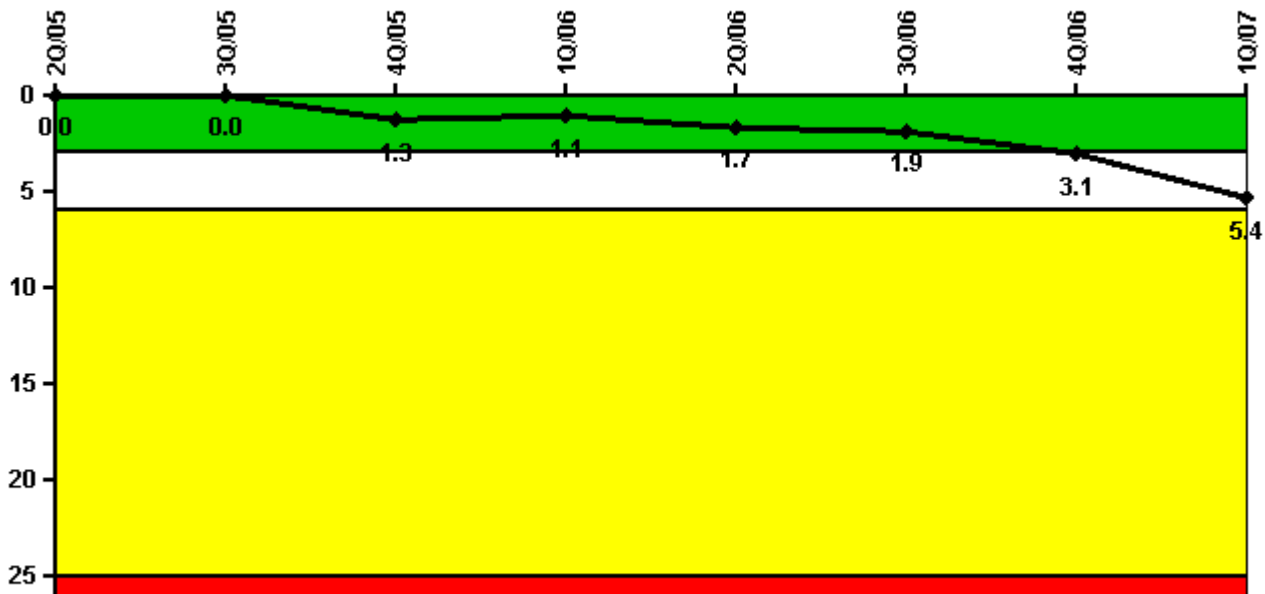


Kewaunee

1Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



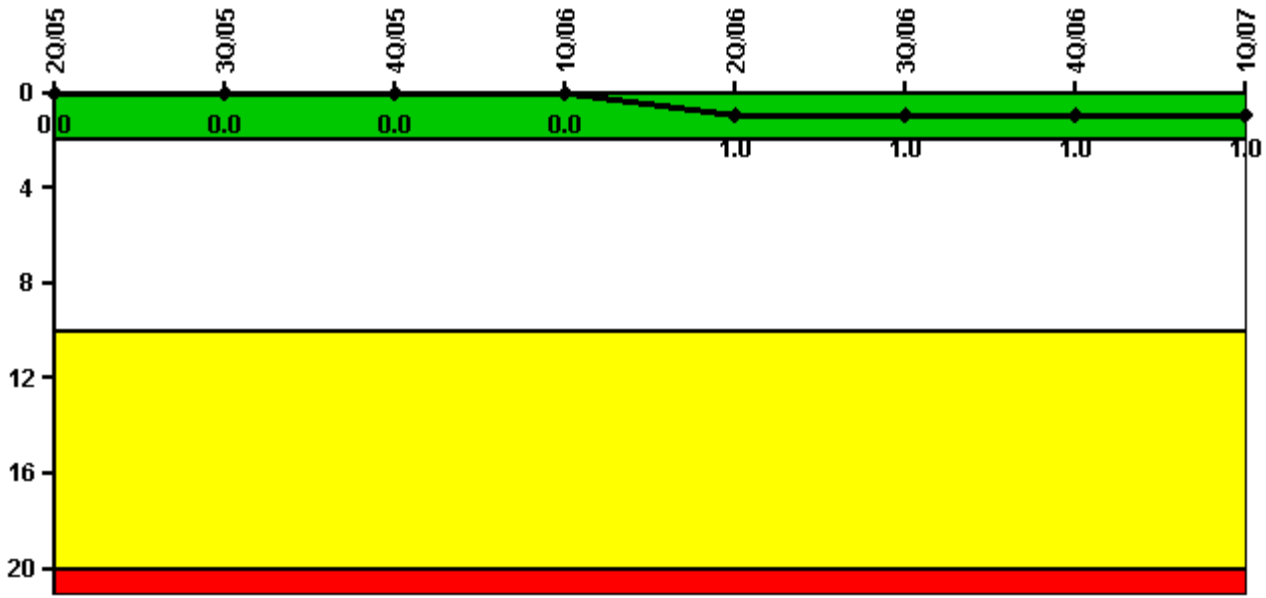
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	1.0	0	1.0	0	2.0	2.0
Critical hours	0	2189.6	2097.8	2160.0	1575.9	1512.7	1505.1	1870.0
Indicator value	0	0	1.3	1.1	1.7	1.9	3.1	5.4

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



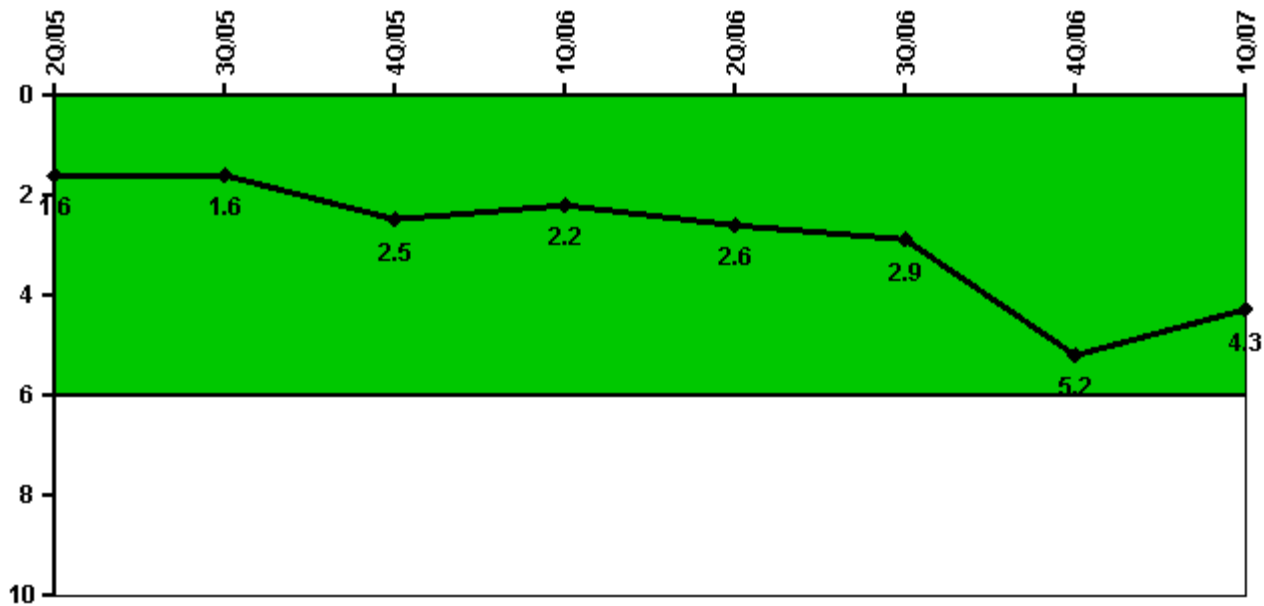
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	0	0	0	0	1.0	0	0	0
Indicator value	0	0	0	0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



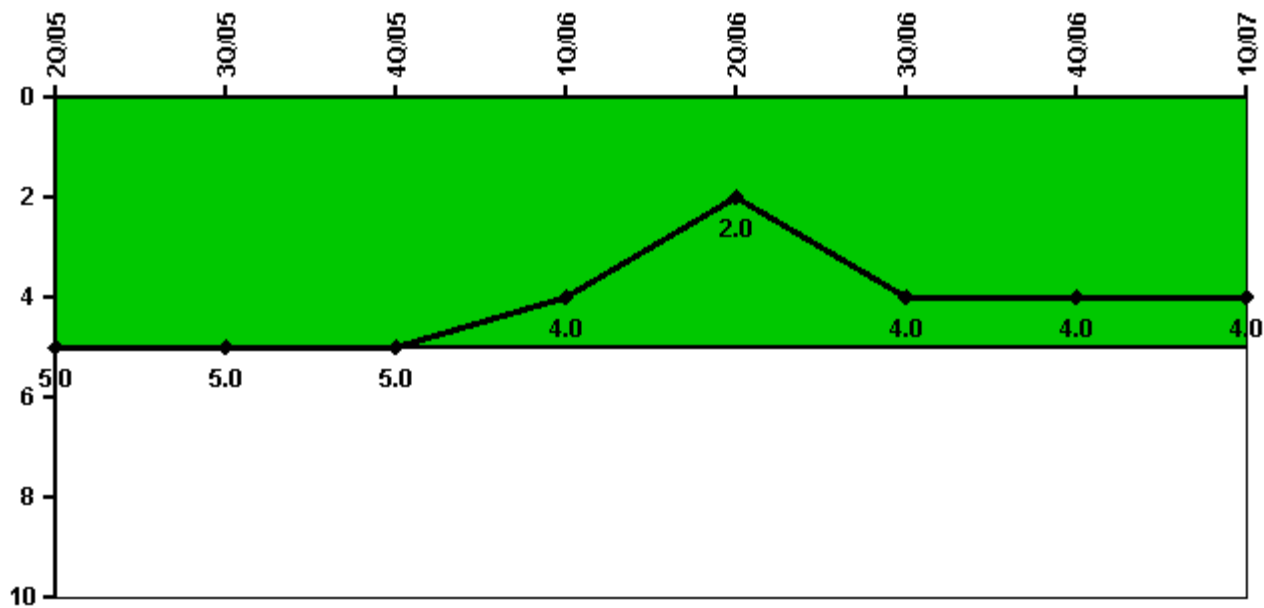
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	1.0	1.0	1.0	0	3.0	0
Critical hours	0	2189.6	2097.8	2160.0	1575.9	1512.7	1505.1	1870.0
Indicator value	1.6	1.6	2.5	2.2	2.6	2.9	5.2	4.3

Licensee Comments: none

Safety System Functional Failures (PWR)



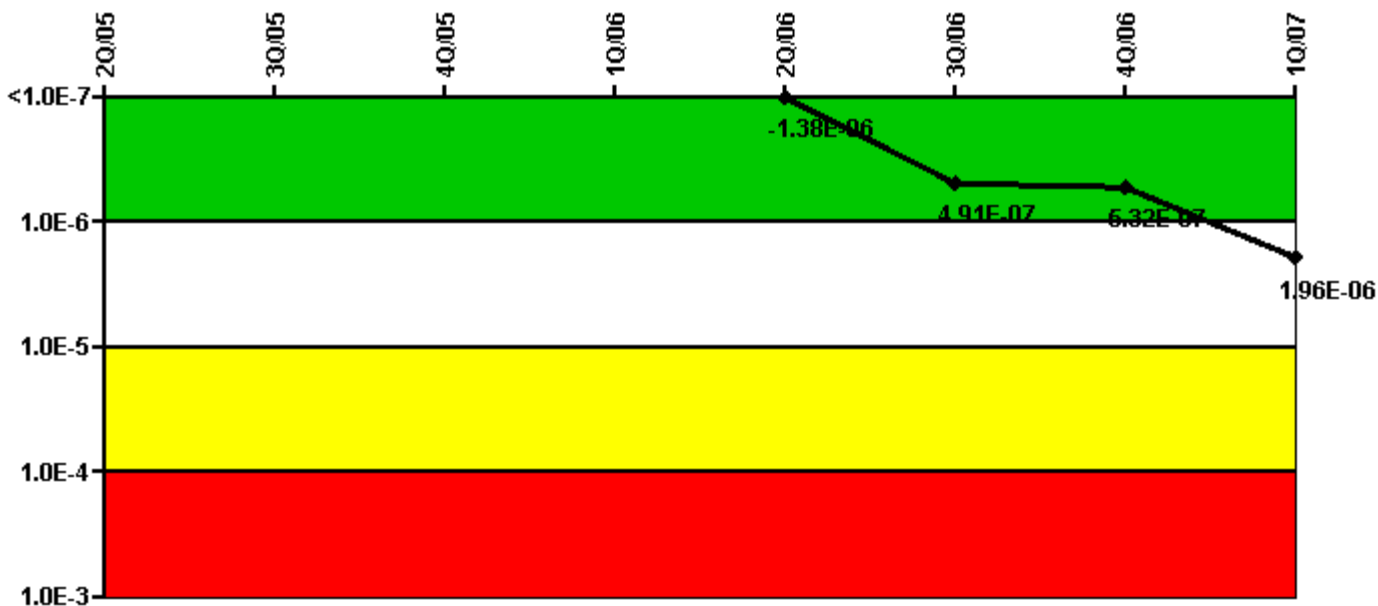
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Safety System Functional Failures	3	0	1	0	1	2	1	0
Indicator value	5	5	5	4	2	4	4	4

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

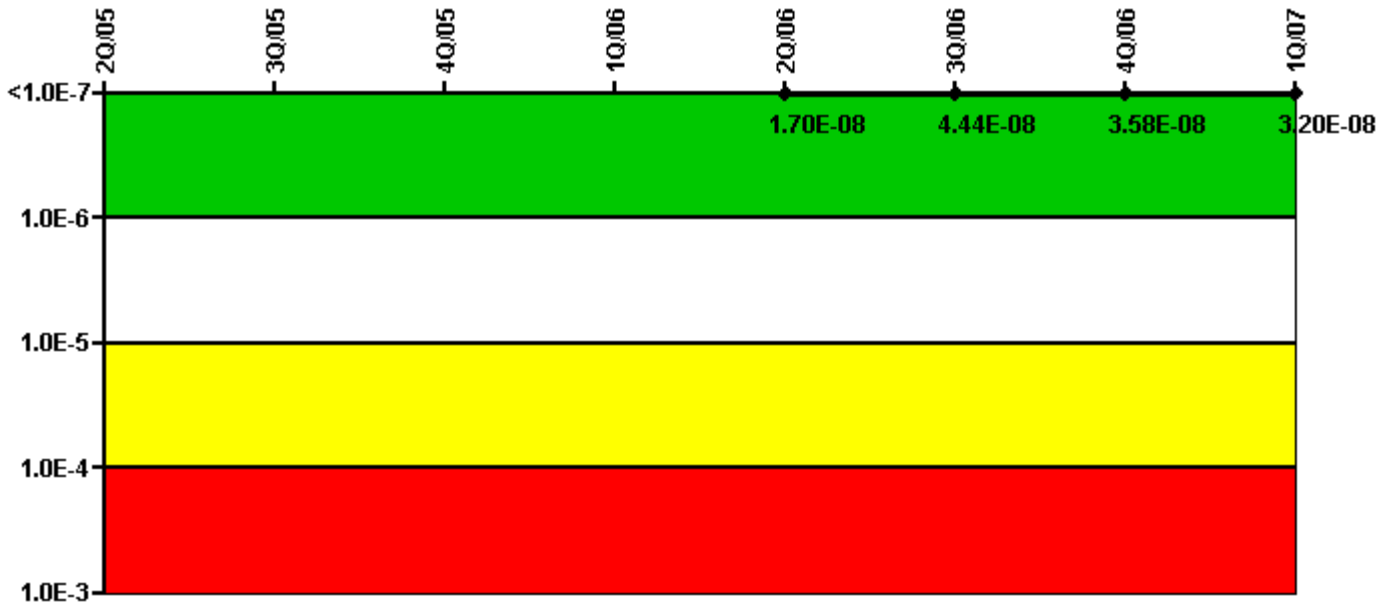
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-8.00E-08	-3.90E-08	-8.00E-09	1.60E-07
URI (ΔCDF)					-1.30E-06	5.30E-07	5.40E-07	1.80E-06
PLE					NO	NO	NO	NO
Indicator value					-1.38E-06	4.91E-07	5.32E-07	1.96E-06

Licensee Comments:

1Q/07: Risk Cap Invoked. Two failures were taken for Emergency AC for MSPi in first quarter 2007. No actual failures occurred. A scenario was identified that could result in loads in excess of manufacturer ratings being taken on by the diesels generators. An evaluation is being performed to determine if diesel generator failure would have been likely under the scenario identified. The evaluation is being performed under CE020142.

Mitigating Systems Performance Index, High Pressure Injection System



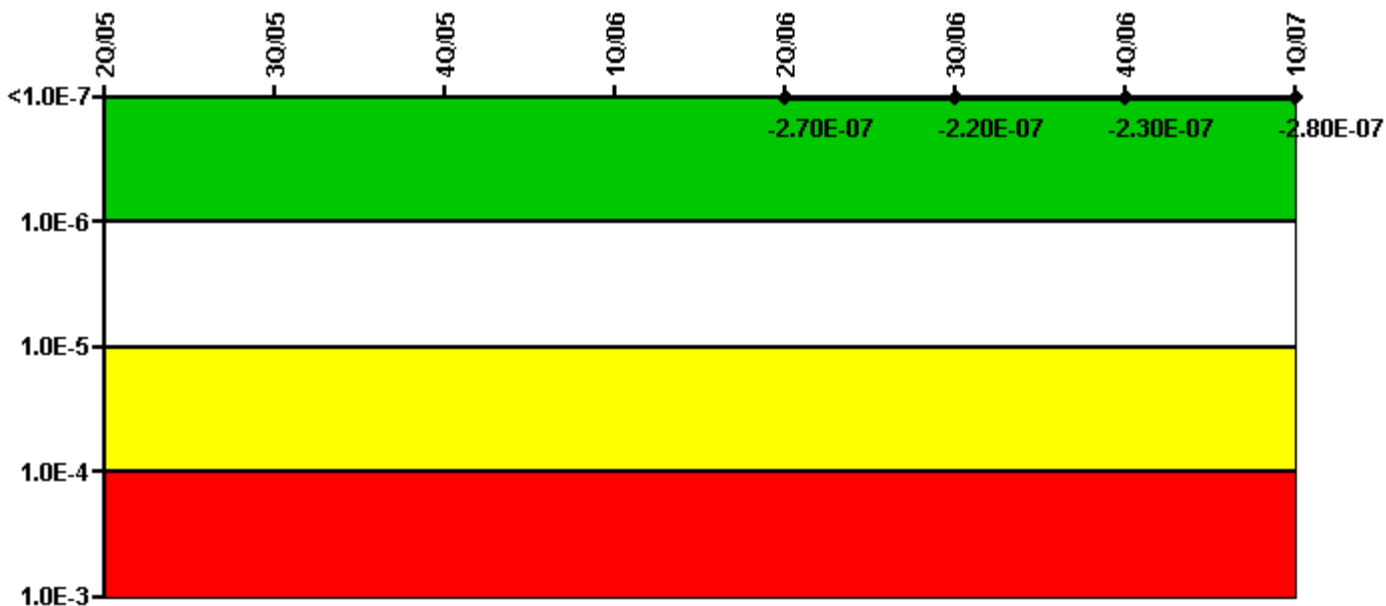
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-5.00E-09	-5.60E-09	-6.20E-09	-1.00E-08
URI (ΔCDF)					2.20E-08	5.00E-08	4.20E-08	4.20E-08
PLE					NO	NO	NO	NO
Indicator value					1.70E-08	4.44E-08	3.58E-08	3.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



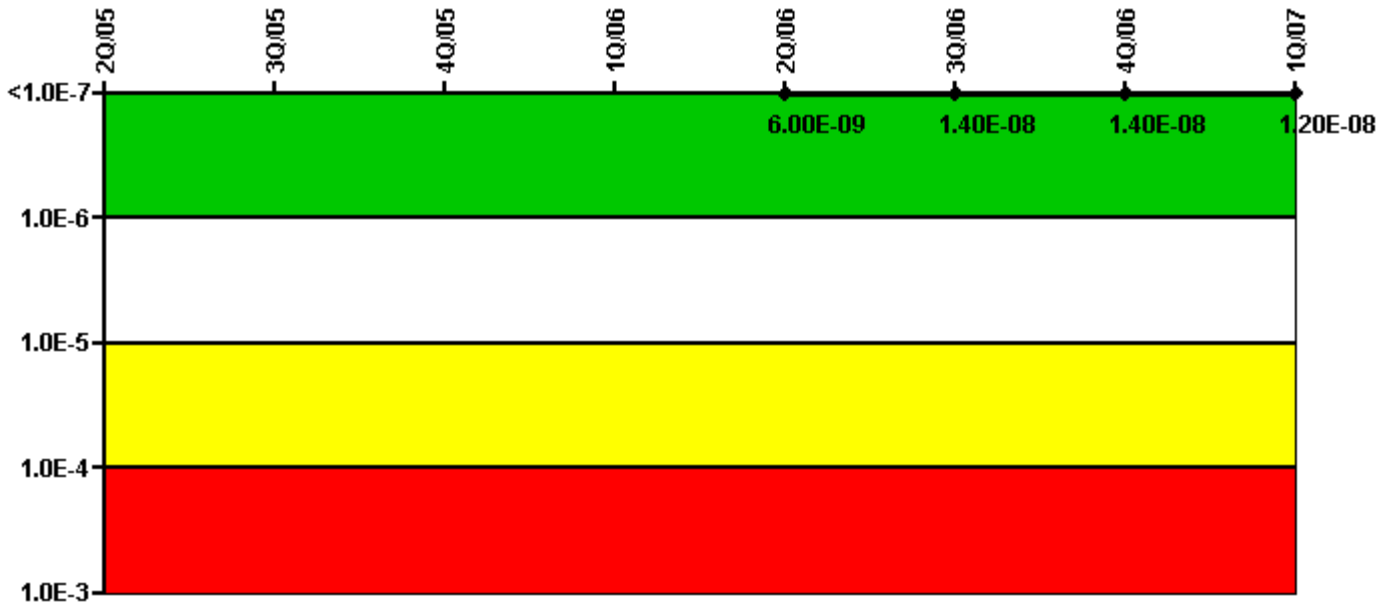
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					2.30E-07	2.10E-07	2.20E-07	2.00E-07
URI (Δ CDF)					-5.00E-07	-4.30E-07	-4.50E-07	-4.80E-07
PLE					NO	NO	NO	NO
Indicator value					-2.70E-07	-2.20E-07	-2.30E-07	-2.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



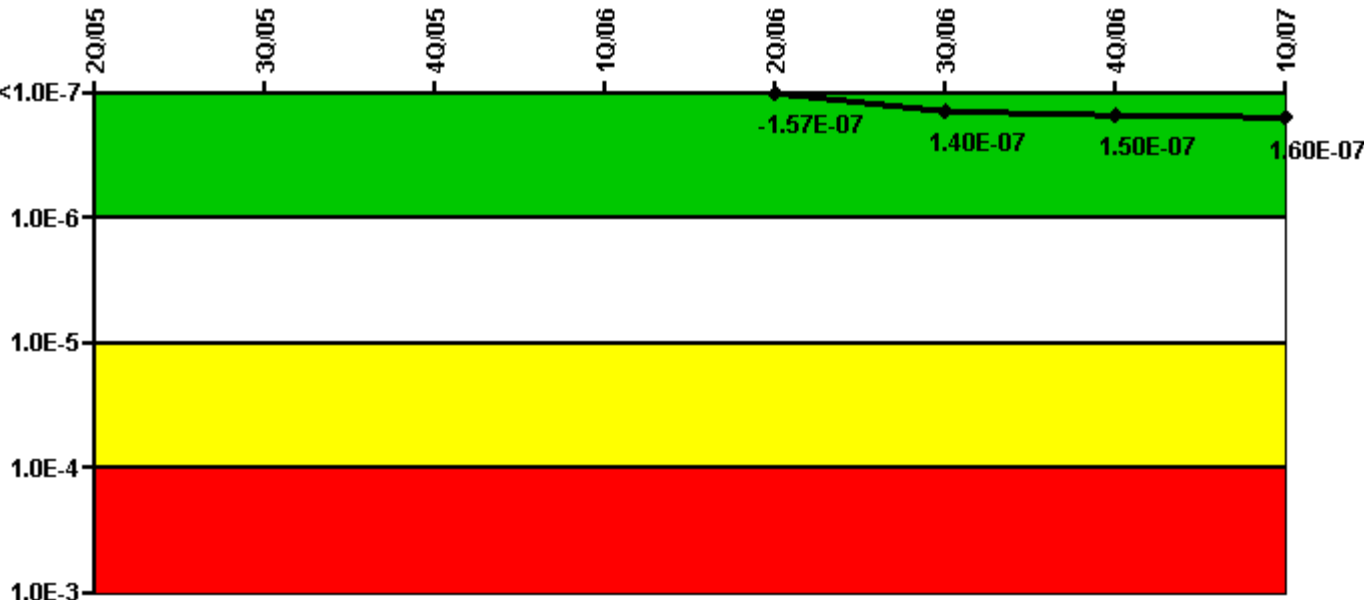
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					2.90E-08	5.90E-08	6.40E-08	6.10E-08
URI (ΔCDF)					-2.30E-08	-4.50E-08	-5.00E-08	-4.90E-08
PLE					NO	NO	NO	NO
Indicator value					6.00E-09	1.40E-08	1.40E-08	1.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



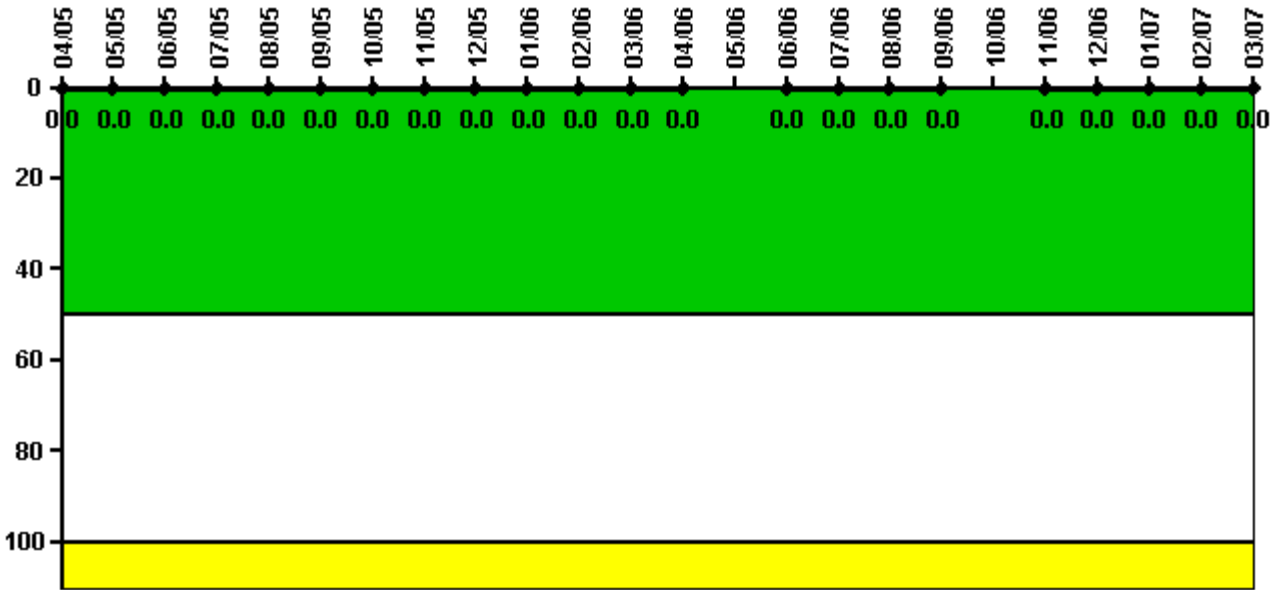
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-7.70E-08	-1.40E-07	-1.40E-07	-1.40E-07
URI (ΔCDF)					-8.00E-08	2.80E-07	2.90E-07	3.00E-07
PLE					NO	NO	NO	NO
Indicator value					-1.57E-07	1.40E-07	1.50E-07	1.60E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

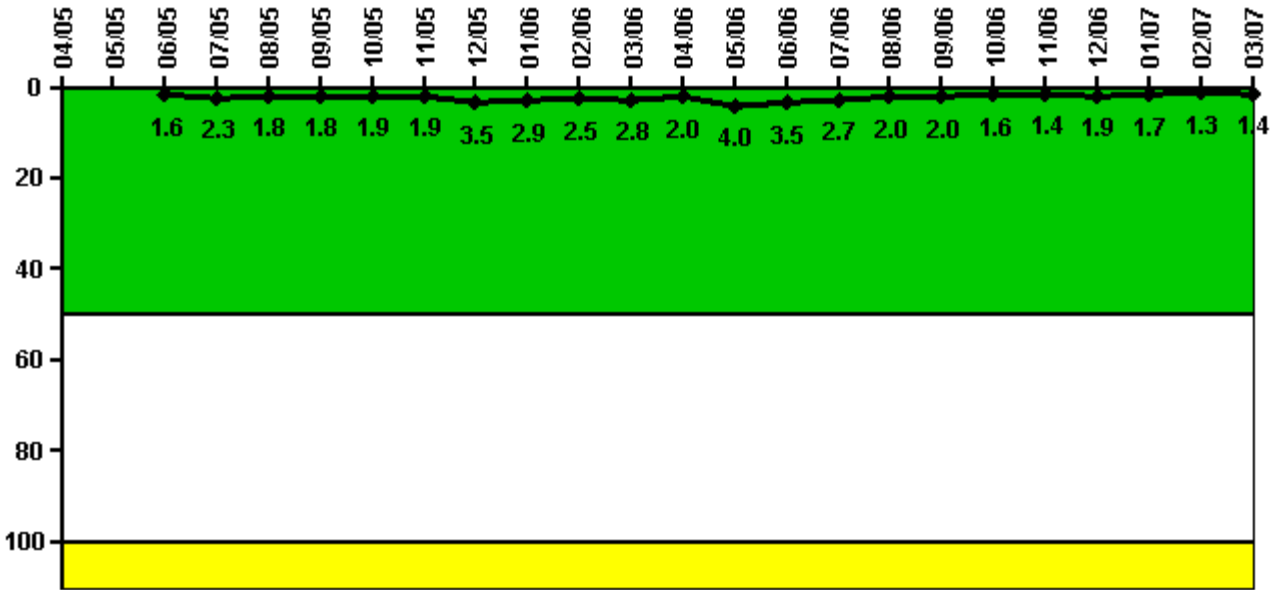
Notes

Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0	0	0	0.000094	0.000099	0.000100	0.000106	0.000091	0.000106	0.000117	0.000101	0.000118
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	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.000116	N/A	0.000127	0.000125	0.000197	0.000139	N/A	0.000076	0.000103	0.000078	0.000082	0.000085
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	N/A	0	0	0	0	N/A	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



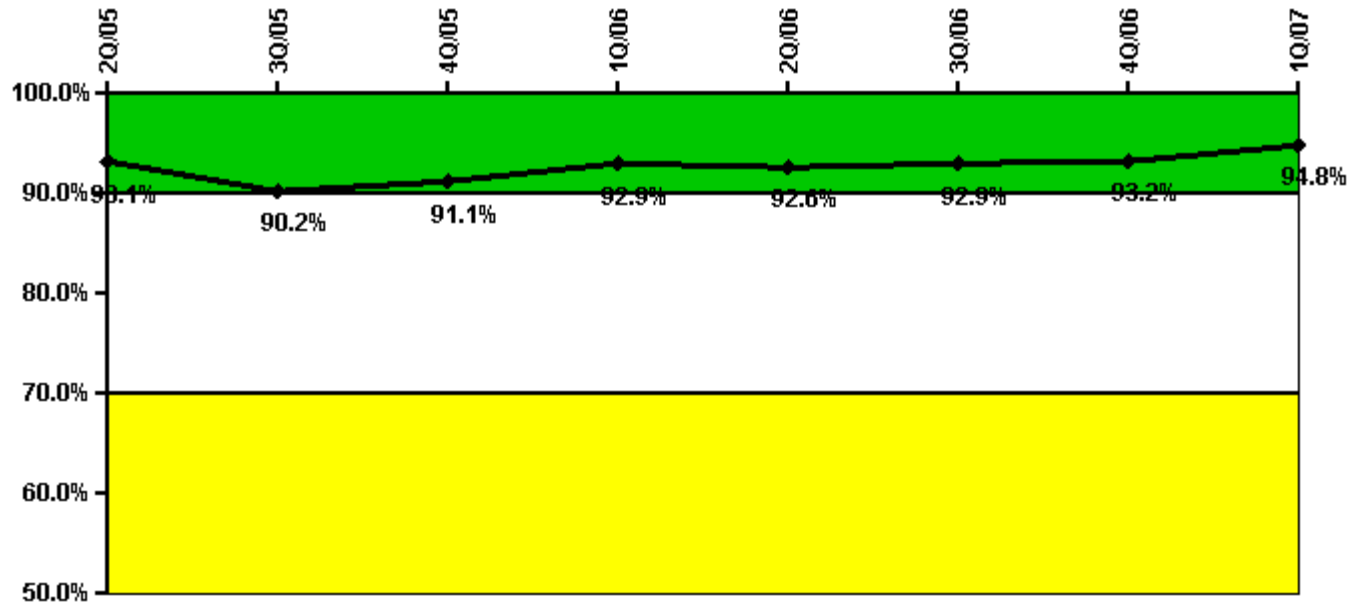
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	N/A	N/A	0.156	0.227	0.181	0.175	0.188	0.192	0.347	0.285	0.247	0.279
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	N/A	1.6	2.3	1.8	1.8	1.9	1.9	3.5	2.9	2.5	2.8
Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.197	0.404	0.345	0.268	0.200	0.200	0.157	0.137	0.191	0.171	0.125	0.137
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	2.0	4.0	3.5	2.7	2.0	2.0	1.6	1.4	1.9	1.7	1.3	1.4

Licensee Comments: none

Drill/Exercise Performance



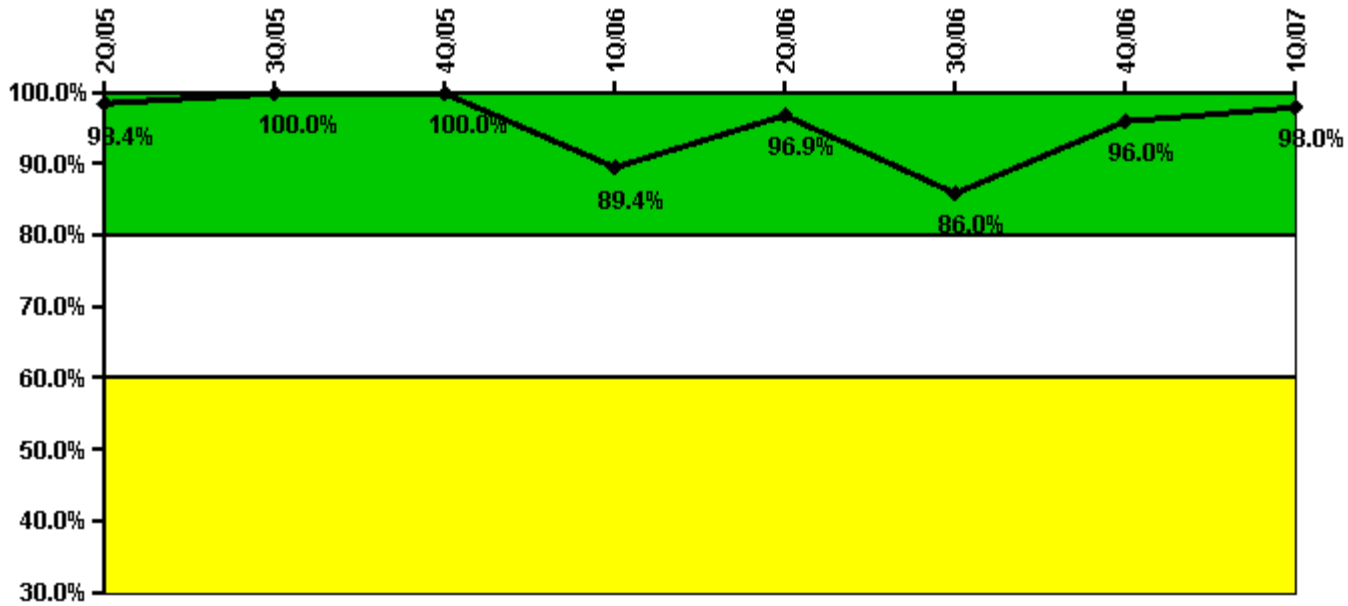
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	30.0	11.0	49.0	31.0	23.0	6.0	23.0	117.0
Total opportunities	32.0	16.0	52.0	31.0	27.0	6.0	24.0	118.0
Indicator value	93.1%	90.2%	91.1%	92.9%	92.6%	92.9%	93.2%	94.8%

Licensee Comments: none

ERO Drill Participation



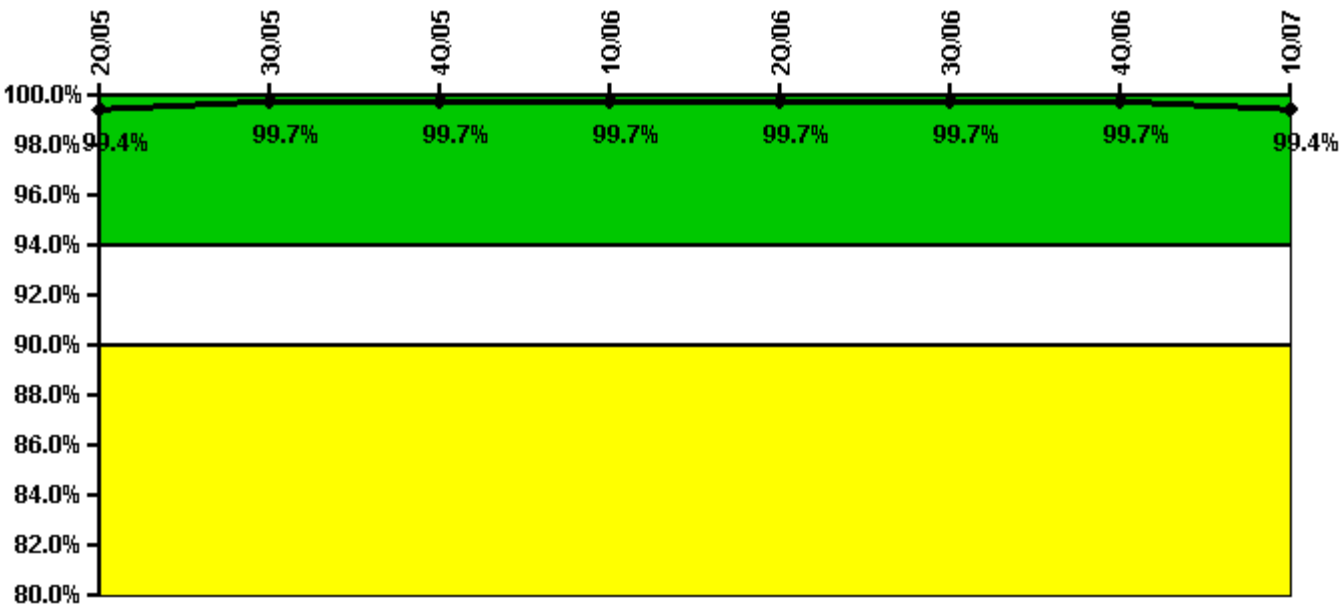
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	62.0	64.0	61.0	59.0	62.0	43.0	48.0	50.0
Total Key personnel	63.0	64.0	61.0	66.0	64.0	50.0	50.0	51.0
Indicator value	98.4%	100.0%	100.0%	89.4%	96.9%	86.0%	96.0%	98.0%

Licensee Comments: none

Alert & Notification System



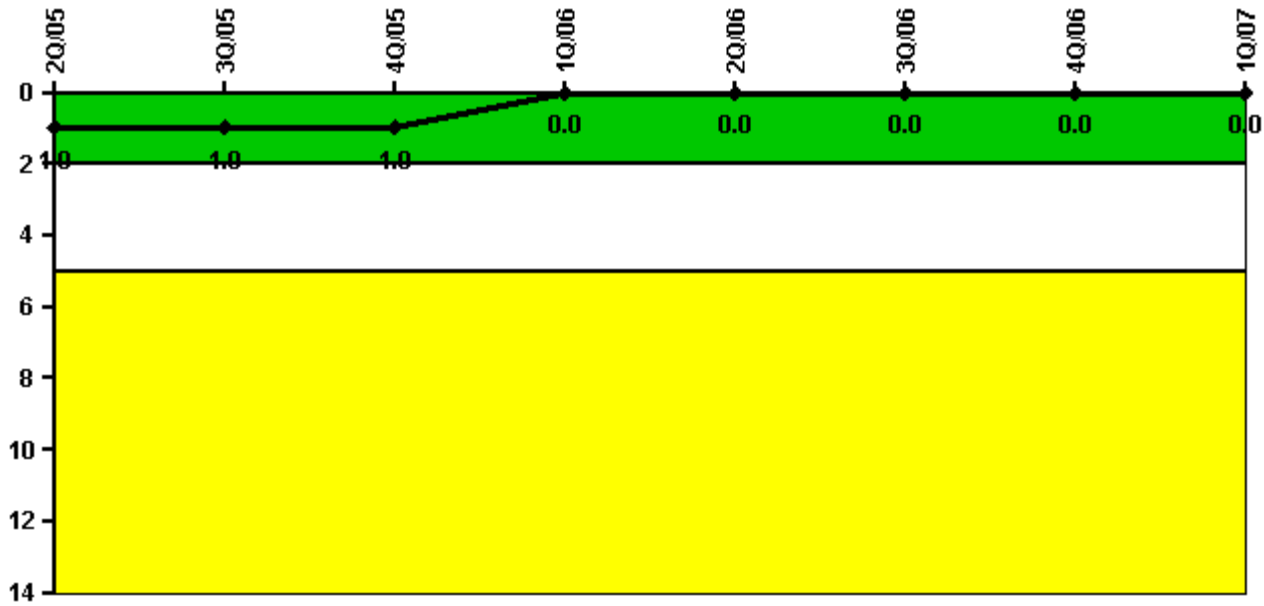
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	78	77	78	77	78	78	78	76
Total sirens-tests	78	77	78	78	78	78	78	78
Indicator value	99.4%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



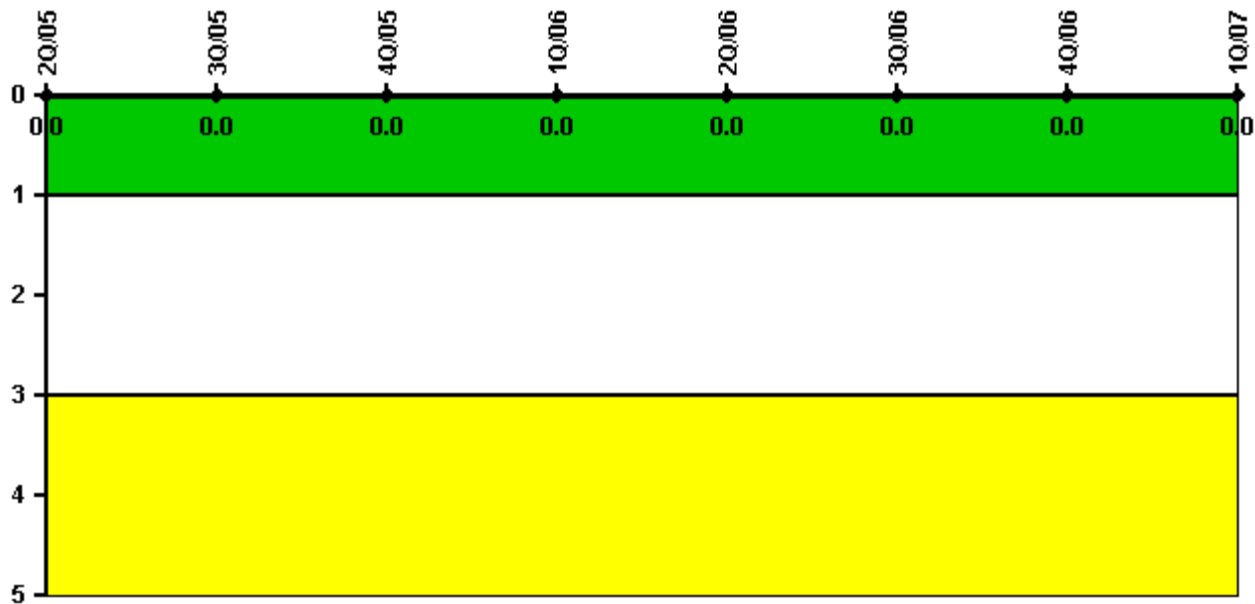
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
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	1	1	1	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/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: June 1, 2007