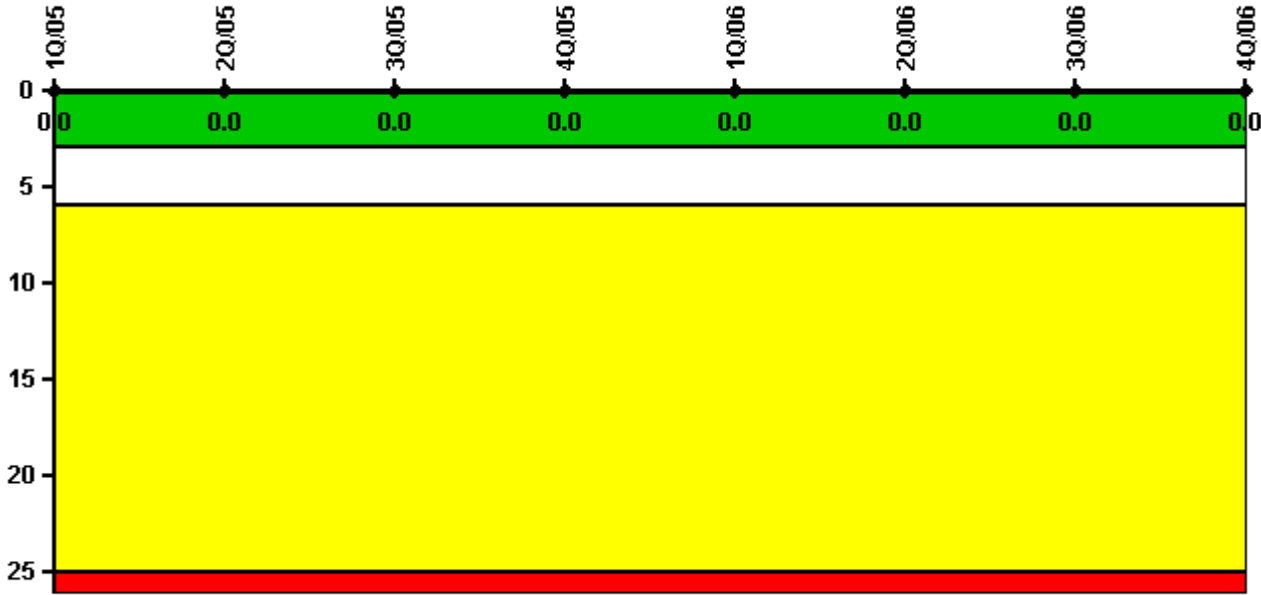


Surry 1

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	0	0	0
Critical hours	2068.5	2183.0	2208.0	1964.0	2160.0	1413.5	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



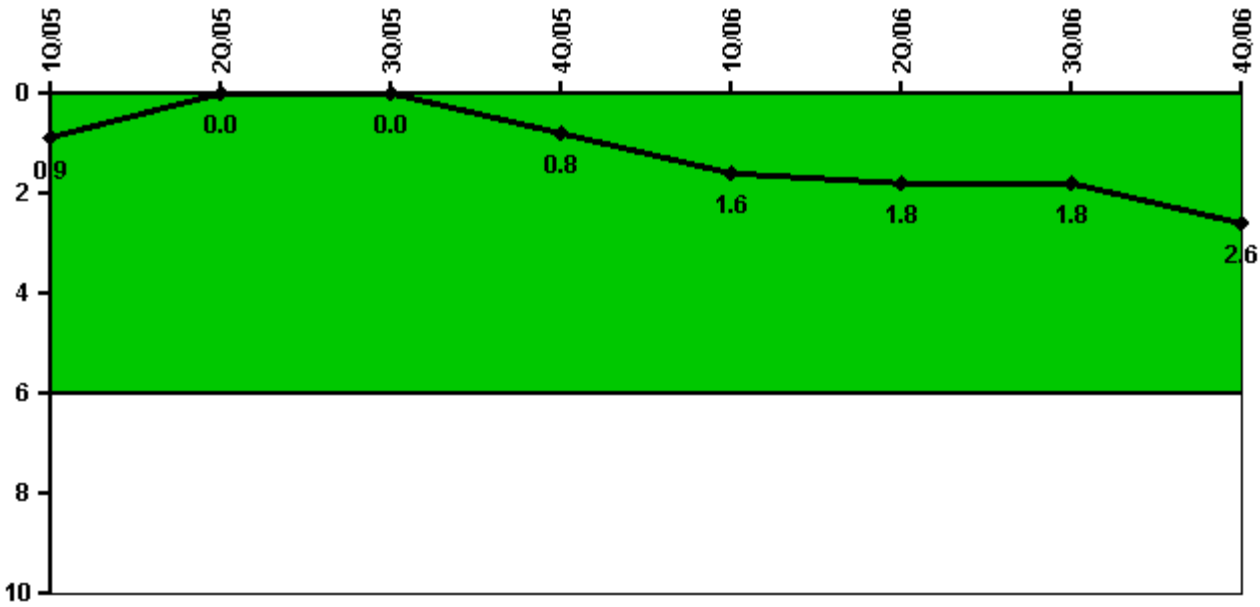
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	1.0	1.0	1.0	1.0	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



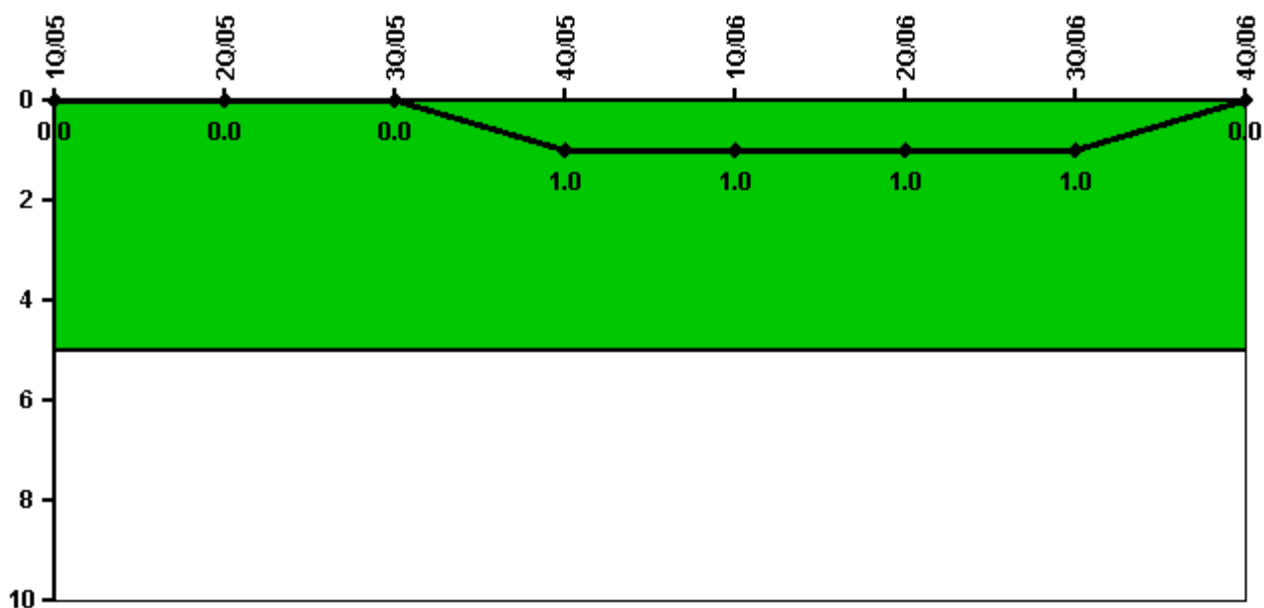
Thresholds: White > 6.0

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	0	1.0	1.0	0	0	2.0
Critical hours	2068.5	2183.0	2208.0	1964.0	2160.0	1413.5	2208.0	2209.0
Indicator value	0.9	0	0	0.8	1.6	1.8	1.8	2.6

Licensee Comments: none

Safety System Functional Failures (PWR)



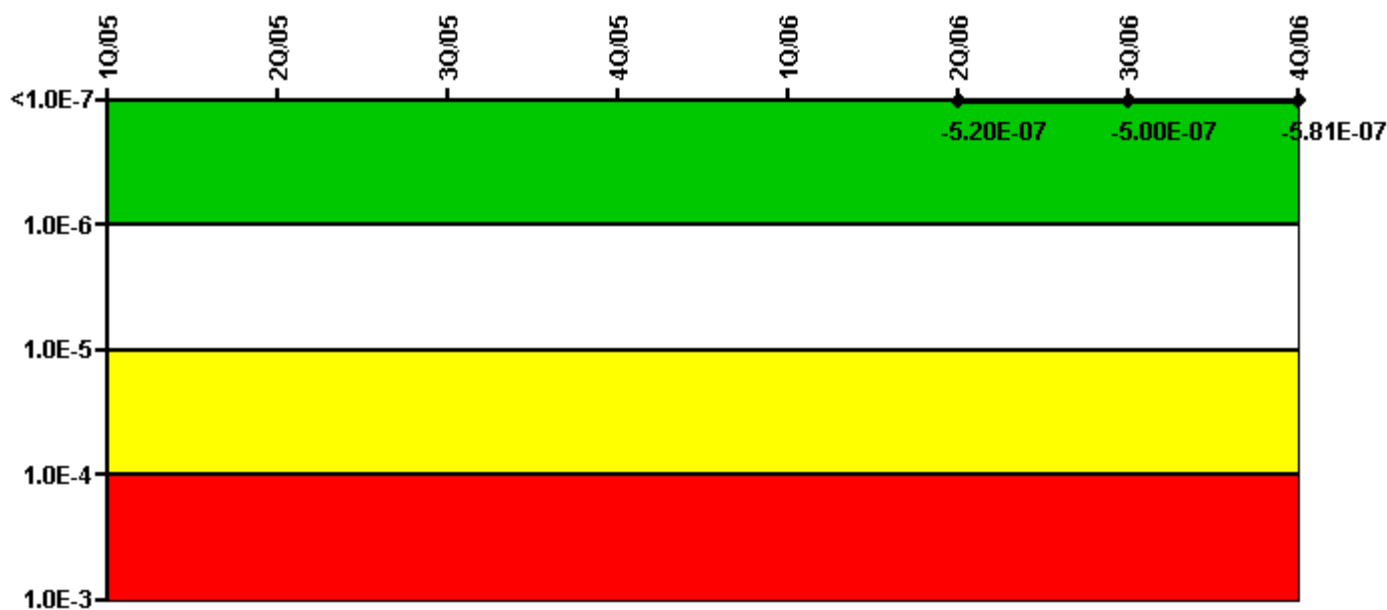
Thresholds: White > 5.0

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	0	0	1	0	0	0	0
Indicator value	0	0	0	1	1	1	1	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

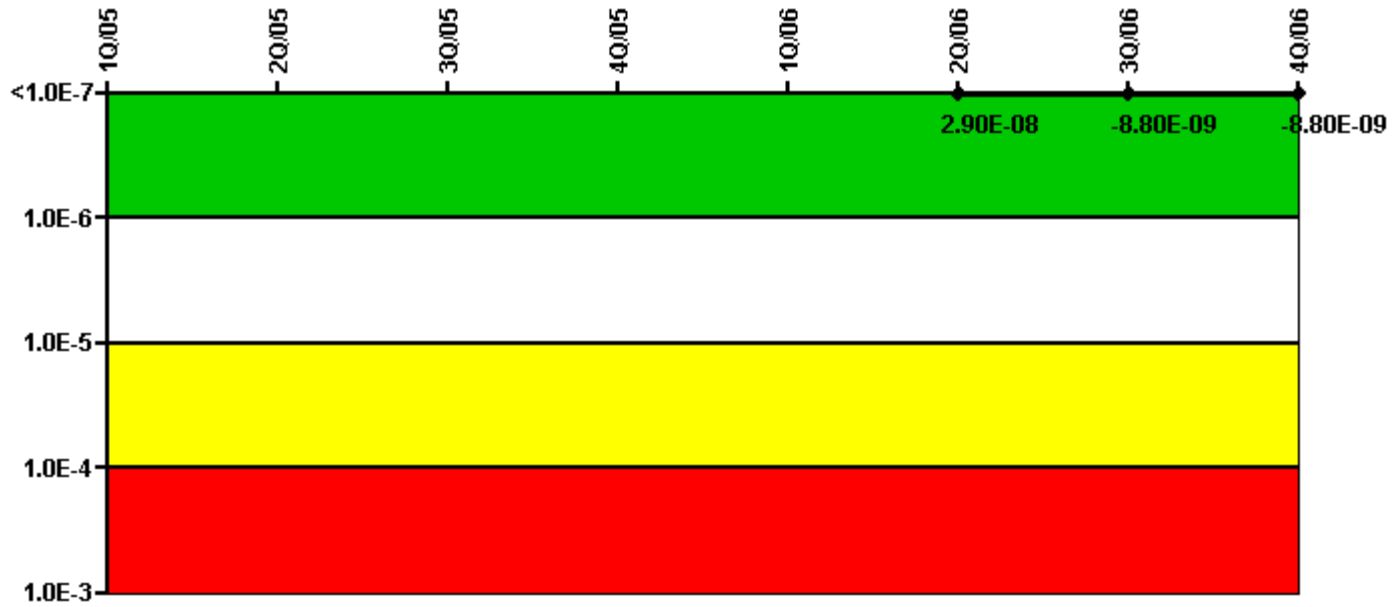
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						5.00E-08	6.00E-08	5.90E-08
URI (Δ CDF)						-5.70E-07	-5.60E-07	-6.40E-07
PLE						NO	NO	NO
Indicator value						-5.20E-07	-5.00E-07	-5.81E-07

Licensee Comments:

4Q/06: A self-evaluation revealed some historical failure data inaccuracies. Also an inspection from the NRC Resident revealed several inaccuracies with unavailability baseline coefficients in the Basis Document and the CDE. Data was corrected with no change in color.

Mitigating Systems Performance Index, High Pressure Injection System



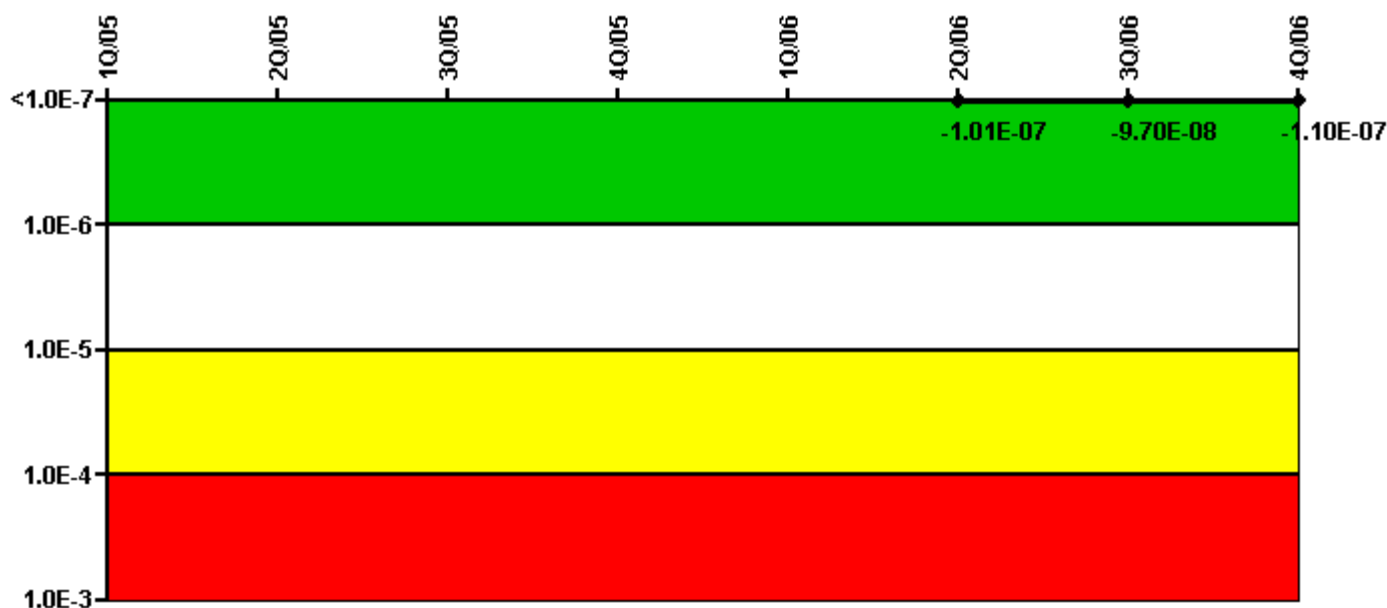
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)						-1.00E-09	-2.30E-09	-2.30E-09
URI (Δ CDF)						3.00E-08	-6.50E-09	-6.50E-09
PLE						NO	NO	NO
Indicator value						2.90E-08	-8.80E-09	-8.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

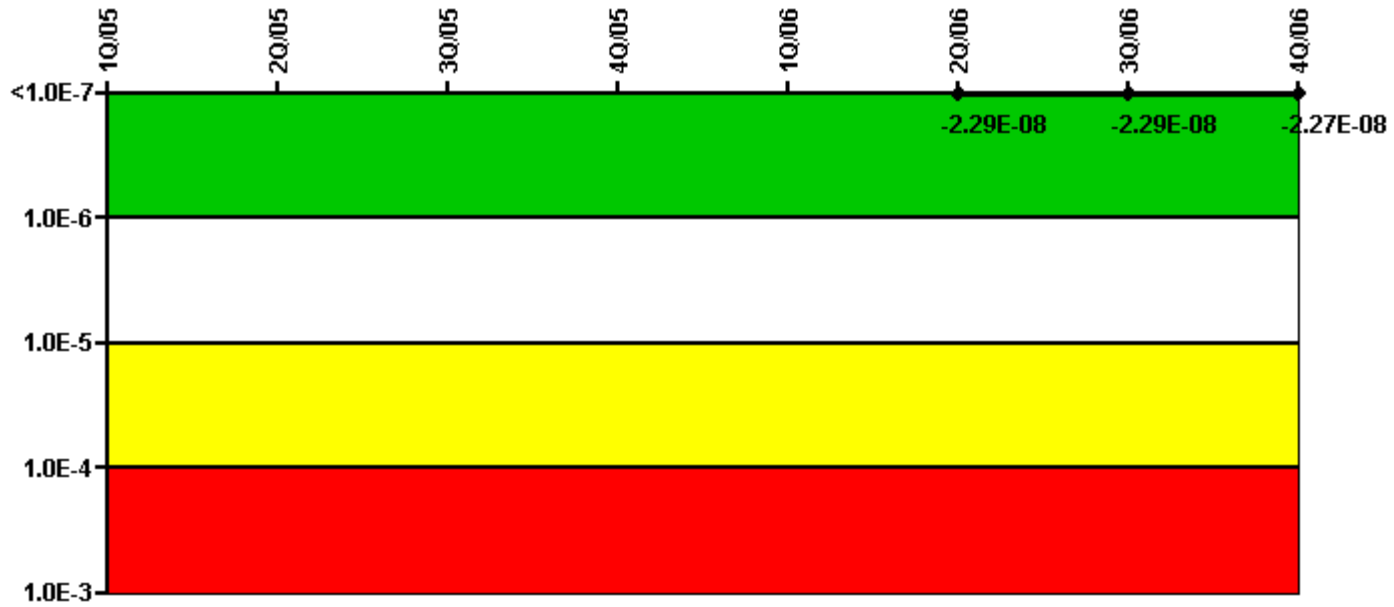
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						9.00E-09	1.30E-08	3.60E-10
URI (ΔCDF)						-1.10E-07	-1.10E-07	-1.10E-07
PLE						NO	NO	NO
Indicator value						-1.01E-07	-9.70E-08	-1.10E-07

Licensee Comments:

4Q/06: An inspection from the NRC Resident revealed historical data inaccuracies in January and February 2006. Also unavailability baseline coefficients were corrected in the Basis Document and the CDE. Data was corrected with no change in color.

Mitigating Systems Performance Index, Residual Heat Removal System



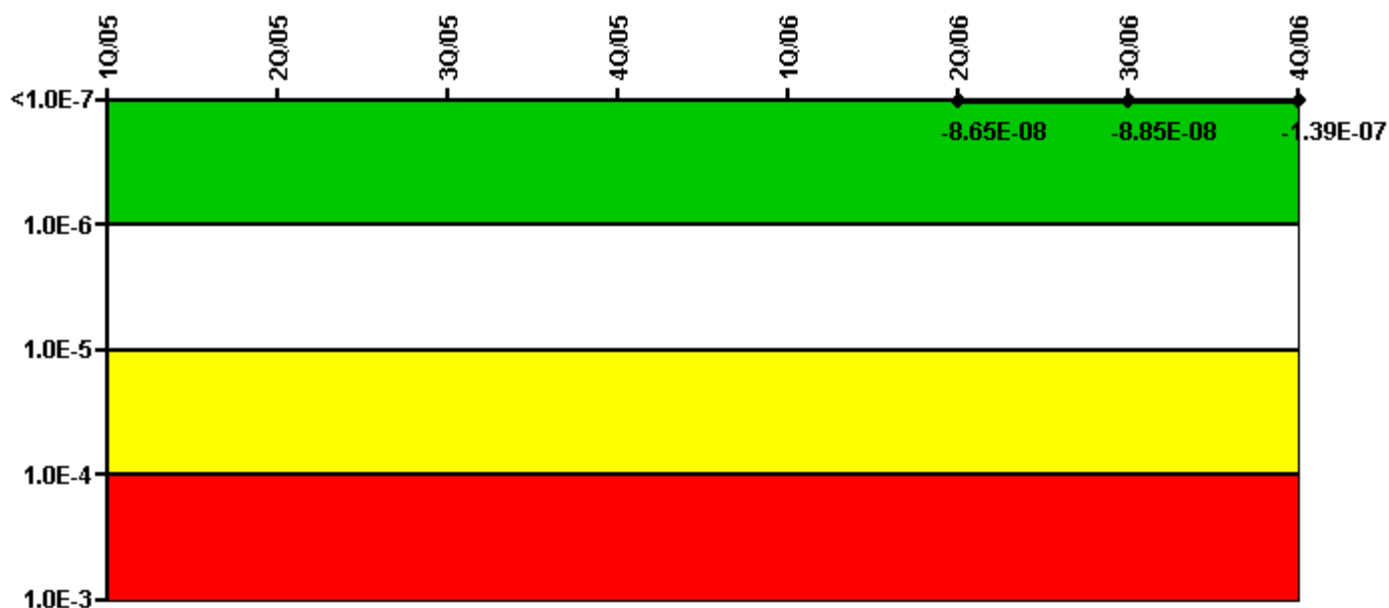
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)						-4.90E-09	-4.90E-09	-4.70E-09
URI (Δ CDF)						-1.80E-08	-1.80E-08	-1.80E-08
PLE						NO	NO	NO
Indicator value						-2.29E-08	-2.29E-08	-2.27E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

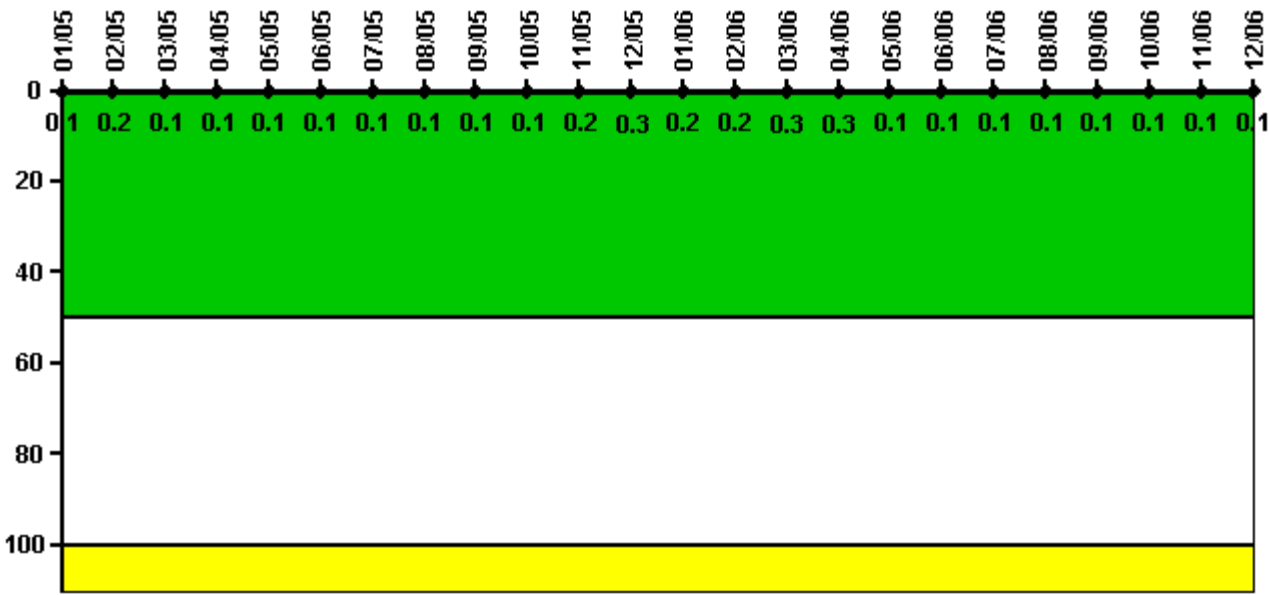
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						4.60E-10	5.30E-10	7.70E-10
URI (ΔCDF)						-8.70E-08	-8.90E-08	-1.40E-07
PLE						NO	NO	NO
Indicator value						-8.65E-08	-8.85E-08	-1.39E-07

Licensee Comments:

4Q/06: During the NRC TI 2515/169 Mitigating Systems Performance Index Verification Inspection, the Resident Inspector found data inaccuracies in months prior to fourth quarter 2006. Data corrections will be performed at the first quarter 2007 data submittal and should not result in a color change.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

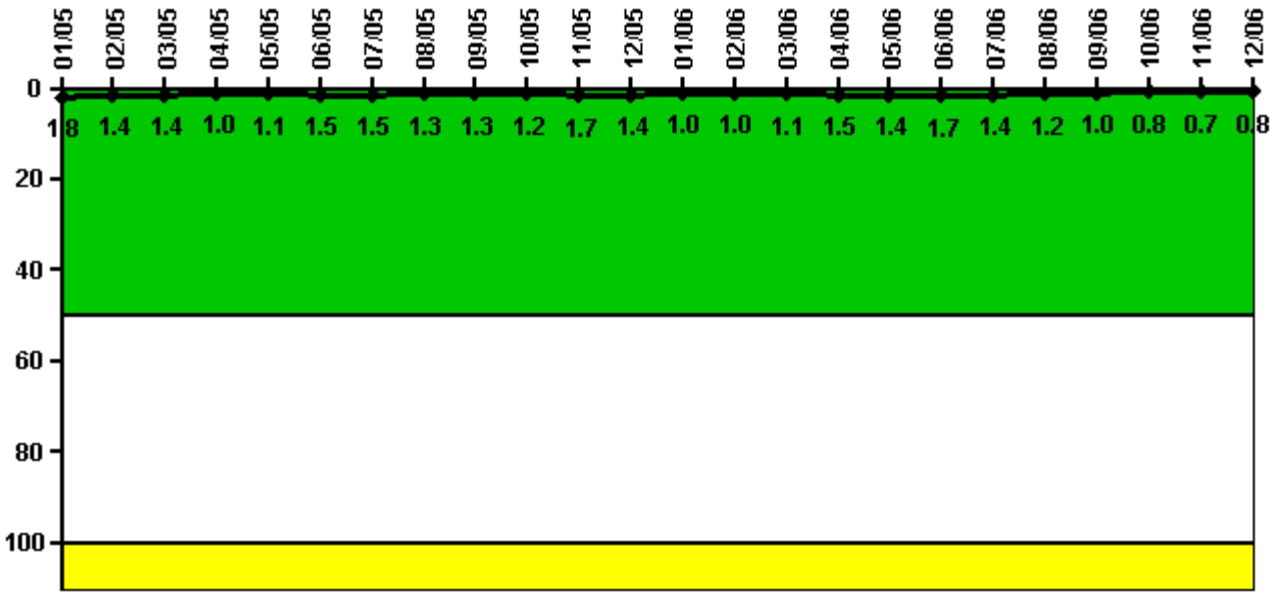
Notes

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	0.001300	0.001520	0.001200	0.001160	0.001190	0.001350	0.001460	0.001350	0.001480	0.001460	0.001630	0.003080
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	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3

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	0.001720	0.001750	0.002760	0.003370	0.000813	0.001140	0.000901	0.000990	0.001120	0.001060	0.001120	0.001180
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	0.2	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

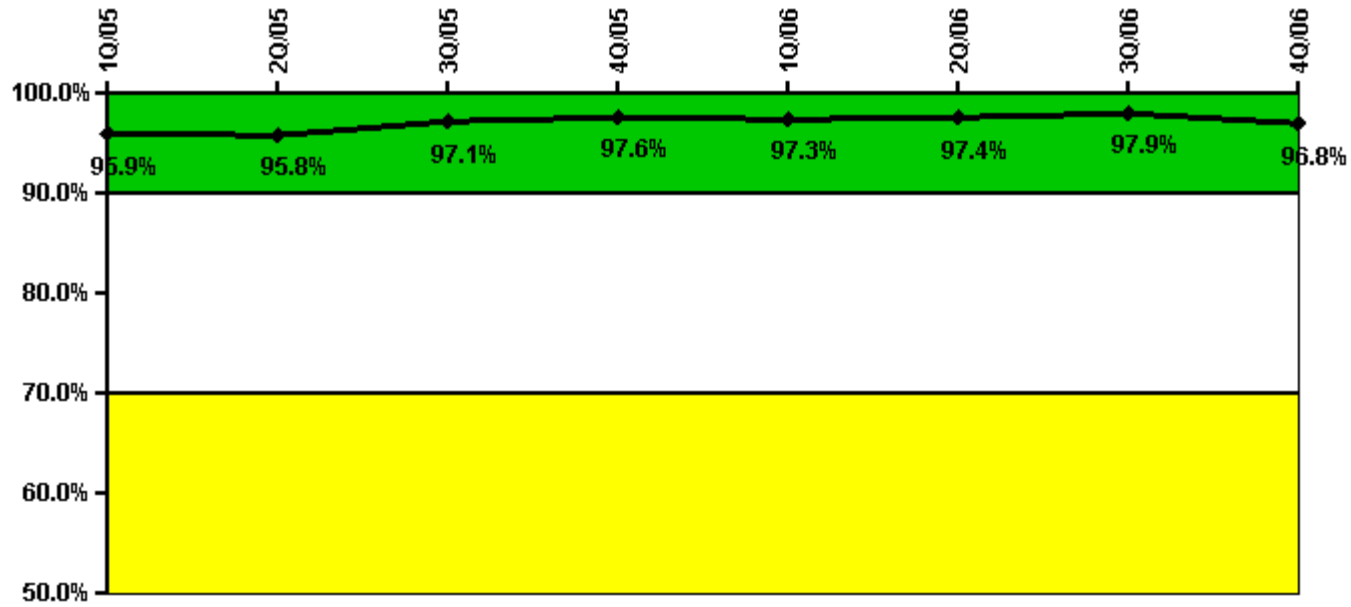
Notes

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	0.180	0.140	0.140	0.100	0.110	0.150	0.150	0.130	0.130	0.120	0.170	0.140
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	1.8	1.4	1.4	1.0	1.1	1.5	1.5	1.3	1.3	1.2	1.7	1.4

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	0.100	0.100	0.110	0.150	0.140	0.170	0.140	0.120	0.100	0.080	0.070	0.080
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	1.0	1.0	1.1	1.5	1.4	1.7	1.4	1.2	1.0	0.8	0.7	0.8

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

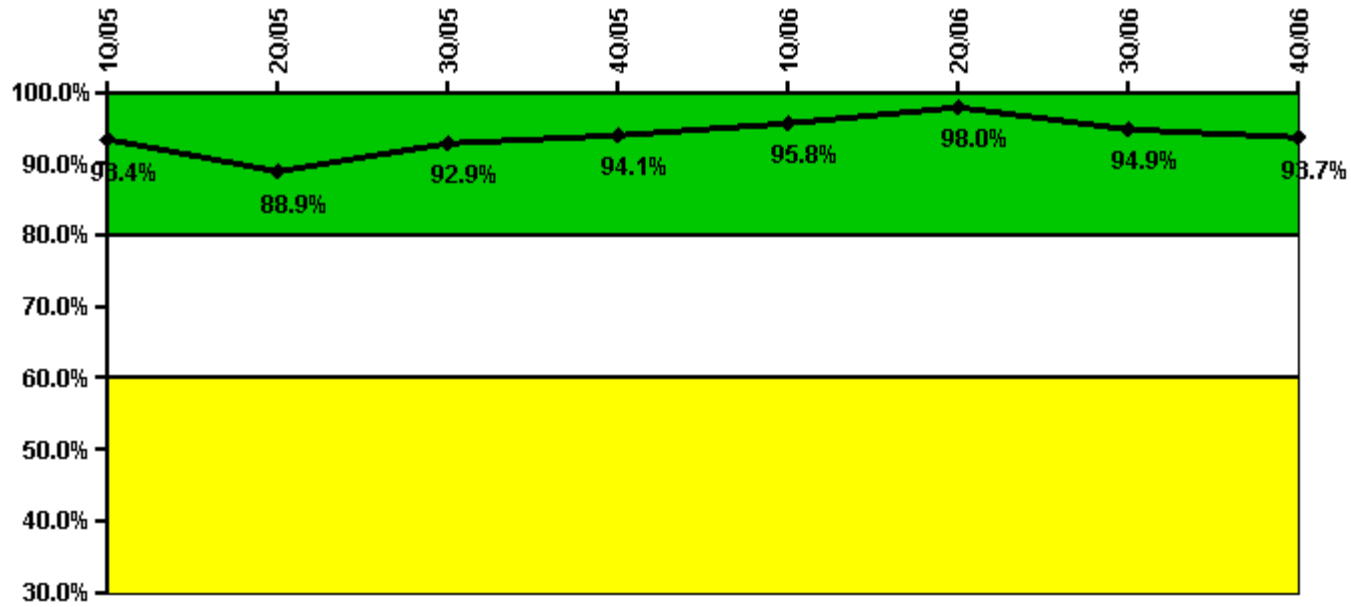
Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	19.0	20.0	29.0	27.0	34.0	22.0	31.0	1.0
Total opportunities	20.0	20.0	29.0	27.0	35.0	23.0	32.0	3.0
Indicator value	95.9%	95.8%	97.1%	97.6%	97.3%	97.4%	97.9%	96.8%

Licensee Comments:

4Q/06: Based on a Self Assessment, a missed opportunity was not accounted for in April 2006. Data was corrected with no change in color.

ERO Drill Participation



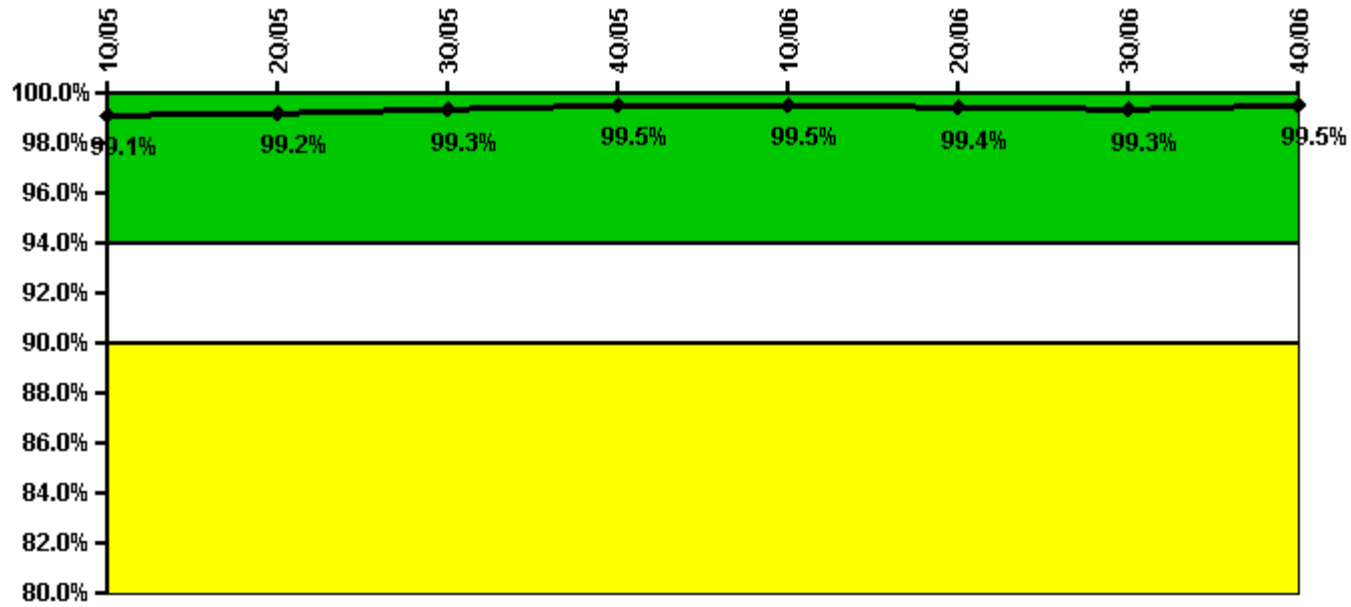
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	142.0	136.0	144.0	144.0	137.0	145.0	149.0	149.0
Total Key personnel	152.0	153.0	155.0	153.0	143.0	148.0	157.0	159.0
Indicator value	93.4%	88.9%	92.9%	94.1%	95.8%	98.0%	94.9%	93.7%

Licensee Comments: none

Alert & Notification System



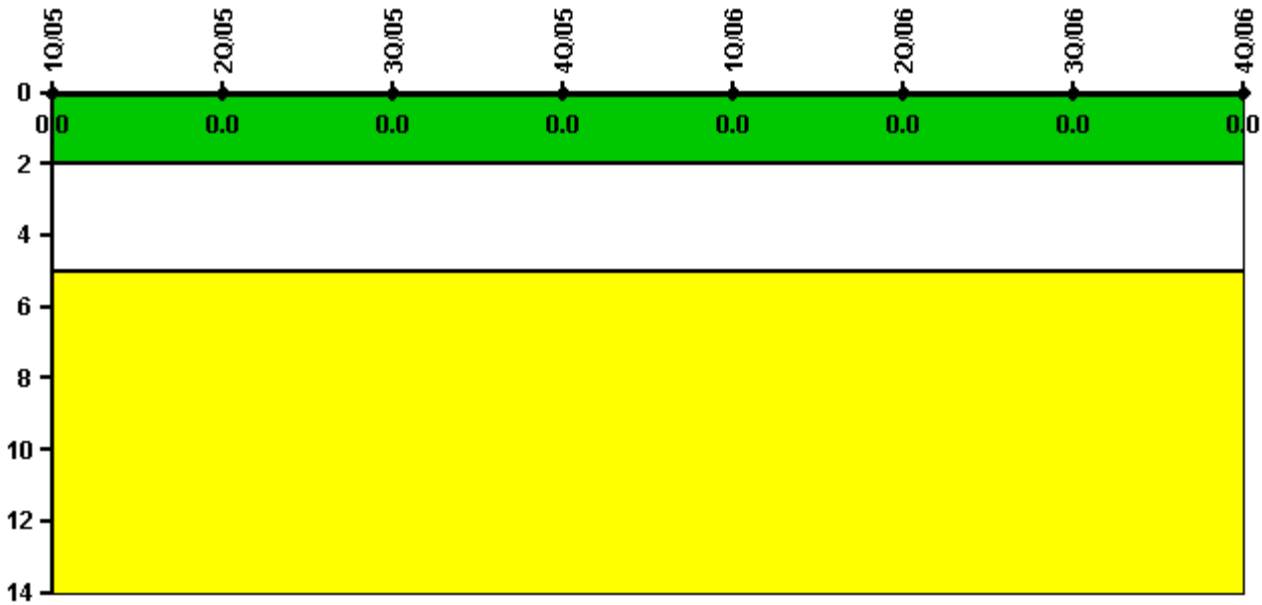
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	534	475	541	472	542	473	539	476
Total sirens-tests	537	476	544	476	544	476	544	476
Indicator value	99.1%	99.2%	99.3%	99.5%	99.5%	99.4%	99.3%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



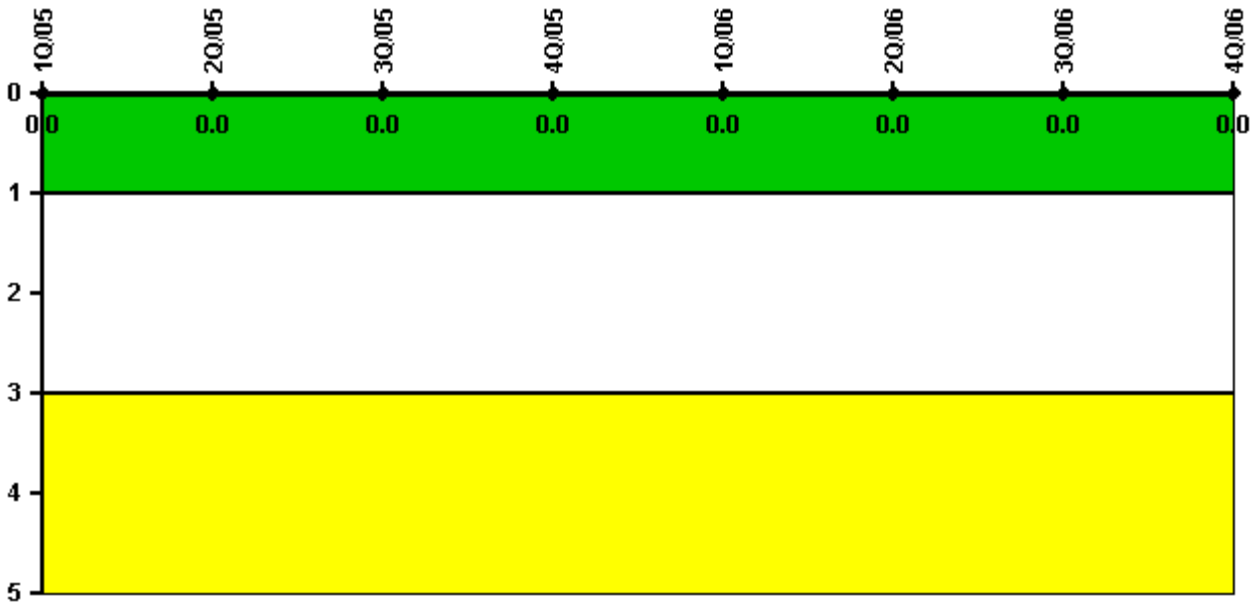
Thresholds: White > 2.0 Yellow > 5.0

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	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	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.