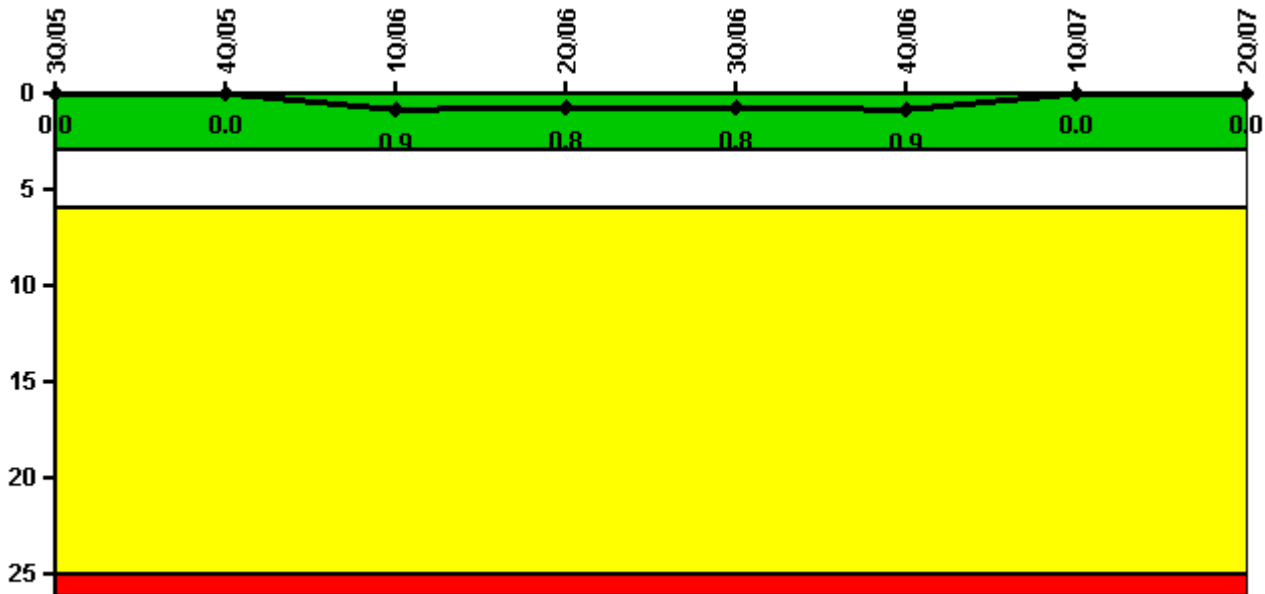


Millstone 2

2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



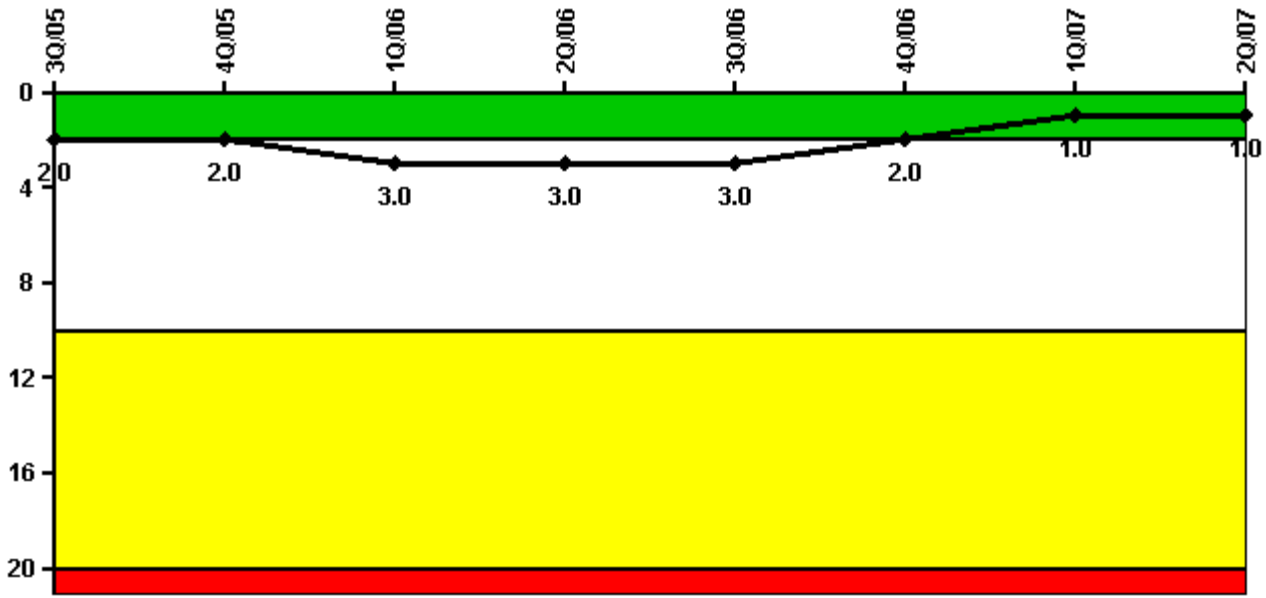
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2127.8	2007.6	2208.0	1177.1	2159.0	2184.0
Indicator value	0	0	0.9	0.8	0.8	0.9	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



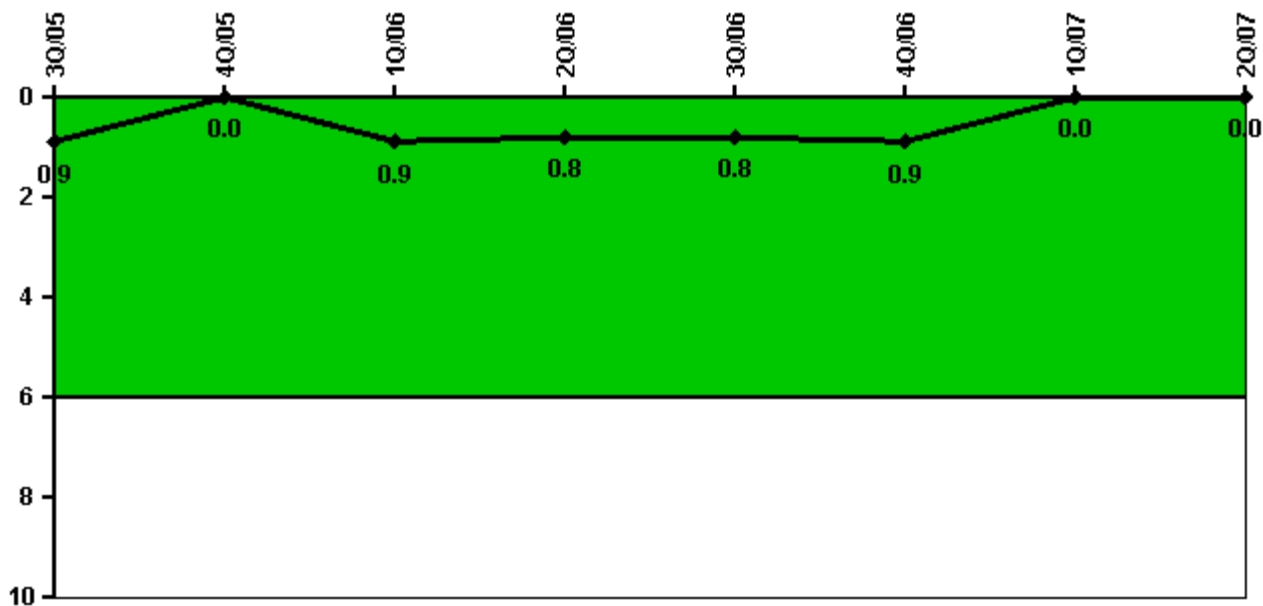
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	1.0	0	0	0	0	0
Indicator value	2.0	2.0	3.0	3.0	3.0	2.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



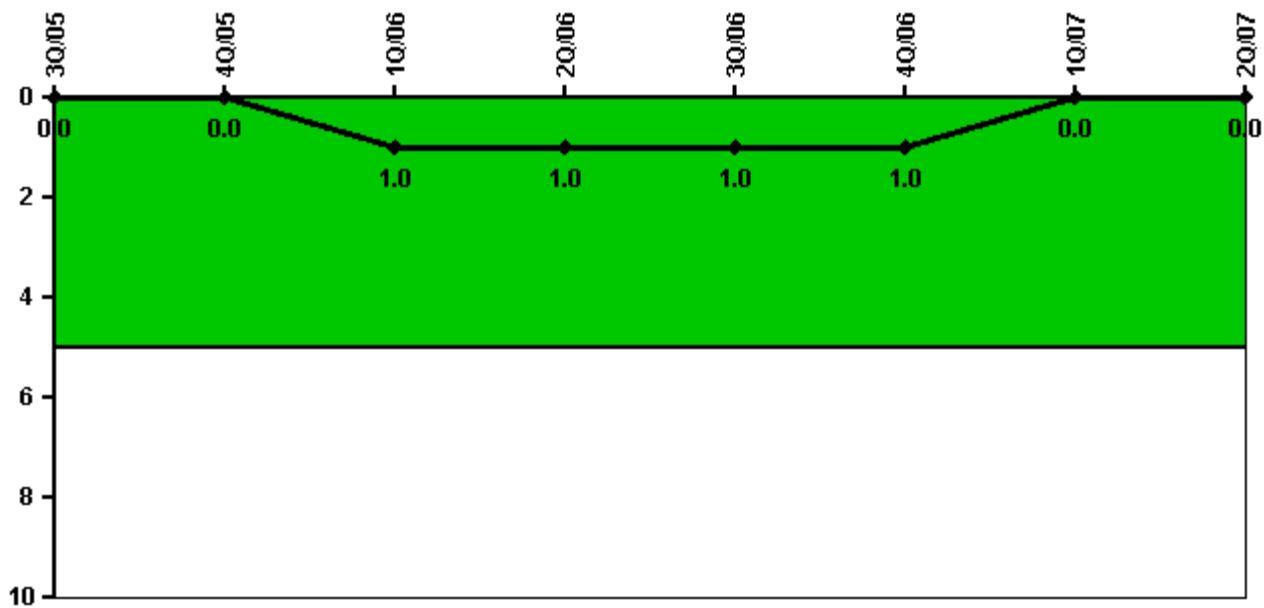
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	2127.8	2007.6	2208.0	1177.1	2159.0	2184.0
Indicator value	0.9	0	0.9	0.8	0.8	0.9	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



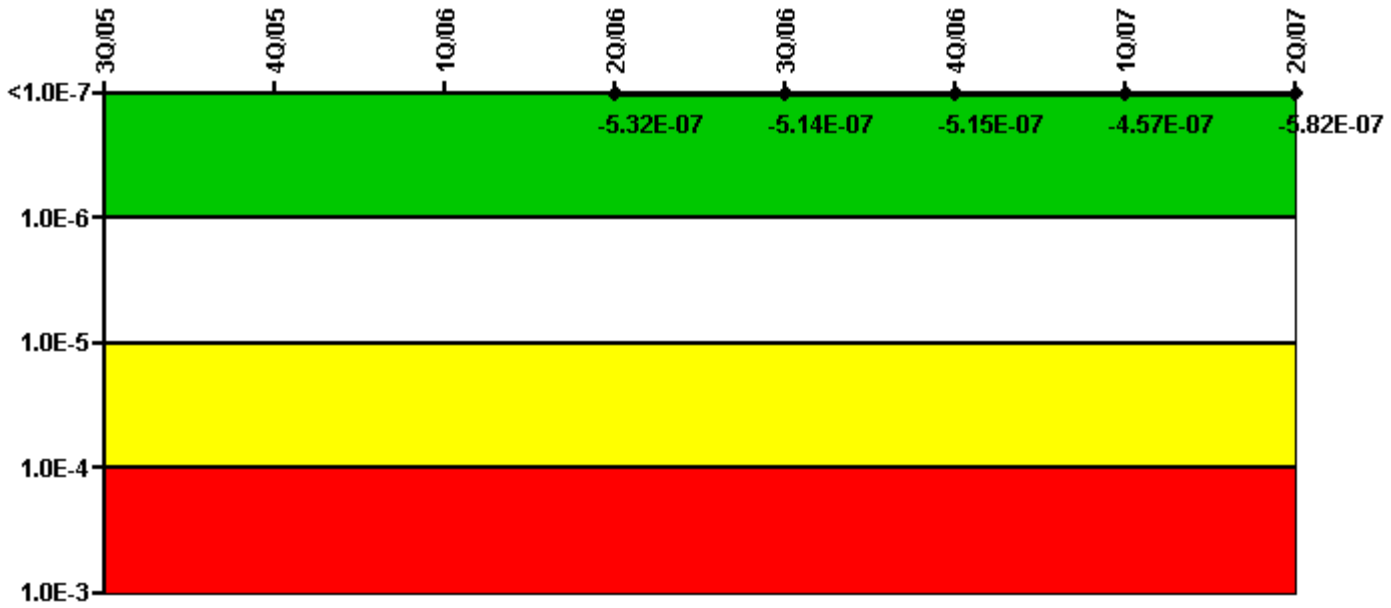
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



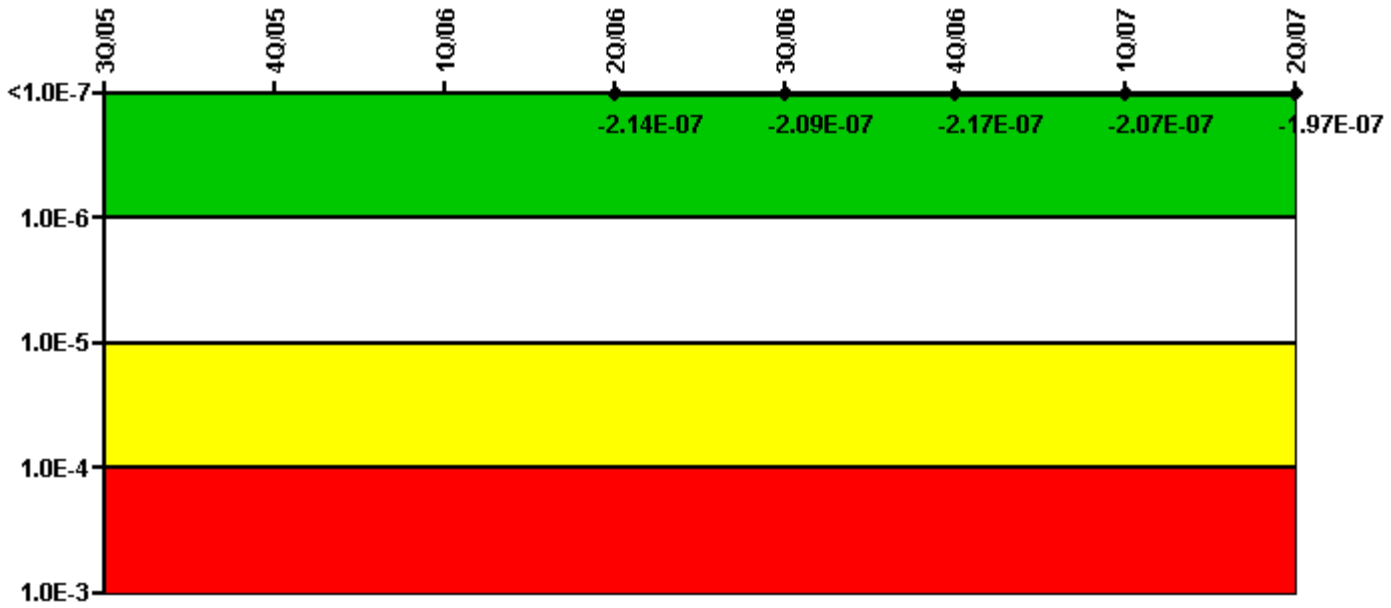
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				8.10E-09	2.60E-08	2.50E-08	9.30E-08	-4.20E-08
URI (Δ CDF)				-5.40E-07	-5.40E-07	-5.40E-07	-5.50E-07	-5.40E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-5.32E-07	-5.14E-07	-5.15E-07	-4.57E-07	-5.82E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



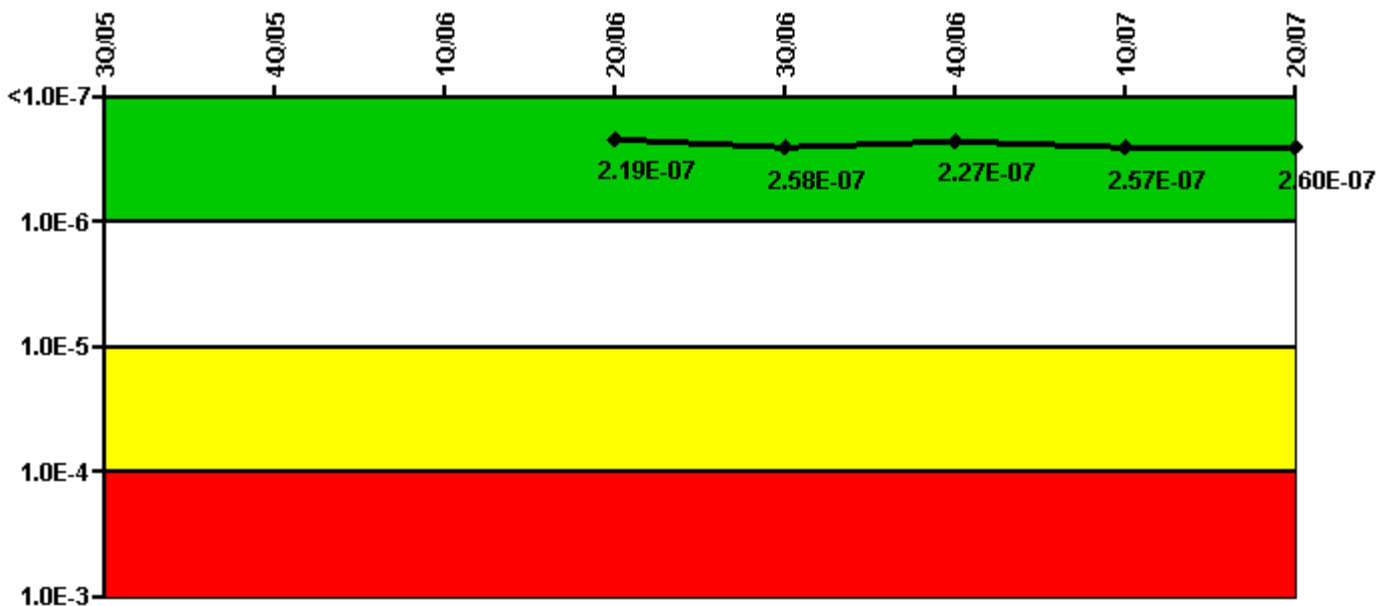
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)				-4.40E-08	-4.90E-08	-5.70E-08	-5.70E-08	-5.70E-08
URI (Δ CDF)				-1.70E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.40E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-2.14E-07	-2.09E-07	-2.17E-07	-2.07E-07	-1.97E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



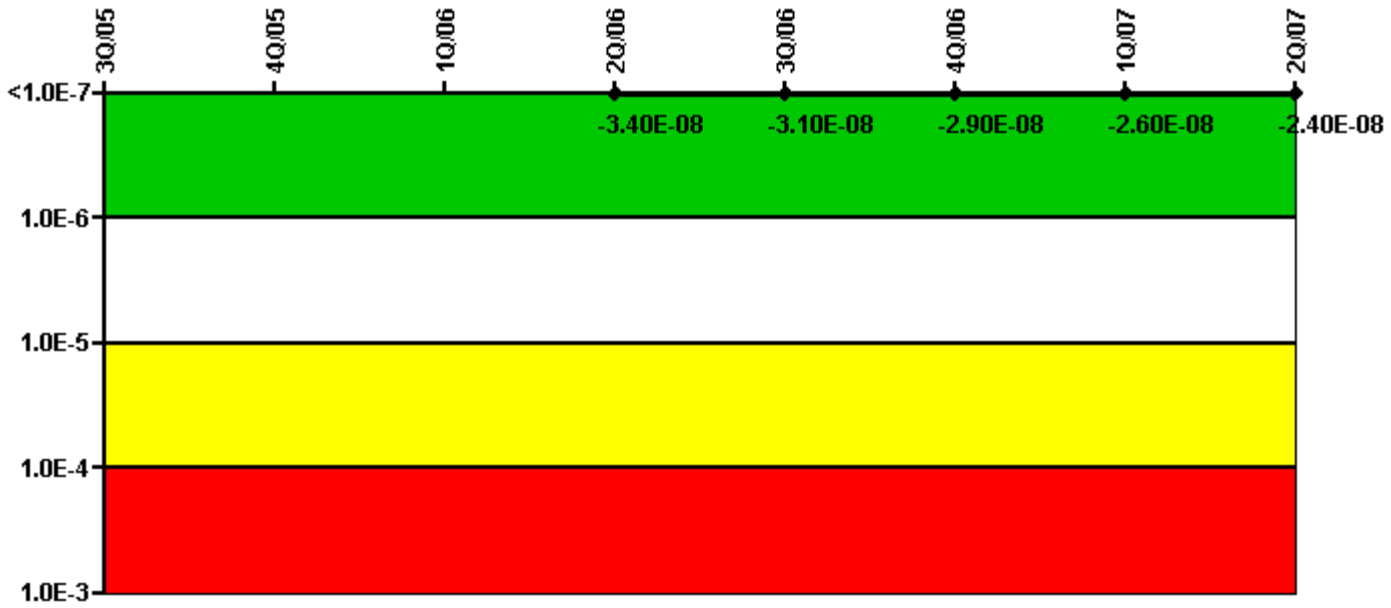
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)				2.90E-08	5.80E-08	5.70E-08	5.70E-08	6.00E-08
URI (Δ CDF)				1.90E-07	2.00E-07	1.70E-07	2.00E-07	2.00E-07
PLE				NO	NO	NO	NO	NO
Indicator value				2.19E-07	2.58E-07	2.27E-07	2.57E-07	2.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



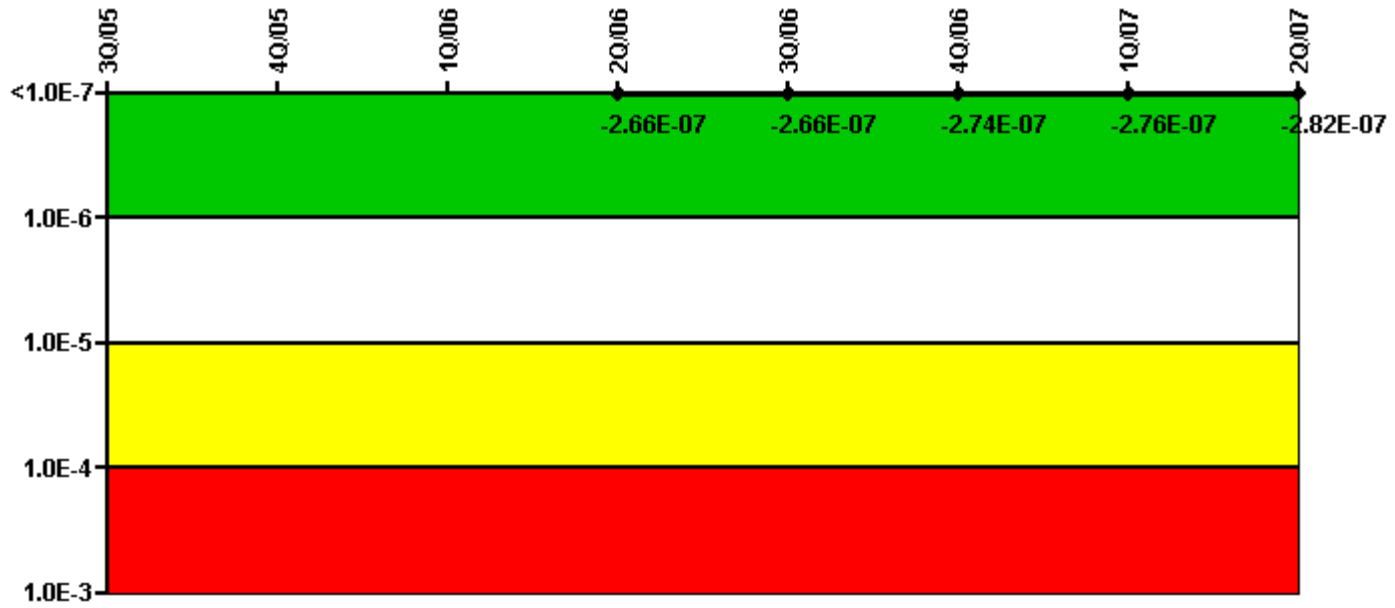
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09
URI (Δ CDF)				-3.30E-08	-3.00E-08	-2.80E-08	-2.50E-08	-2.30E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-3.40E-08	-3.10E-08	-2.90E-08	-2.60E-08	-2.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



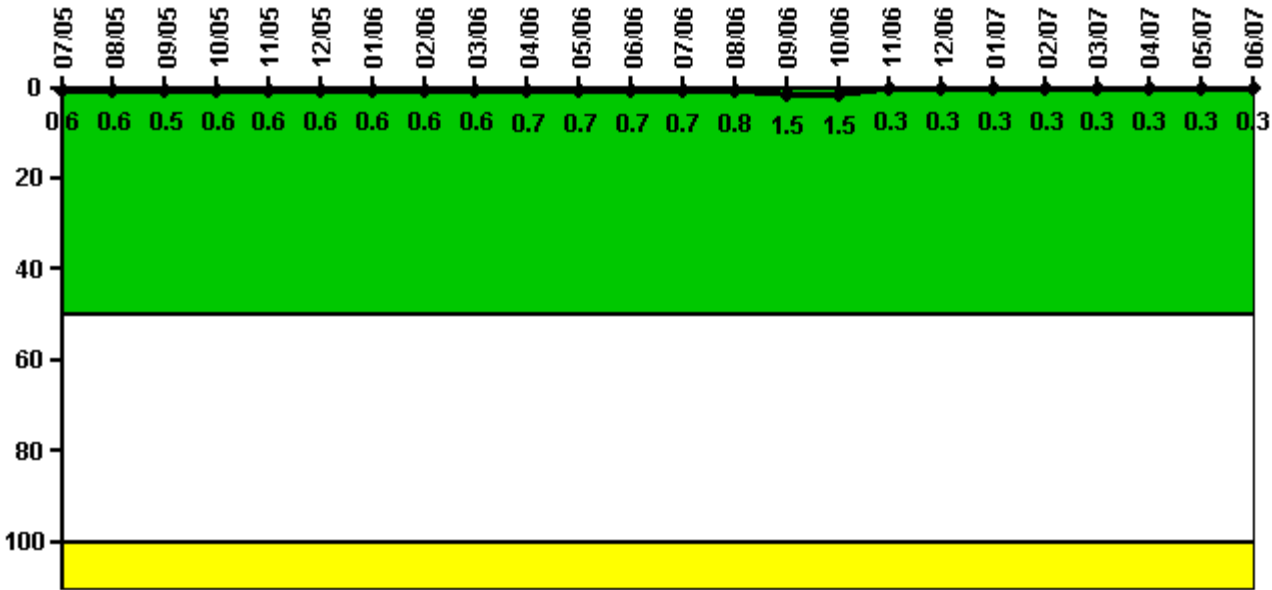
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)				-6.10E-09	-6.10E-09	-1.40E-08	-1.60E-08	-2.20E-08
URI (Δ CDF)				-2.60E-07	-2.60E-07	-2.60E-07	-2.60E-07	-2.60E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-2.66E-07	-2.66E-07	-2.74E-07	-2.76E-07	-2.82E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

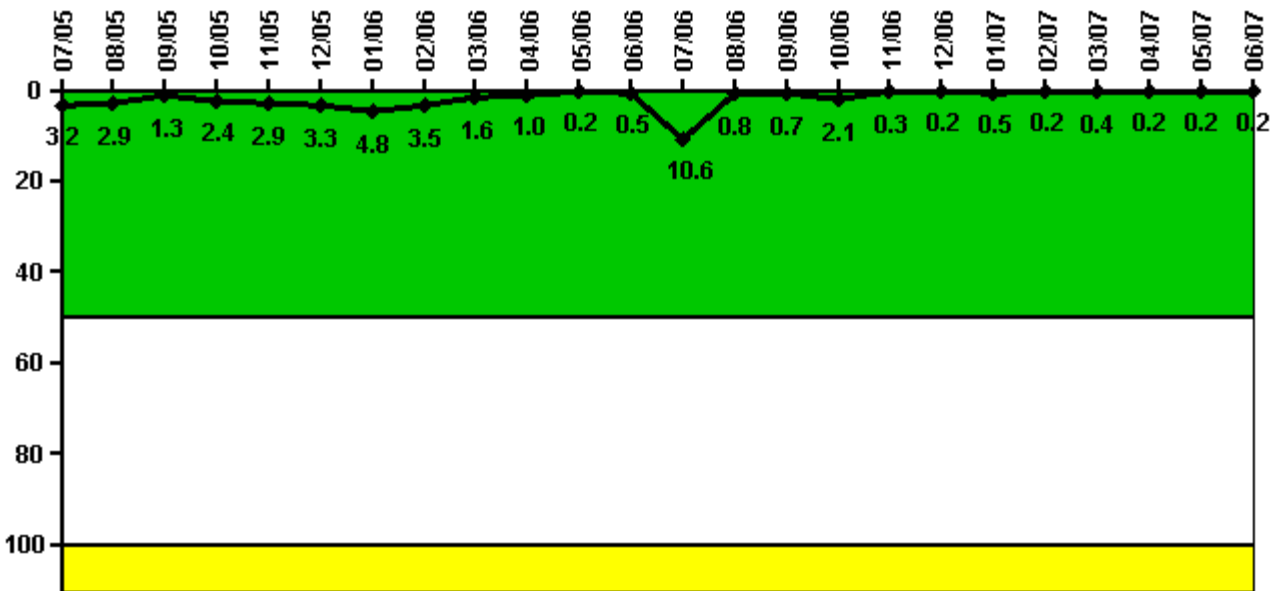
Notes

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	0.005700	0.005500	0.005410	0.006220	0.005770	0.006120	0.006190	0.006460	0.006470	0.006670	0.007270	0.007110
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	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7

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	0.007140	0.007520	0.014800	0.015000	0.002520	0.002840	0.002990	0.003130	0.003180	0.003240	0.003440	0.003400
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	0.7	0.8	1.5	1.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

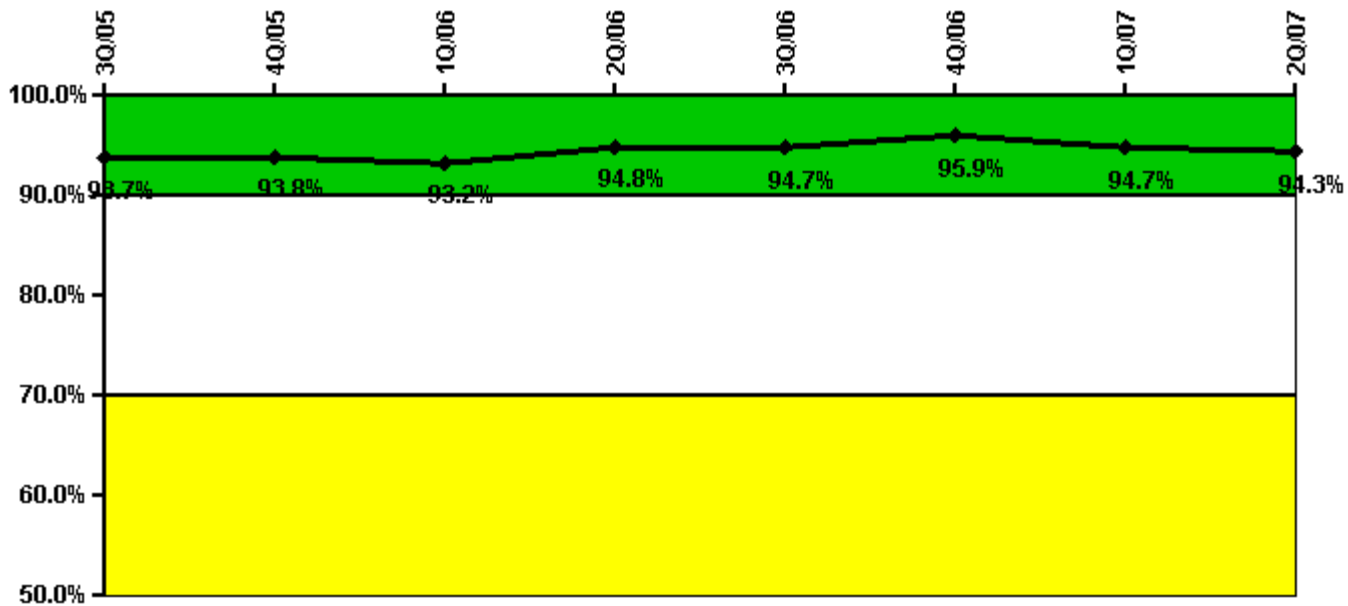
Notes

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	0.316	0.289	0.130	0.241	0.285	0.325	0.477	0.347	0.162	0.095	0.019	0.050
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	3.2	2.9	1.3	2.4	2.9	3.3	4.8	3.5	1.6	1.0	0.2	0.5
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	1.055	0.084	0.073	0.210	0.025	0.024	0.051	0.023	0.039	0.015	0.024	0.018
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	10.6	0.8	0.7	2.1	0.3	0.2	0.5	0.2	0.4	0.2	0.2	0.2

Licensee Comments:

6/07: January, February, and March RCS leakage data was revised to correct data collection errors. These corrections did NOT result in the GREEN/WHITE threshold being crossed.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

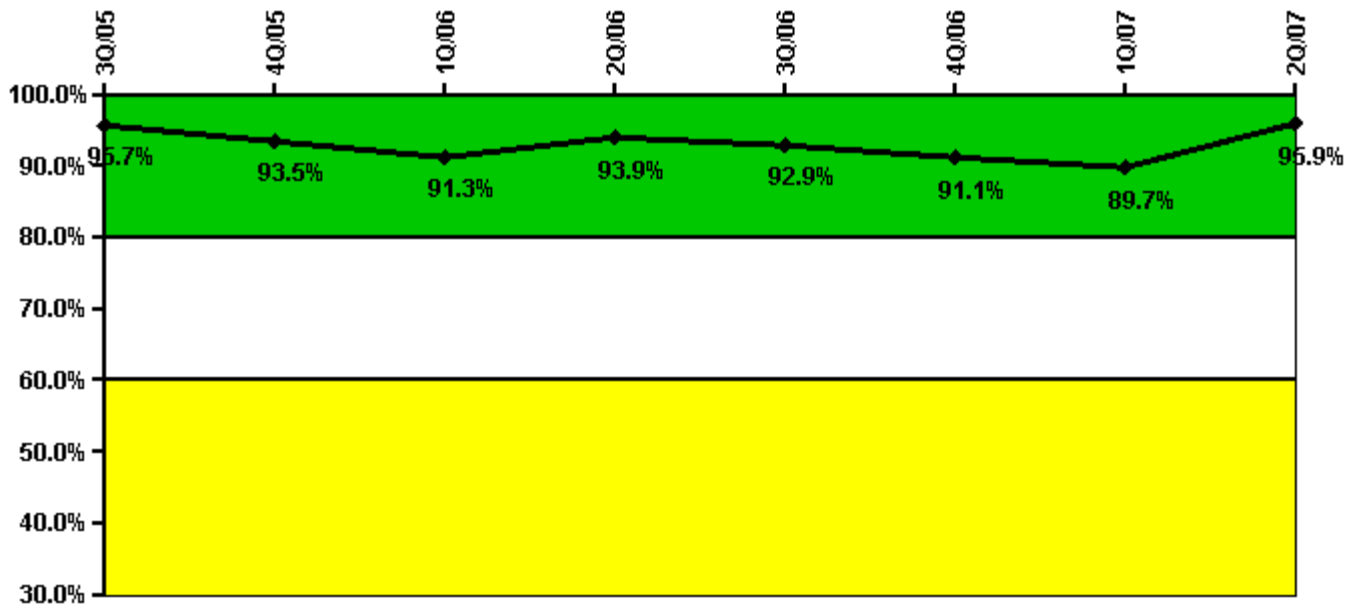
Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	67.0	0	17.0	31.0	64.0	0	10.0	42.0
Total opportunities	67.0	0	19.0	32.0	70.0	0	12.0	45.0
Indicator value	93.7%	93.8%	93.2%	94.8%	94.7%	95.9%	94.7%	94.3%

Licensee Comments:

2Q/07: January and March Emergency Response Organization Drill/Exercise Performance data was revised to correct data collection errors. These corrections did NOT result in the GREEN/WHITE threshold being crossed.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

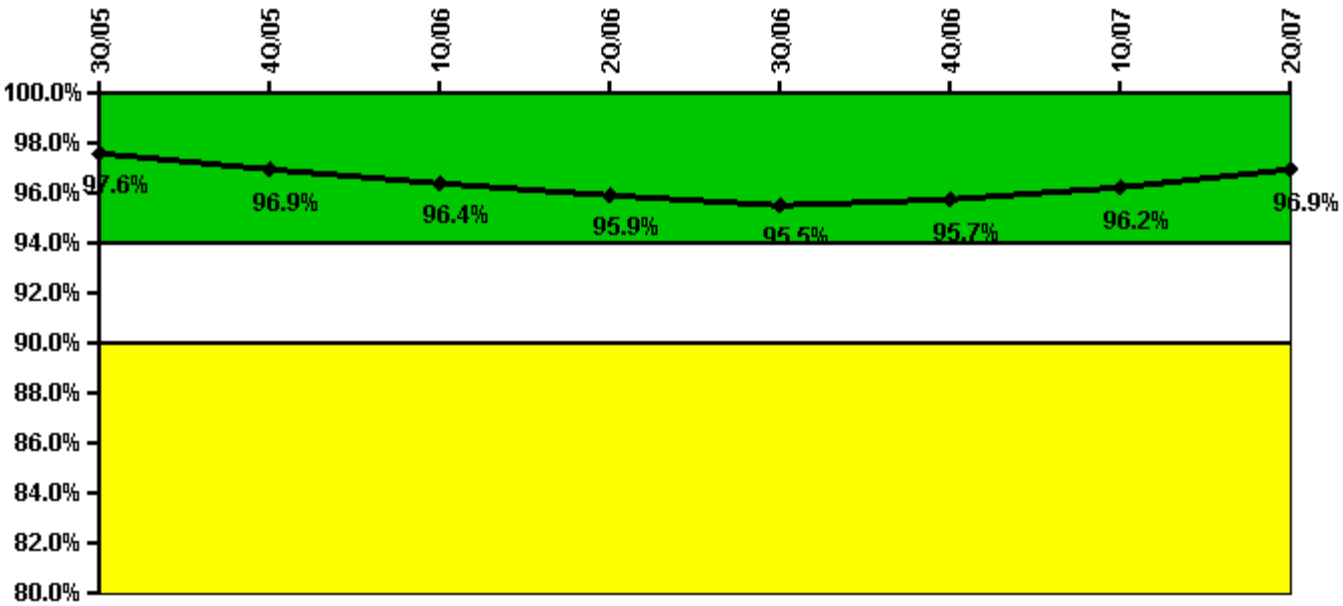
Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	132.0	130.0	136.0	138.0	143.0	133.0	130.0	139.0
Total Key personnel	138.0	139.0	149.0	147.0	154.0	146.0	145.0	145.0
Indicator value	95.7%	93.5%	91.3%	93.9%	92.9%	91.1%	89.7%	95.9%

Licensee Comments:

2Q/07: January and March Emergency Response Organization Drill Participation data was revised to correct data collection errors. These corrections did NOT result in the GREEN/WHITE threshold being crossed.

Alert & Notification System



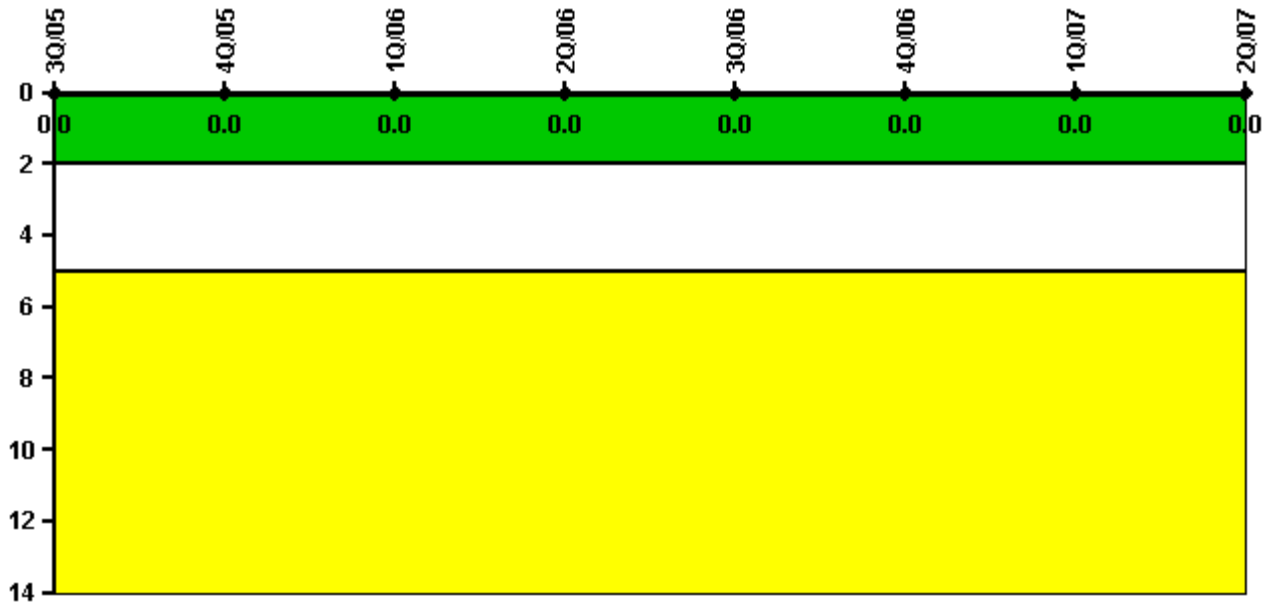
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	456	306	306	304	450	310	312	314
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	97.6%	96.9%	96.4%	95.9%	95.5%	95.7%	96.2%	96.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



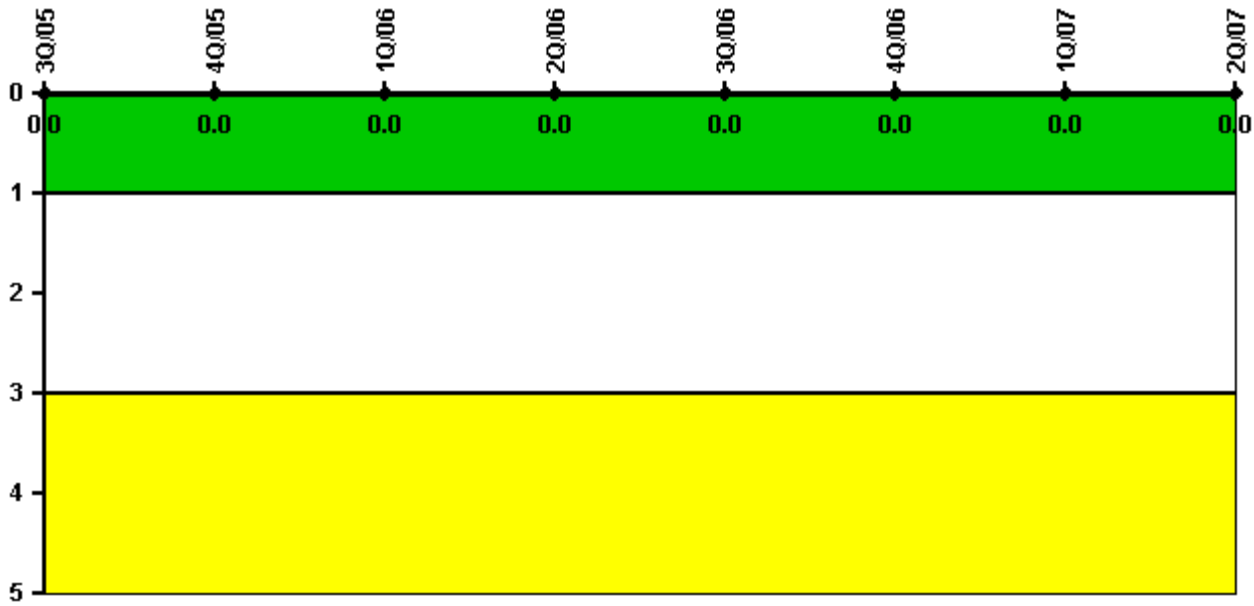
Thresholds: White > 2.0 Yellow > 5.0

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