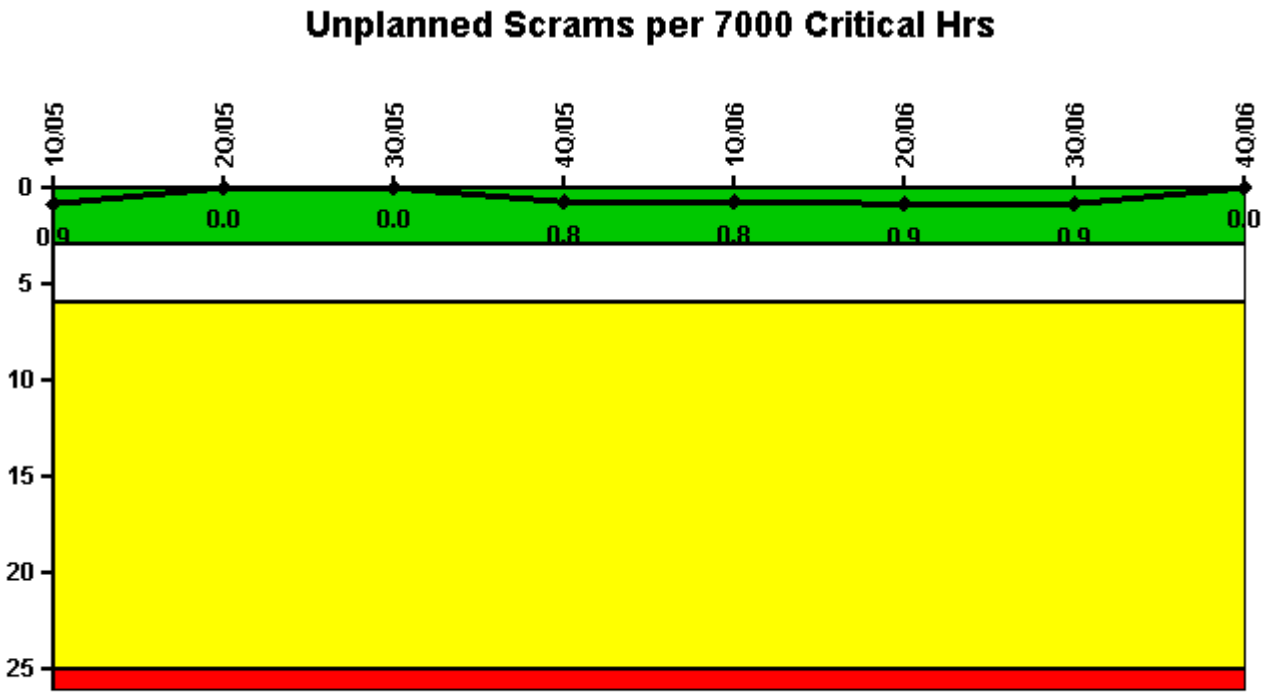
D.C. Cook 2

4Q/2006 Performance Indicators

Licensee's General Comments: none



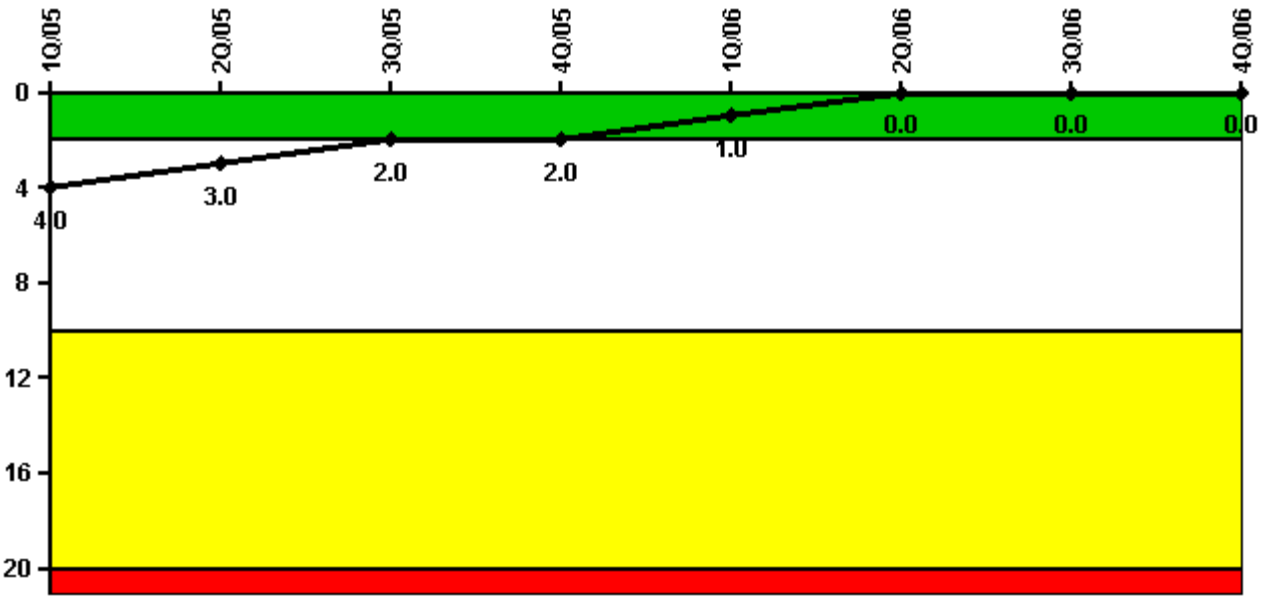
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0
Critical hours	2135.0	2183.0	2179.0	2147.6	1992.0	1331.7	2208.0	2209.0
Indicator value	**0.9**	**0**	**0**	**0.8**	**0.8**	**0.9**	**0.9**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



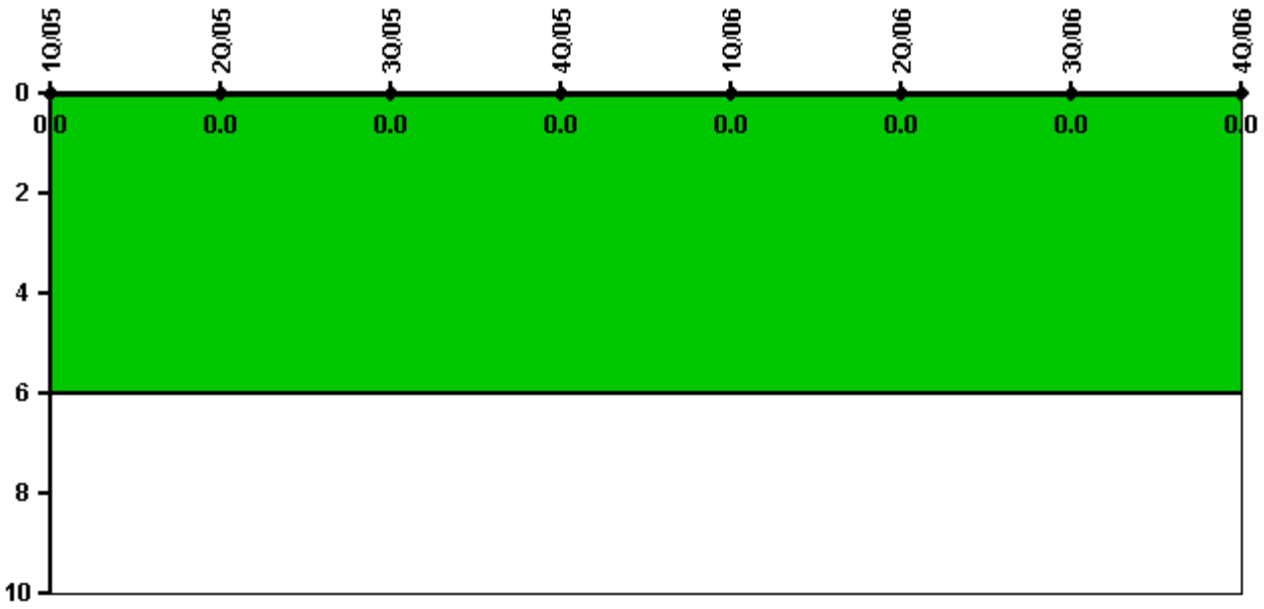
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	**4.0**	**3.0**	**2.0**	**2.0**	**1.0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



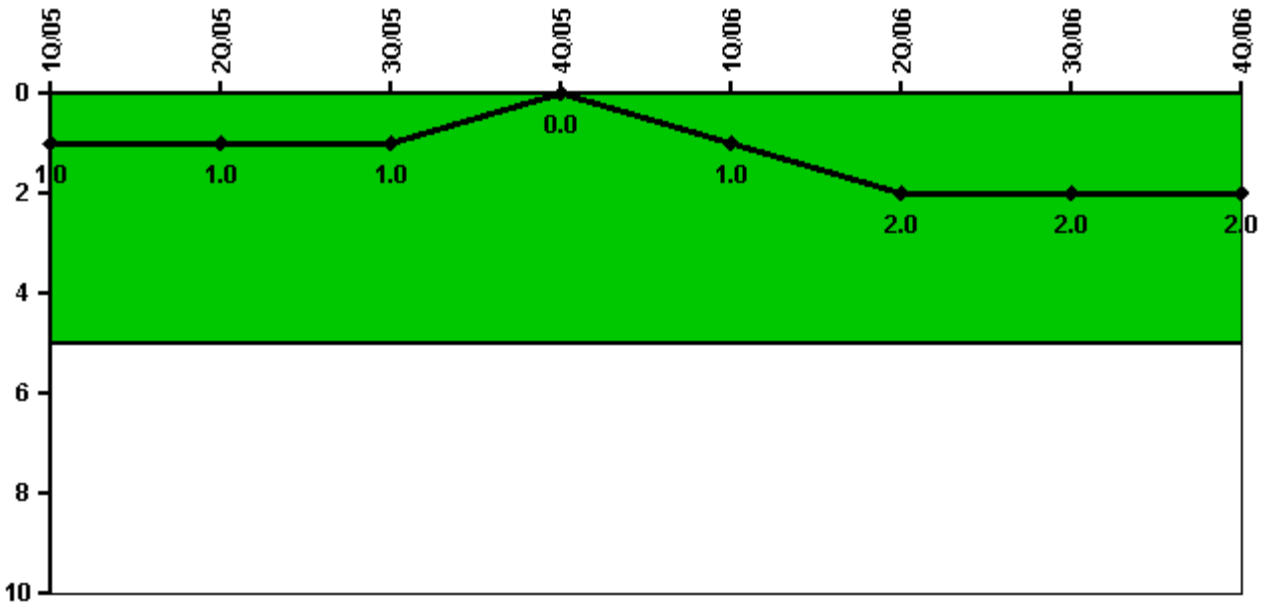
Thresholds: White > 6.0

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	0	0	0	0	0	0
Critical hours	2135.0	2183.0	2179.0	2147.6	1992.0	1331.7	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Functional Failures (PWR)



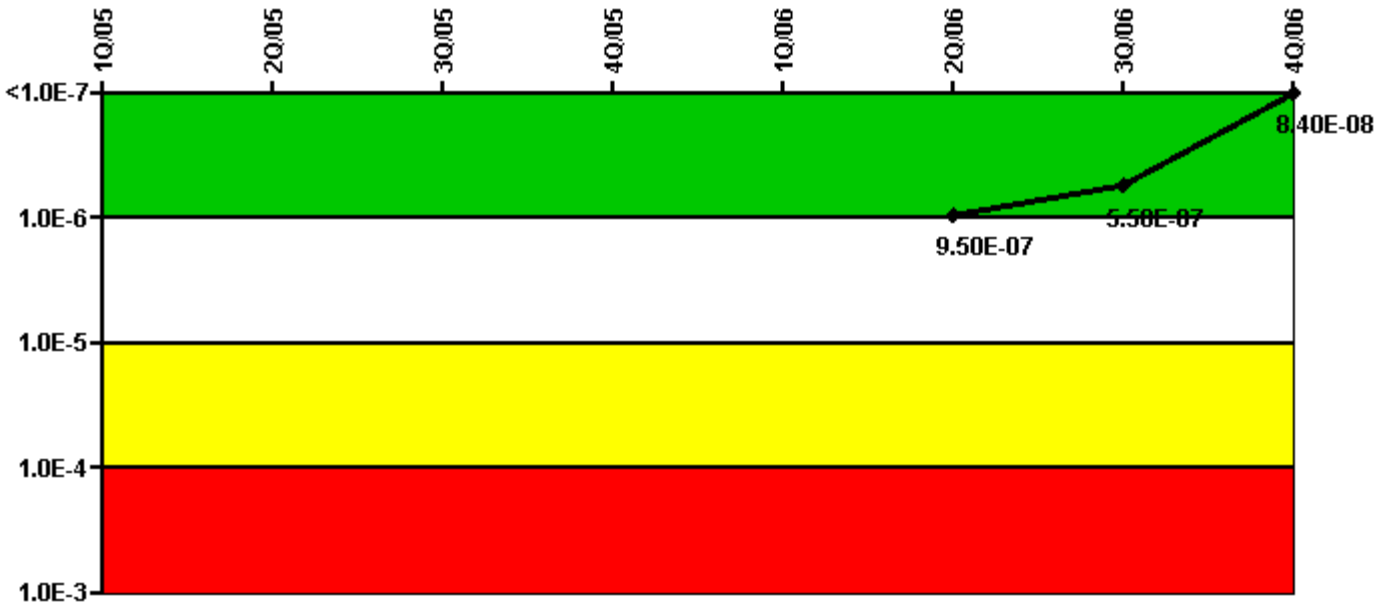
Thresholds: White > 5.0

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	0	0	0	1	1	0	0
Indicator value	**1**	**1**	**1**	**0**	**1**	**2**	**2**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



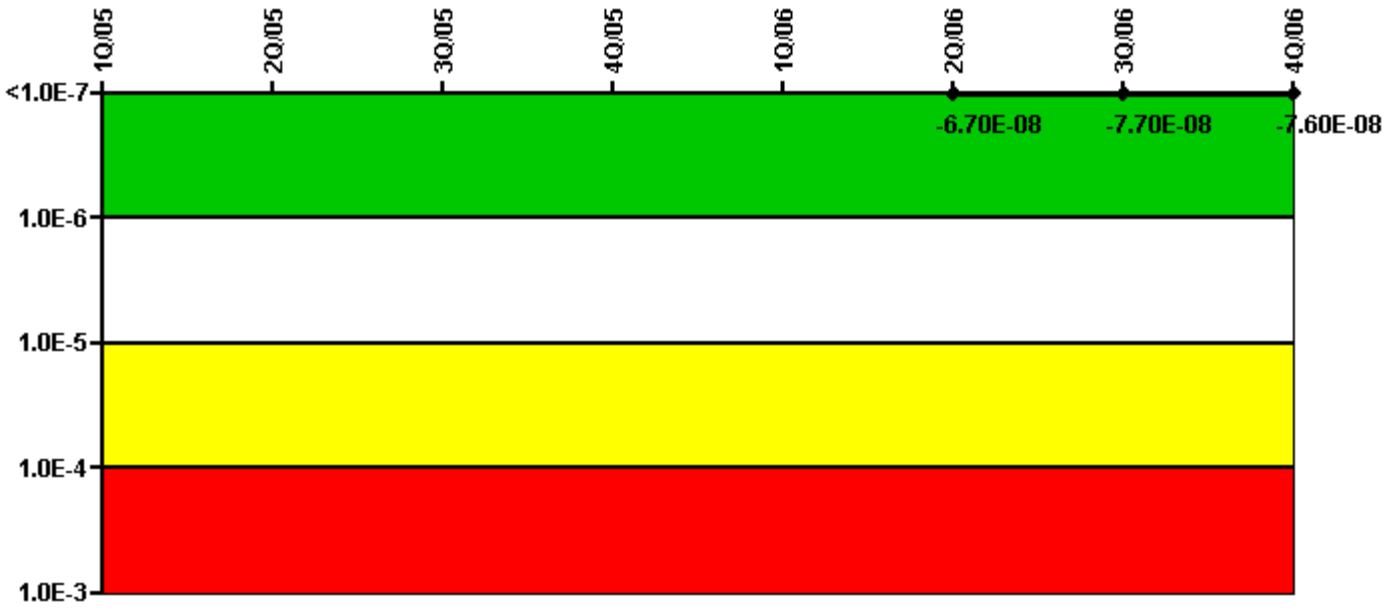
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						1.50E-07	9.80E-08	1.20E-08
URI (ΔCDF)						8.00E-07	4.60E-07	7.20E-08
PLE						NO	NO	NO
Indicator value						**9.50E-07**	**5.58E-07**	**8.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



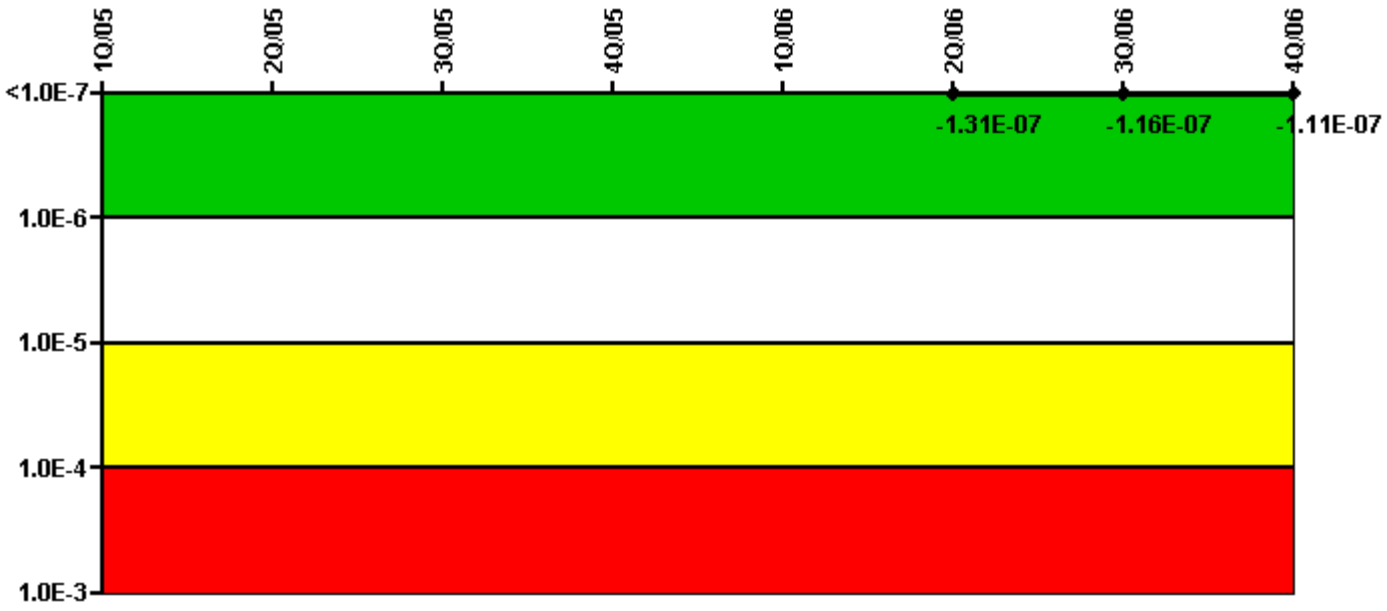
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)						-2.20E-08	-2.90E-08	-3.40E-08
URI (ΔCDF)						-4.50E-08	-4.80E-08	-4.20E-08
PLE						NO	NO	NO
Indicator value						**-6.70E-08**	**-7.70E-08**	**-7.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



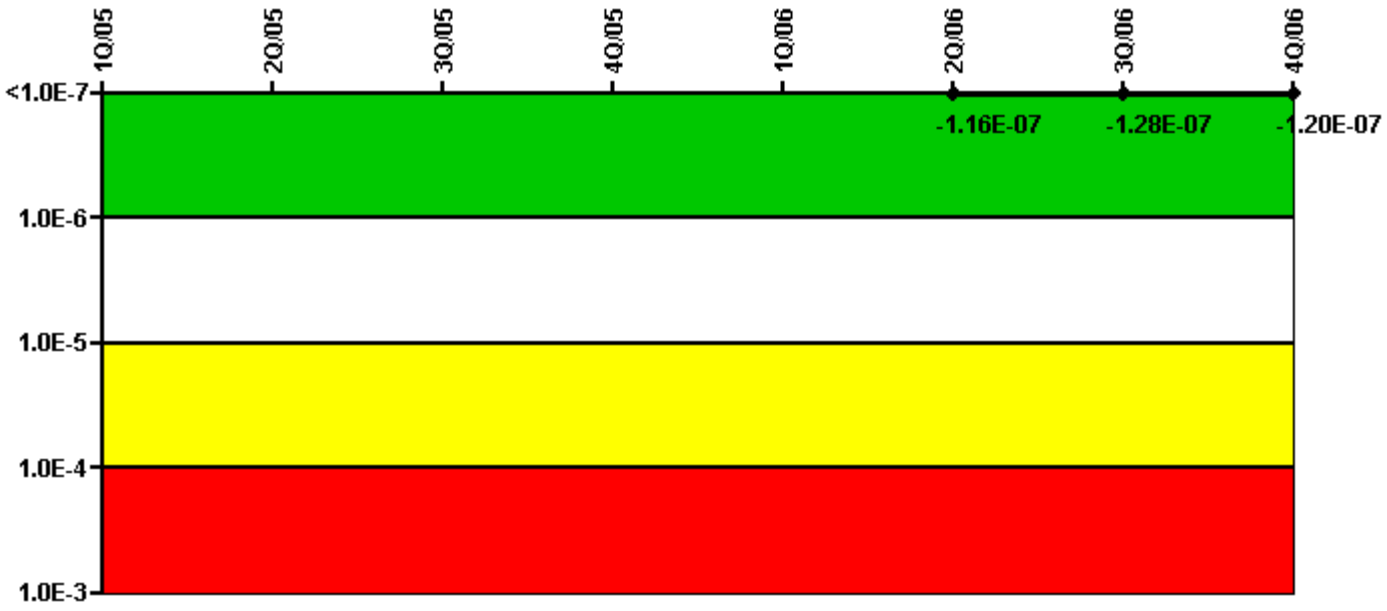
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-4.20E-08	-2.30E-08	-3.00E-08
URI (ΔCDF)						-8.90E-08	-9.30E-08	-8.10E-08
PLE						NO	NO	NO
Indicator value						**-1.31E-07**	**-1.16E-07**	**-1.11E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



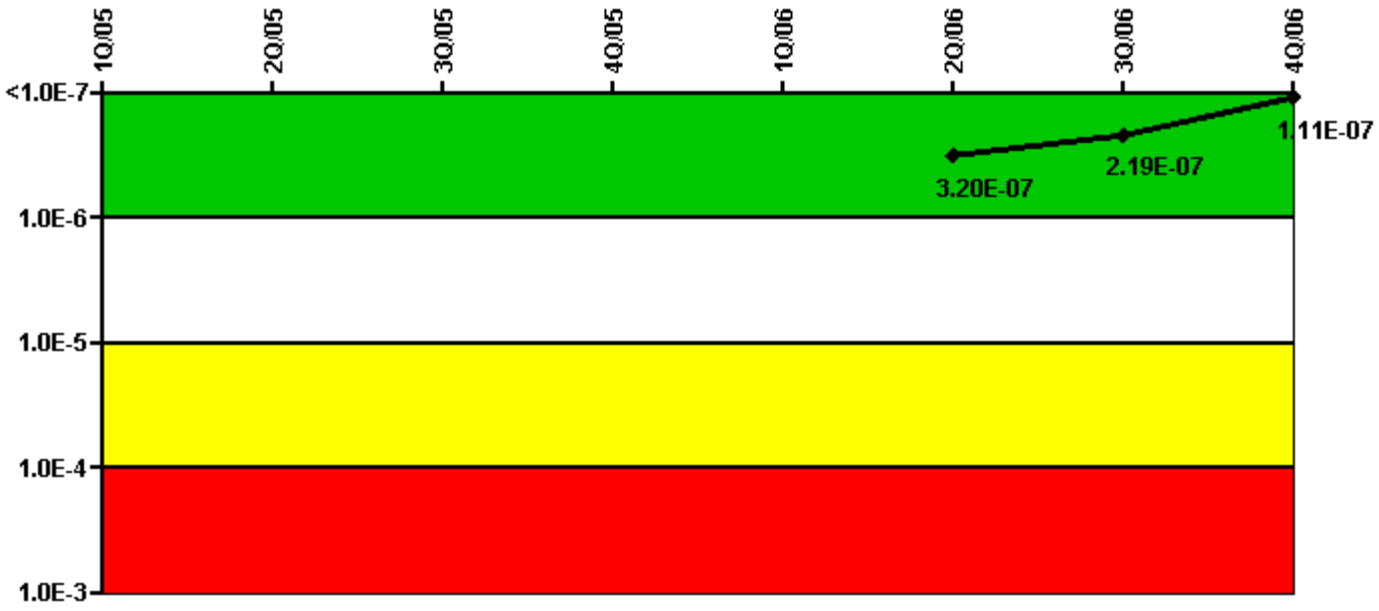
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)						4.20E-09	1.70E-09	-2.40E-10
URI (ΔCDF)						-1.20E-07	-1.30E-07	-1.20E-07
PLE						NO	NO	NO
Indicator value						**-1.16E-07**	**-1.28E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



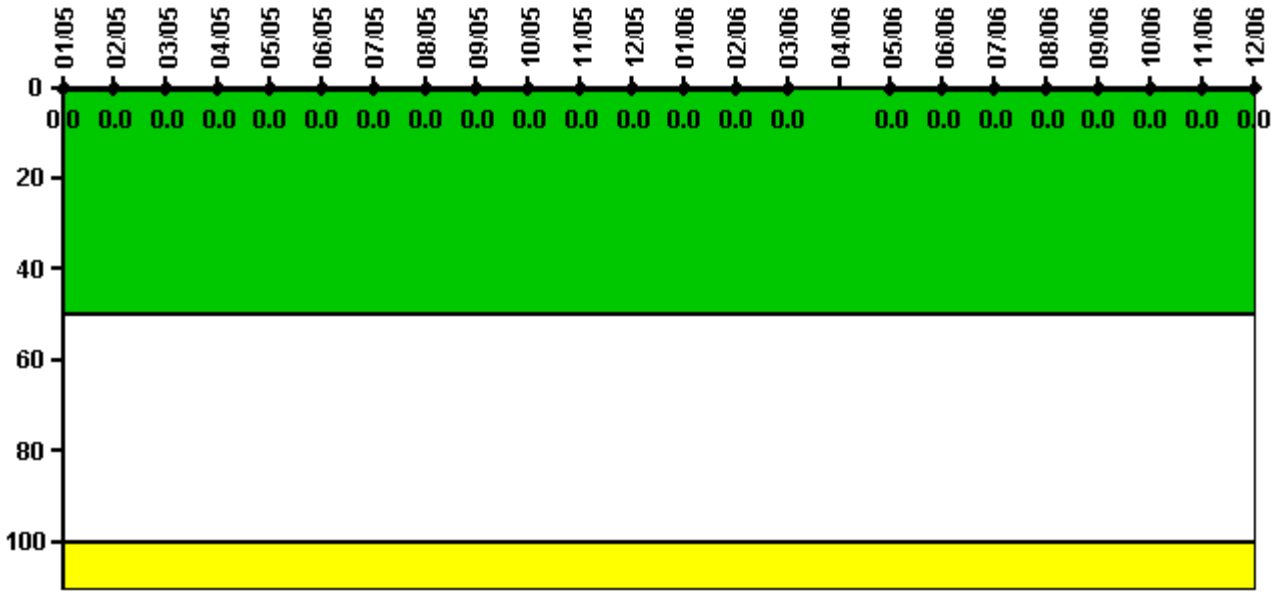
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)						1.60E-07	2.90E-08	-5.90E-08
URI (ΔCDF)						1.60E-07	1.90E-07	1.70E-07
PLE						NO	NO	NO
Indicator value						**3.20E-07**	**2.19E-07**	**1.11E-07**

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

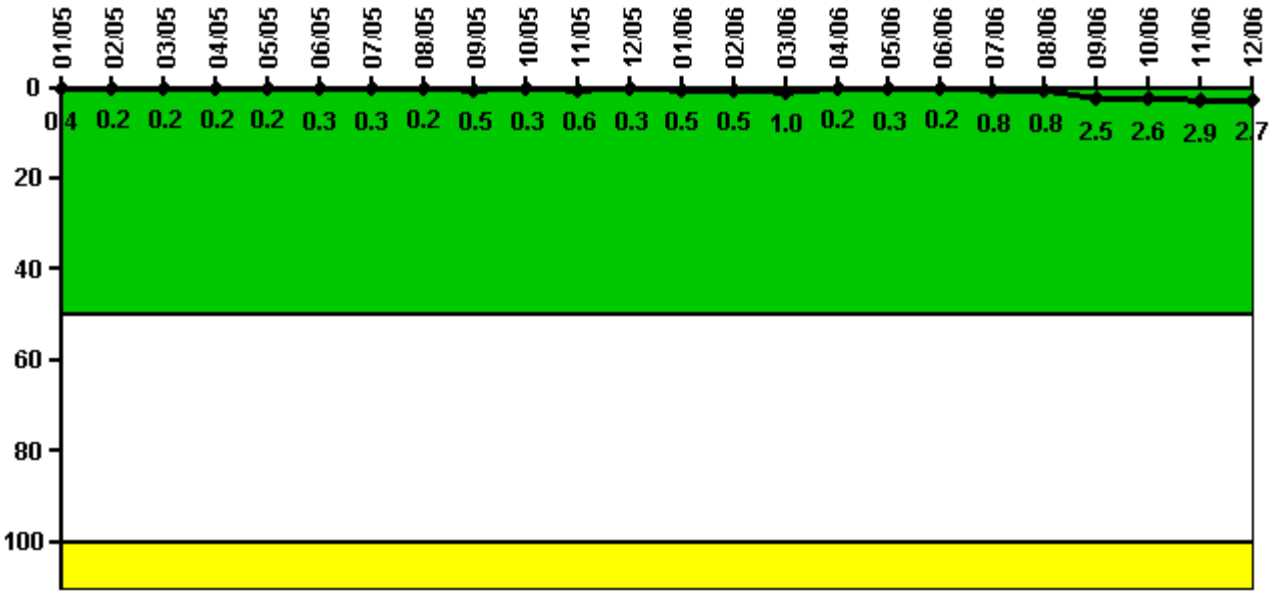
Notes

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	0.000150	0.000378	0.000345	0.000176	0.000198	0.000190	0.000198	0.000202	0.000204	0.000213	0.000224	0.000222
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**	**0**

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	0.000286	0.000292	0.000294	N/A	0.000121	0.000127	0.000132	0.000142	0.000168	0.000191	0.000152	0.000150
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**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

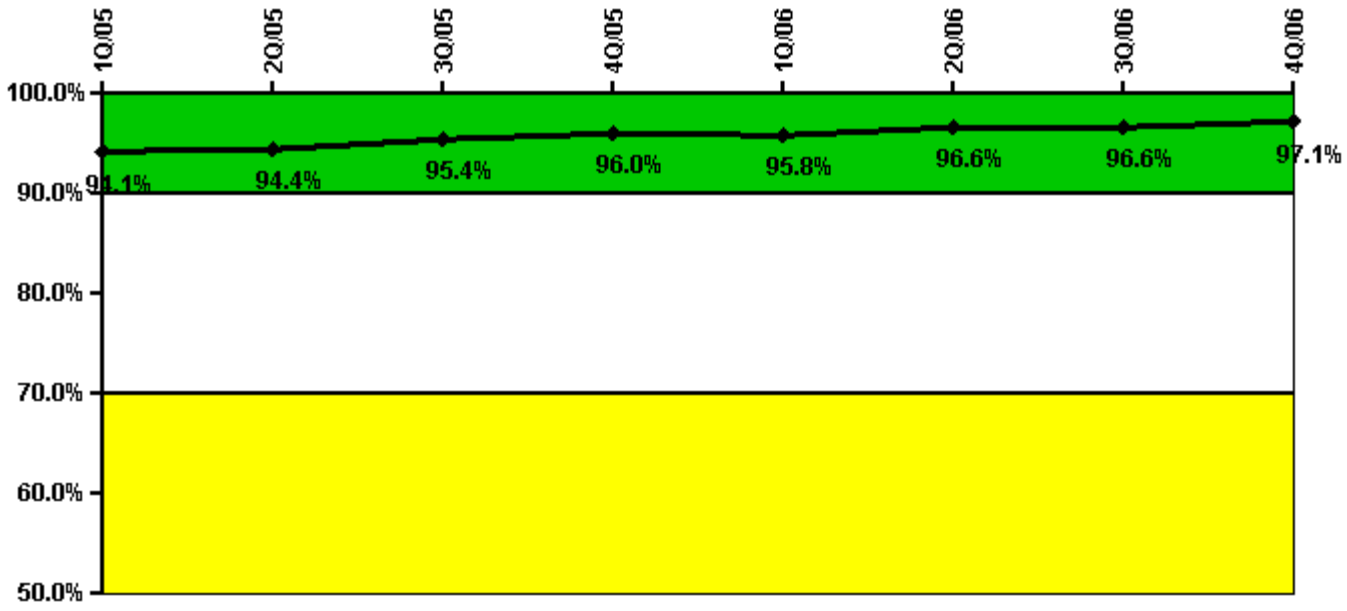
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.039	0.020	0.019	0.020	0.022	0.034	0.029	0.023	0.053	0.031	0.070	0.036
Technical specification limit	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.5**	**0.3**	**0.6**	**0.3**

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	0.057	0.053	0.114	0.021	0.033	0.022	0.086	0.090	0.280	0.289	0.323	0.299
Technical specification limit	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	**0.5**	**0.5**	**1.0**	**0.2**	**0.3**	**0.2**	**0.8**	**0.8**	**2.5**	**2.6**	**2.9**	**2.7**

Licensee Comments:

12/06: On December 14, 2006, a valve packing gland failed during adjustment resulting in an estimated 6 gpm reactor coolant leak lasting approximately 3 hours until isolated. The leak rate was determined using plant abnormal operating procedures (AOP). The AOP is used to provide gross estimation of the leak rate and its use was appropriate during this interim condition. It is not intended to satisfy the approved technical specifications methodology. All technical specification requirements were satisfied and remained within required values. In accordance with FAQ 251 this leak rate is not counted against the performance indicator because the increased leak rate was not determined using technical specification methodology. This information is included for informational purposes only.

Drill/Exercise Performance



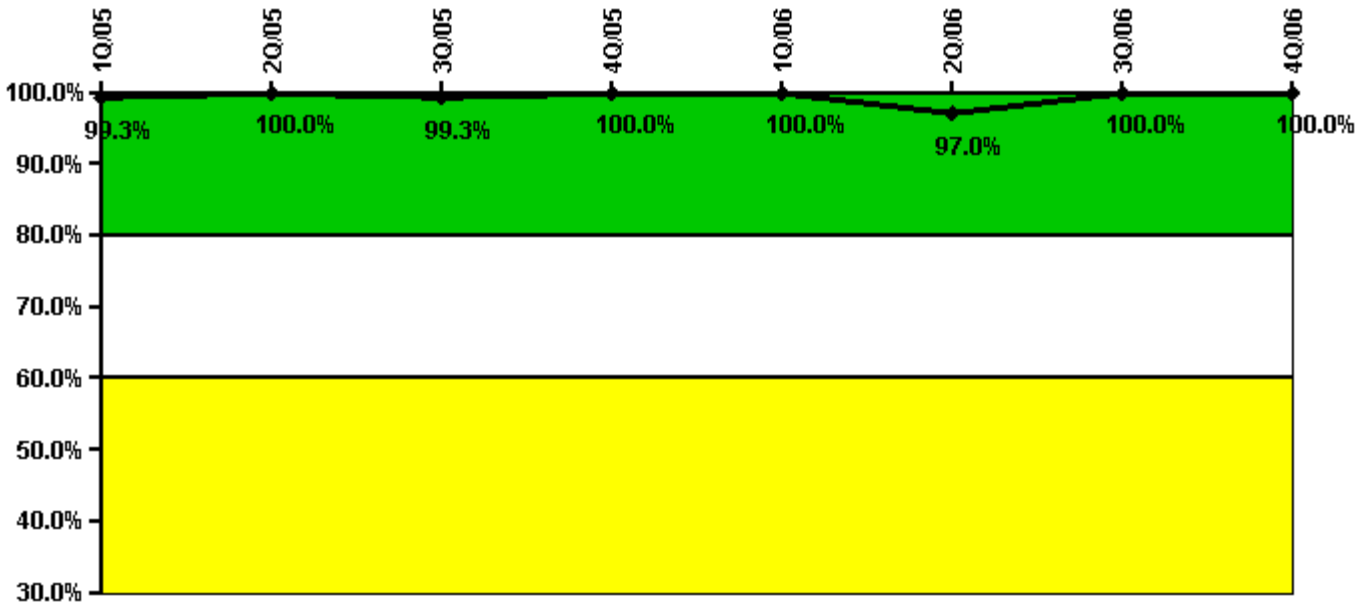
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	89.0	87.0	108.0	58.0	78.0	84.0	57.0	130.0
Total opportunities	93.0	91.0	112.0	59.0	82.0	85.0	60.0	130.0
Indicator value	**94.1%**	**94.4%**	**95.4%**	**96.0%**	**95.8%**	**96.6%**	**96.6%**	**97.1%**

Licensee Comments: none

ERO Drill Participation



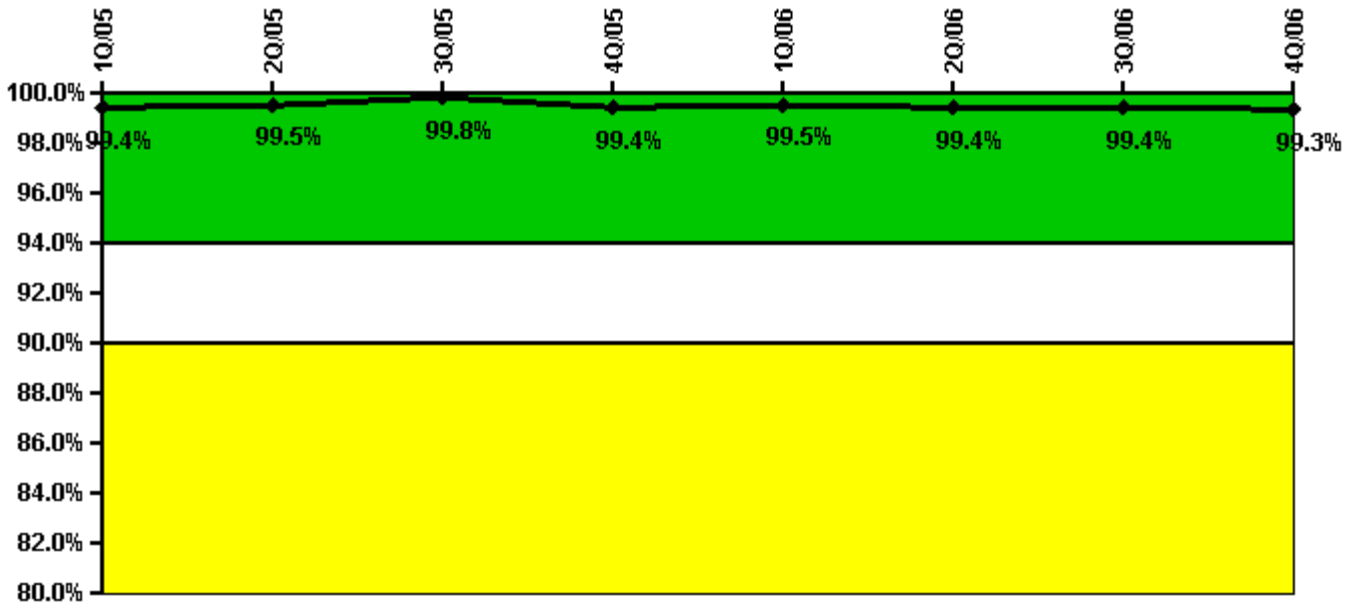
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	151.0	146.0	147.0	144.0	147.0	159.0	157.0	157.0
Total Key personnel	152.0	146.0	148.0	144.0	147.0	164.0	157.0	157.0
Indicator value	**99.3%**	**100.0%**	**99.3%**	**100.0%**	**100.0%**	**97.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System



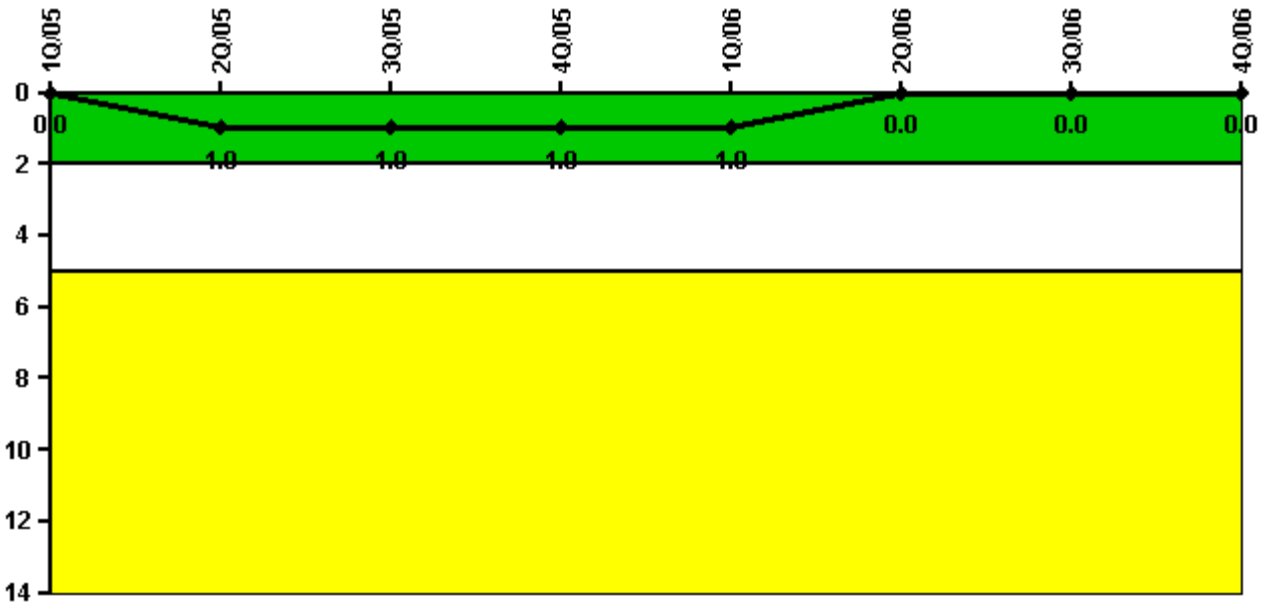
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	209	209	210	207	210	208	210	206
Total sirens-tests	210	210	210	210	210	210	210	210
Indicator value	**99.4%**	**99.5%**	**99.8%**	**99.4%**	**99.5%**	**99.4%**	**99.4%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



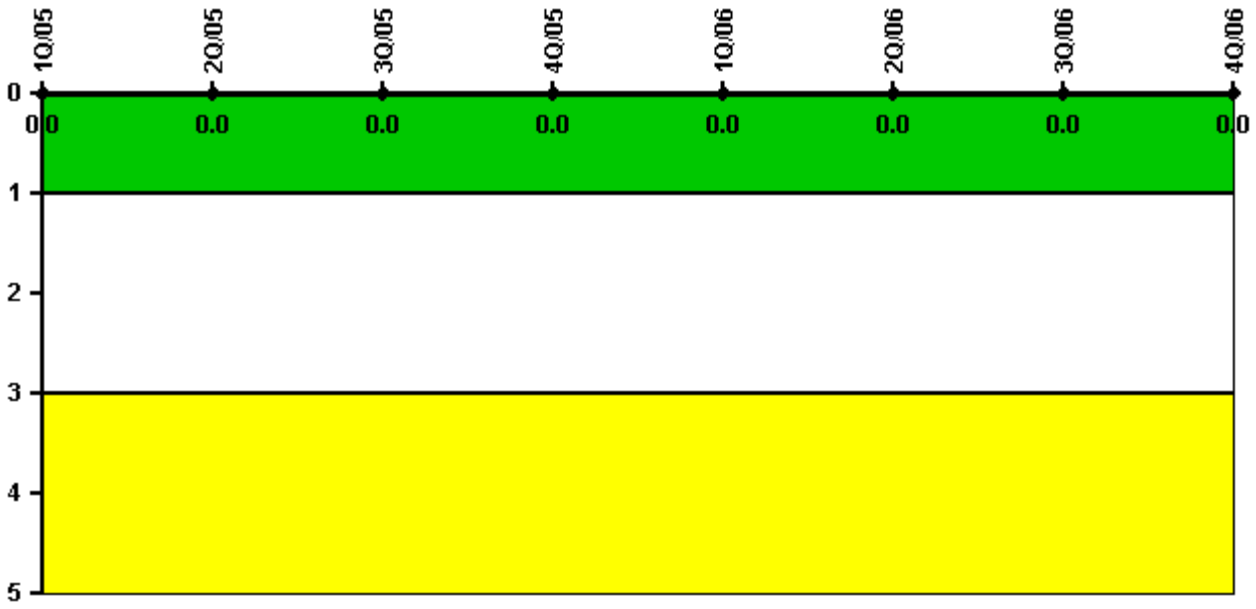
Thresholds: White > 2.0 Yellow > 5.0

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	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	**0**	**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	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.

▲ Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: February 7, 2007