

Brunswick 2

3Q/2006 Performance Indicators

Licensee's General Comments: Indicator values for Q2/2006 are different from previous submittal. See individual indicators for comments and Q3/2006 File submitted.

Unplanned Scrams per 7000 Critical Hrs



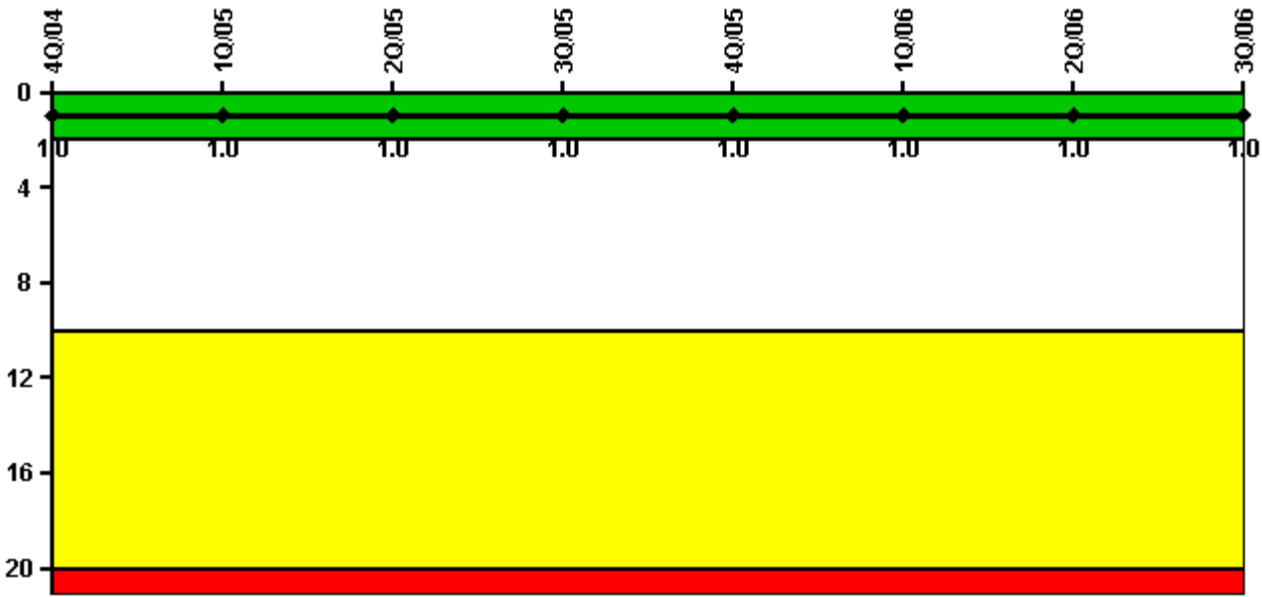
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1510.0	2026.2	2064.8	2209.0	2160.0	1967.0	2208.0
Indicator value	0	0	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



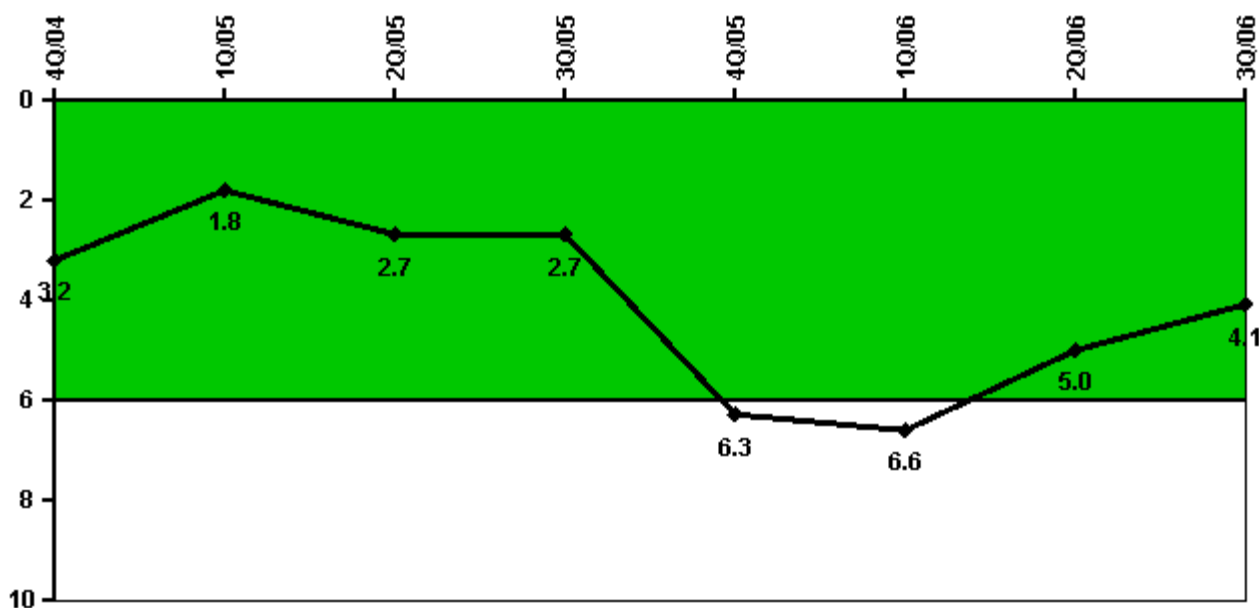
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



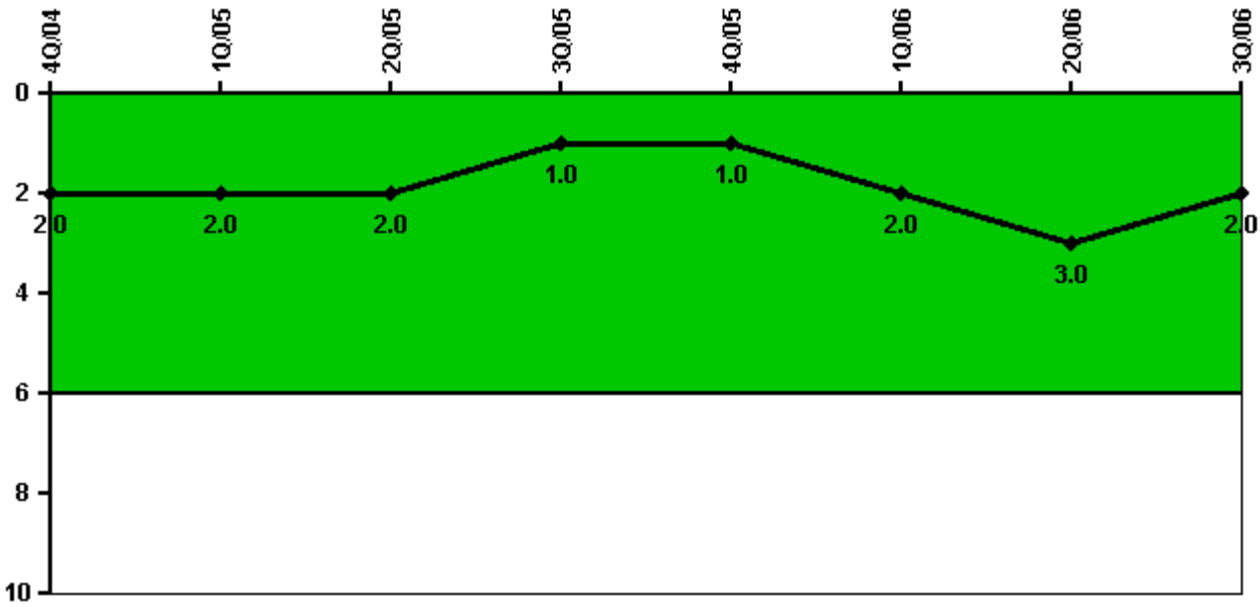
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	0	2.0	1.0	4.0	1.0	0	0
Critical hours	2209.0	1510.0	2026.2	2064.8	2209.0	2160.0	1967.0	2208.0
Indicator value	3.2	1.8	2.7	2.7	6.3	6.6	5.0	4.1

Licensee Comments: none

Safety System Functional Failures (BWR)



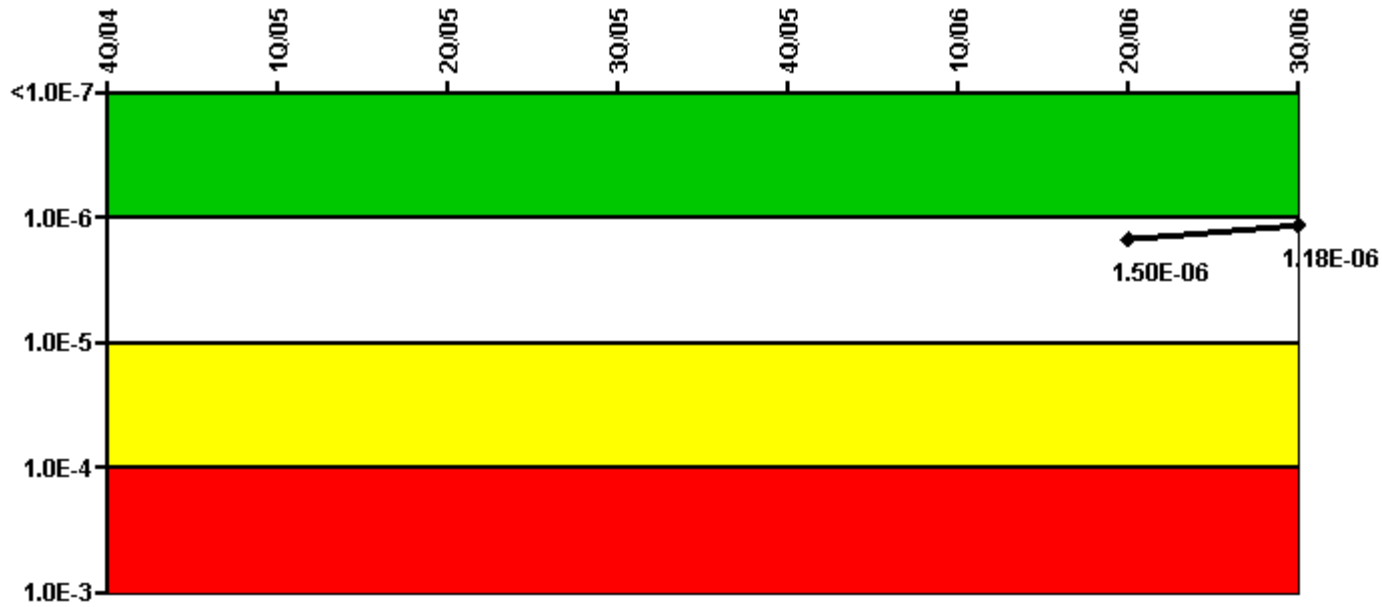
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	1	0	1	1	0
Indicator value	2	2	2	1	1	2	3	2

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

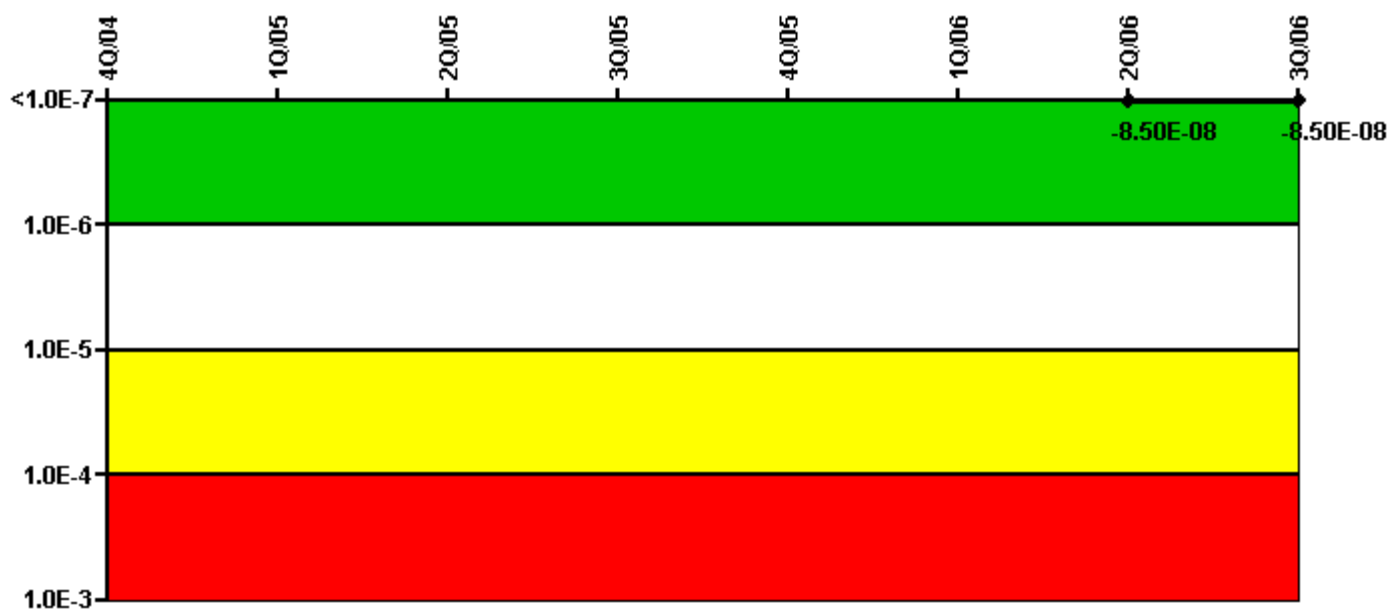
Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							1.00E-07	7.80E-08
URI (ΔCDF)							1.40E-06	1.10E-06
PLE							NO	NO
Indicator value							1.50E-06	1.18E-06

Licensee Comments:

3Q/06: Risk Cap Invoked. MS06: White threshold exceeded due to increased unreliability factor of Emergency Diesel Generators (EDGs). Six MSPI failures between the four DGs during the previous 36 months. Due to unique system configuration, failure on any one of four EDGs is counted against both Units. Revision to previously submitted data: Changed two MSPI failures from Start Demands to Load Run Demands, #1164 on 06/06/2004 and #1215 on 11/10/2004. Revised the Estimated Start and Load Run Demands in baseline. Indicator color unaffected. Change File created.

2Q/06: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



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

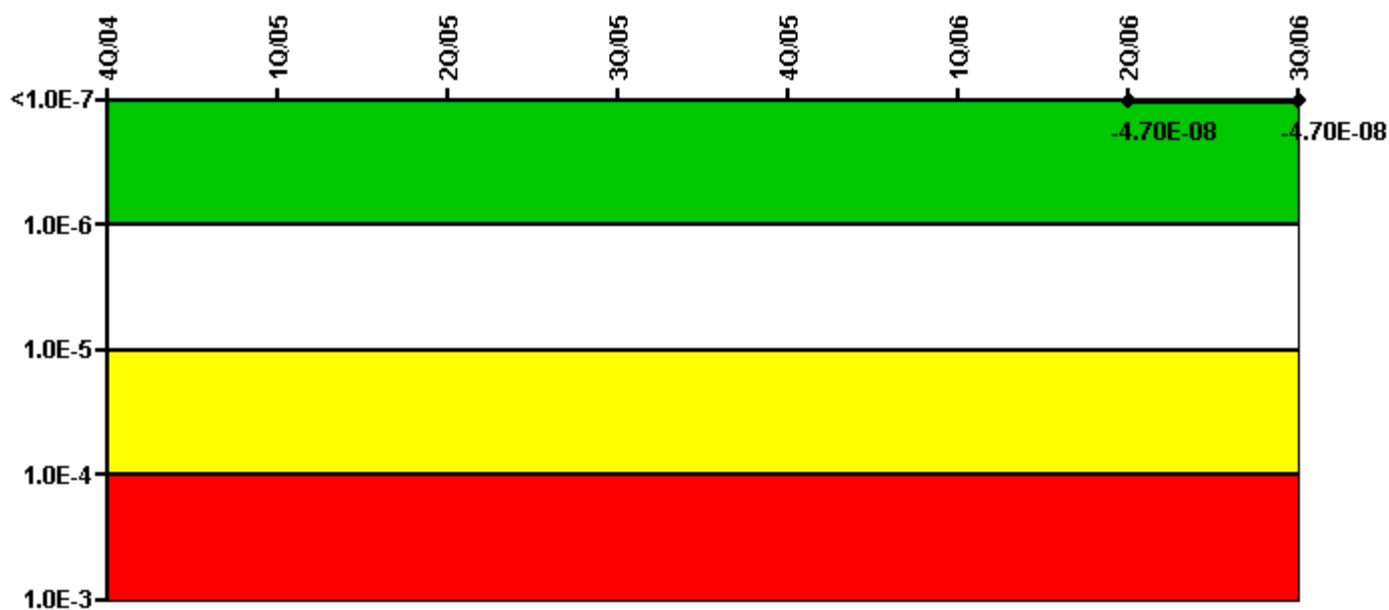
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							-1.80E-08	-1.80E-08
URI (Δ CDF)							-6.70E-08	-6.70E-08
PLE							NO	NO
Indicator value							-8.50E-08	-8.50E-08

Licensee Comments:

3Q/06: Revision to previously submitted data: Changed Failure #1283 on 04/07/2005 to NO for MSPI failure. Indicator color unaffected. Change File created.

Mitigating Systems Performance Index, Heat Removal System



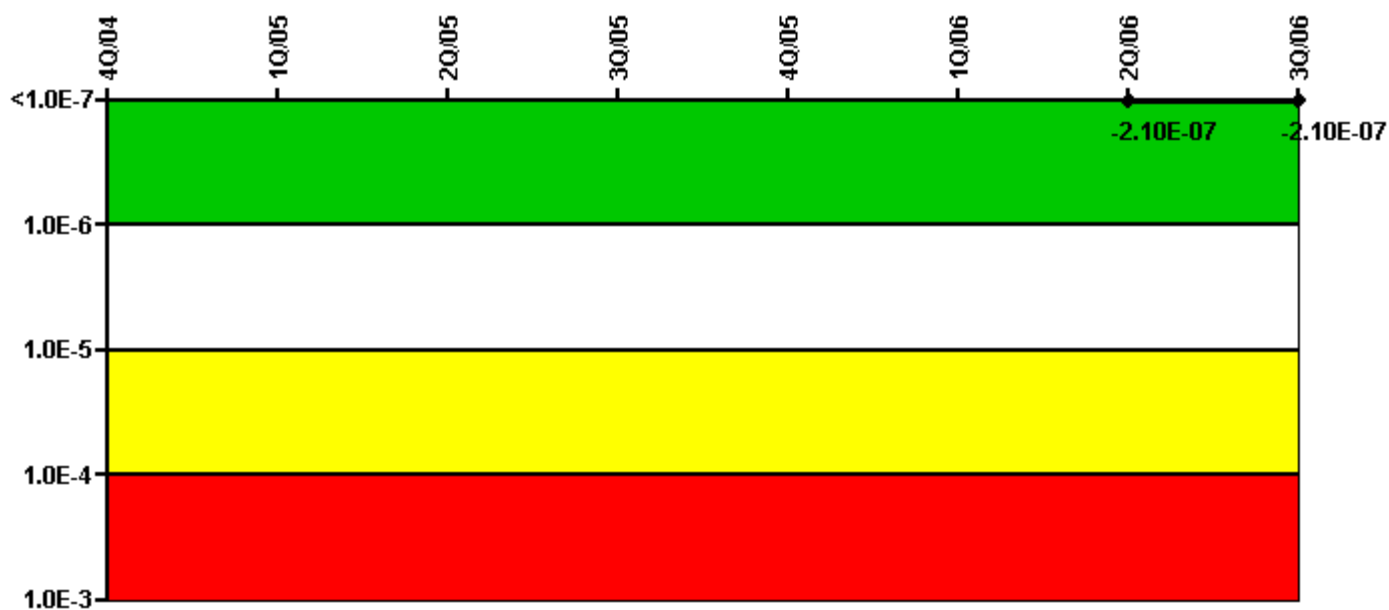
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							-1.20E-08	-1.20E-08
URI (Δ CDF)							-3.50E-08	-3.50E-08
PLE							NO	NO
Indicator value							-4.70E-08	-4.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



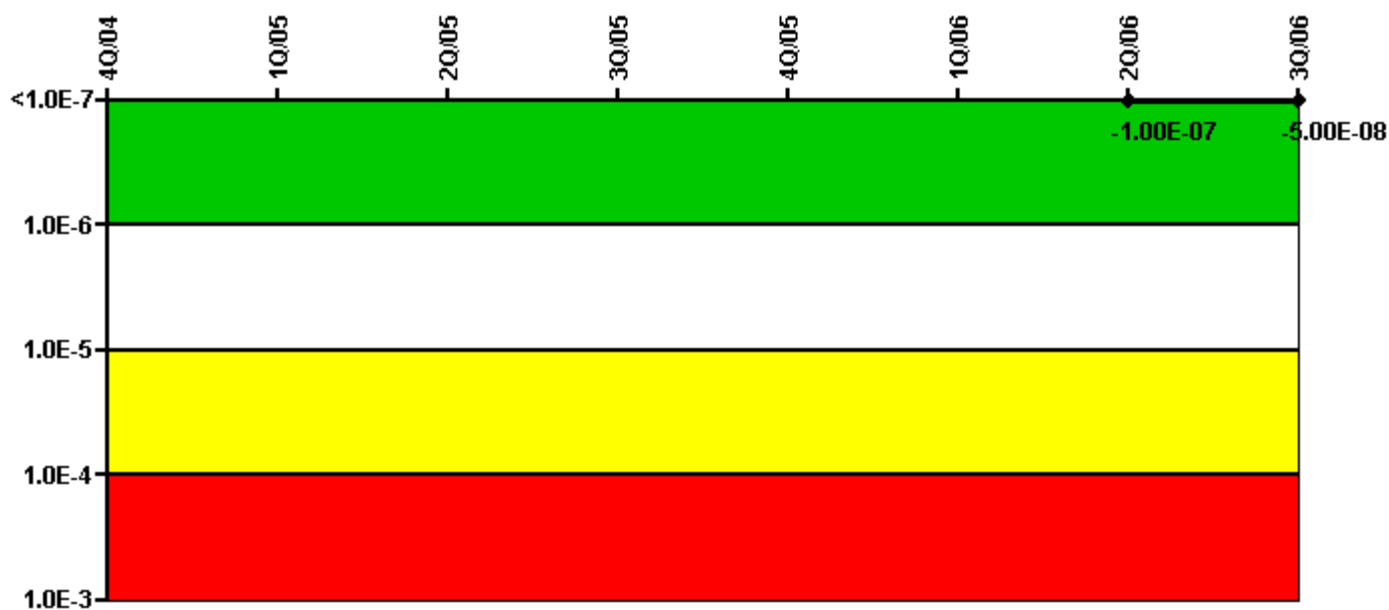
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							-1.10E-07	-1.10E-07
URI (Δ CDF)							-1.00E-07	-1.00E-07
PLE							NO	NO
Indicator value							-2.10E-07	-2.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



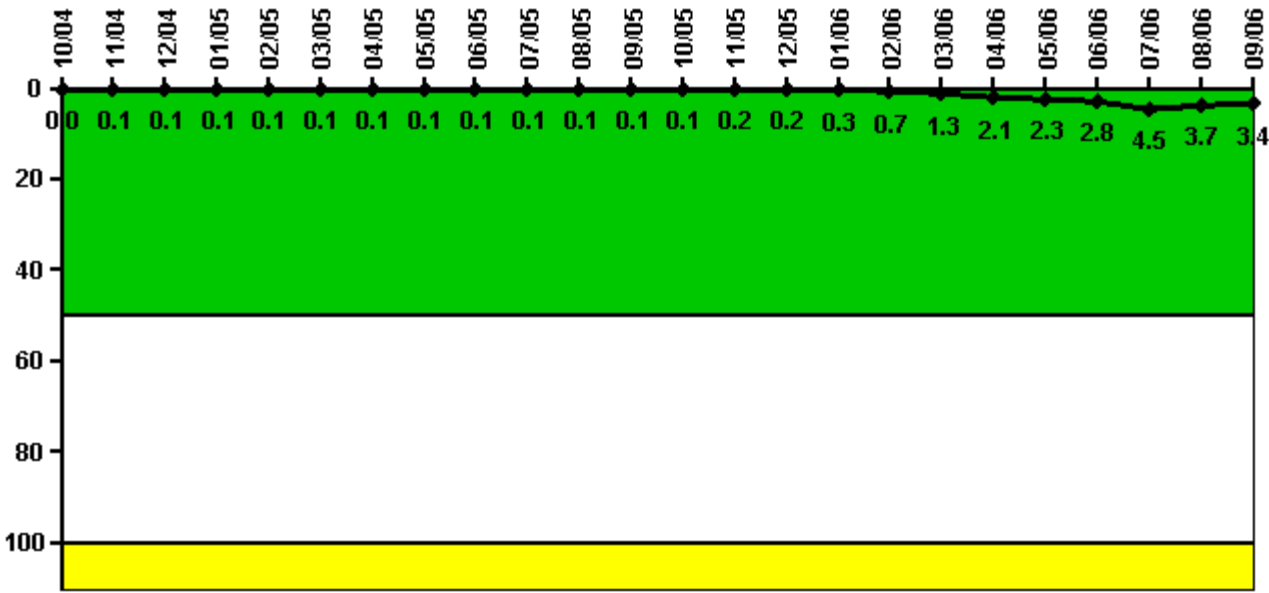
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							2.20E-07	2.60E-07
URI (ΔCDF)							-3.20E-07	-3.10E-07
PLE							NO	NO
Indicator value							-1.00E-07	-5.00E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

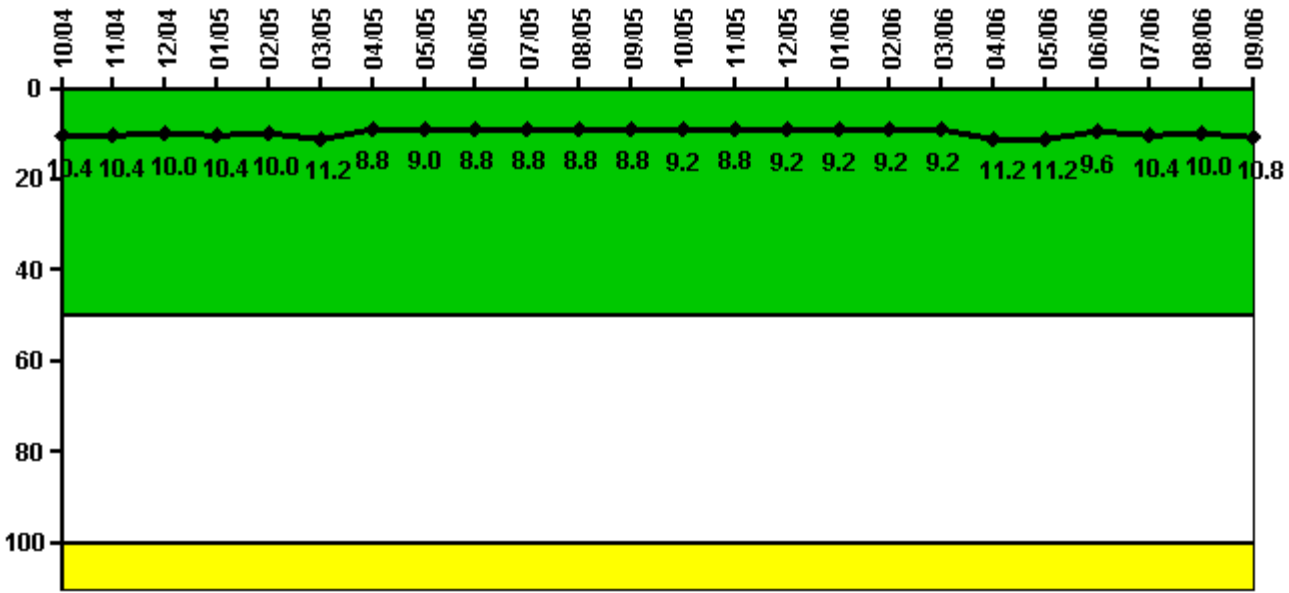
Notes

Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.000082	0.000123	0.000125	0.000175	0.000175	0.000153	0.000139	0.000119	0.000276	0.000175	0.000274	0.000263
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.000241	0.000379	0.000446	0.000655	0.001461	0.002587	0.004269	0.004553	0.005525	0.008971	0.007350	0.006814
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.2	0.2	0.3	0.7	1.3	2.1	2.3	2.8	4.5	3.7	3.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

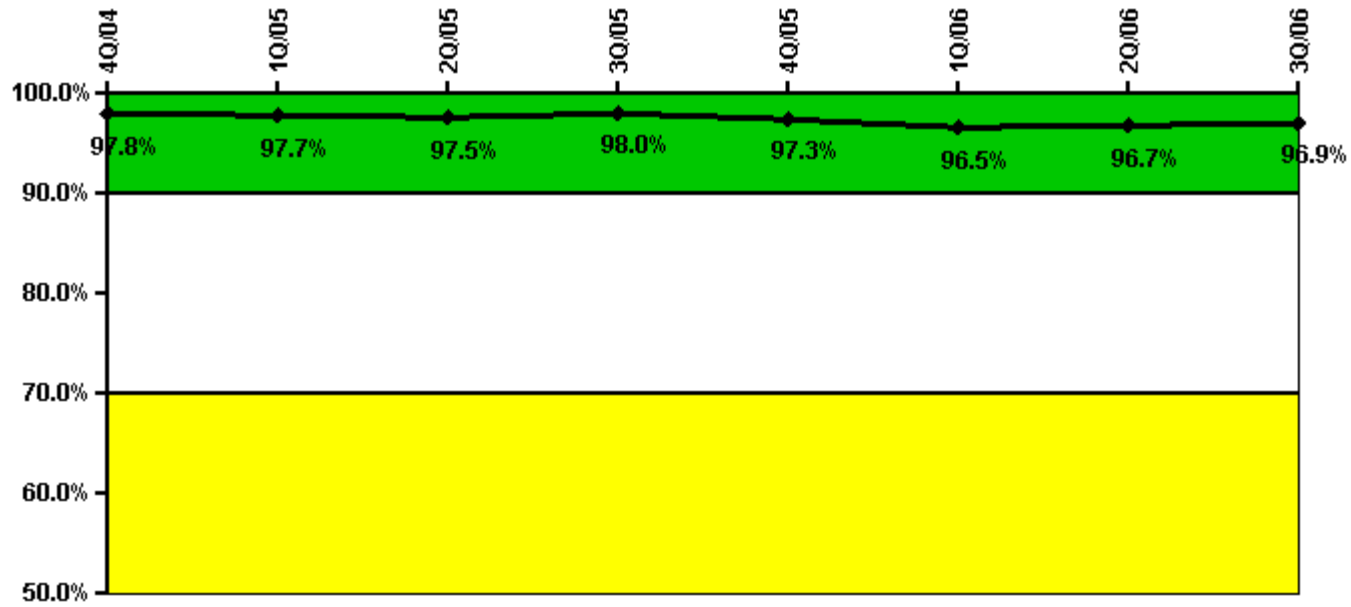
Notes

Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	2.600	2.600	2.500	2.600	2.500	2.800	2.200	2.250	2.200	2.200	2.200	2.200
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	10.4	10.4	10.0	10.4	10.0	11.2	8.8	9.0	8.8	8.8	8.8	8.8

Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	2.300	2.200	2.300	2.300	2.300	2.300	2.800	2.800	2.400	2.600	2.500	2.700
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	9.2	8.8	9.2	9.2	9.2	9.2	11.2	11.2	9.6	10.4	10.0	10.8

Licensee Comments: none

Drill/Exercise Performance



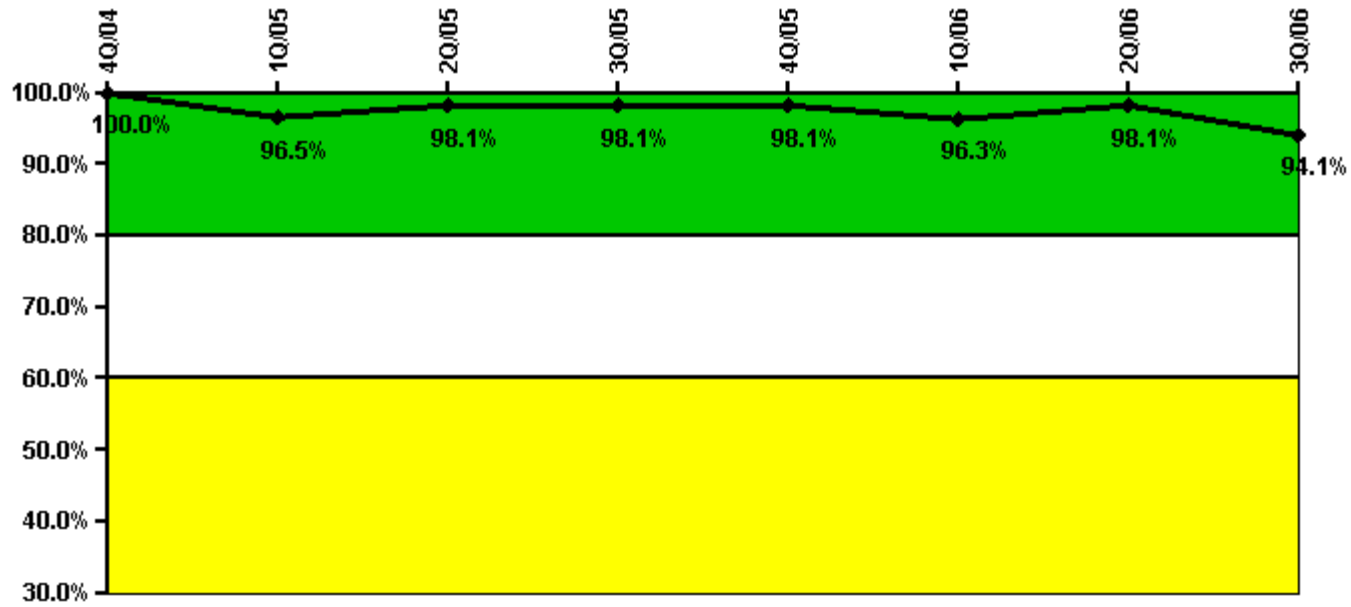
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	20.0	0	34.0	28.0	7.0	20.0	10.0	7.0
Total opportunities	20.0	0	35.0	28.0	8.0	22.0	10.0	7.0
Indicator value	97.8%	97.7%	97.5%	98.0%	97.3%	96.5%	96.7%	96.9%

Licensee Comments: none

ERO Drill Participation



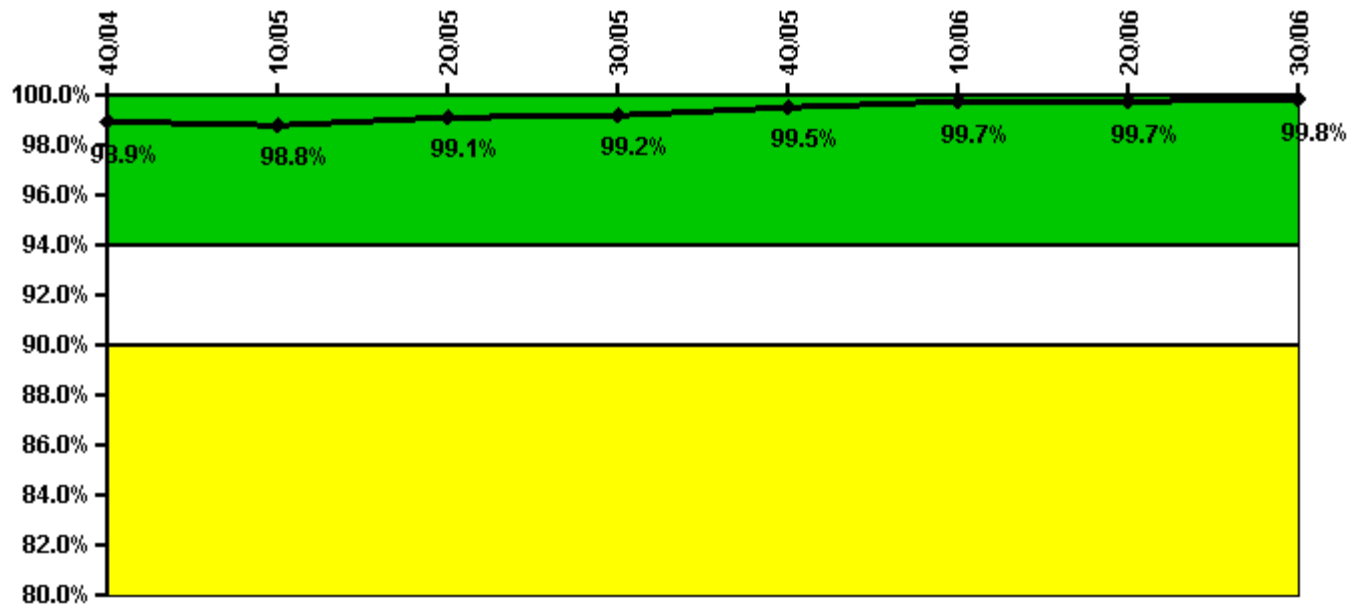
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	81.0	110.0	106.0	102.0	104.0	103.0	104.0	95.0
Total Key personnel	81.0	114.0	108.0	104.0	106.0	107.0	106.0	101.0
Indicator value	100.0%	96.5%	98.1%	98.1%	98.1%	96.3%	98.1%	94.1%

Licensee Comments: none

Alert & Notification System



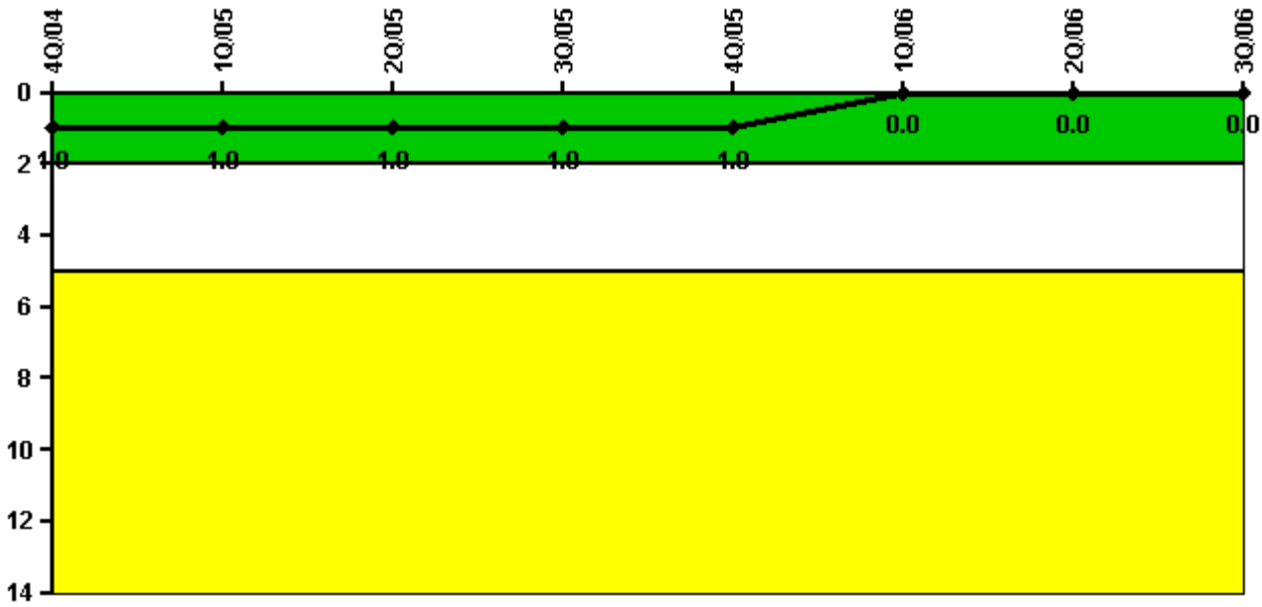
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	534	497	503	502	539	502	503	504
Total sirens-tests	540	504	504	504	540	504	504	504
Indicator value	98.9%	98.8%	99.1%	99.2%	99.5%	99.7%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



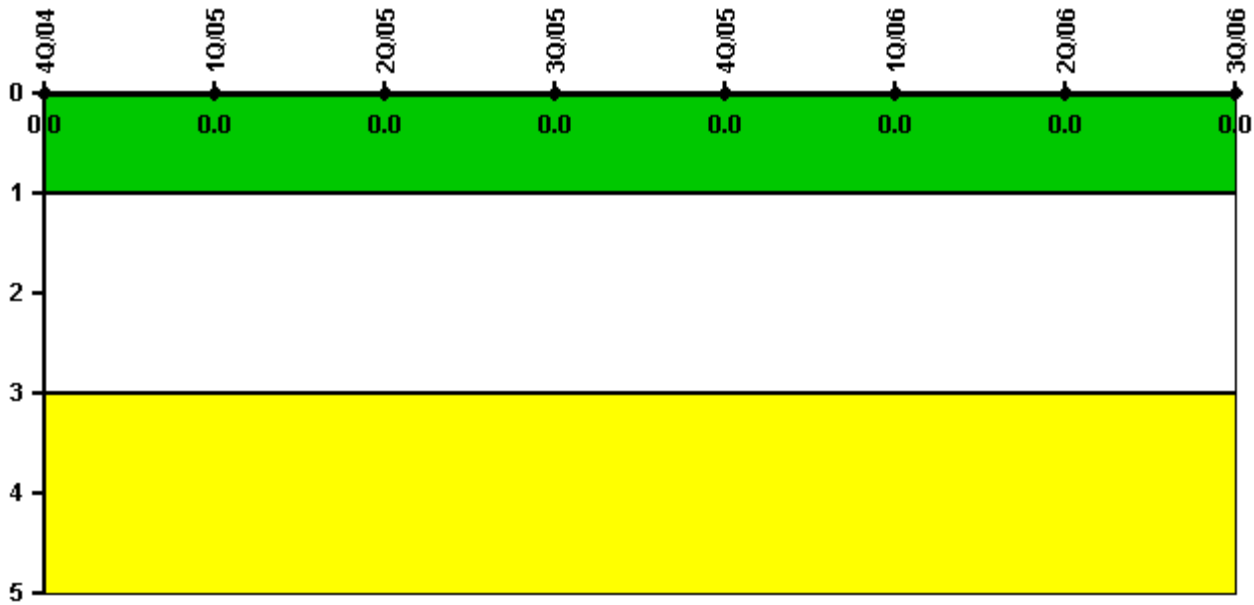
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
High radiation area occurrences	0	1	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	1	1	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/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.