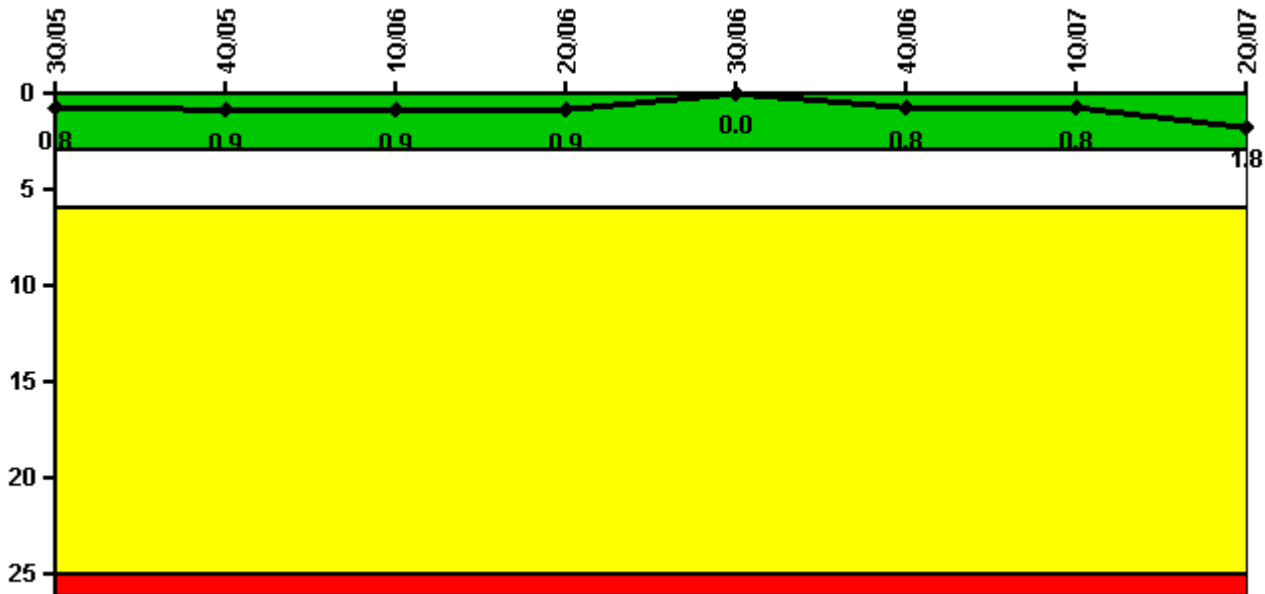


North Anna 2

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

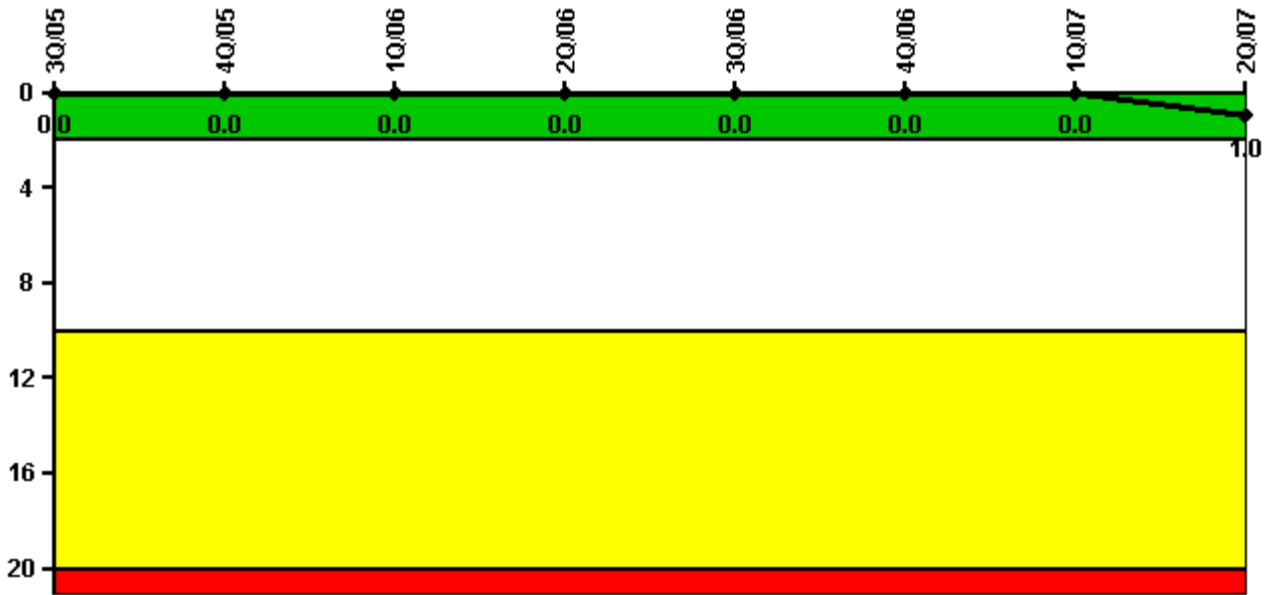
Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	1.0	0	0	0	0	1.0	0	1.0
Critical hours	2176.4	1531.6	2160.0	2183.0	2208.0	2184.7	1823.8	1674.4
Indicator value	0.8	0.9	0.9	0.9	0	0.8	0.8	1.8

Licensee Comments:

2Q/07: 06-29-07: U-2 Auto. Scram due to spurious Train "B" Safety Injection relay actuation.

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

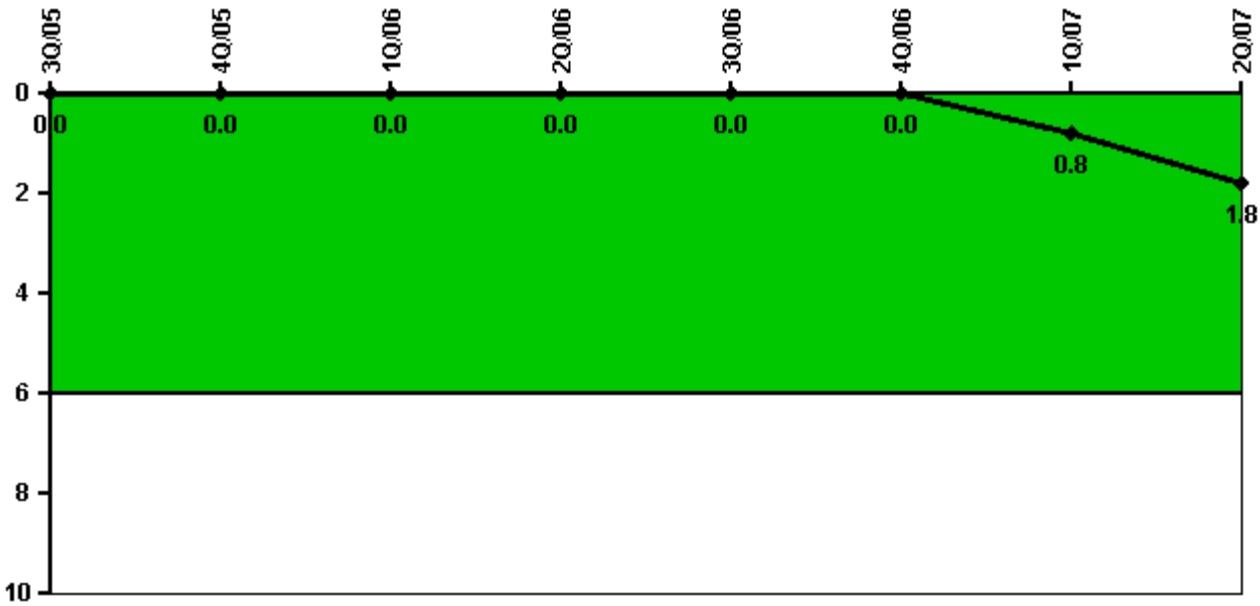
Notes

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	0	0	1.0
Indicator value	0	0	0	0	0	0	0	1.0

Licensee Comments:

2Q/07: 06-29-07: U-2 Auto. Scram due to a spurious SI which resulted in a trip of all Feedwater pumps.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

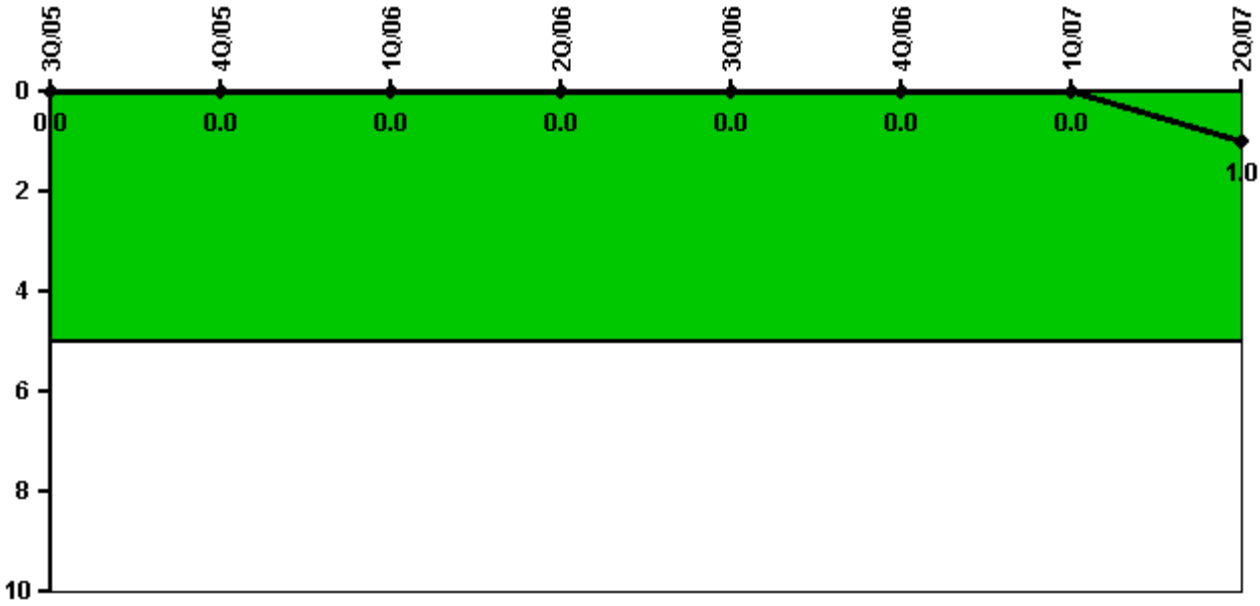
Notes

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	0	0	0	0	1.0	1.0
Critical hours	2176.4	1531.6	2160.0	2183.0	2208.0	2184.7	1823.8	1674.4
Indicator value	0	0	0	0	0	0	0.8	1.8

Licensee Comments:

2Q/07: Unit ramped to 58% power on 05-31-07 to perform a steam leak repair on U2 "D" MSR intercept valve.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

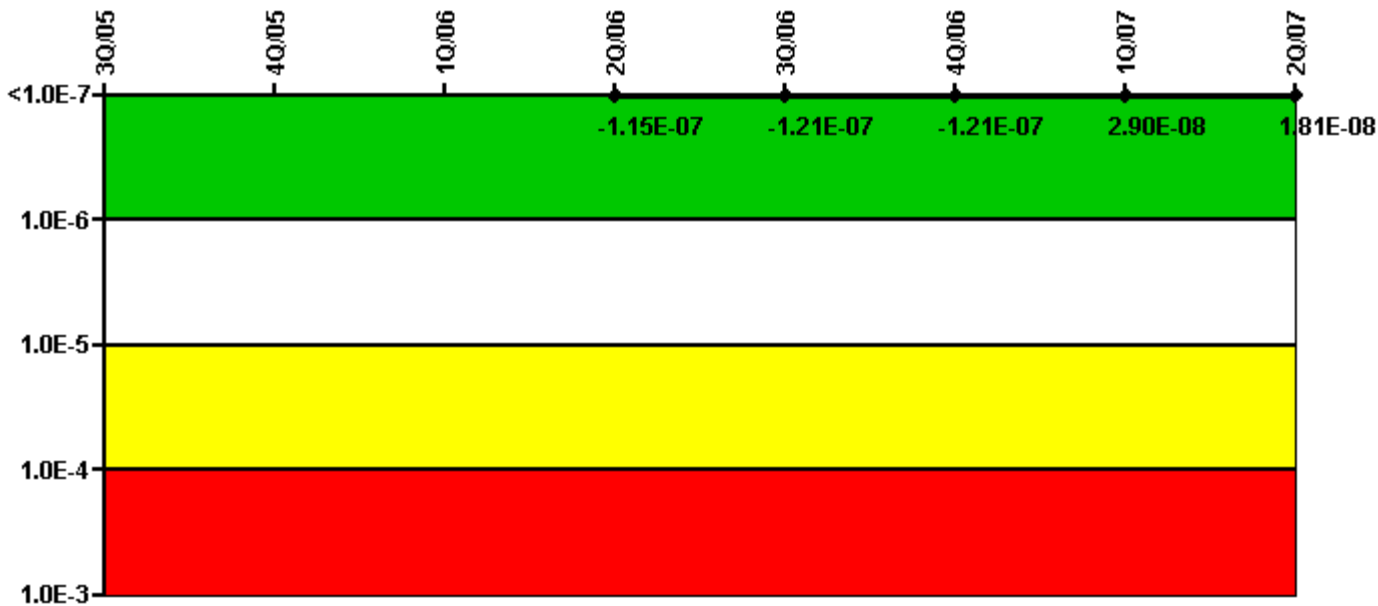
Notes

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

Licensee Comments:

2Q/07: LER 07-001-00, dated 04-27-07: Power Reduction due to Unit-2 damper leak-by during PREACS Testing

Mitigating Systems Performance Index, Emergency AC Power System



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

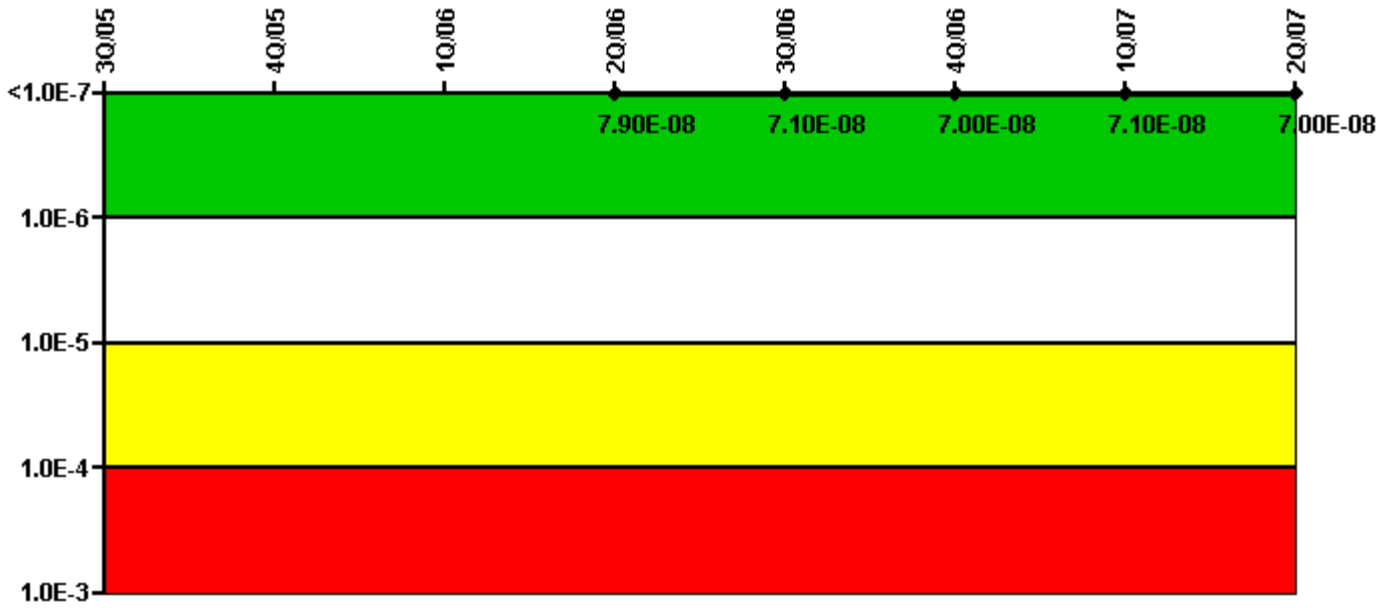
Notes

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 (ΔCDF)				2.50E-08	1.90E-08	1.90E-08	2.00E-08	1.90E-08
URI (ΔCDF)				-1.40E-07	-1.40E-07	-1.40E-07	9.00E-09	-9.50E-10
PLE				NO	NO	NO	NO	NO
Indicator value				-1.15E-07	-1.21E-07	-1.21E-07	2.90E-08	1.81E-08

Licensee Comments:

2Q/07: UAI 1.9E-08 / URI -1.6E-07/0 for March '07 revised to: UAI 2.0E-08 / URI 9.0E-09/0 as a result of 1.95 hours unplanned unavailability charged against U-2 Train-2 EDG on 03-18-07 due to lifting an incorrect lead during 2-PT-83.4.1.

Mitigating Systems Performance Index, High Pressure Injection System



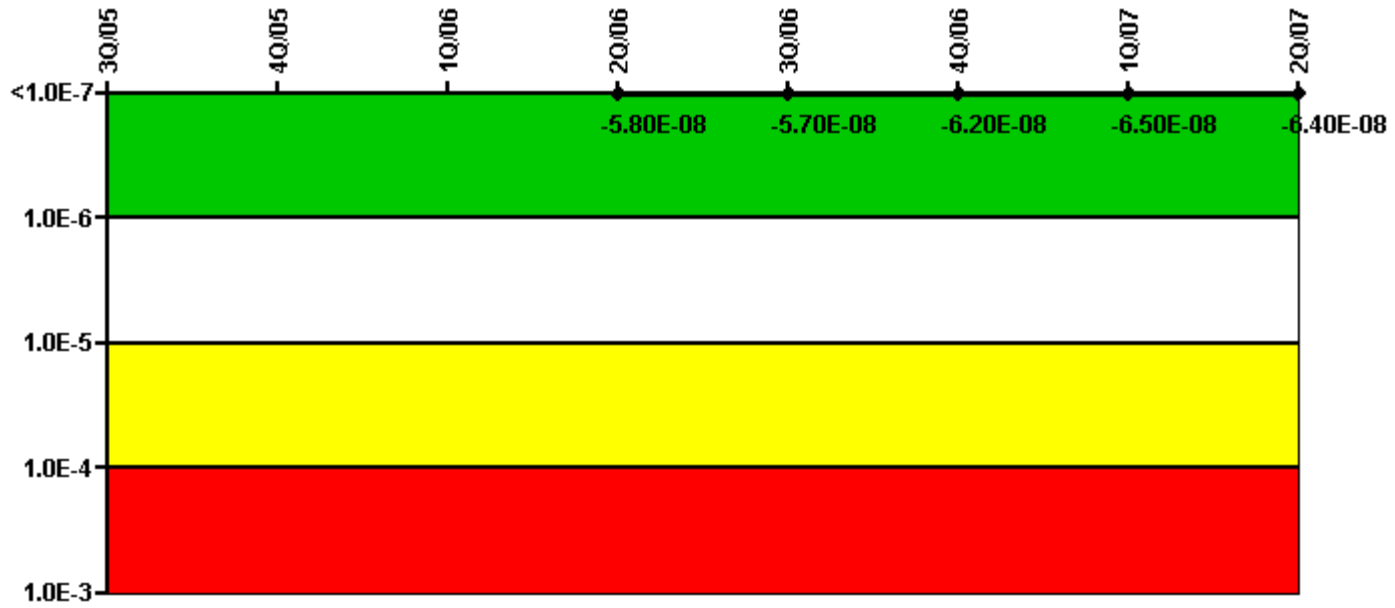
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)				-2.10E-08	-2.10E-08	-2.10E-08	-2.00E-08	-2.00E-08
URI (ΔCDF)				1.00E-07	9.20E-08	9.10E-08	9.10E-08	9.00E-08
PLE				NO	NO	NO	NO	NO
Indicator value				7.90E-08	7.10E-08	7.00E-08	7.10E-08	7.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



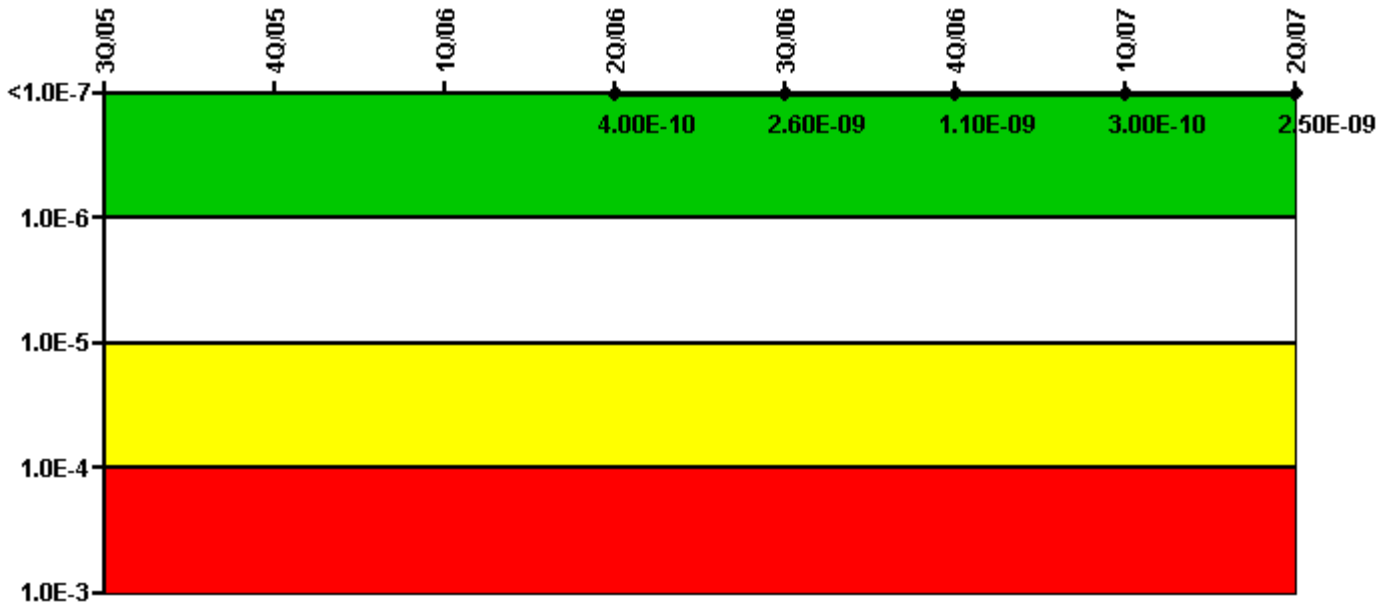
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				-2.00E-08	-1.90E-08	-2.00E-08	-2.30E-08	-2.20E-08
URI (Δ CDF)				-3.80E-08	-3.80E-08	-4.20E-08	-4.20E-08	-4.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-5.80E-08	-5.70E-08	-6.20E-08	-6.50E-08	-6.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



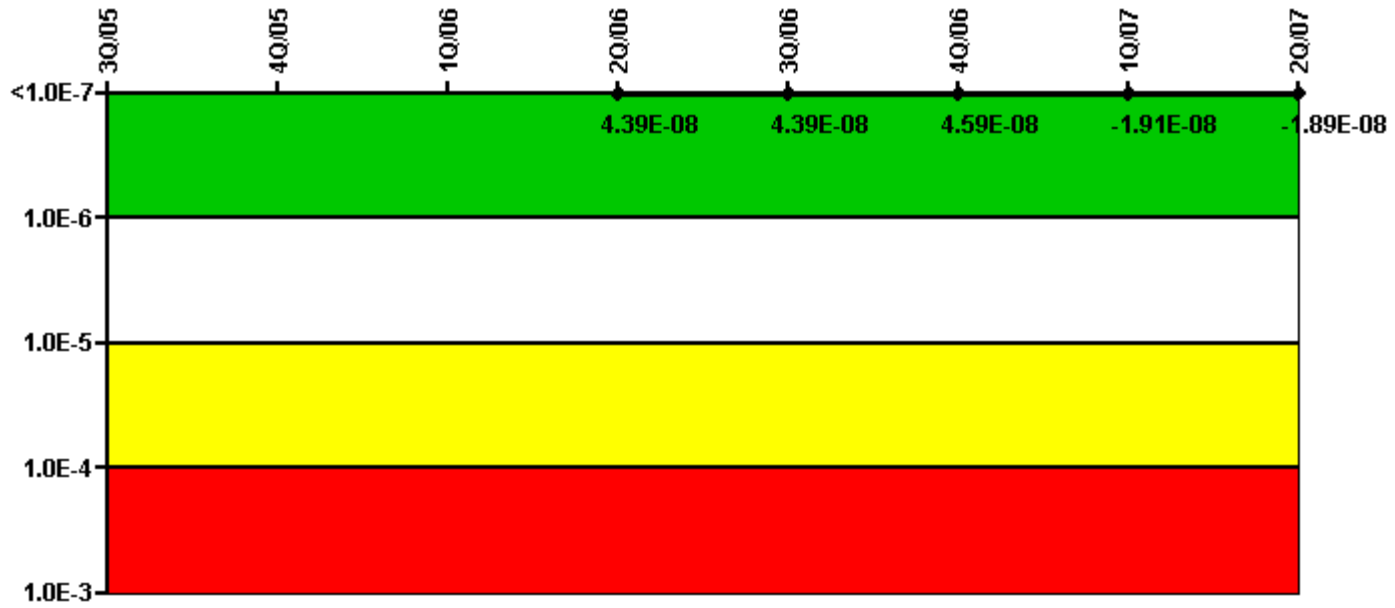
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)				7.80E-09	1.00E-08	8.50E-09	8.00E-09	1.00E-08
URI (ΔCDF)				-7.40E-09	-7.40E-09	-7.40E-09	-7.70E-09	-7.50E-09
PLE				NO	NO	NO	NO	NO
Indicator value				4.00E-10	2.60E-09	1.10E-09	3.00E-10	2.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



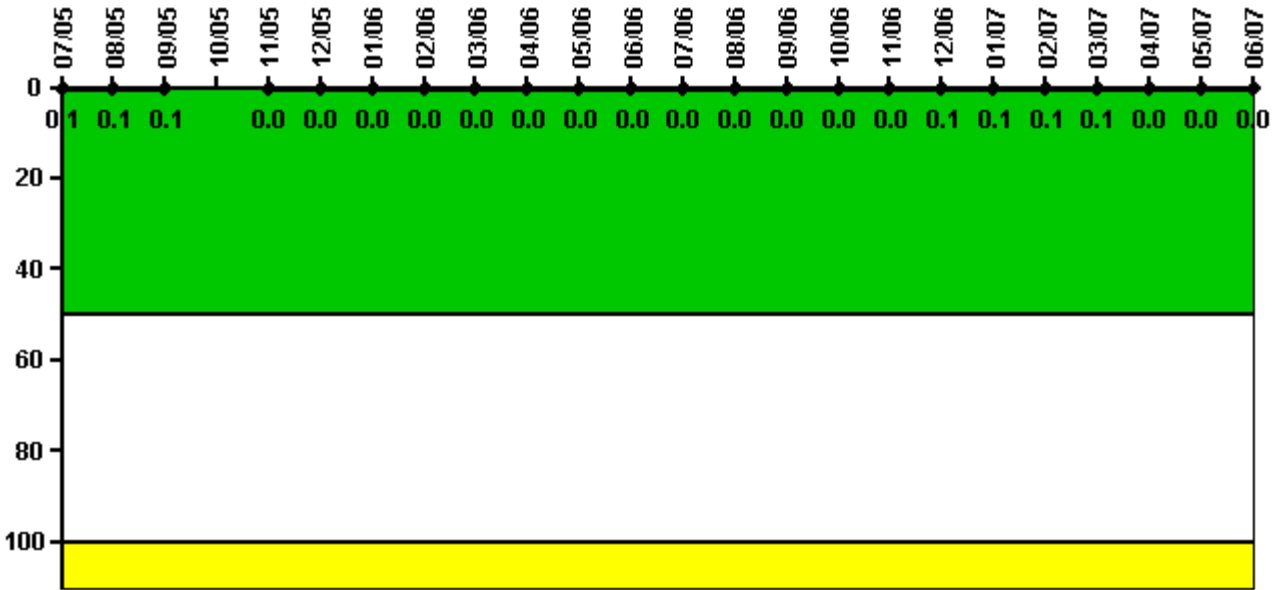
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)				8.60E-10	8.60E-10	8.60E-10	9.00E-10	1.10E-09
URI (ΔCDF)				4.30E-08	4.30E-08	4.50E-08	-2.00E-08	-2.00E-08
PLE				NO	NO	NO	NO	NO
Indicator value				4.39E-08	4.39E-08	4.59E-08	-1.91E-08	-1.89E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

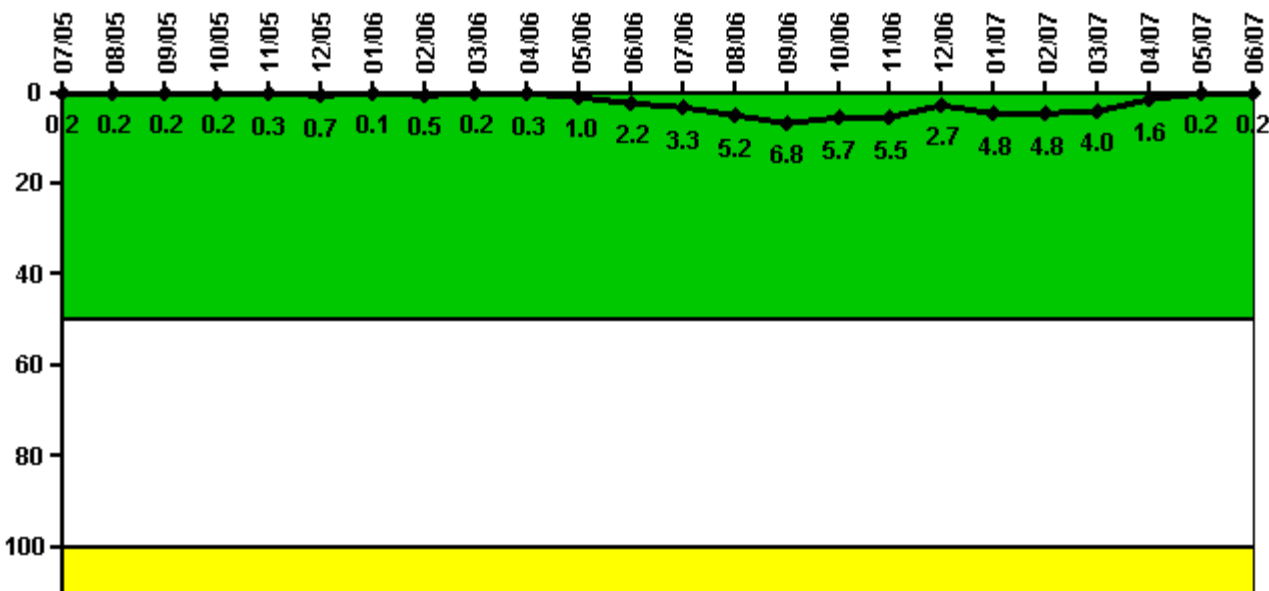
Notes

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	0.000690	0.000669	0.001060	N/A	0.000262	0.000308	0.000274	0.000412	0.000329	0.000353	0.000357	0.000364
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	0.1	0.1	N/A	0	0	0	0	0	0	0	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	0.000359	0.000386	0.000431	0.000457	0.000487	0.000540	0.000541	0.000548	0.000797	0.000183	0.000284	0.000294
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	0.1	0.1	0.1	0.1	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



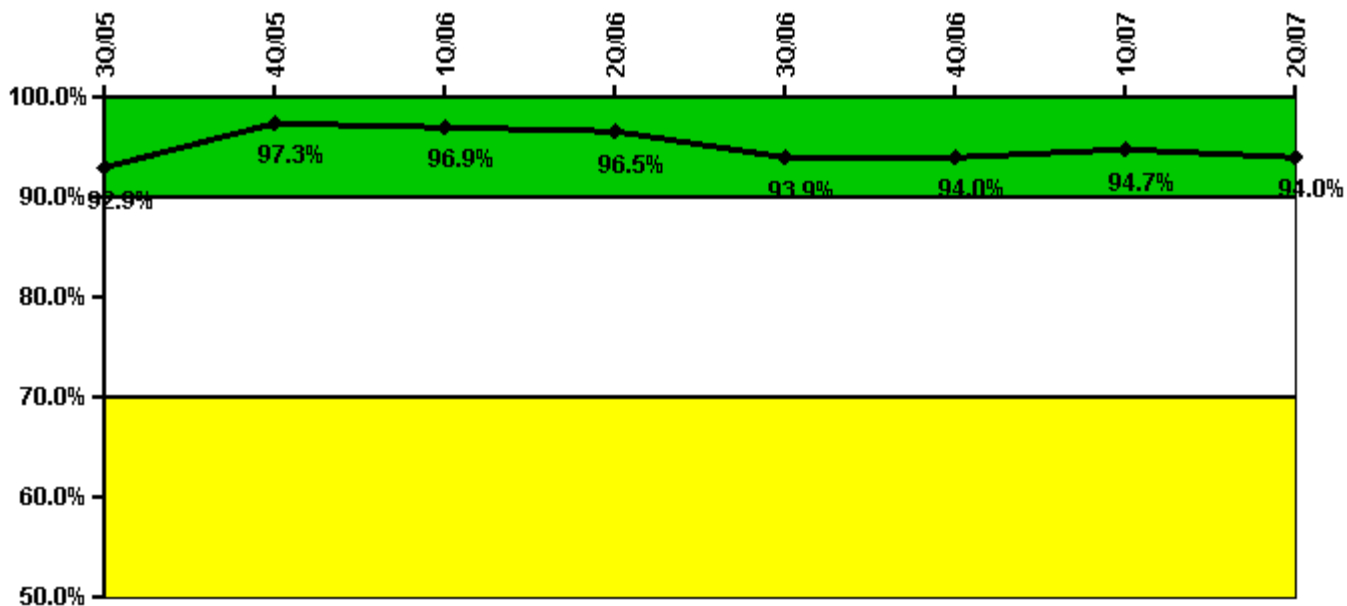
Thresholds: White > 50.0 Yellow > 100.0

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	0.015	0.017	0.016	0.020	0.026	0.073	0.011	0.046	0.021	0.033	0.102	0.216
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	0.2	0.2	0.2	0.3	0.7	0.1	0.5	0.2	0.3	1.0	2.2
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	0.330	0.520	0.675	0.571	0.550	0.269	0.483	0.477	0.402	0.157	0.018	0.019
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	3.3	5.2	6.8	5.7	5.5	2.7	4.8	4.8	4.0	1.6	0.2	0.2

Licensee Comments: none

Drill/Exercise Performance



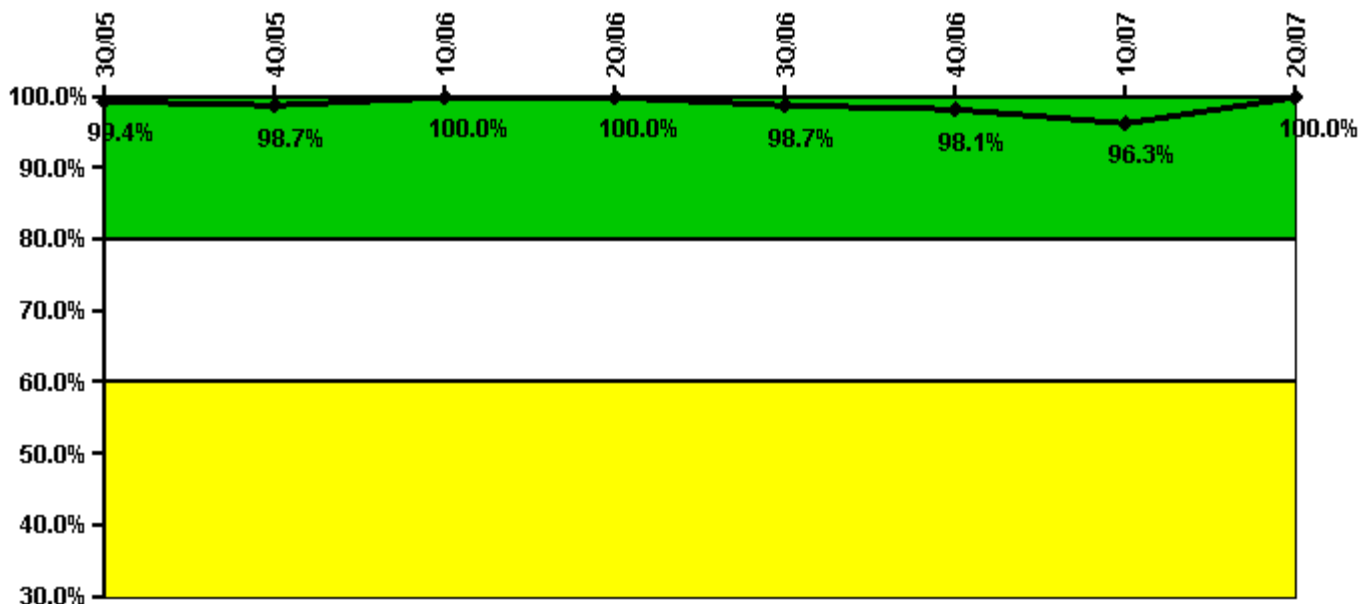
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	6.0	35.0	29.0	17.0	21.0	59.0	46.0	22.0
Total opportunities	6.0	35.0	31.0	18.0	29.0	62.0	47.0	22.0
Indicator value	92.9%	97.3%	96.9%	96.5%	93.9%	94.0%	94.7%	94.0%

Licensee Comments: none

ERO Drill Participation



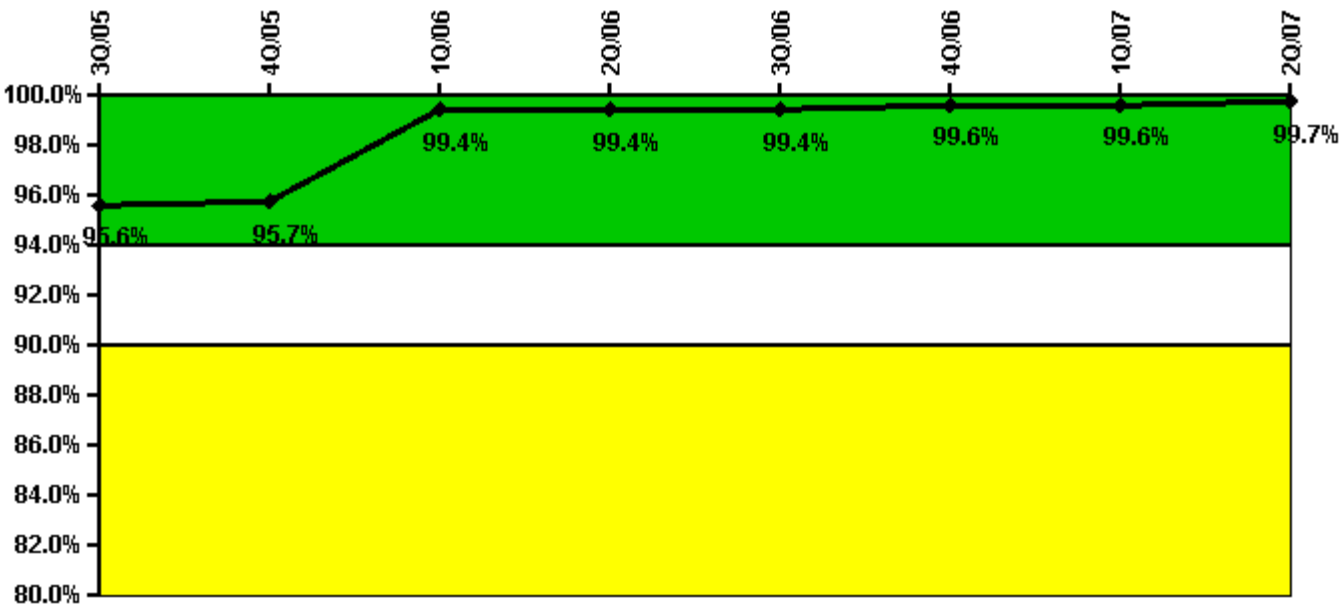
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	164.0	156.0	159.0	158.0	154.0	152.0	155.0	156.0
Total Key personnel	165.0	158.0	159.0	158.0	156.0	155.0	161.0	156.0
Indicator value	99.4%	98.7%	100.0%	100.0%	98.7%	98.1%	96.3%	100.0%

Licensee Comments: none

Alert & Notification System



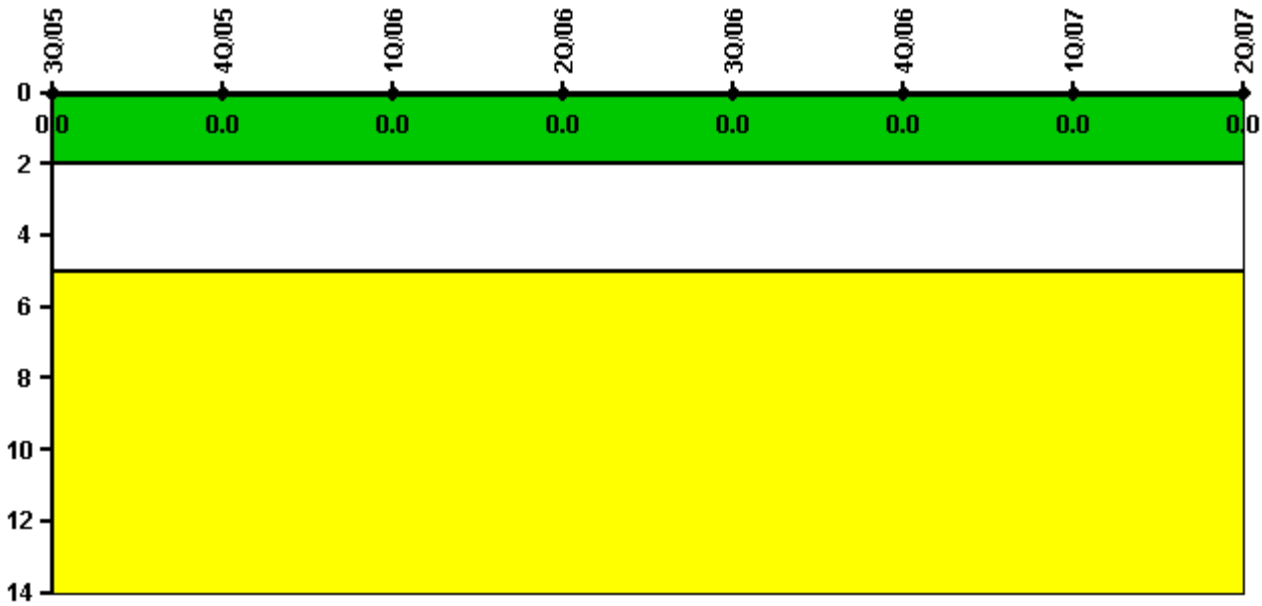
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	465	470	476	472	473	475	476	475
Total sirens-tests	469	474	476	476	476	476	476	476
Indicator value	95.6%	95.7%	99.4%	99.4%	99.4%	99.6%	99.6%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



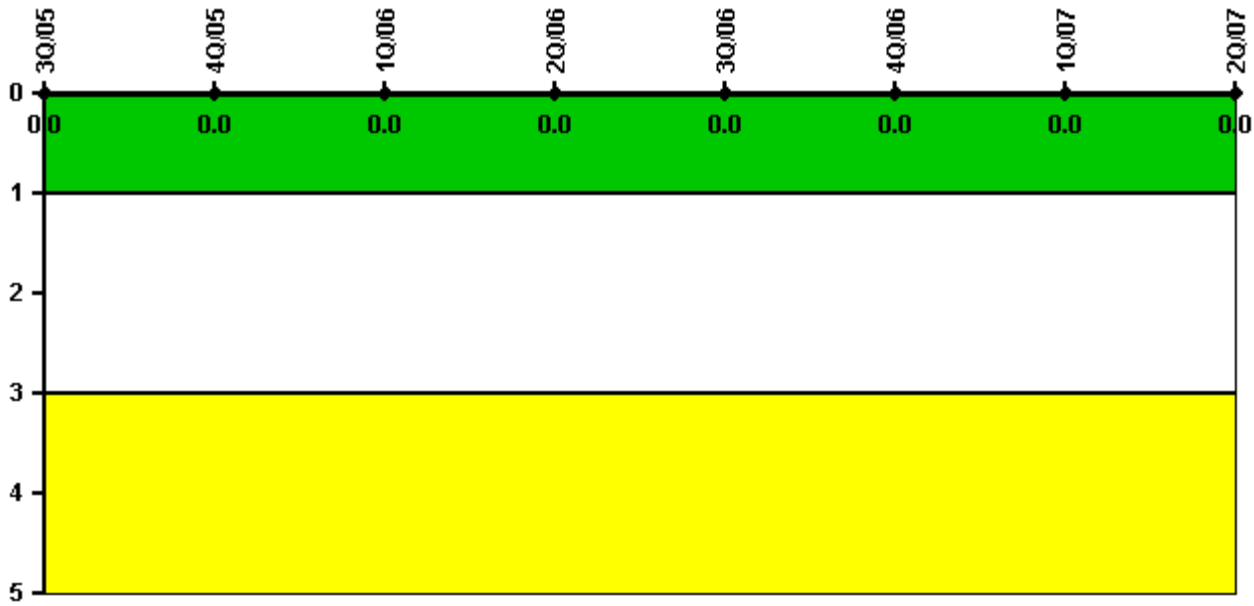
Thresholds: White > 2.0 Yellow > 5.0

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