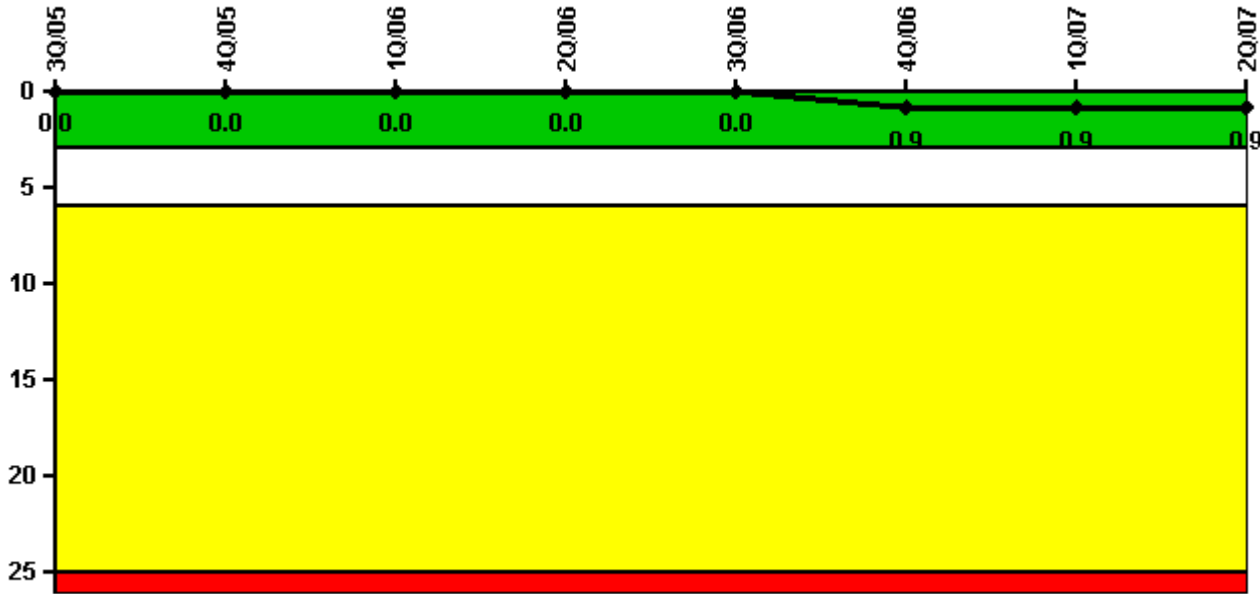


Surry 2

2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



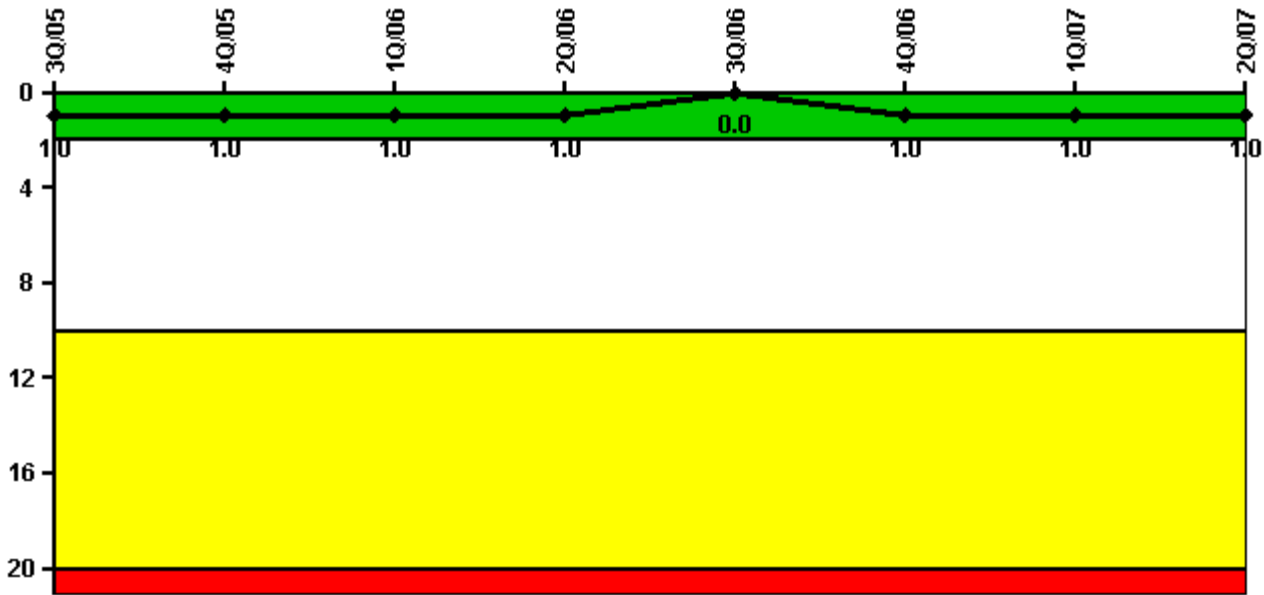
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	1170.7	2159.0	2184.0
Indicator value	0	0	0	0	0	0.9	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

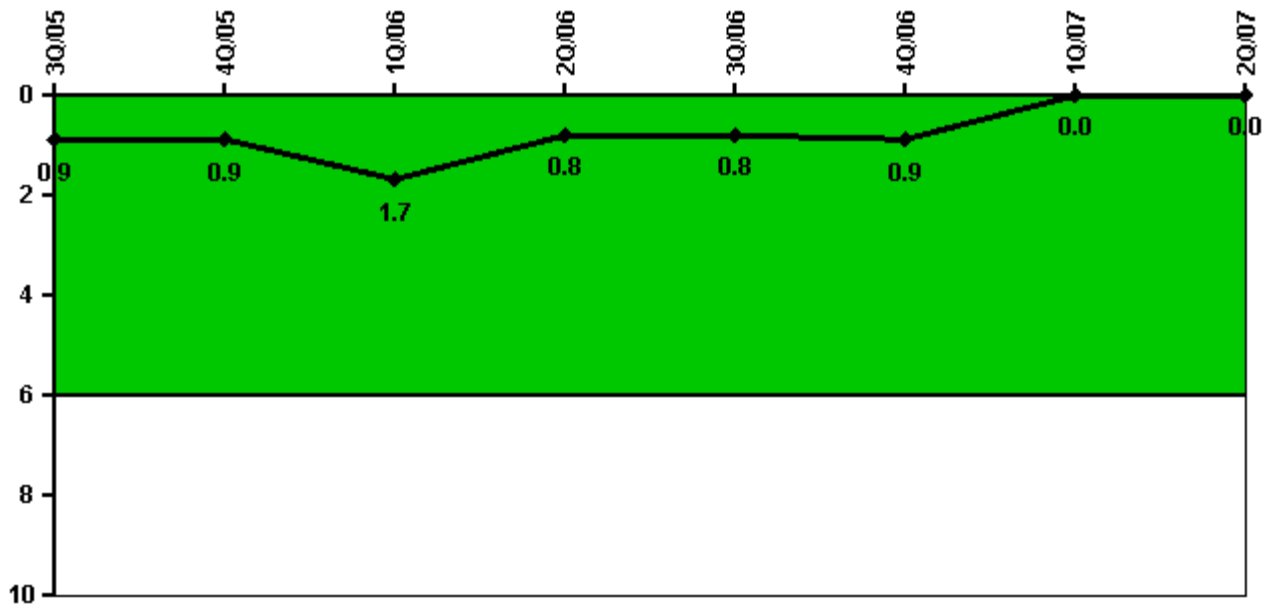
Notes

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

Licensee Comments:

2Q/07: Recent discussions with the NRC determined the October 2006 Unit 2 scram should have been designated with loss of normal heat removal. October data was corrected with no change in color.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	1170.7	2159.0	2184.0
Indicator value	0.9	0.9	1.7	0.8	0.8	0.9	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



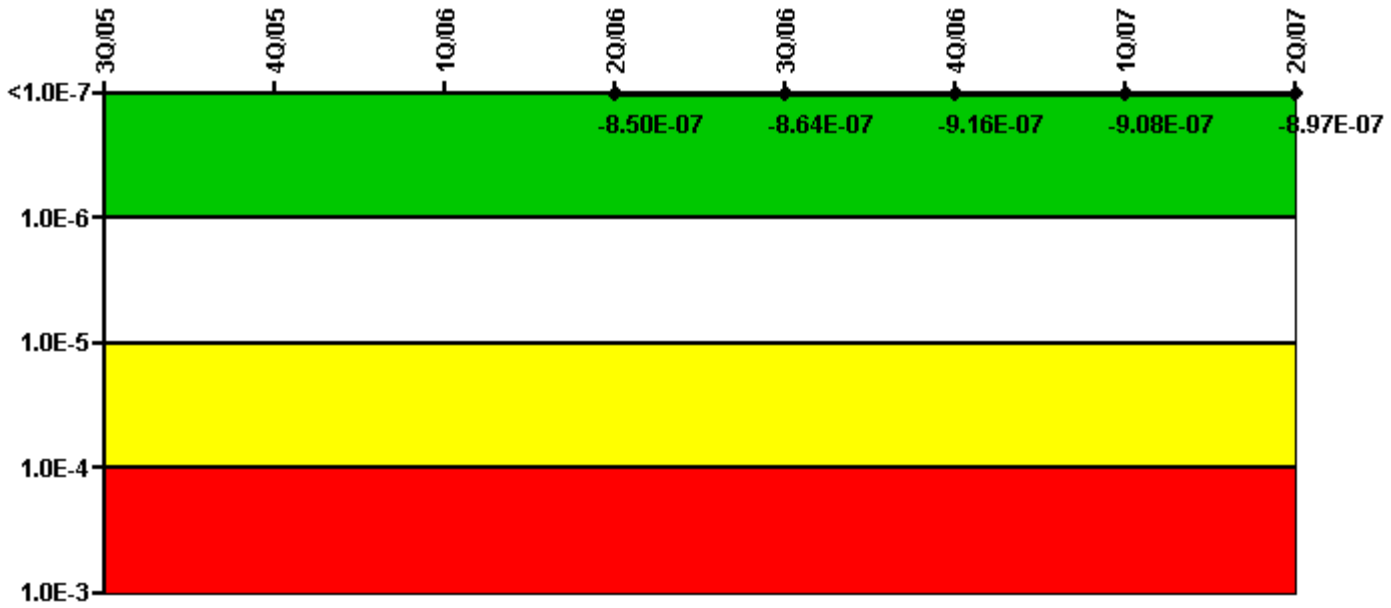
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



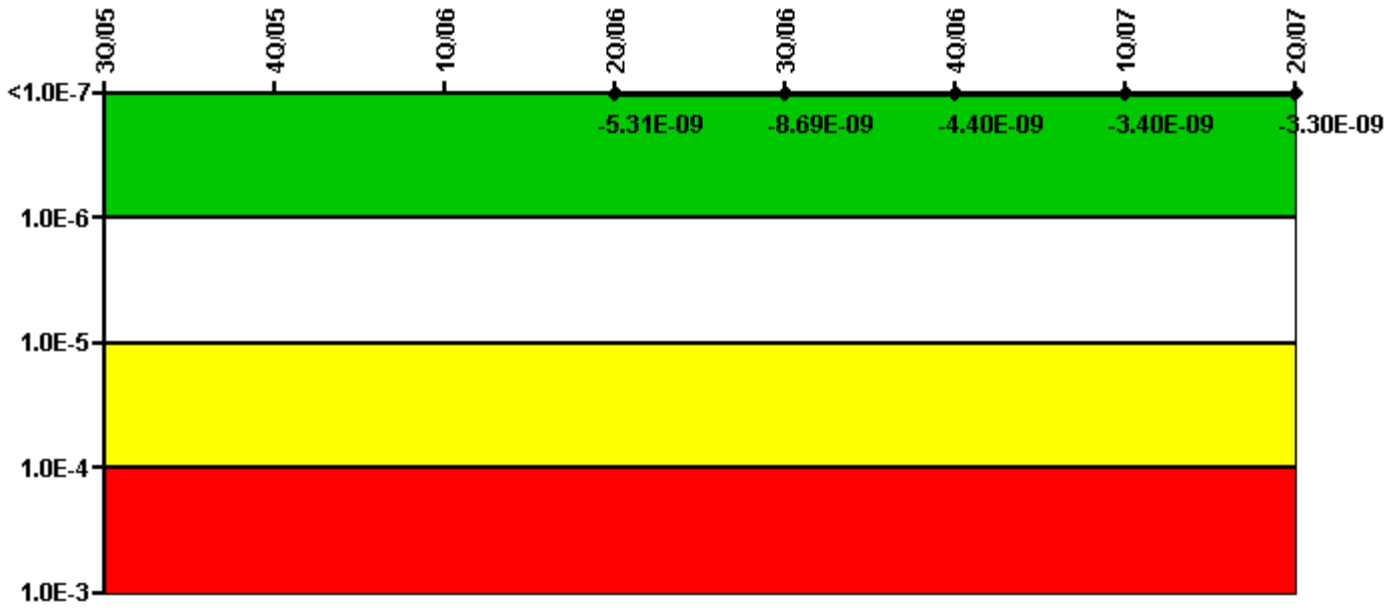
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				1.10E-07	7.60E-08	7.40E-08	7.20E-08	7.30E-08
URI (Δ CDF)				-9.60E-07	-9.40E-07	-9.90E-07	-9.80E-07	-9.70E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-8.50E-07	-8.64E-07	-9.16E-07	-9.08E-07	-8.97E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



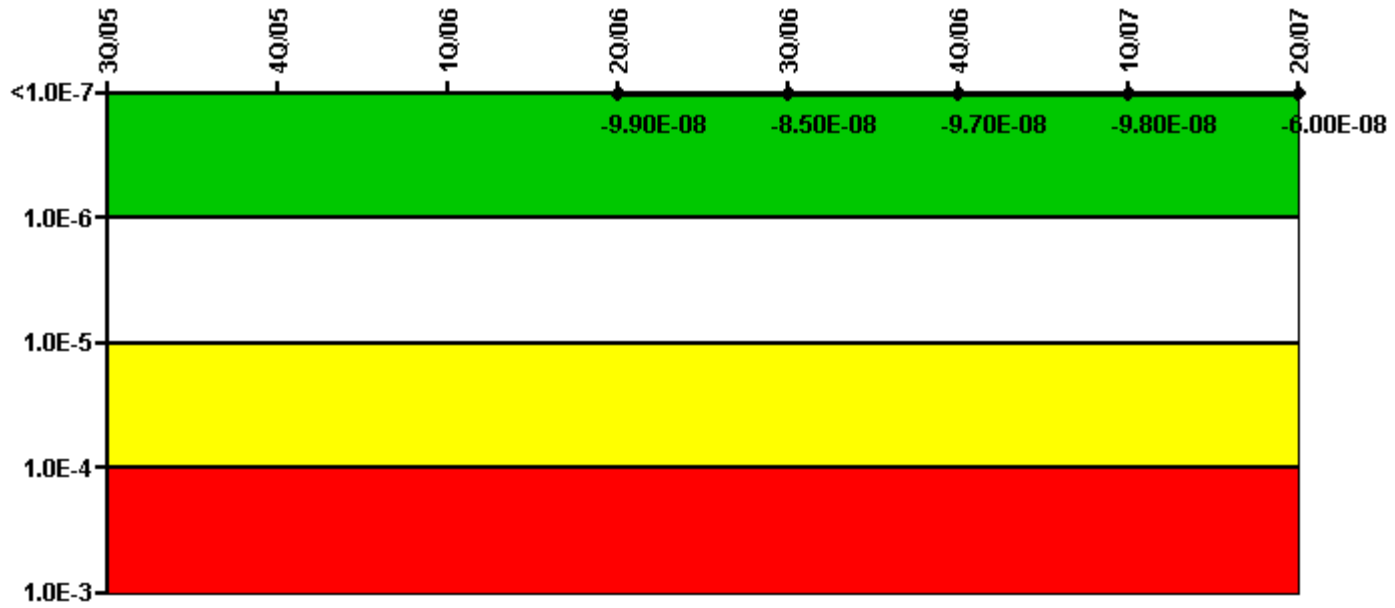
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				2.90E-10	8.10E-10	6.60E-09	7.60E-09	7.70E-09
URI (Δ CDF)				-5.60E-09	-9.50E-09	-1.10E-08	-1.10E-08	-1.10E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-5.31E-09	-8.69E-09	-4.40E-09	-3.40E-09	-3.30E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



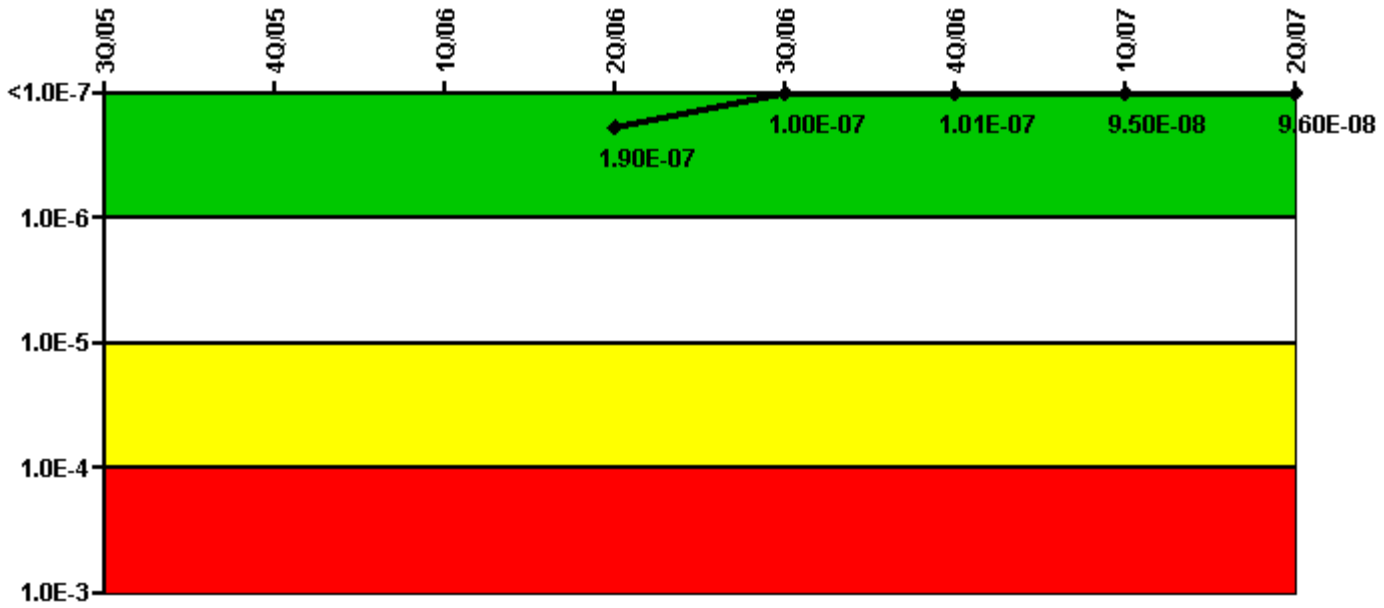
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				2.10E-08	2.50E-08	2.30E-08	2.20E-08	5.00E-08
URI (Δ CDF)				-1.20E-07	-1.10E-07	-1.20E-07	-1.20E-07	-1.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-9.90E-08	-8.50E-08	-9.70E-08	-9.80E-08	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



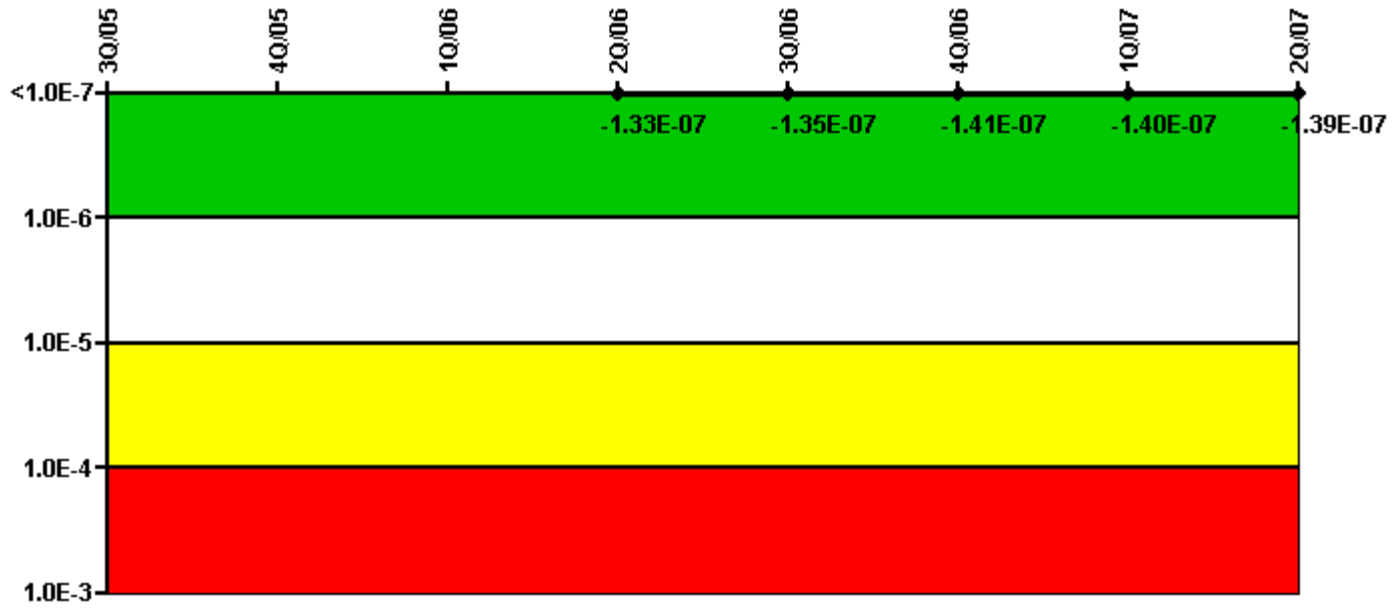
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				2.00E-08	2.00E-08	1.70E-08	1.10E-08	1.10E-08
URI (Δ CDF)				1.70E-07	8.00E-08	8.40E-08	8.40E-08	8.50E-08
PLE				NO	NO	NO	NO	NO
Indicator value				1.90E-07	1.00E-07	1.01E-07	9.50E-08	9.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



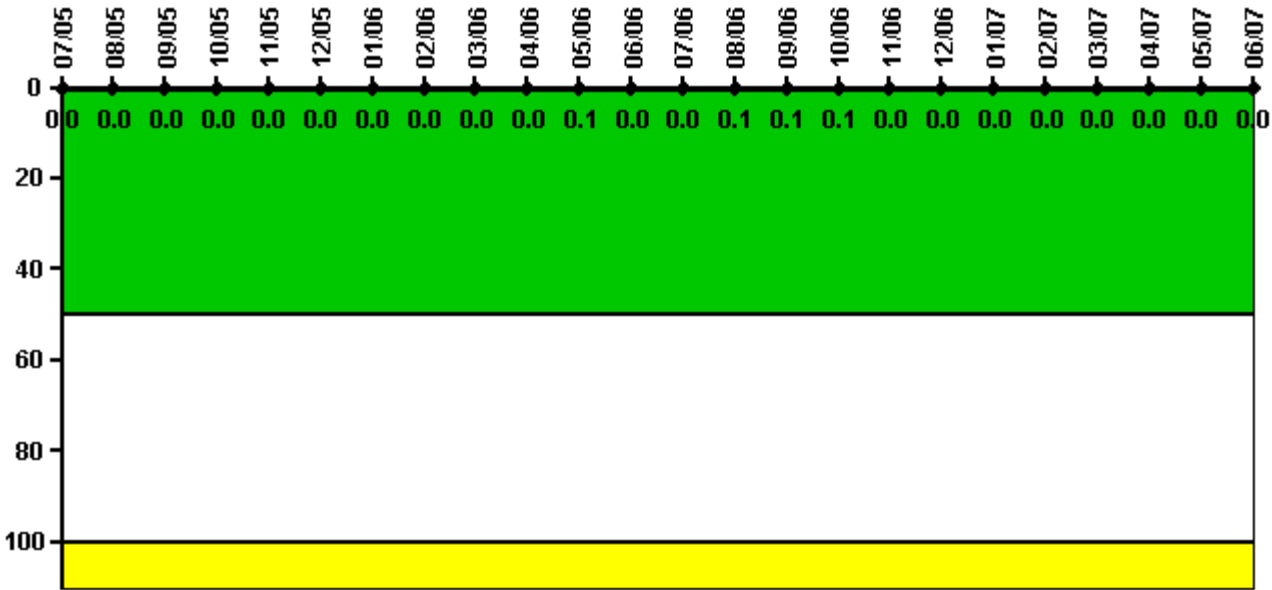
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				-2.50E-09	-5.10E-09	-1.10E-09	1.30E-10	8.10E-10
URI (Δ CDF)				-1.30E-07	-1.30E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-1.33E-07	-1.35E-07	-1.41E-07	-1.40E-07	-1.39E-07

Licensee Comments: none

Reactor Coolant System Activity



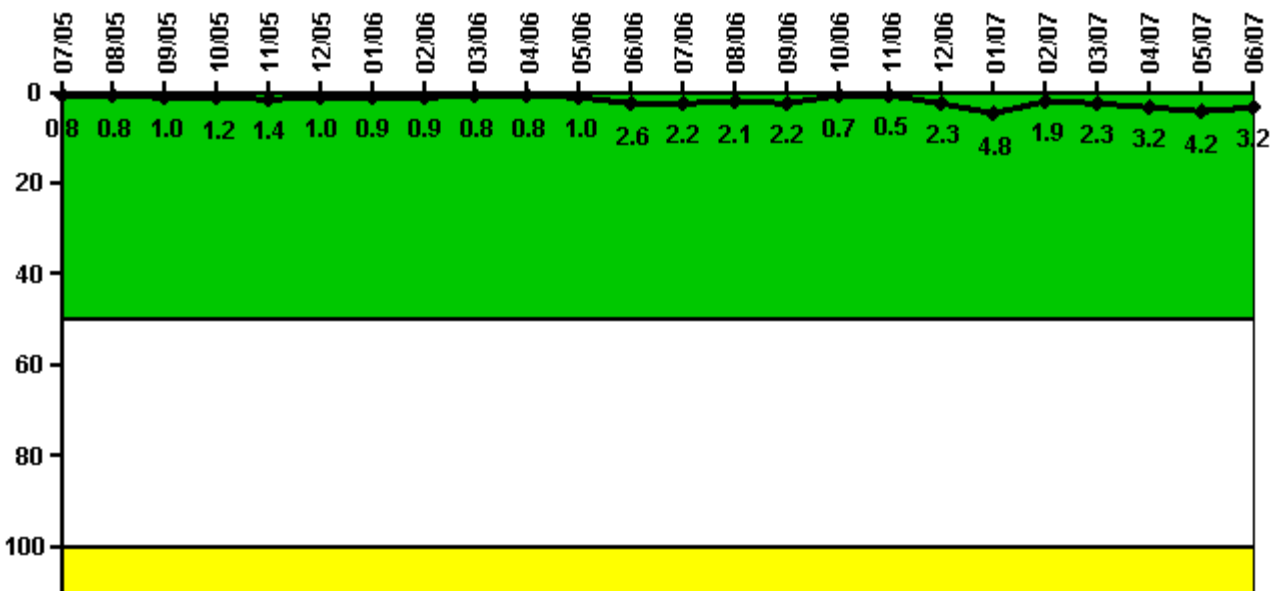
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity	0.000334	0.000326	0.000323	0.000395	0.000358	0.000358	0.000422	0.000347	0.000470	0.000473	0.000508	0.000487
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	0.1	0
Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000498	0.000506	0.000815	0.000504	0.000298	0.000386	0.000341	0.000394	0.000367	0.000365	0.000428	0.000411
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	0.1	0.1	0.1	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



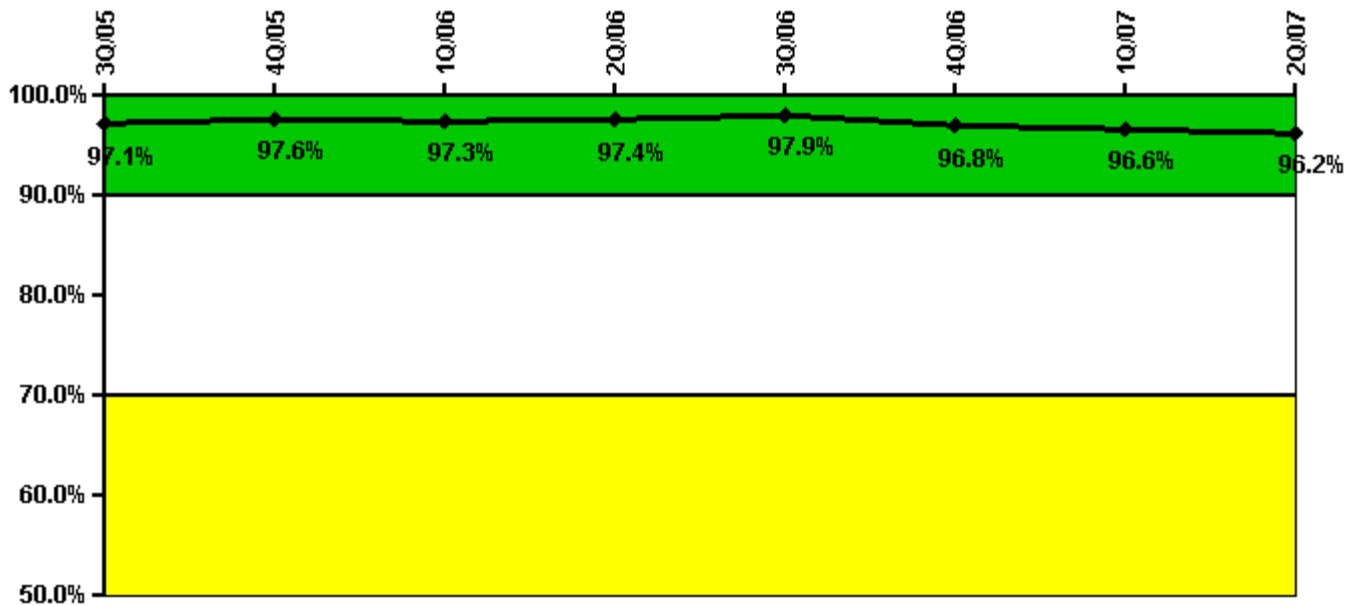
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.080	0.080	0.100	0.120	0.140	0.100	0.090	0.090	0.080	0.080	0.100	0.260
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	0.8	0.8	1.0	1.2	1.4	1.0	0.9	0.9	0.8	0.8	1.0	2.6
Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.220	0.210	0.220	0.070	0.050	0.230	0.480	0.190	0.230	0.320	0.420	0.320
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	2.2	2.1	2.2	0.7	0.5	2.3	4.8	1.9	2.3	3.2	4.2	3.2

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

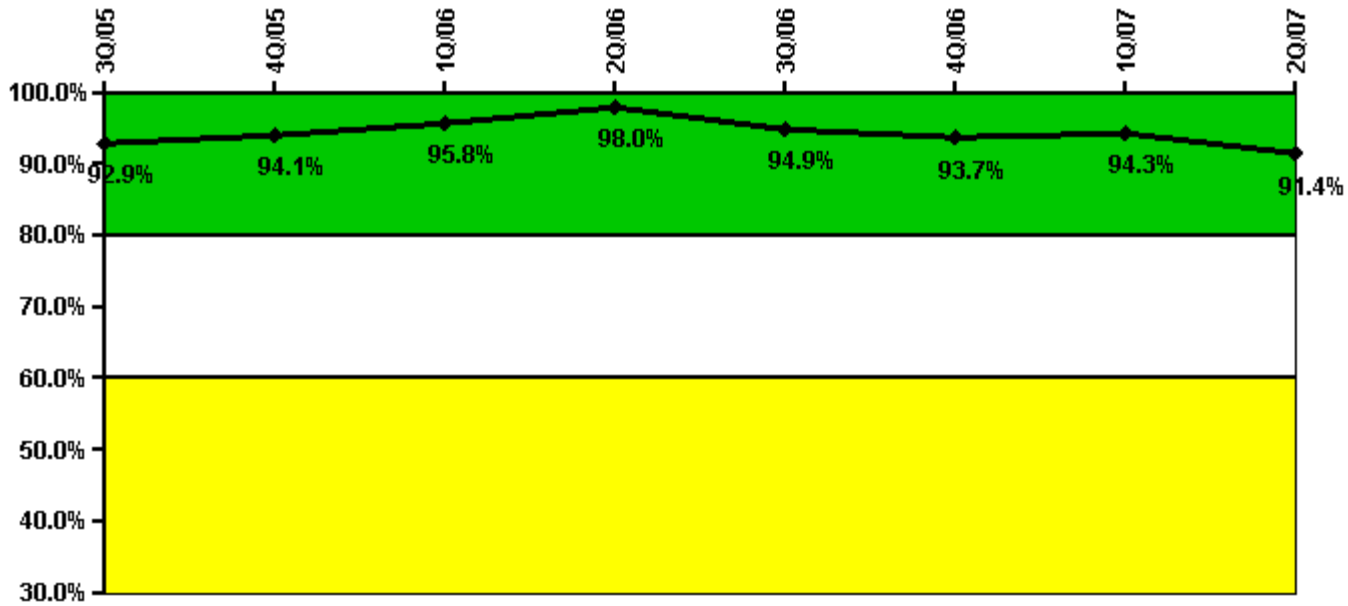
Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	29.0	27.0	34.0	22.0	31.0	1.0	32.0	25.0
Total opportunities	29.0	27.0	35.0	23.0	32.0	3.0	34.0	26.0
Indicator value	97.1%	97.6%	97.3%	97.4%	97.9%	96.8%	96.6%	96.2%

Licensee Comments:

2Q/07: A self-evaluation revealed an opportunity count inaccuracy for January 2007. Data was corrected with no change in color.

ERO Drill Participation



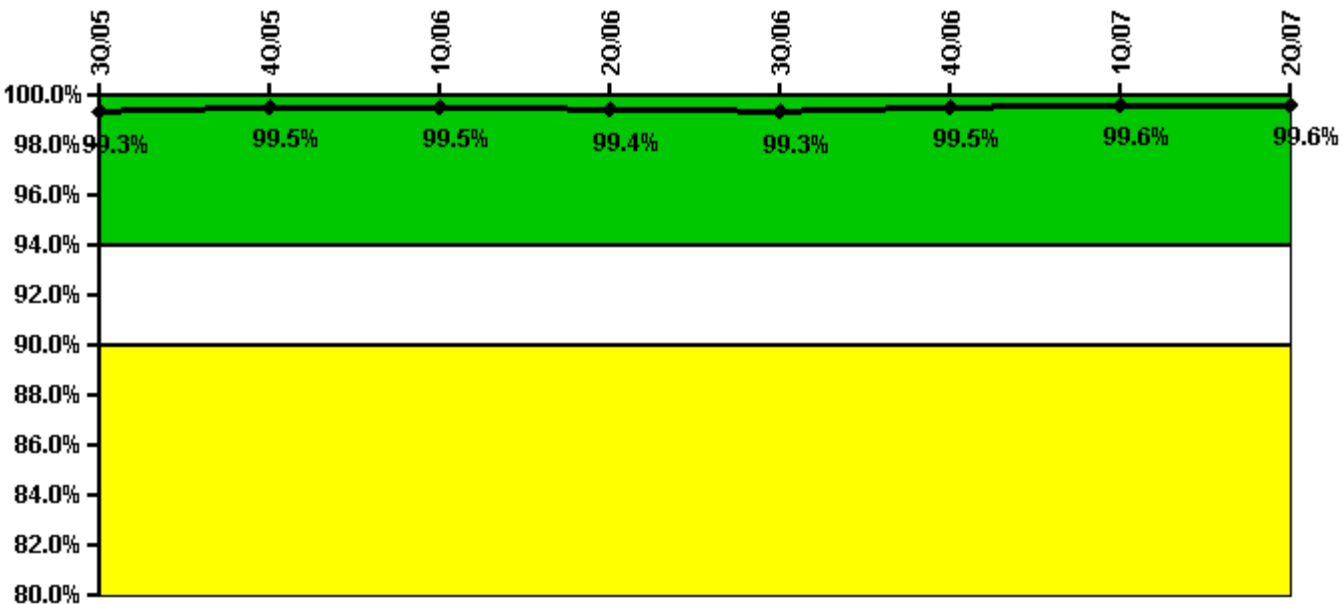
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	144.0	144.0	137.0	145.0	149.0	149.0	164.0	159.0
Total Key personnel	155.0	153.0	143.0	148.0	157.0	159.0	174.0	174.0
Indicator value	92.9%	94.1%	95.8%	98.0%	94.9%	93.7%	94.3%	91.4%

Licensee Comments: none

Alert & Notification System



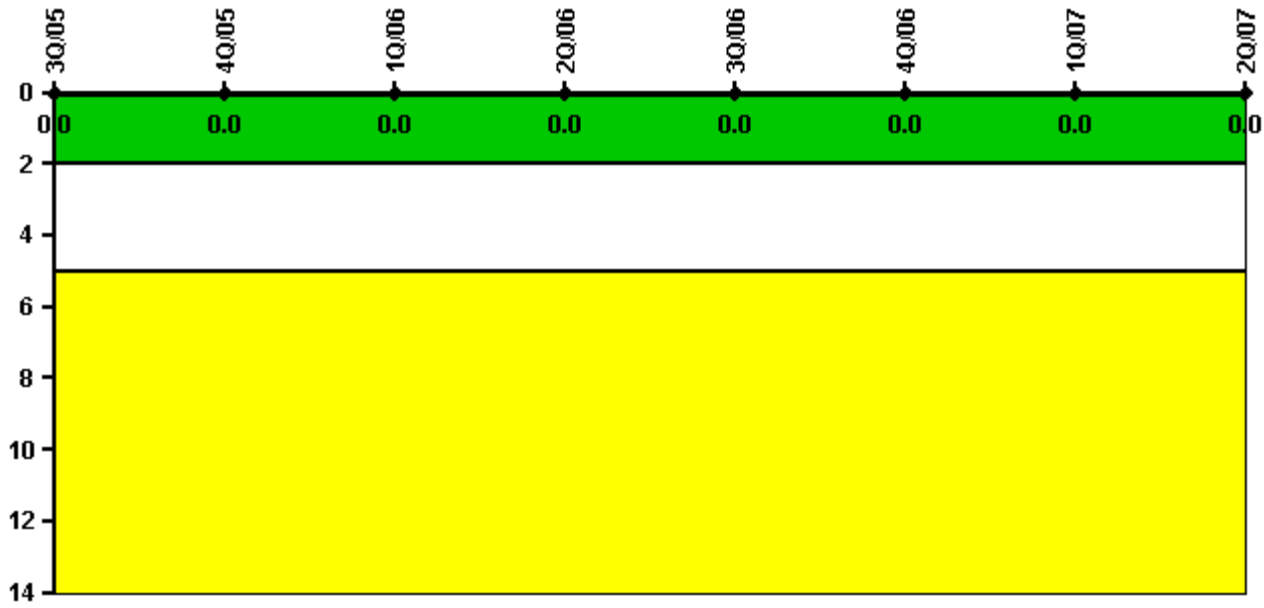
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	541	472	542	473	539	476	543	474
Total sirens-tests	544	476	544	476	544	476	544	476
Indicator value	99.3%	99.5%	99.5%	99.4%	99.3%	99.5%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



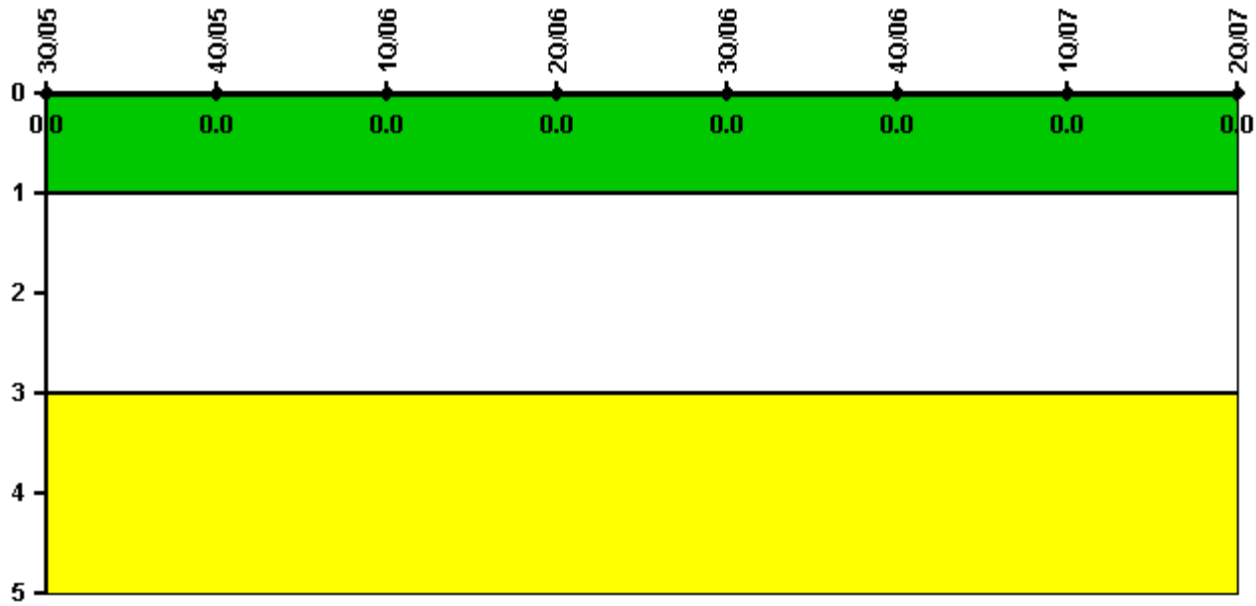
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/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	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	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/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: August 6, 2007