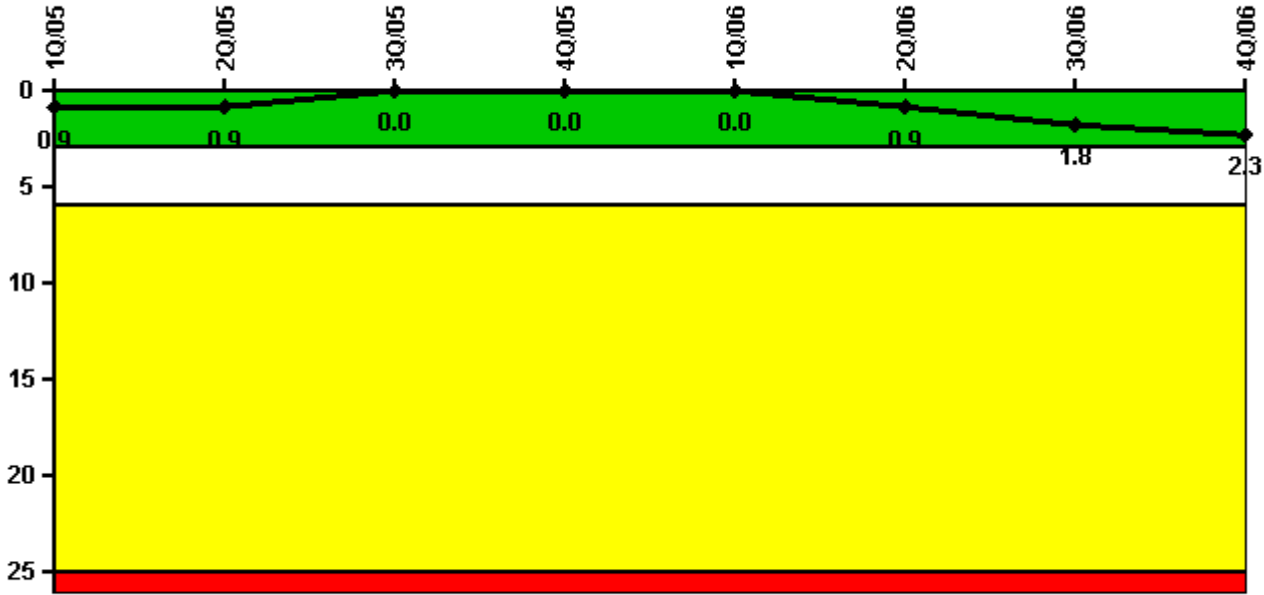


Watts Bar 1

4Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



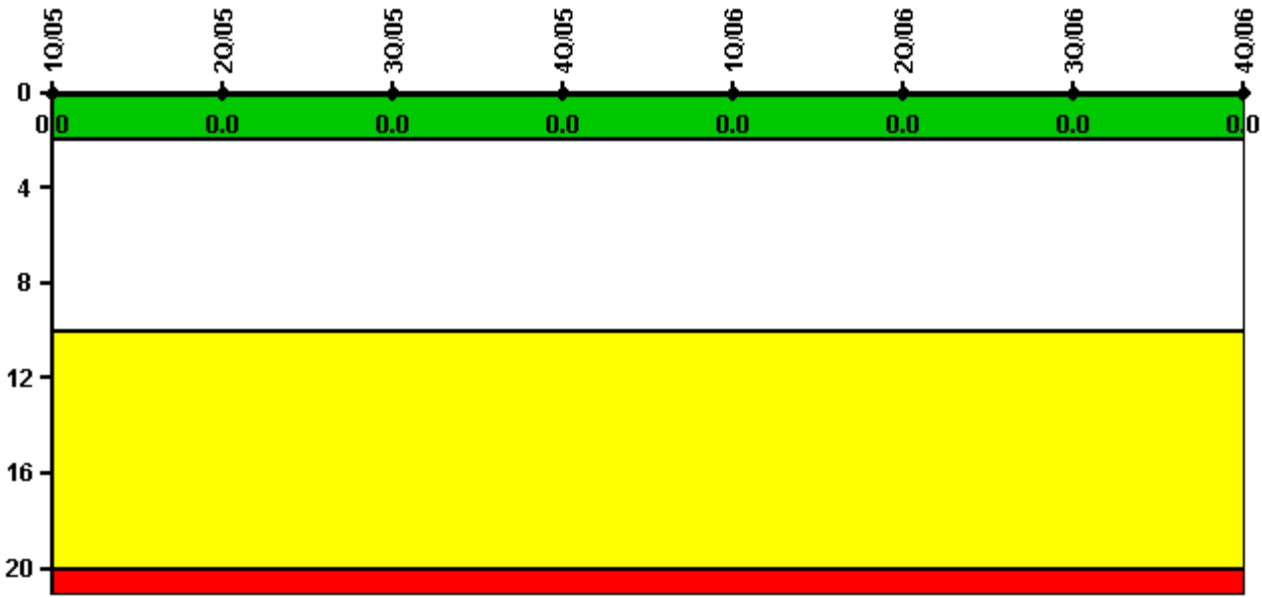
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	0	0	1.0	1.0	0
Critical hours	1281.9	2183.0	2208.0	2209.0	2160.0	1592.1	1639.2	757.3
Indicator value	0.9	0.9	0	0	0	0.9	1.8	2.3

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



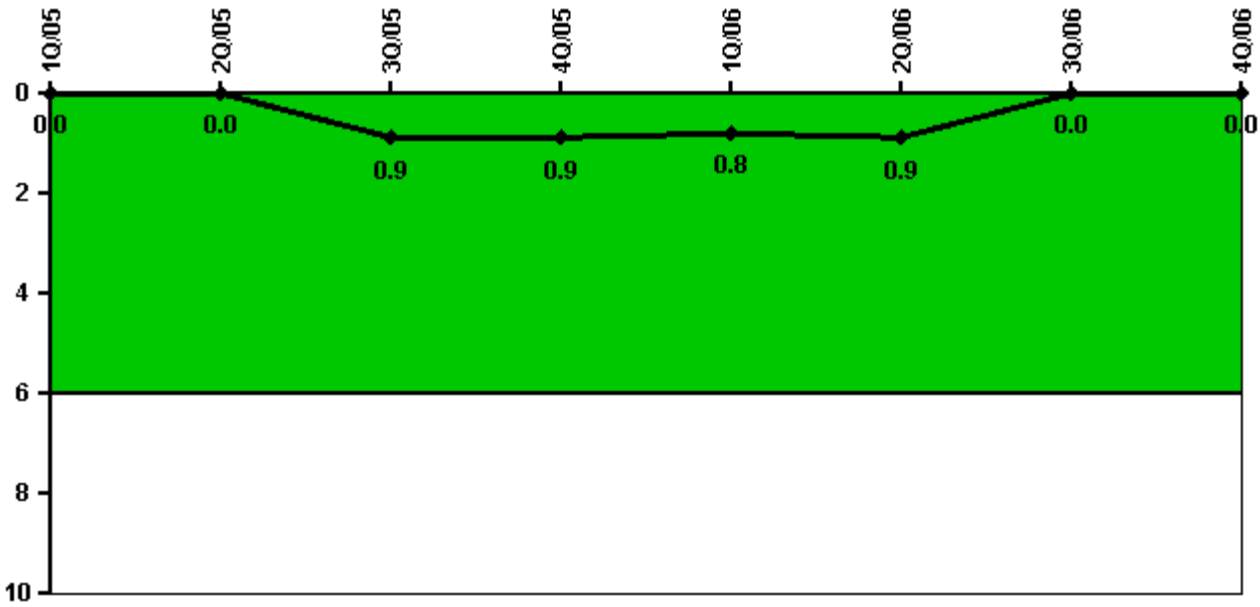
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



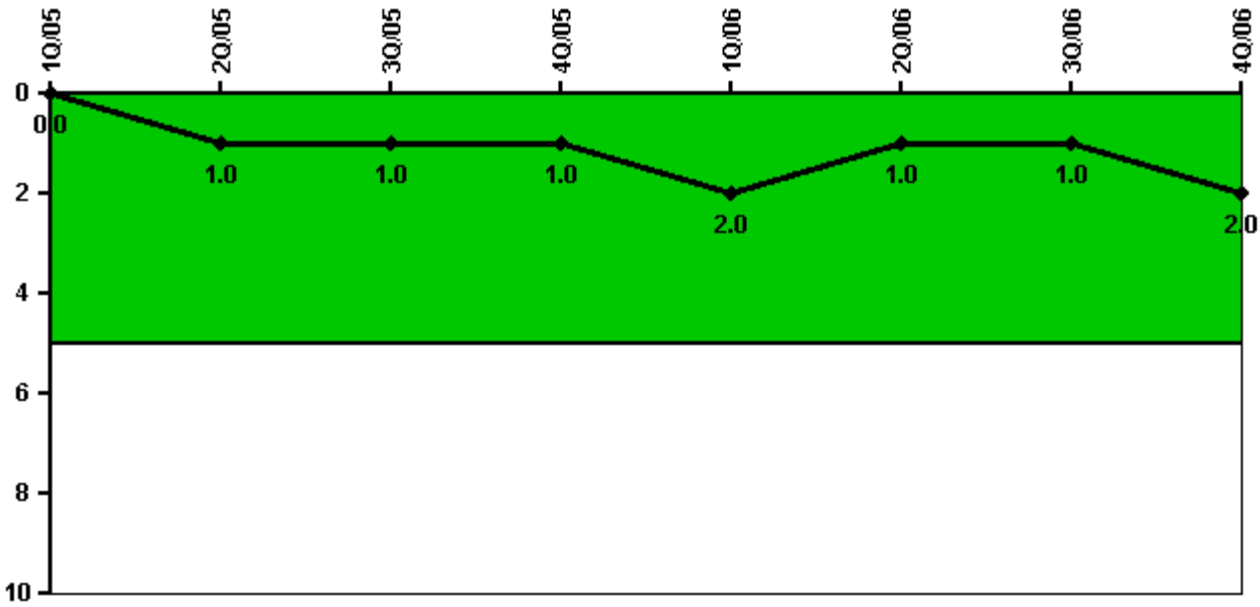
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1281.9	2183.0	2208.0	2209.0	2160.0	1592.1	1639.2	757.3
Indicator value	0	0	0.9	0.9	0.8	0.9	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

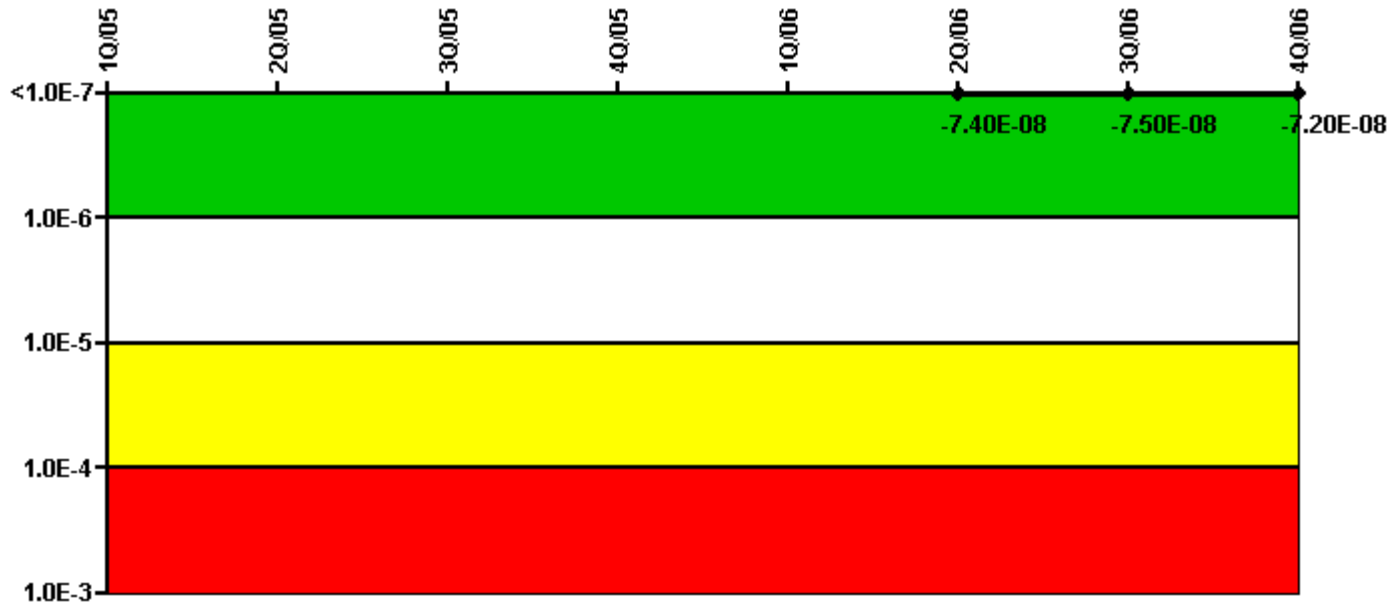
Notes

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

Licensee Comments:

4Q/06: LER 390/2006-009 issued on 12/19/2006 involved a safety system functional failure.

Mitigating Systems Performance Index, Emergency AC Power System



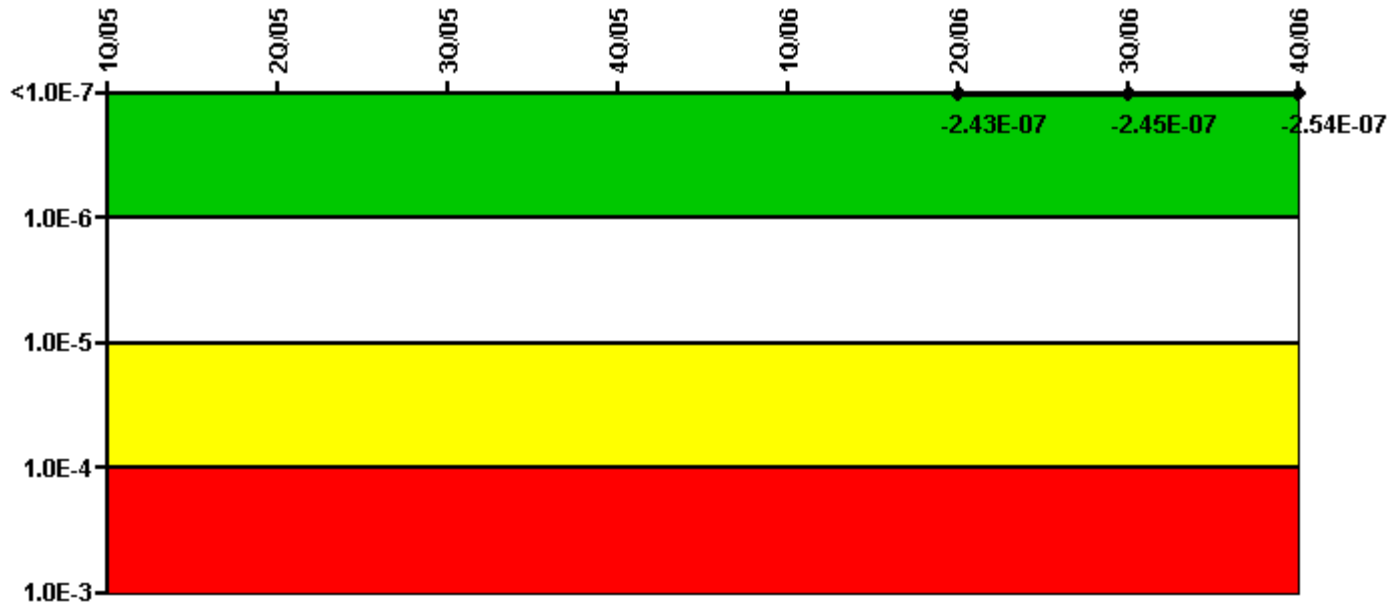
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						1.90E-08	1.80E-08	2.10E-08
URI (Δ CDF)						-9.30E-08	-9.30E-08	-9.30E-08
PLE						NO	NO	NO
Indicator value						-7.40E-08	-7.50E-08	-7.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



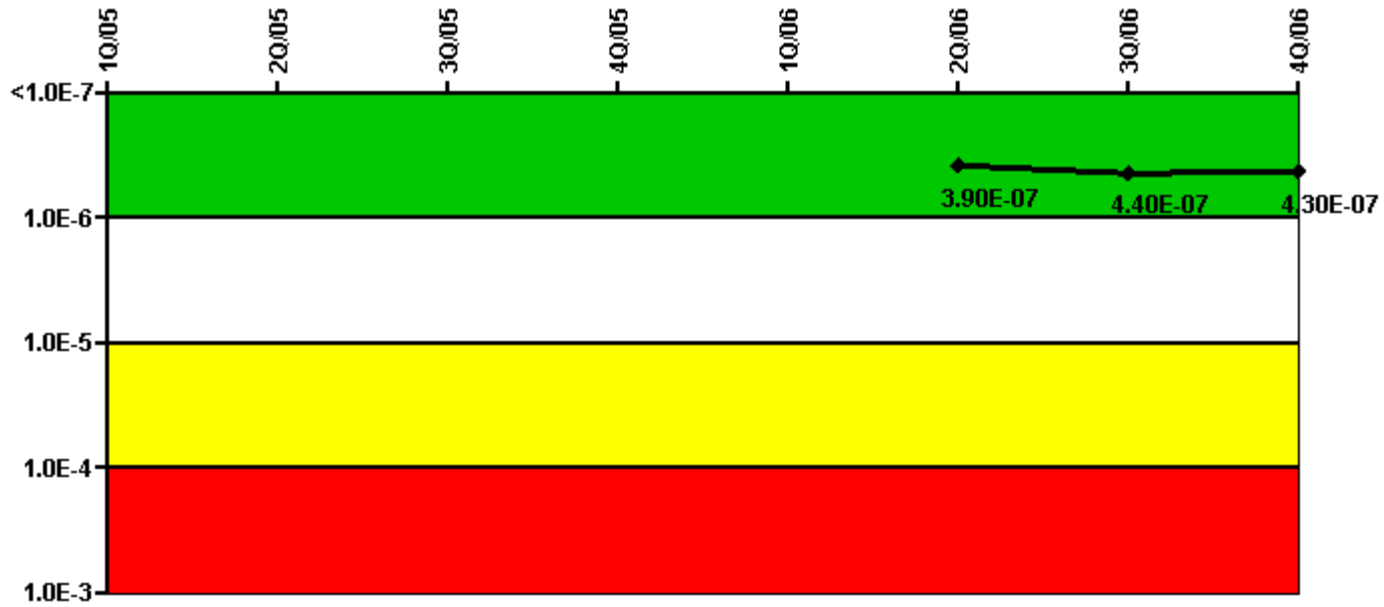
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						7.20E-09	4.80E-09	-4.10E-09
URI (Δ CDF)						-2.50E-07	-2.50E-07	-2.50E-07
PLE						NO	NO	NO
Indicator value						-2.43E-07	-2.45E-07	-2.54E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



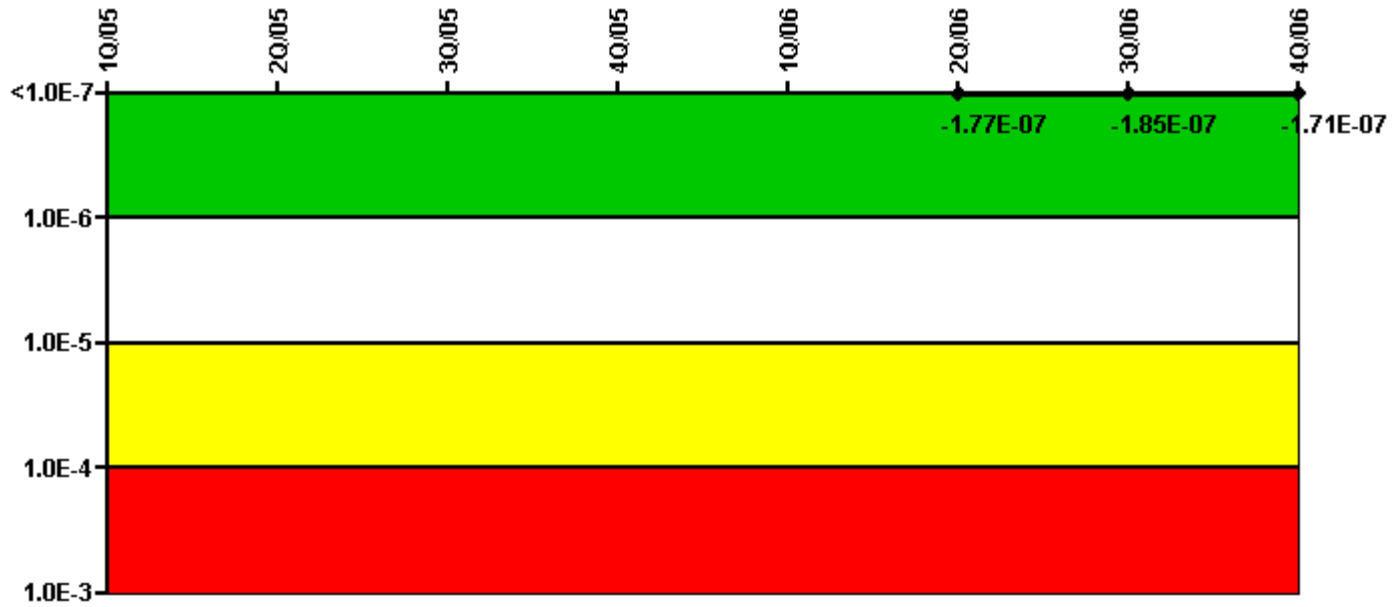
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						2.10E-07	2.60E-07	2.50E-07
URI (ΔCDF)						1.80E-07	1.80E-07	1.80E-07
PLE						NO	NO	NO
Indicator value						3.90E-07	4.40E-07	4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



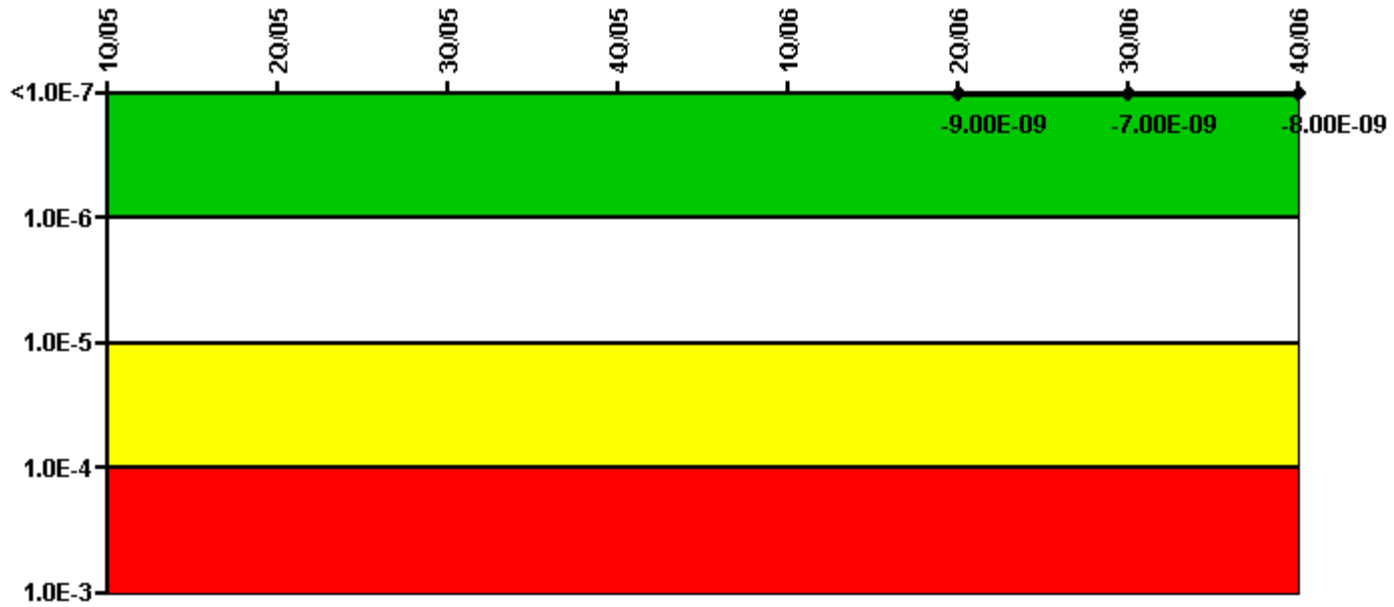
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						7.30E-08	6.50E-08	7.90E-08
URI (Δ CDF)						-2.50E-07	-2.50E-07	-2.50E-07
PLE						NO	NO	NO
Indicator value						-1.77E-07	-1.85E-07	-1.71E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



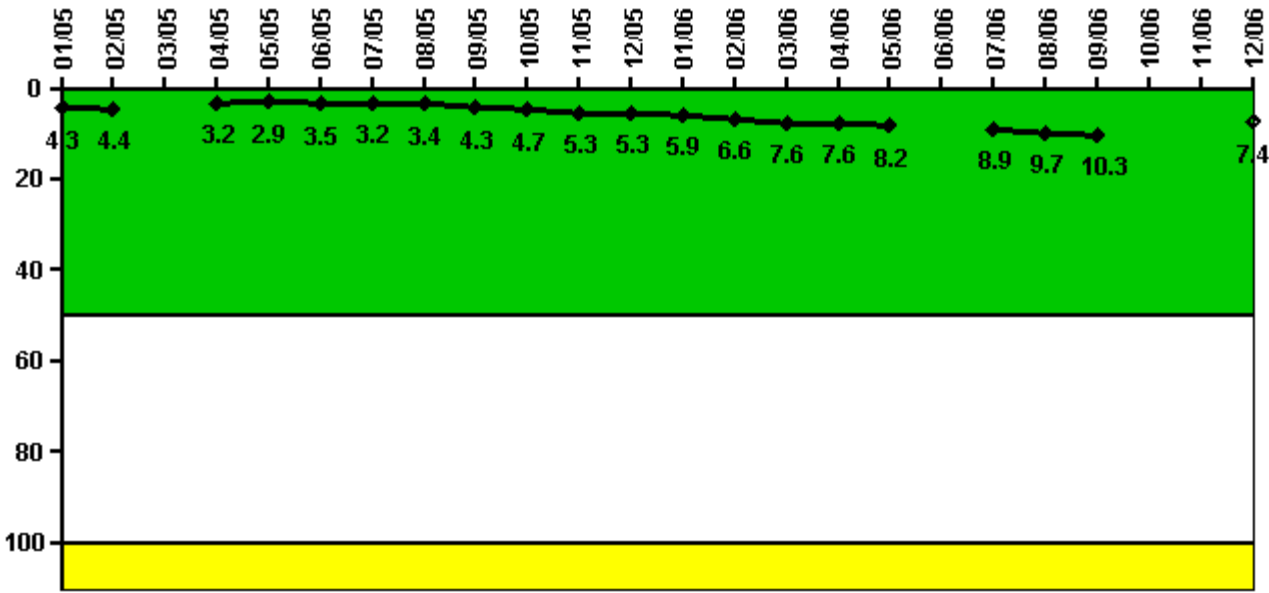
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						2.20E-08	2.40E-08	2.30E-08
URI (ΔCDF)						-3.10E-08	-3.10E-08	-3.10E-08
PLE						NO	NO	NO
Indicator value						-9.00E-09	-7.00E-09	-8.00E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

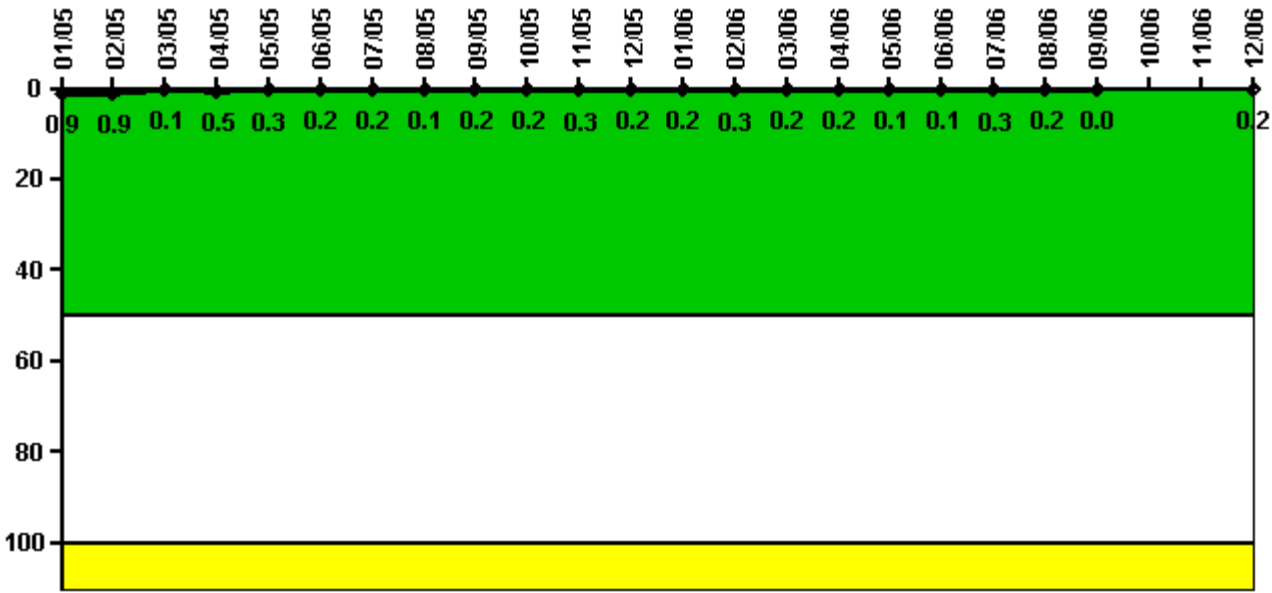
Notes

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.011510	0.011750	N/A	0.008404	0.007575	0.009344	0.008591	0.008921	0.011280	0.012540	0.013960	0.014030
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	4.3	4.4	N/A	3.2	2.9	3.5	3.2	3.4	4.3	4.7	5.3	5.3

Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.015620	0.017400	0.020090	0.020250	0.021810	N/A	0.023580	0.025830	0.027340	N/A	N/A	0.019700
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	5.9	6.6	7.6	7.6	8.2	N/A	8.9	9.7	10.3	N/A	N/A	7.4

Licensee Comments: none

Reactor Coolant System Leakage



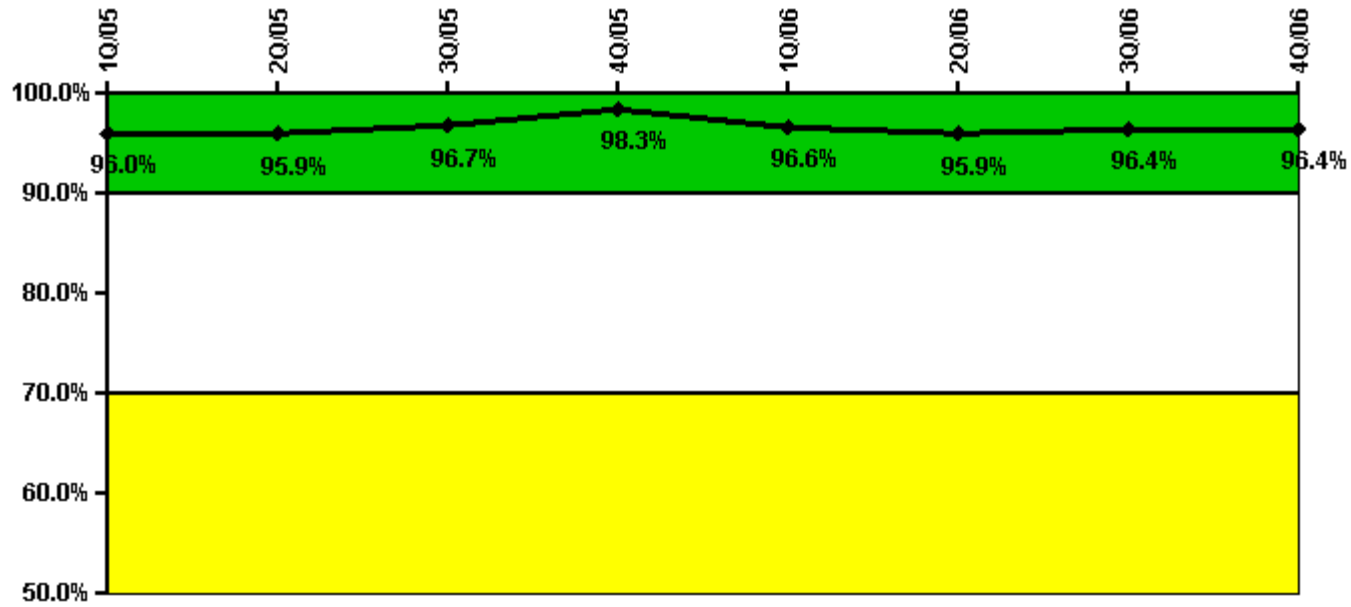
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.090	0.090	0.010	0.050	0.030	0.020	0.020	0.010	0.020	0.020	0.030	0.020
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	0.9	0.9	0.1	0.5	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.2
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.020	0.030	0.020	0.020	0.010	0.010	0.030	0.020	0	N/A	N/A	0.020
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	0.2	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0	N/A	N/A	0.2

Licensee Comments: none

Drill/Exercise Performance



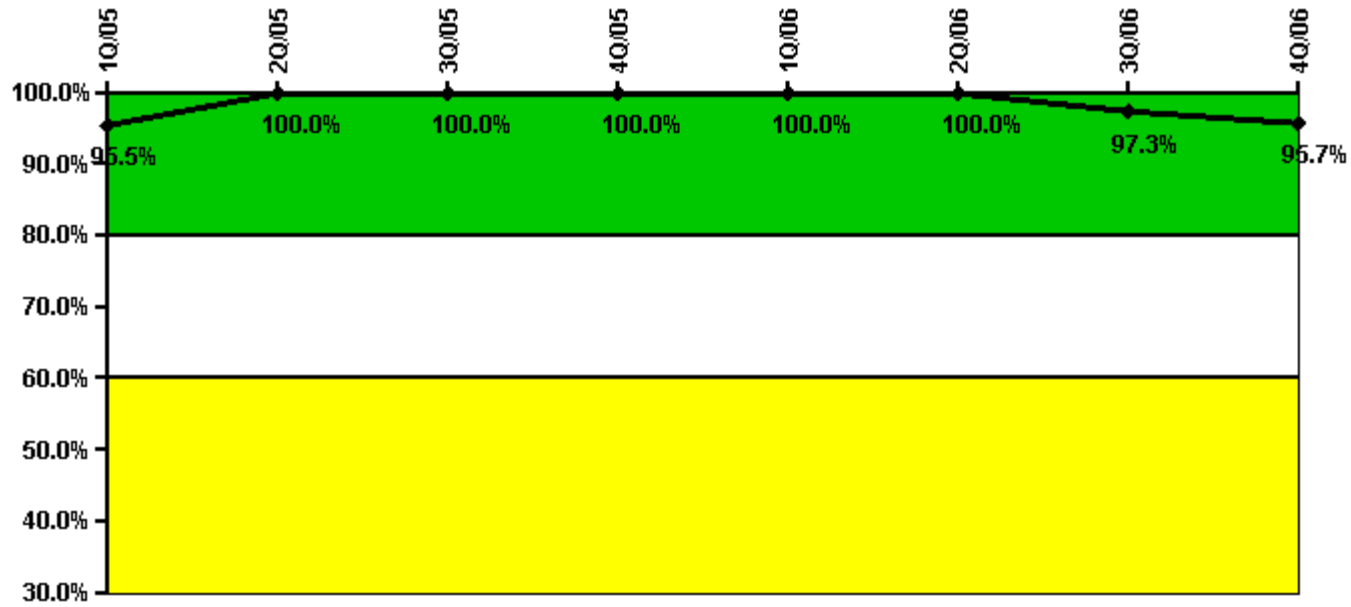
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	16.0	4.0	32.0	26.0	27.0	16.0	37.0	2.0
Total opportunities	16.0	4.0	32.0	26.0	30.0	18.0	38.0	2.0
Indicator value	96.0%	95.9%	96.7%	98.3%	96.6%	95.9%	96.4%	96.4%

Licensee Comments: none

ERO Drill Participation



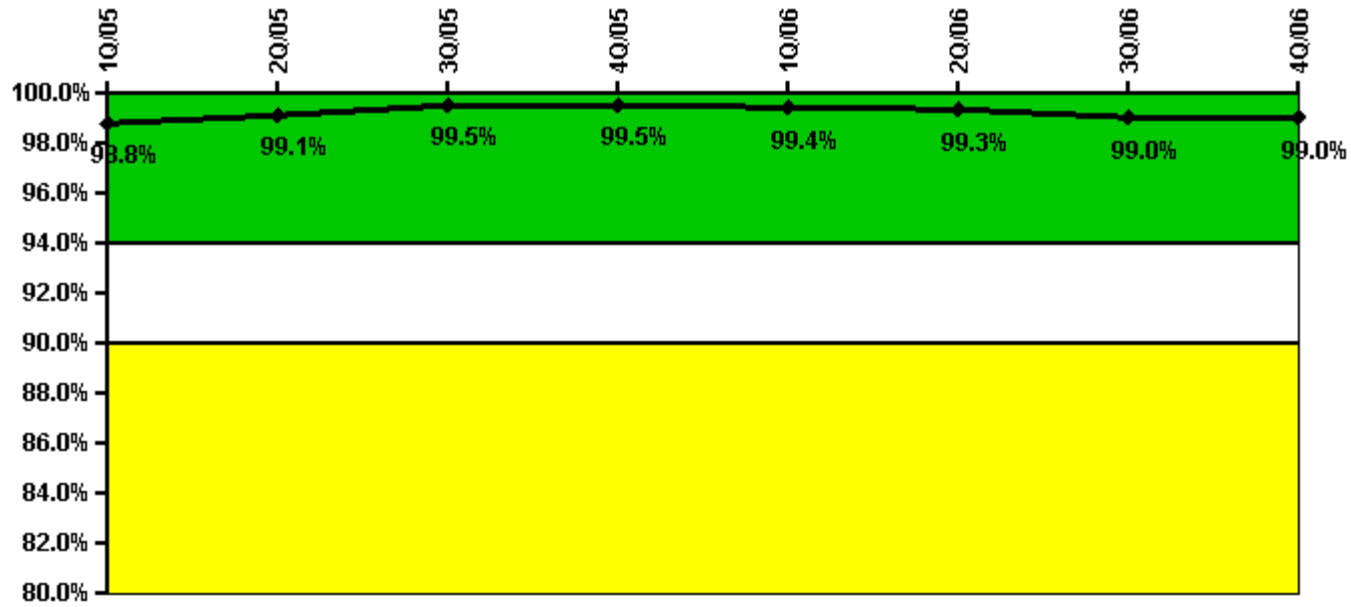
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	63.0	69.0	72.0	70.0	73.0	79.0	71.0	67.0
Total Key personnel	66.0	69.0	72.0	70.0	73.0	79.0	73.0	70.0
Indicator value	95.5%	100.0%	100.0%	100.0%	100.0%	100.0%	97.3%	95.7%

Licensee Comments: none

Alert & Notification System



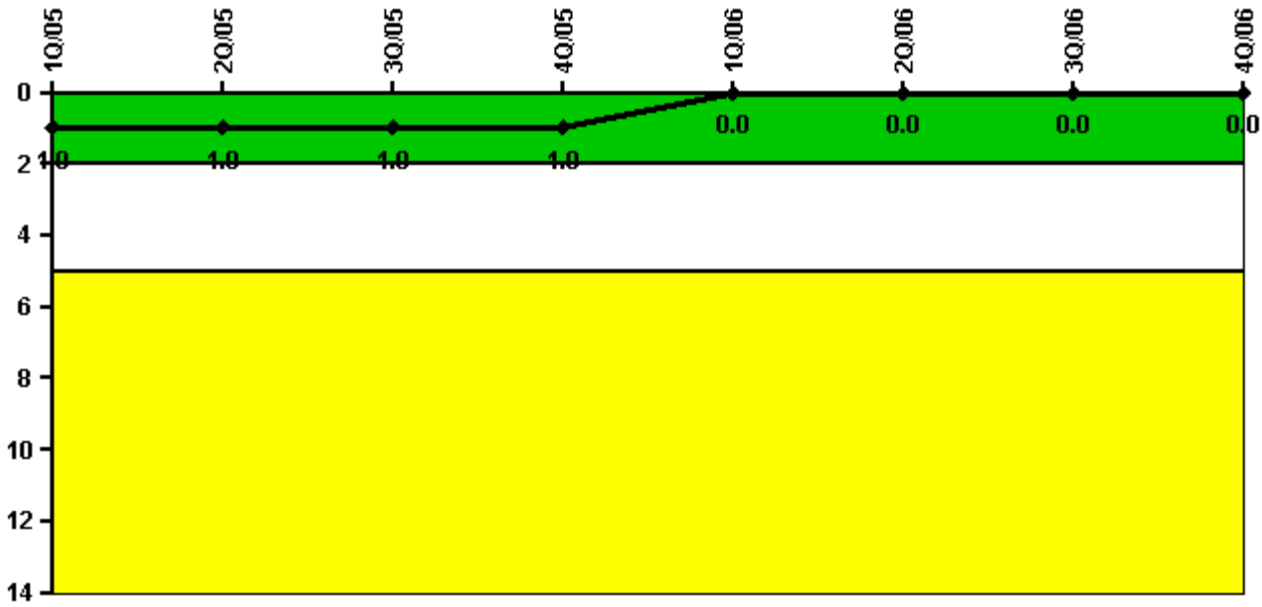
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	690	988	787	787	685	788	778	788
Total sirens-tests	693	990	792	792	693	792	792	792
Indicator value	98.8%	99.1%	99.5%	99.5%	99.4%	99.3%	99.0%	99.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



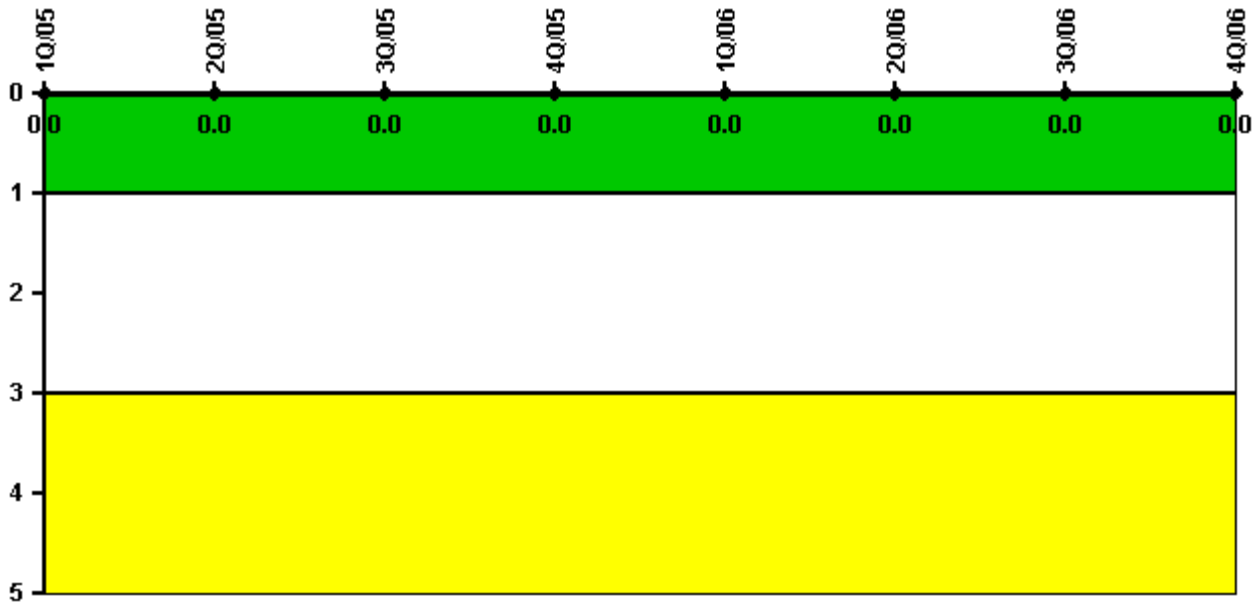
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
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	1	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
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.