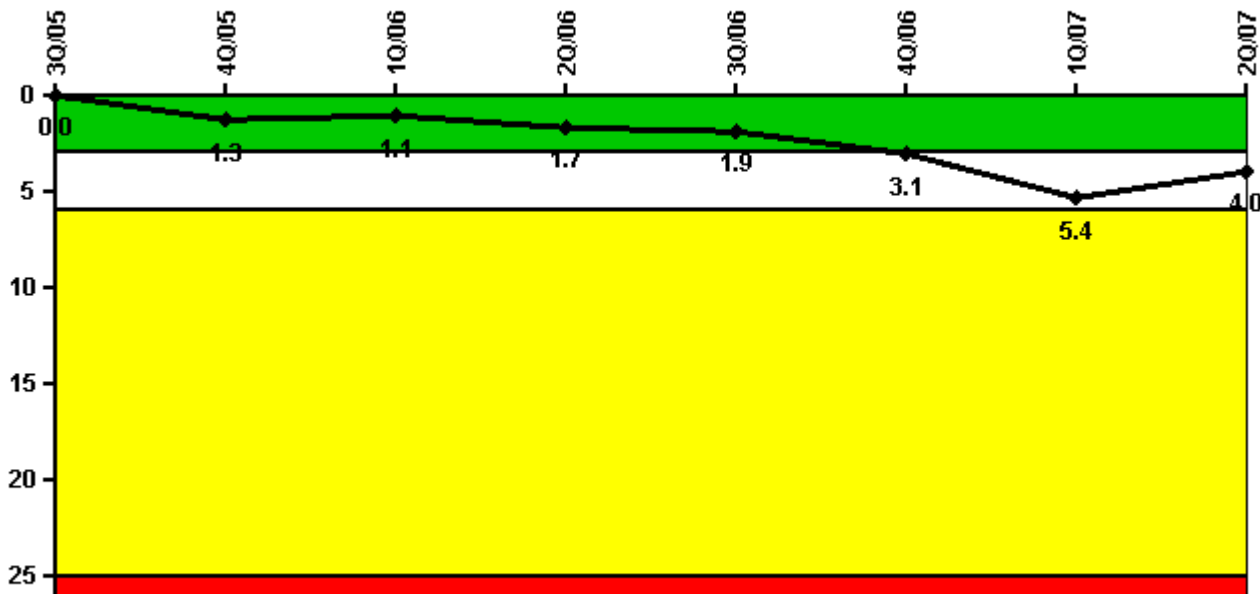


Kewaunee

2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



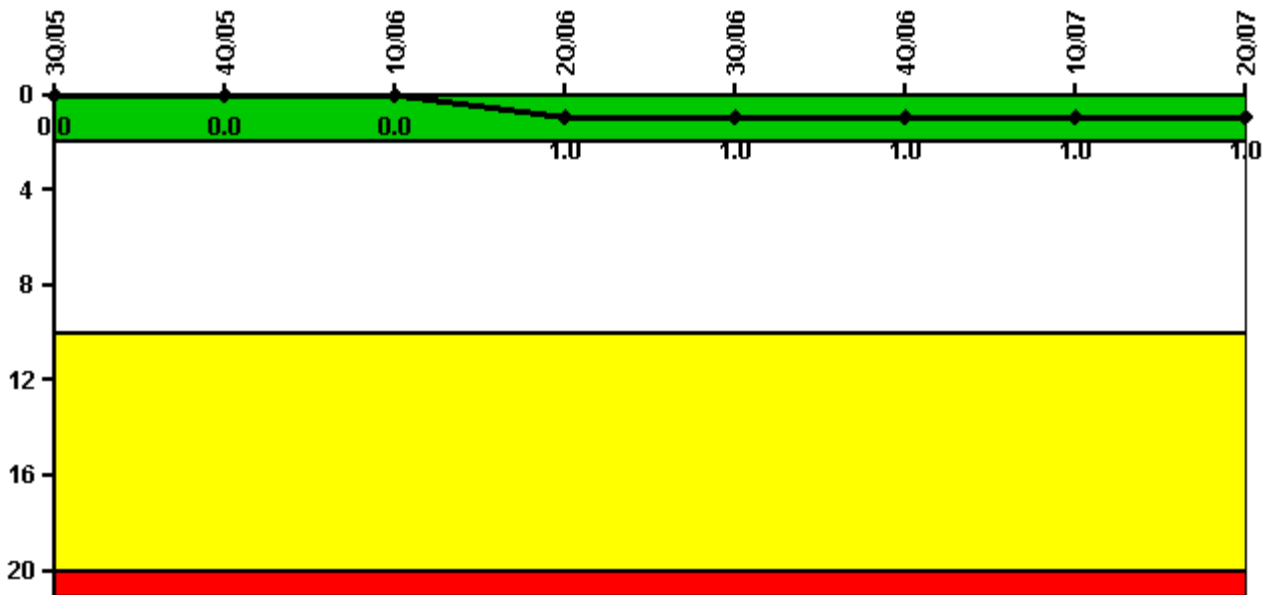
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0	2.0	2.0	0
Critical hours	2189.6	2097.8	2160.0	1575.9	1512.7	1505.1	1870.0	2184.0
Indicator value	0	1.3	1.1	1.7	1.9	3.1	5.4	4.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



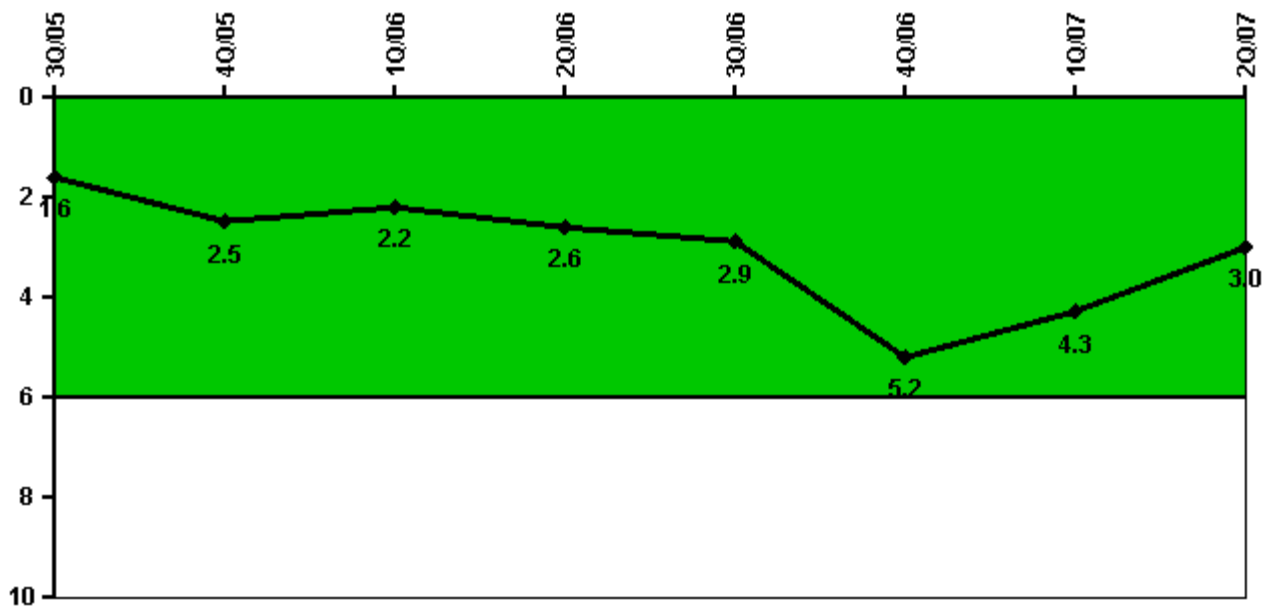
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



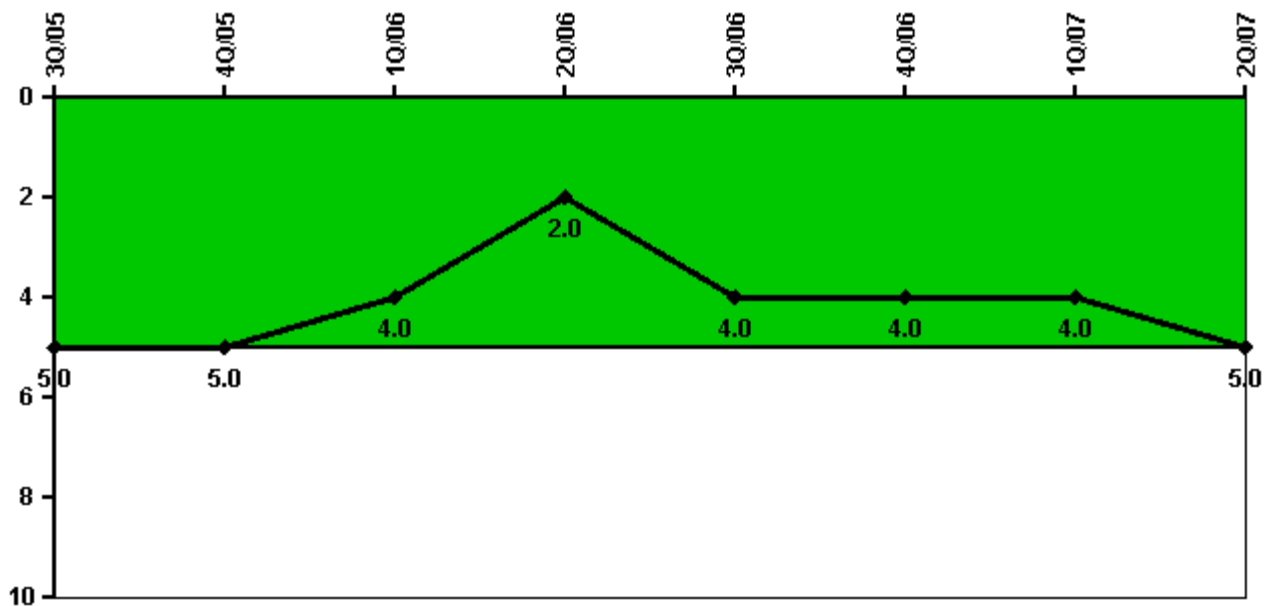
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	1.0	1.0	1.0	0	3.0	0	0
Critical hours	2189.6	2097.8	2160.0	1575.9	1512.7	1505.1	1870.0	2184.0
Indicator value	1.6	2.5	2.2	2.6	2.9	5.2	4.3	3.0

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

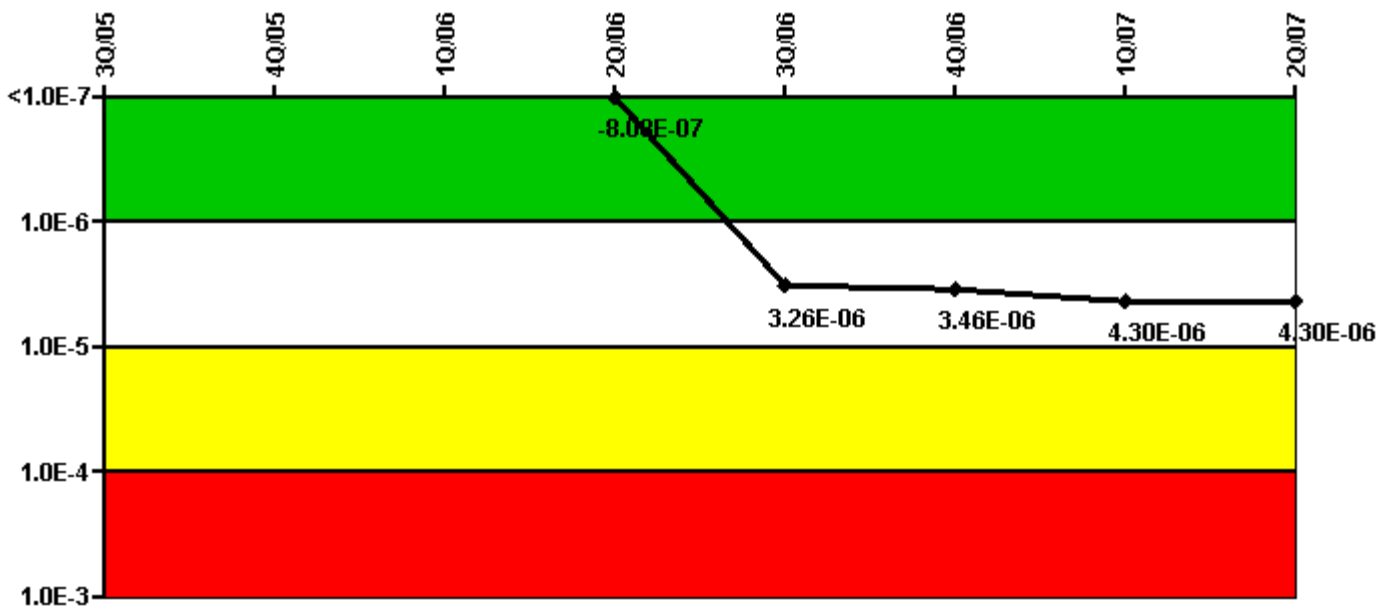
Notes

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	1	0	1	2	1	0	2
Indicator value	5	5	4	2	4	4	4	5

Licensee Comments:

2Q/07: LER 2007-005-00 and LER 2007-007-00

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)				2.20E-08	3.00E-06	3.20E-06	3.30E-06	3.30E-06
URI (ΔCDF)				-8.30E-07	2.60E-07	2.60E-07	1.00E-06	1.00E-06
PLE				NO	NO	NO	NO	NO
Indicator value				-8.08E-07	3.26E-06	3.46E-06	4.30E-06	4.30E-06

Licensee Comments:

2Q/07: Risk Cap Invoked. 6-30-07 Based on an evaluation, one MSPI failure was deleted from DG "B" regarding the DG load issue during the first quarter of 2007. Further evaluation continues on DG "A".

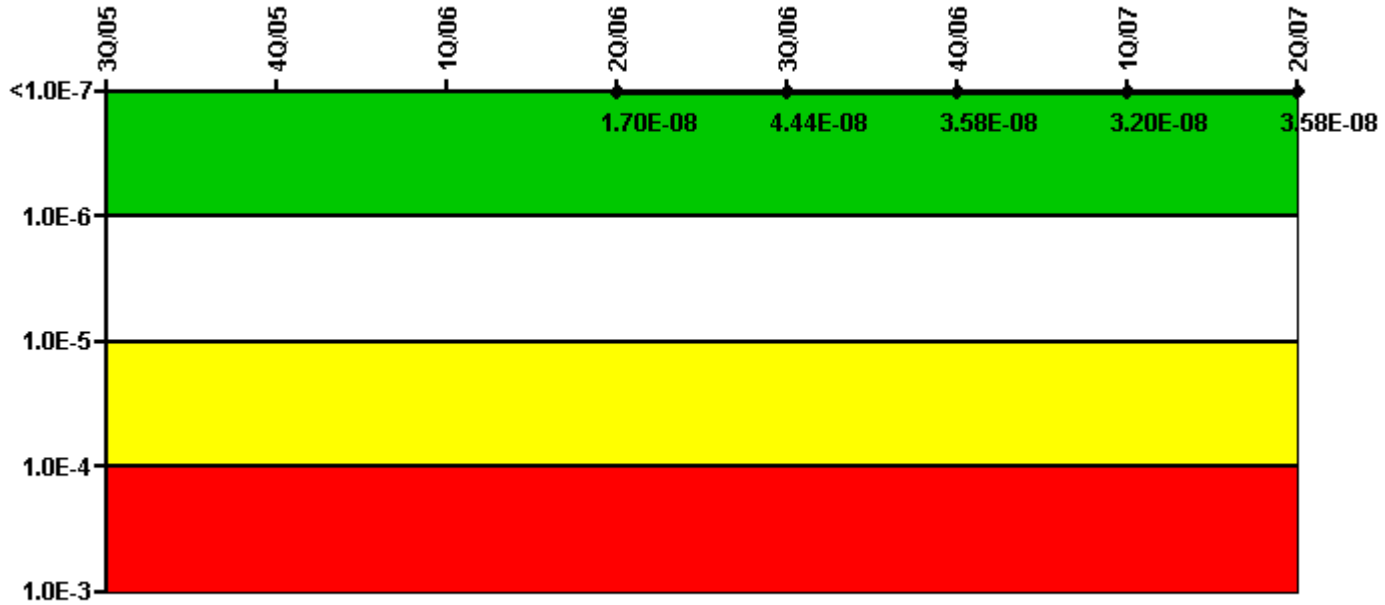
1Q/07: Risk Cap Invoked. 7/19/07 Based on an evaluation, one MSPI failure was deleted from DG "B" regarding the DG load issue during the first quarter of 2007. Further evaluation continues on DG "A". 3/31/07 - Two failures were taken for Emergency AC for MSPI in first quarter 2007. No actual failures occurred. A scenario was identified that could result in loads in excess of manufacturer ratings being taken on by the diesels generators. An evaluation is being performed to determine if diesel generator failure would have been likely under the scenario identified. The evaluation is being performed under CE020142.

4Q/06: Risk Cap Invoked. Removed failure of EDG A that was reported in 3rd QTR 2006. The failure was postulated for EDG A under high load and high combustion air temperature conditions. A past operability engineering evaluation (CA027907) determined that the EDG would have been capable of performing its function for the mission time during the time period in question.

3Q/06: Risk Cap Invoked. One MSPI failure is under investigation. Updated the CDF for the unit. The change has been made to be in effect as of July 1, 2006 as it reflects the PRA and Basis Document in effect for 3rd quarter 2006.

2Q/06: Risk Cap Invoked. The PRA Parameters were changed before the end of June to reflect the June 2006 PRA. The change has been made to be in effect as of July 1, 2006 as it reflects the PRA and Basis Document in effect for 3rd quarter 2006. This change does not change the resulting color (green).

Mitigating Systems Performance Index, High Pressure Injection System



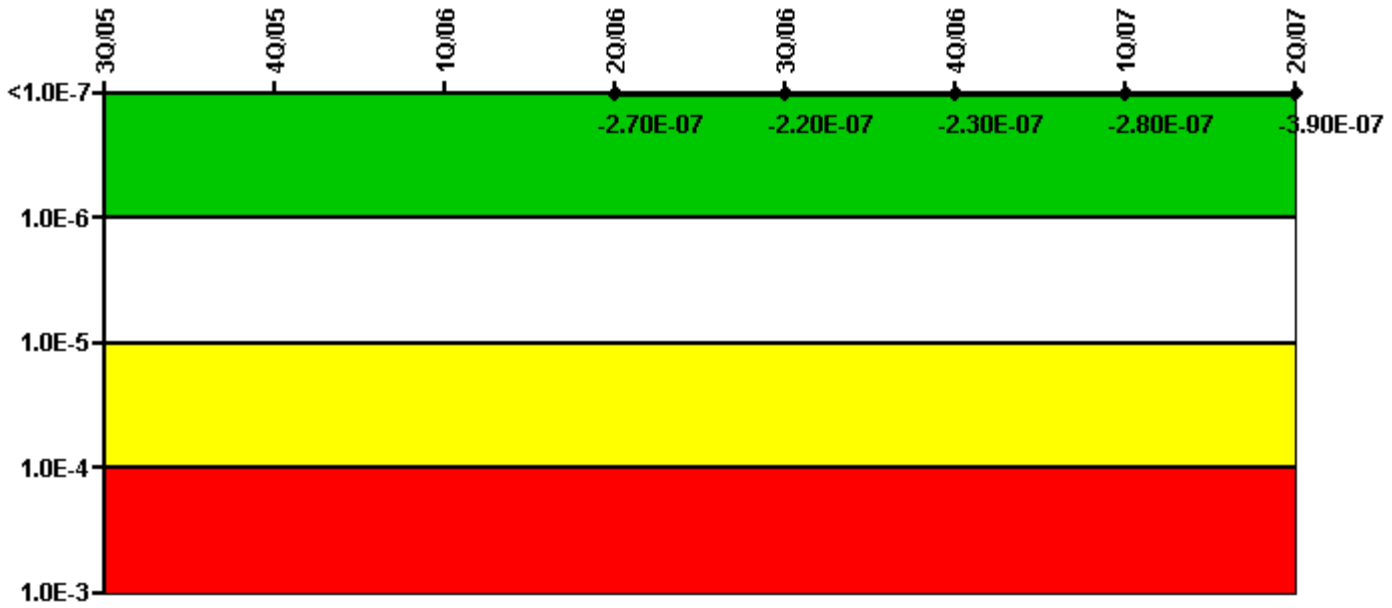
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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)				-5.00E-09	-5.60E-09	-6.20E-09	-1.00E-08	-6.20E-09
URI (Δ CDF)				2.20E-08	5.00E-08	4.20E-08	4.20E-08	4.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				1.70E-08	4.44E-08	3.58E-08	3.20E-08	3.58E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



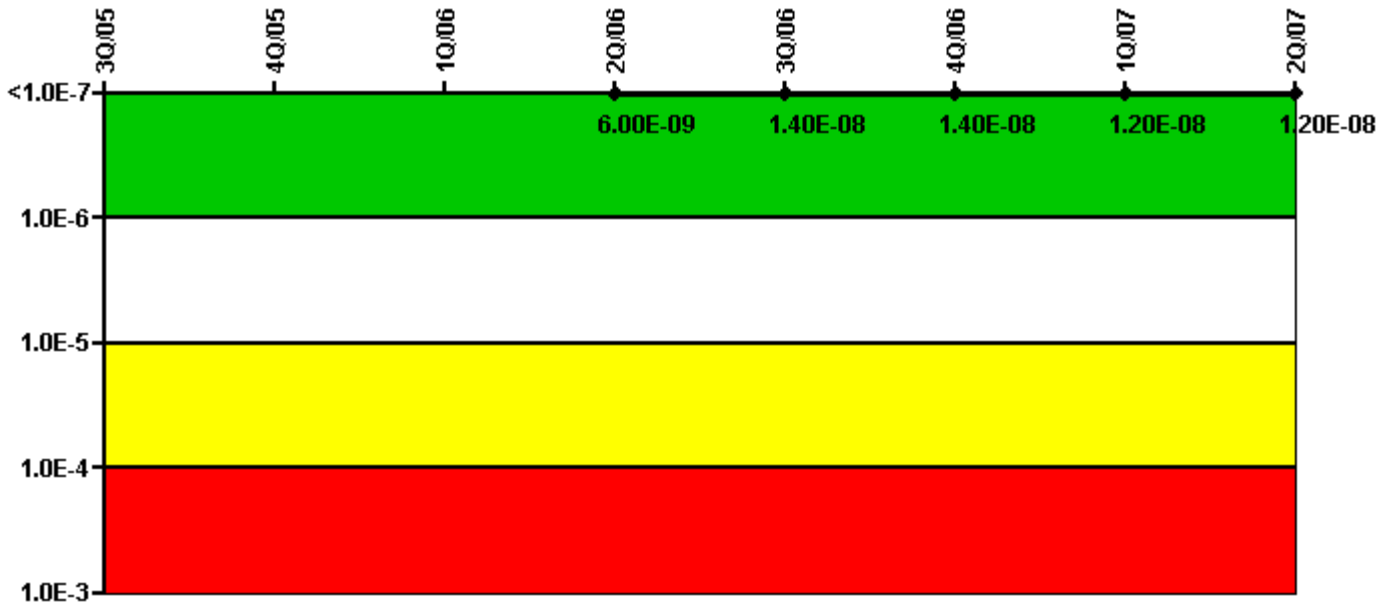
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)				2.30E-07	2.10E-07	2.20E-07	2.00E-07	1.00E-07
URI (Δ CDF)				-5.00E-07	-4.30E-07	-4.50E-07	-4.80E-07	-4.90E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-2.70E-07	-2.20E-07	-2.30E-07	-2.80E-07	-3.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



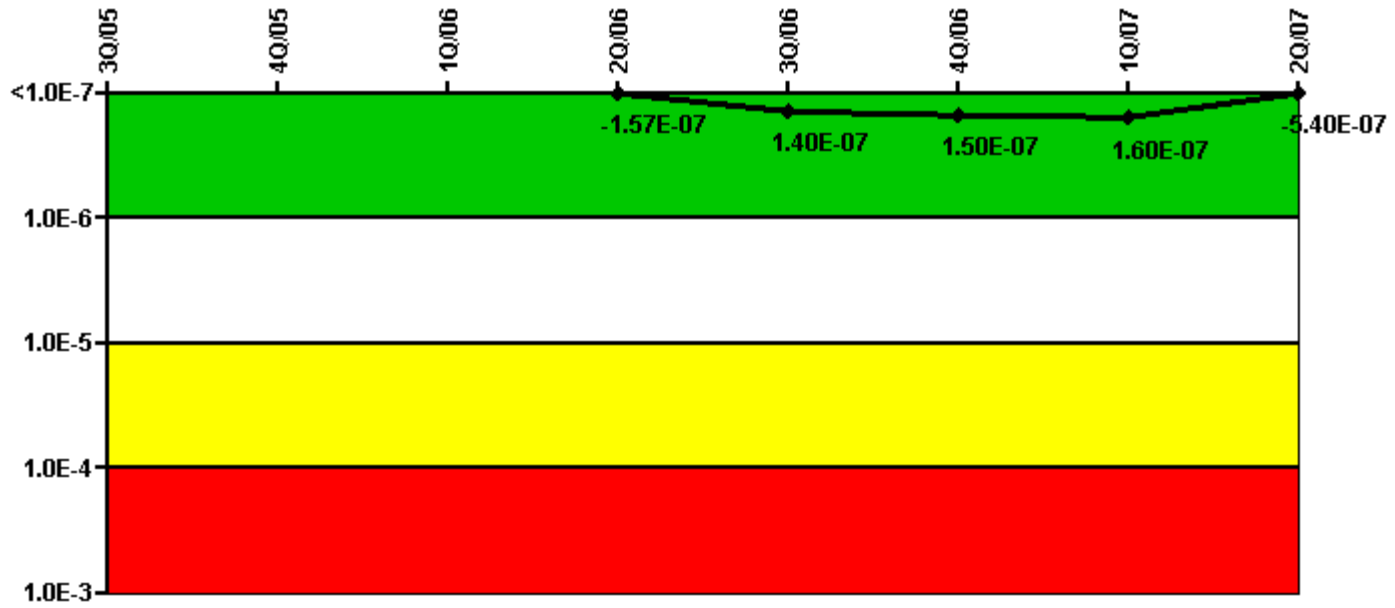
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)				2.90E-08	5.90E-08	6.40E-08	6.10E-08	6.00E-08
URI (ΔCDF)				-2.30E-08	-4.50E-08	-5.00E-08	-4.90E-08	-4.80E-08
PLE				NO	NO	NO	NO	NO
Indicator value				6.00E-09	1.40E-08	1.40E-08	1.20E-08	1.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



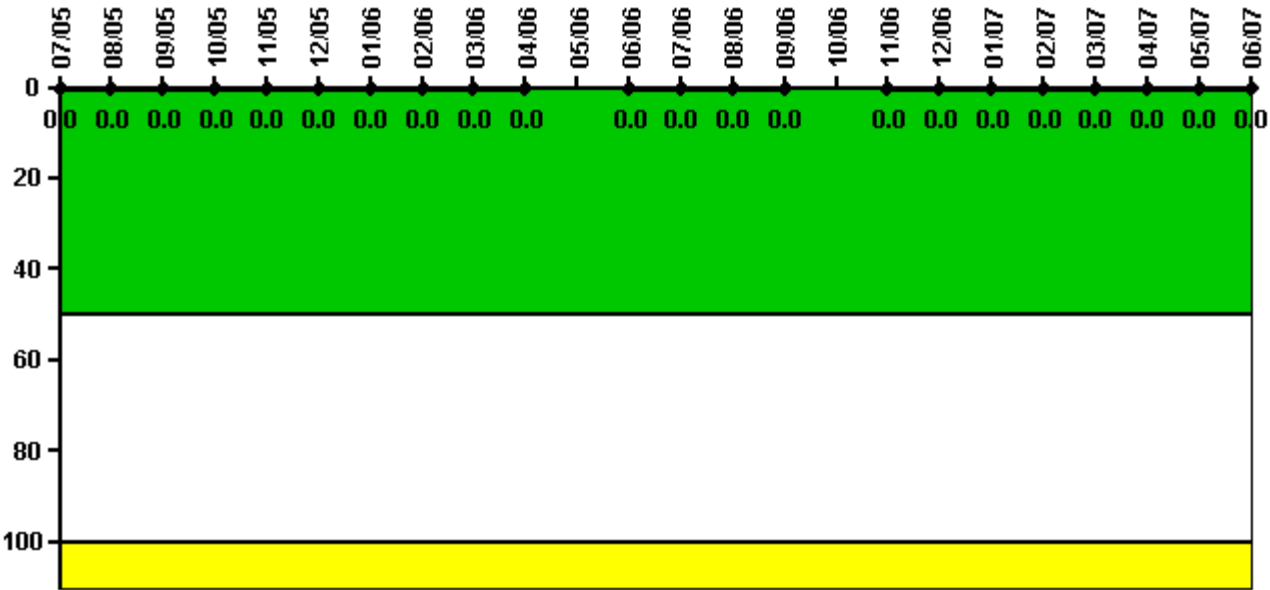
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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 (ACDF)				$-7.70E-08$	$-1.40E-07$	$-1.40E-07$	$-1.40E-07$	$-1.40E-07$
URI (ACDF)				$-8.00E-08$	$2.80E-07$	$2.90E-07$	$3.00E-07$	$-4.00E-07$
PLE				NO	NO	NO	NO	NO
Indicator value				$-1.57E-07$	$1.40E-07$	$1.50E-07$	$1.60E-07$	$-5.40E-07$

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

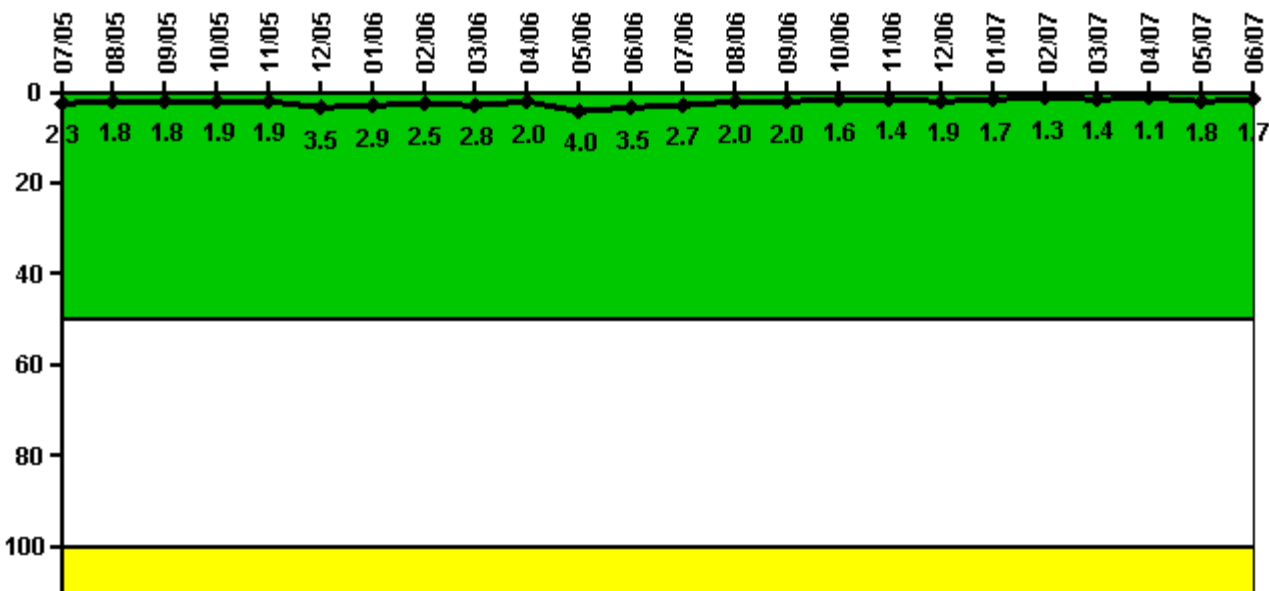
Notes

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	0.000094	0.000099	0.000100	0.000106	0.000091	0.000106	0.000117	0.000101	0.000118	0.000116	N/A	0.000127
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	N/A	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	0.000125	0.000197	0.000139	N/A	0.000076	0.000103	0.000078	0.000082	0.000085	0.000096	0.000094	0.000097
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



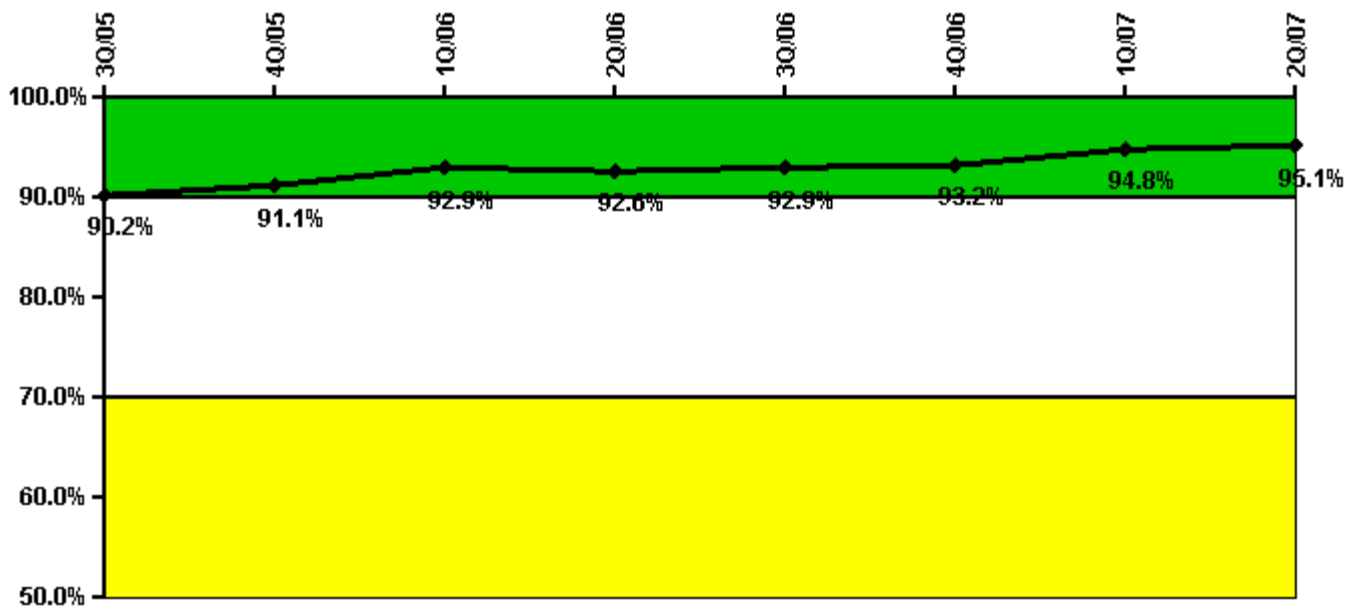
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.227	0.181	0.175	0.188	0.192	0.347	0.285	0.247	0.279	0.197	0.404	0.345
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	2.3	1.8	1.8	1.9	1.9	3.5	2.9	2.5	2.8	2.0	4.0	3.5
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	0.268	0.200	0.200	0.157	0.137	0.191	0.171	0.125	0.137	0.114	0.180	0.171
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	2.7	2.0	2.0	1.6	1.4	1.9	1.7	1.3	1.4	1.1	1.8	1.7

Licensee Comments: none

Drill/Exercise Performance



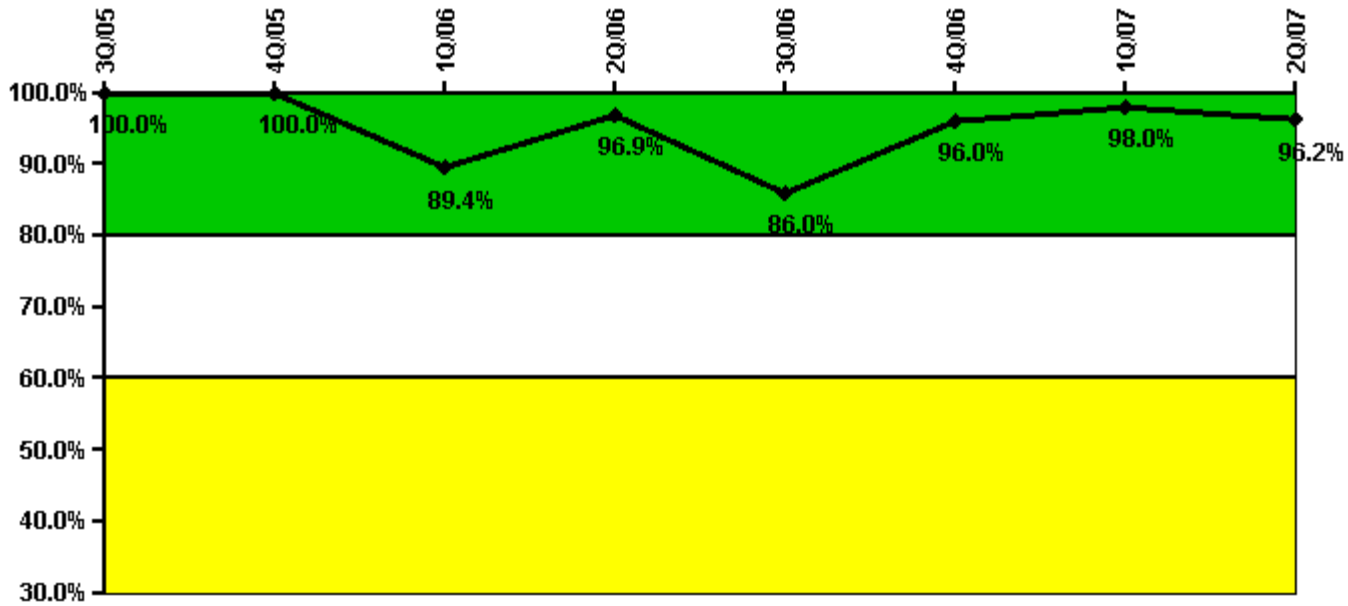
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	11.0	49.0	31.0	23.0	6.0	23.0	117.0	34.0
Total opportunities	16.0	52.0	31.0	27.0	6.0	24.0	118.0	35.0
Indicator value	90.2%	91.1%	92.9%	92.6%	92.9%	93.2%	94.8%	95.1%

Licensee Comments: none

ERO Drill Participation



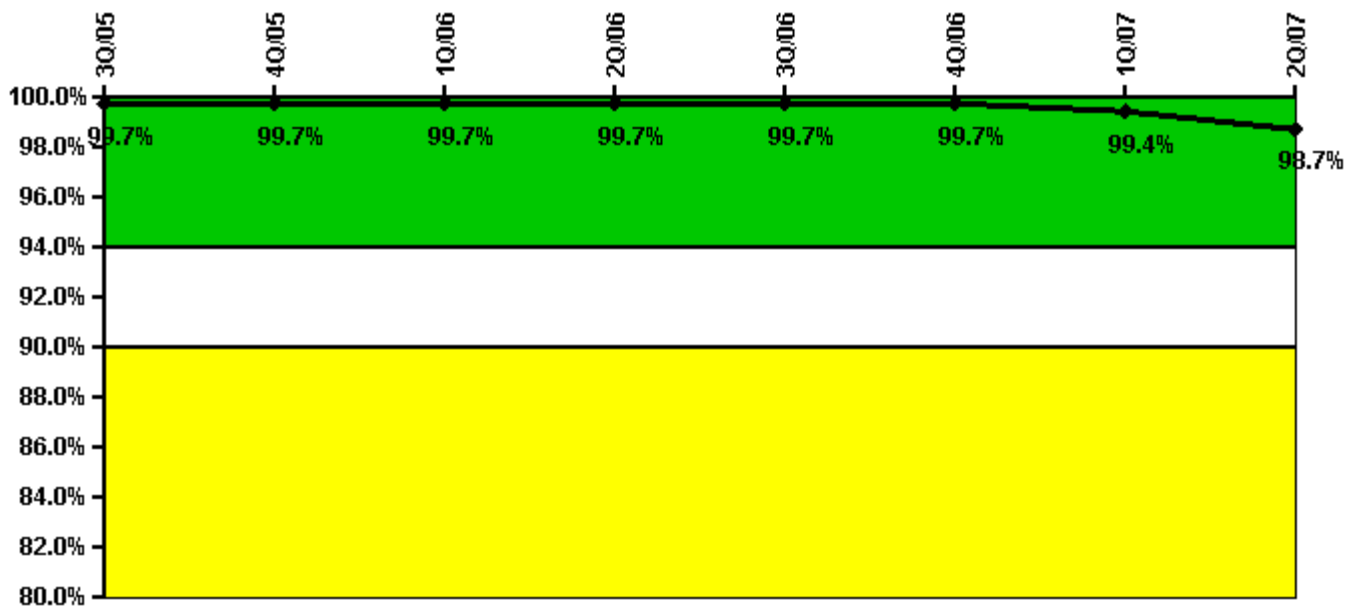
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	64.0	61.0	59.0	62.0	43.0	48.0	50.0	50.0
Total Key personnel	64.0	61.0	66.0	64.0	50.0	50.0	51.0	52.0
Indicator value	100.0%	100.0%	89.4%	96.9%	86.0%	96.0%	98.0%	96.2%

Licensee Comments: none

Alert & Notification System



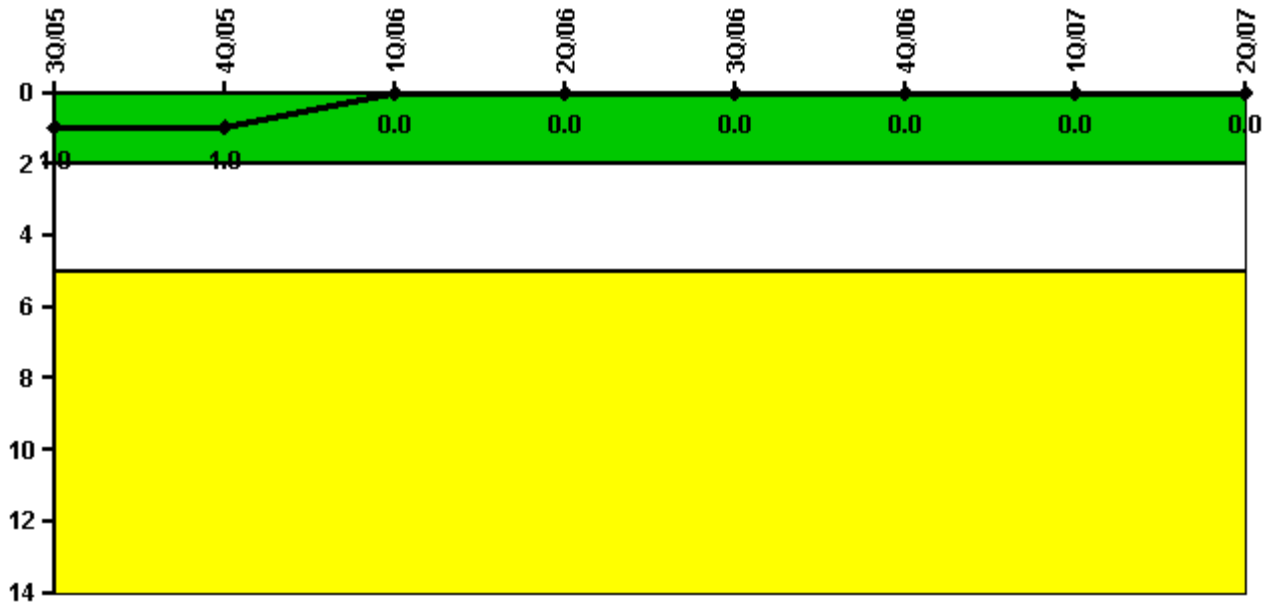
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	77	78	77	78	78	78	76	76
Total sirens-tests	77	78	78	78	78	78	78	78
Indicator value	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.4%	98.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



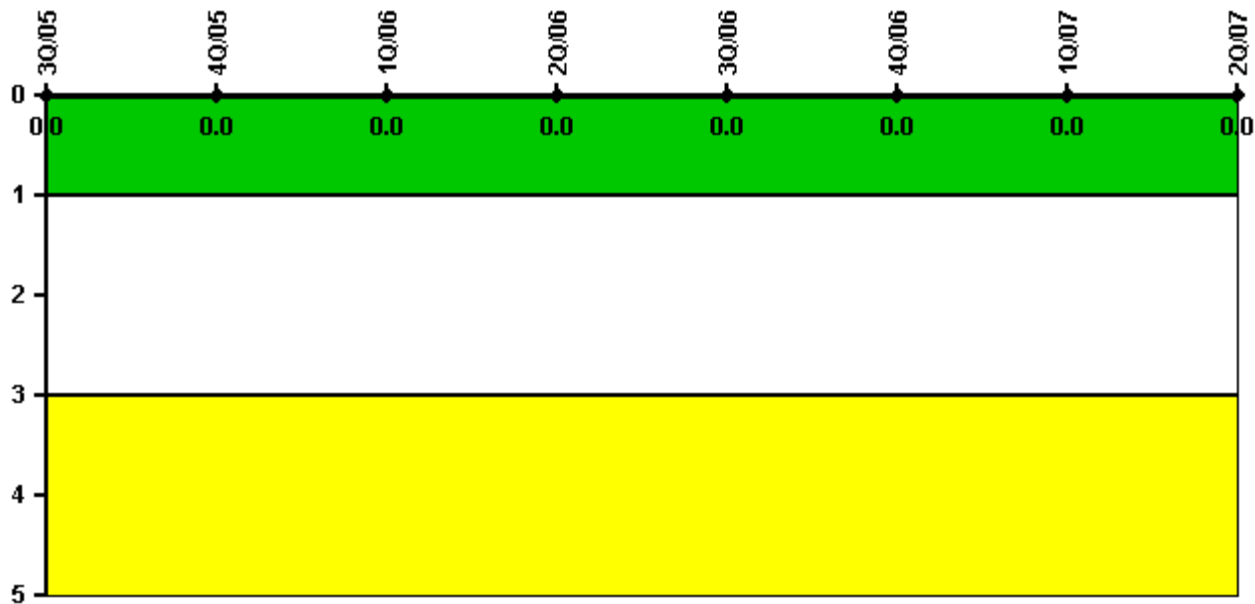
Thresholds: White > 2.0 Yellow > 5.0

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	1	1	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