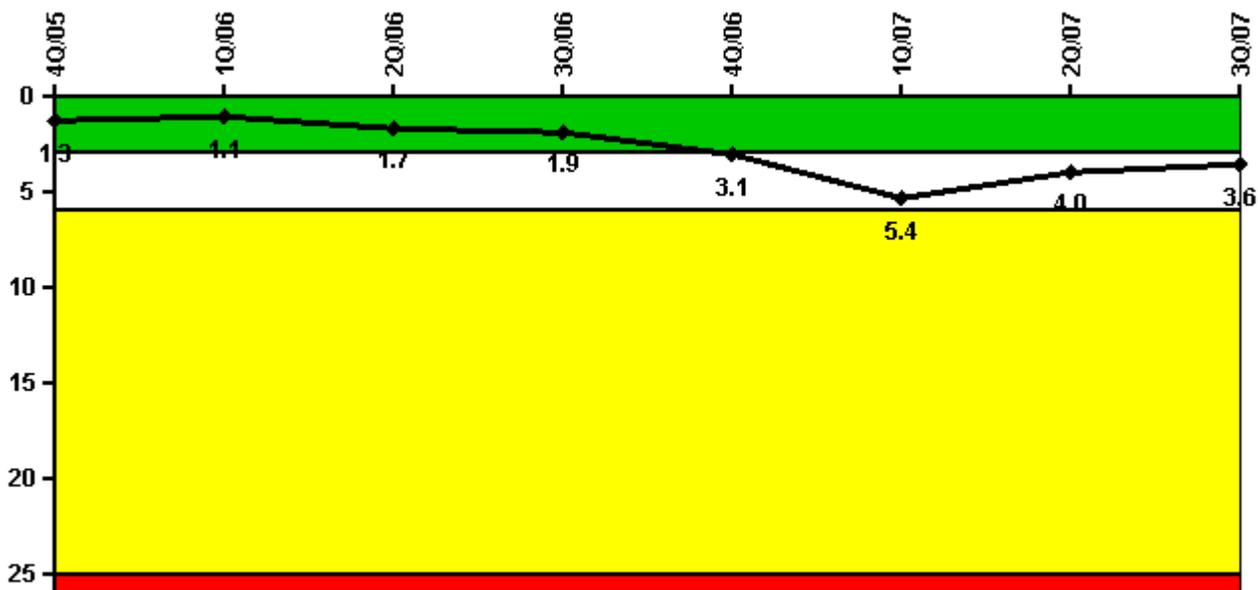


Kewaunee

3Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



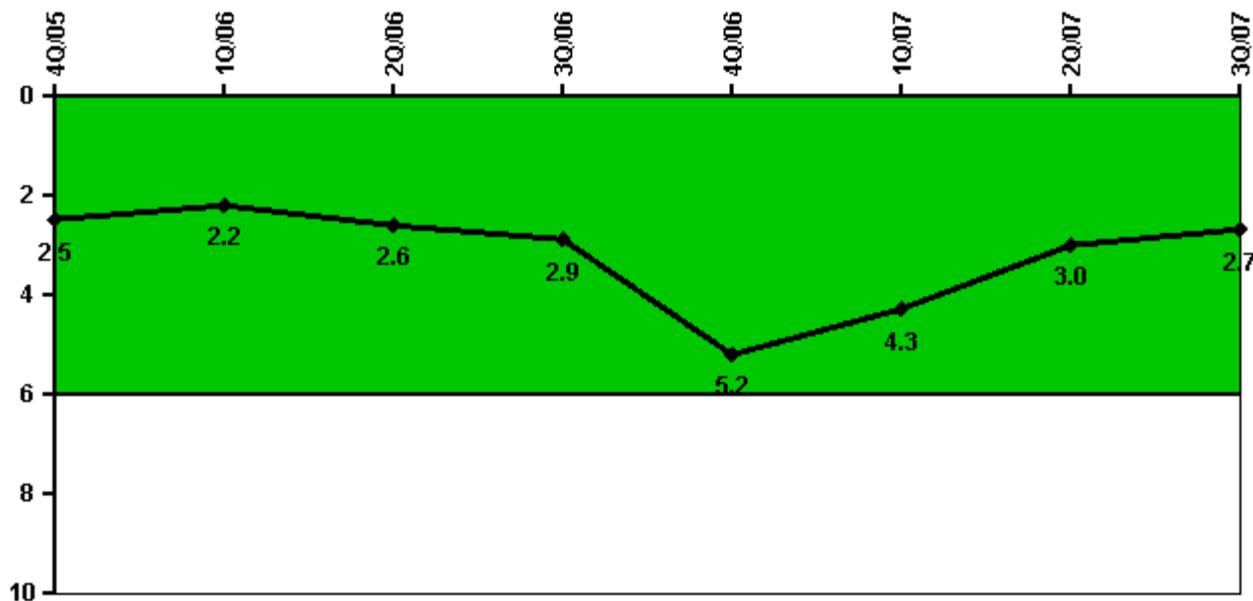
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	1.0	0	1.0	0	2.0	2.0	0	0
Critical hours	2097.8	2160.0	1575.9	1512.7	1505.1	1870.0	2184.0	2208.0
Indicator value	1.3	1.1	1.7	1.9	3.1	5.4	4.0	3.6

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



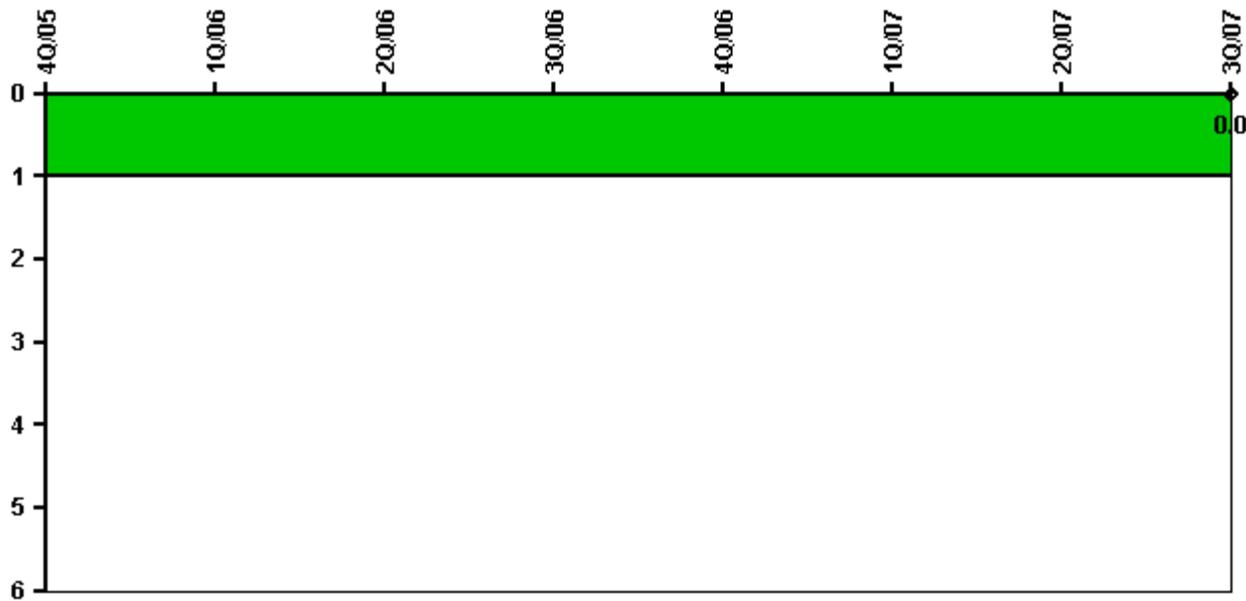
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	1.0	1.0	1.0	0	3.0	0	0	0
Critical hours	2097.8	2160.0	1575.9	1512.7	1505.1	1870.0	2184.0	2208.0
Indicator value	2.5	2.2	2.6	2.9	5.2	4.3	3.0	2.7

Licensee Comments: none

Unplanned Scrams with Complications



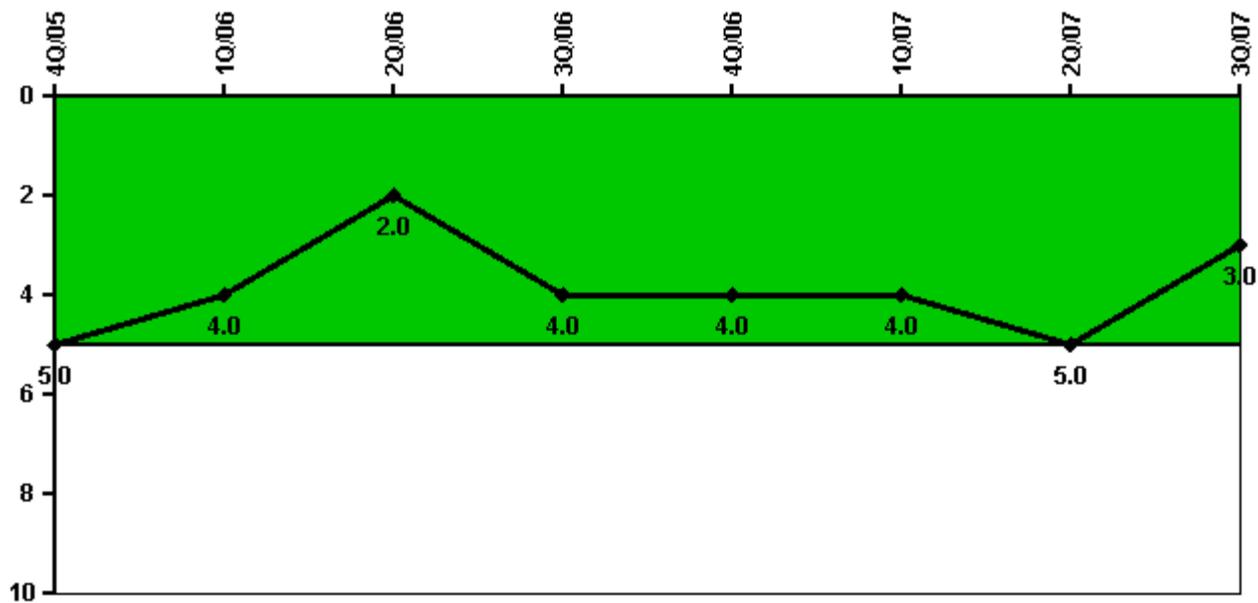
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Scrams with complications					0	0	0	0
Indicator value								0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



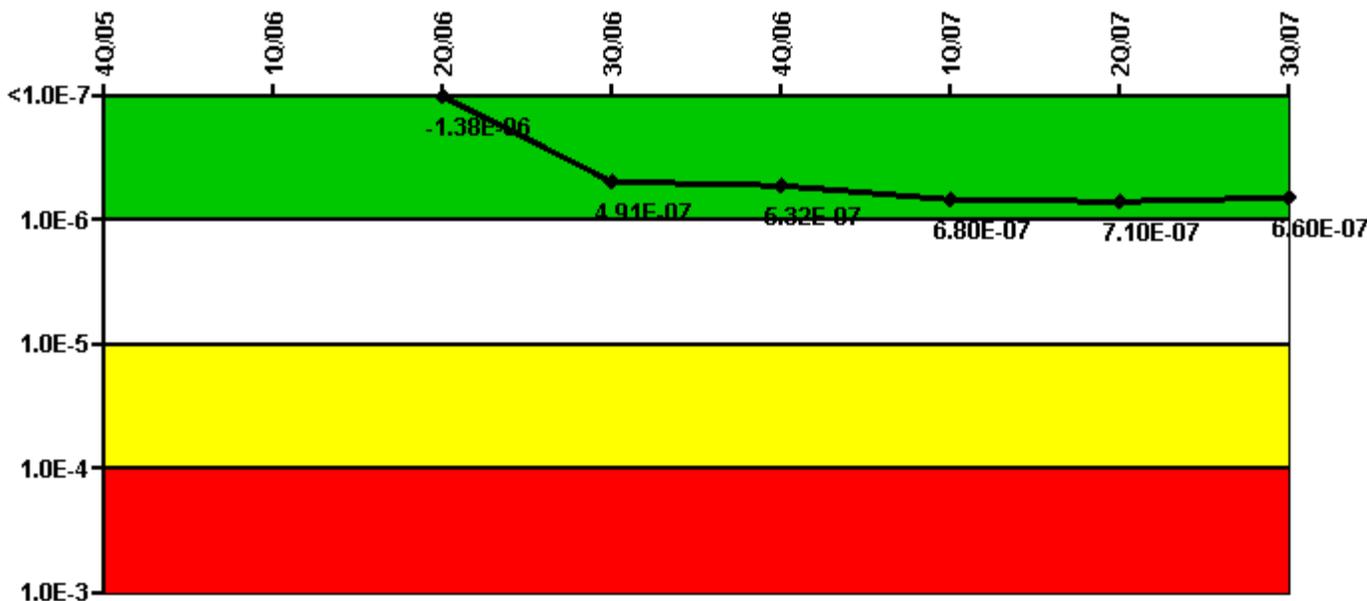
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Safety System Functional Failures	1	0	1	2	1	0	2	0
Indicator value	5	4	2	4	4	4	5	3

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/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-8.00E-08	-3.90E-08	-8.30E-09	1.60E-07	1.90E-07	1.40E-07
URI (ΔCDF)			-1.30E-06	5.30E-07	5.40E-07	5.20E-07	5.20E-07	5.20E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-1.38E-06	4.91E-07	5.32E-07	6.80E-07	7.10E-07	6.60E-07

Licensee Comments:

3Q/07: A total of 1193.9 hours of unplanned unavailability were removed from June, July and August of 2006 for Emergency AC Train A, as a result of resolution of FAQ 69.2. The date of associated failure number 746 was also moved from June 28, 2006 to August 17, 2006. Failure number 826 was evaluated and determined not to be a MSPI failure for Diesel Generator A in March 2007. The removal of this failure and the removal of the 1193.9 hours of unplanned unavailability associated with failure number 826 resulted in the MSPI EAC indicator changing from WHITE to GREEN.

2Q/07: 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".

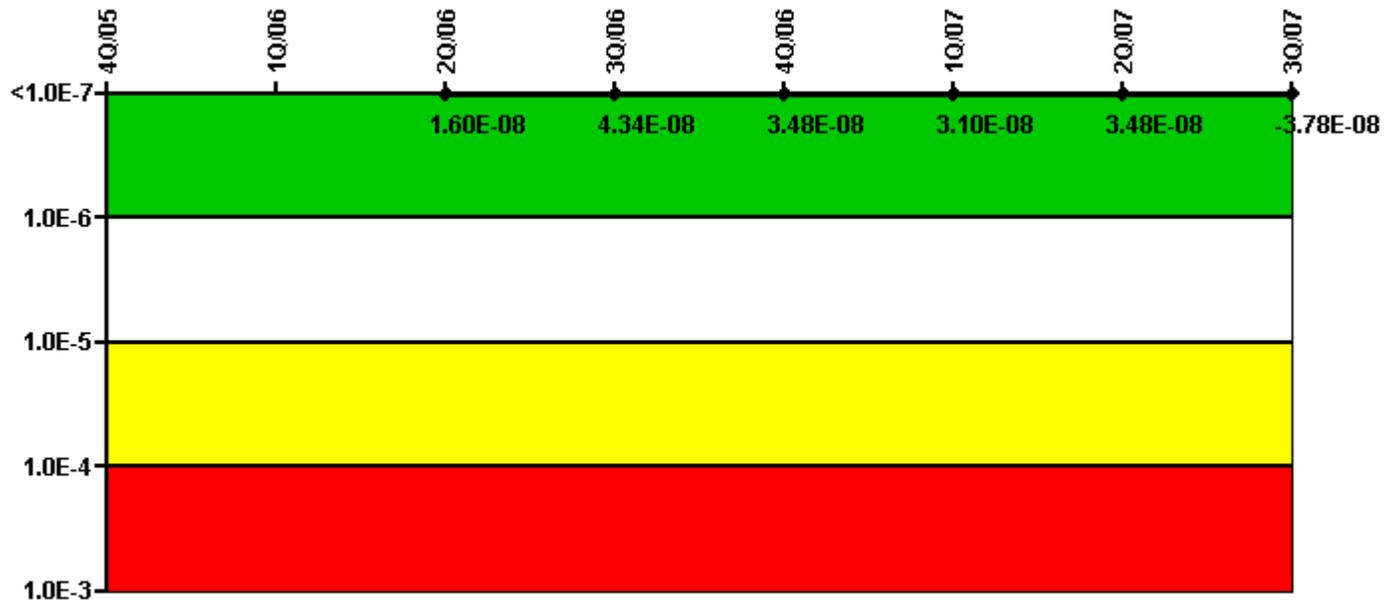
1Q/07: 7/19/07 Based on an evaluation, one MSPI failure was deleted from DG "B" regarding the DG load issue during the first quarter of 2007. Further evaluation continues on DG "A". 3/31/07 - Two failures were taken for Emergency AC for MSPI in first quarter 2007. No actual failures occurred. A scenario 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: 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: 10/10/07 -- FAQ APPEAL APPROVED -- UPDATED ACCORDINGLY. 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: 10/10/07 -- FAQ APPEAL APPROVED -- UPDATED ACCORDINGLY. 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

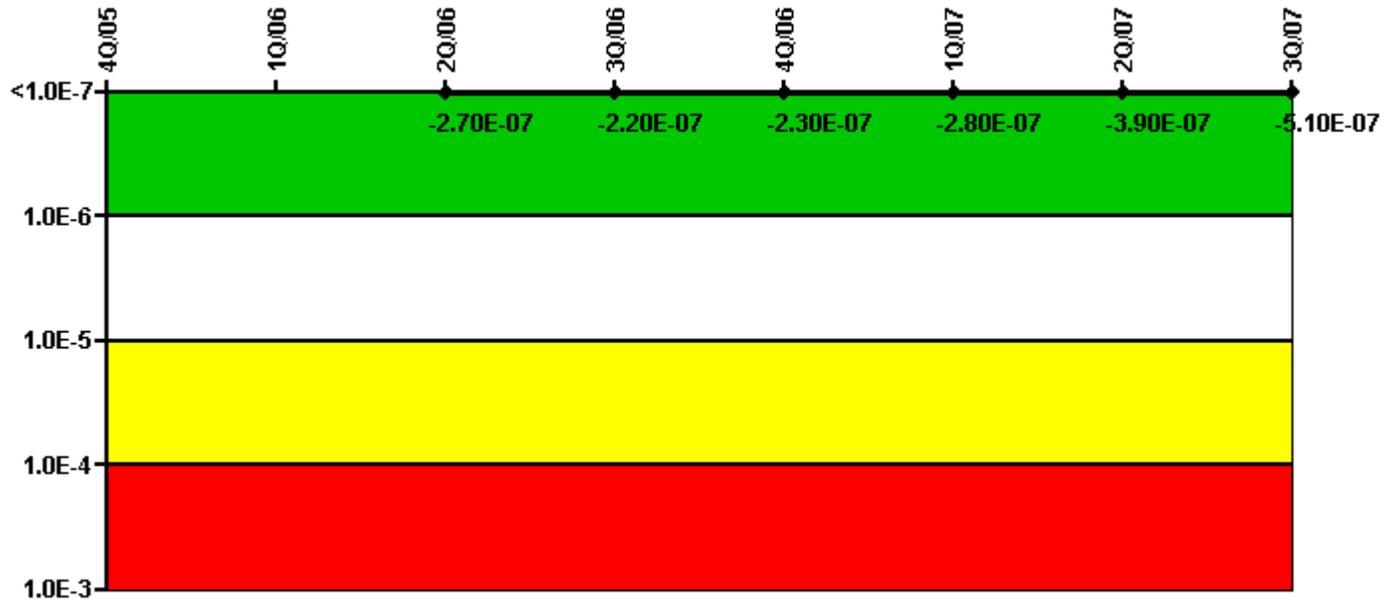
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-5.00E-09	-5.60E-09	-6.20E-09	-1.00E-08	-6.20E-09	-2.80E-09
URI (ΔCDF)			2.10E-08	4.90E-08	4.10E-08	4.10E-08	4.10E-08	-3.50E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			1.60E-08	4.34E-08	3.48E-08	3.10E-08	3.48E-08	-3.78E-08

Licensee Comments:

3Q/06: 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.

Mitigating Systems Performance Index, Heat Removal System



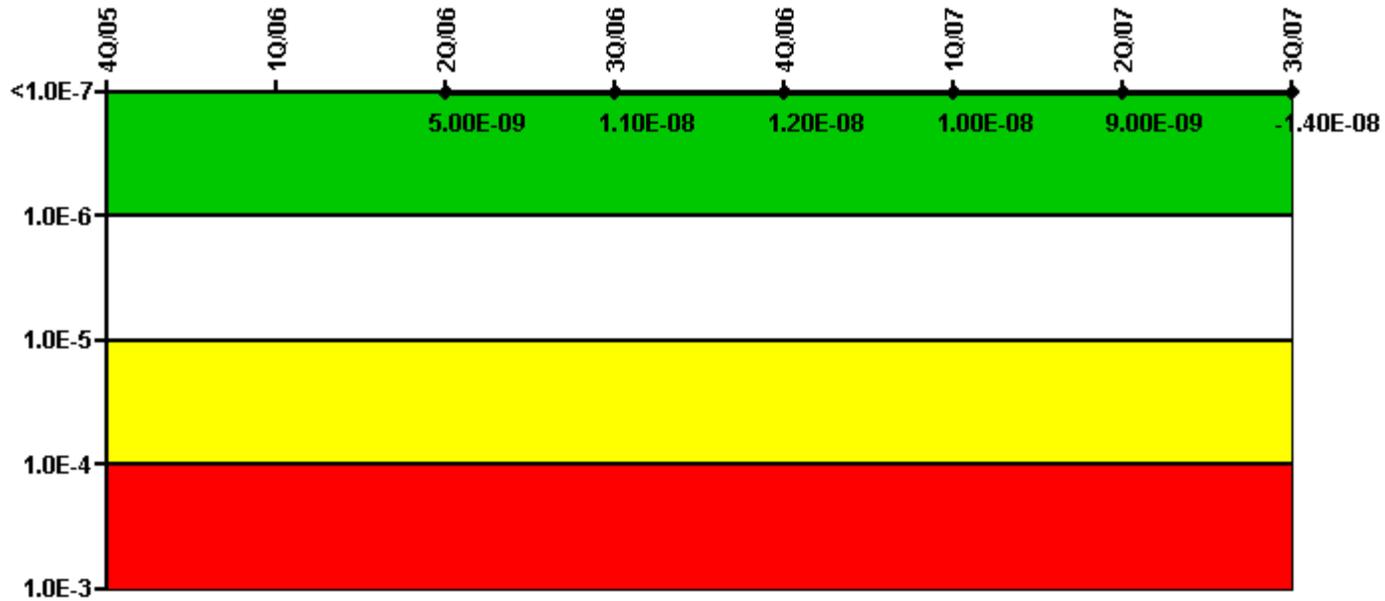
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			$2.30E-07$	$2.10E-07$	$2.20E-07$	$2.00E-07$	$1.00E-07$	$4.00E-08$
URI (Δ CDF)			$-5.00E-07$	$-4.30E-07$	$-4.50E-07$	$-4.80E-07$	$-4.90E-07$	$-5.50E-07$
PLE			NO	NO	NO	NO	NO	NO
Indicator value			$-2.70E-07$	$-2.20E-07$	$-2.30E-07$	$-2.80E-07$	$-3.90E-07$	$-5.10E-07$

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

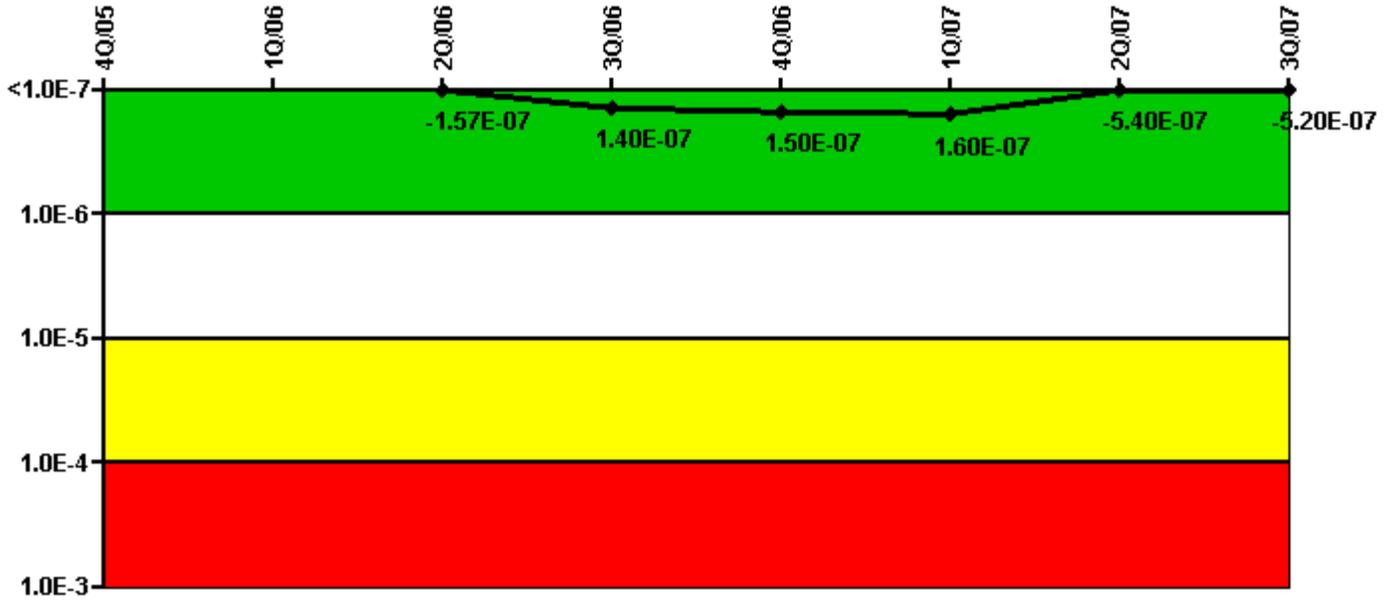
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			2.90E-08	5.90E-08	6.40E-08	6.10E-08	6.00E-08	3.60E-08
URI (Δ CDF)			-2.40E-08	-4.80E-08	-5.20E-08	-5.10E-08	-5.10E-08	-5.00E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			5.00E-09	1.10E-08	1.20E-08	1.00E-08	9.00E-09	1.40E-08

Licensee Comments:

3Q/07: A data error was discovered for second quarter 2005 for the residual heat removal system. Run time and demand data was missing for the month of April for both RHR Pumps. A total of 353.67 hours of run time for Train A and 371.76 hours of run time for Train B and 4 demands for Train A and 2 demands for Train B have been included in the data. The indicator remained GREEN after this data correction.

3Q/06: 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.

Mitigating Systems Performance Index, Cooling Water Systems



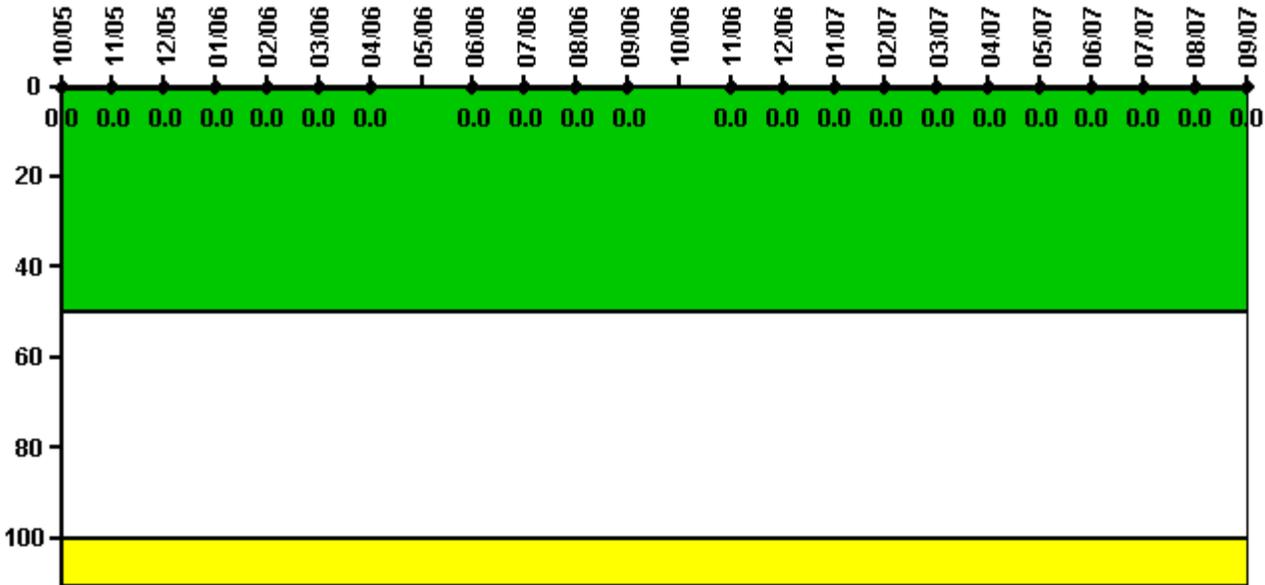
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			$-7.70E-08$	$-1.40E-07$	$-1.40E-07$	$-1.40E-07$	$-1.40E-07$	$-1.30E-07$
URI (Δ CDF)			$-8.00E-08$	$2.80E-07$	$2.90E-07$	$3.00E-07$	$-4.00E-07$	$-3.90E-07$
PLE			NO	NO	NO	NO	NO	NO
Indicator value			$-1.57E-07$	$1.40E-07$	$1.50E-07$	$1.60E-07$	$-5.40E-07$	$-5.20E-07$

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

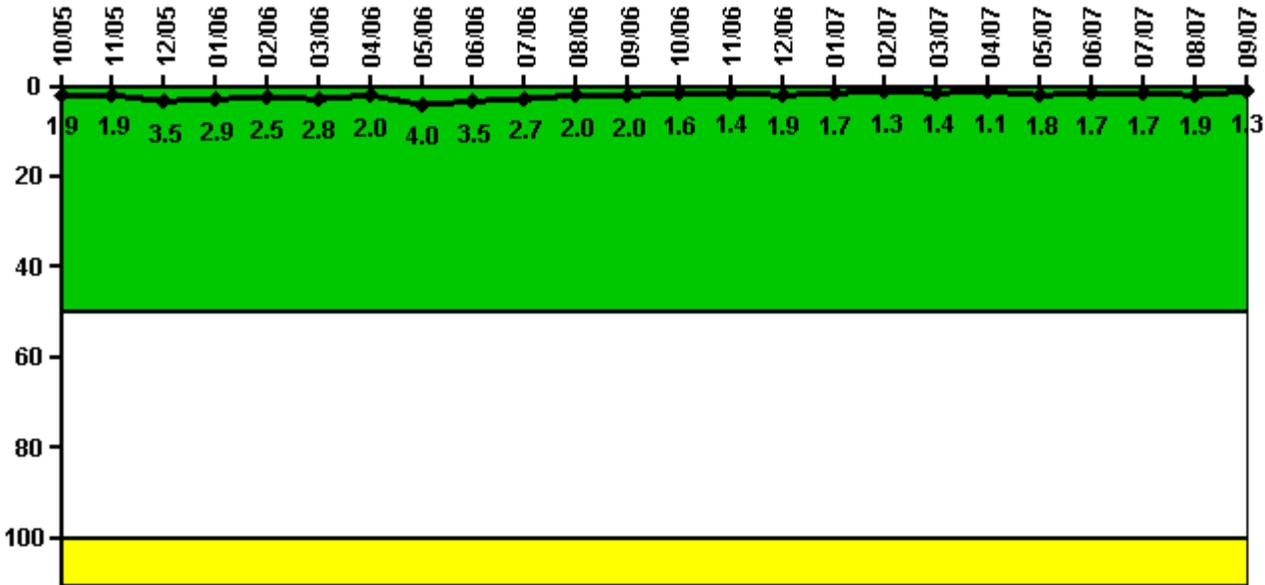
Notes

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	0.000106	0.000091	0.000106	0.000117	0.000101	0.000118	0.000116	N/A	0.000127	0.000125	0.000197	0.000139
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	N/A	0	0	0	0

Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	N/A	0.000076	0.000103	0.000078	0.000082	0.000085	0.000096	0.000094	0.000097	0.000098	0.000103	0.000107
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	N/A	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



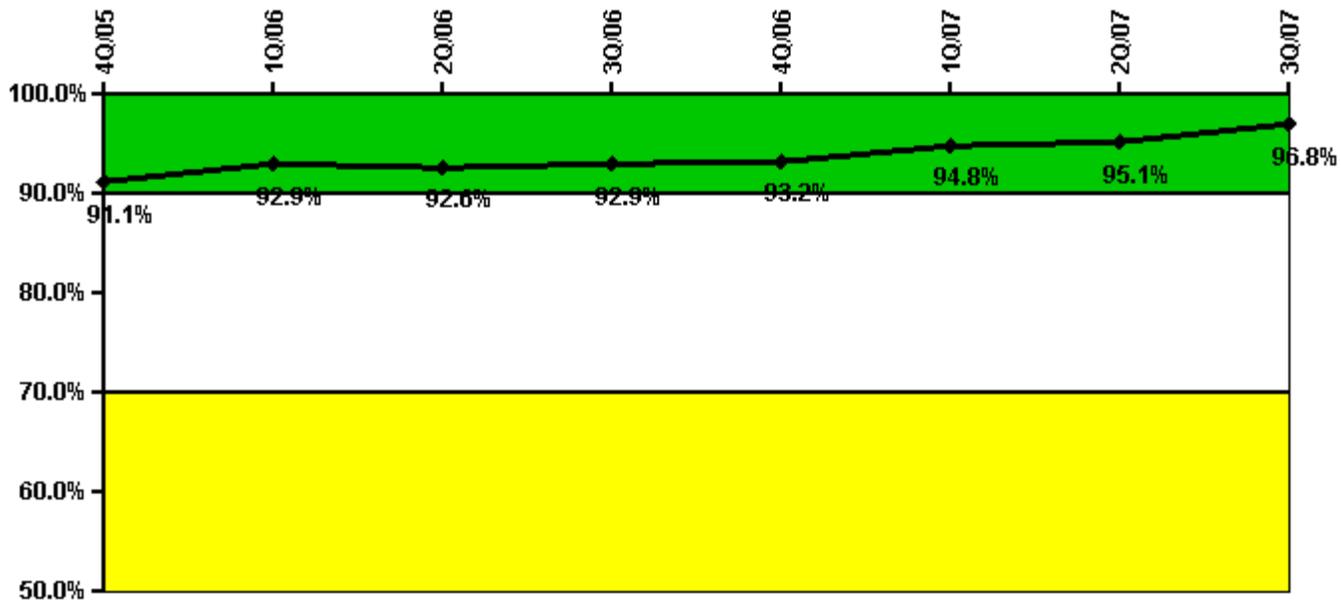
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.188	0.192	0.347	0.285	0.247	0.279	0.197	0.404	0.345	0.268	0.200	0.200
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	1.9	1.9	3.5	2.9	2.5	2.8	2.0	4.0	3.5	2.7	2.0	2.0
Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.157	0.137	0.191	0.171	0.125	0.137	0.114	0.180	0.171	0.166	0.187	0.134
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	1.6	1.4	1.9	1.7	1.3	1.4	1.1	1.8	1.7	1.7	1.9	1.3

Licensee Comments: none

Drill/Exercise Performance



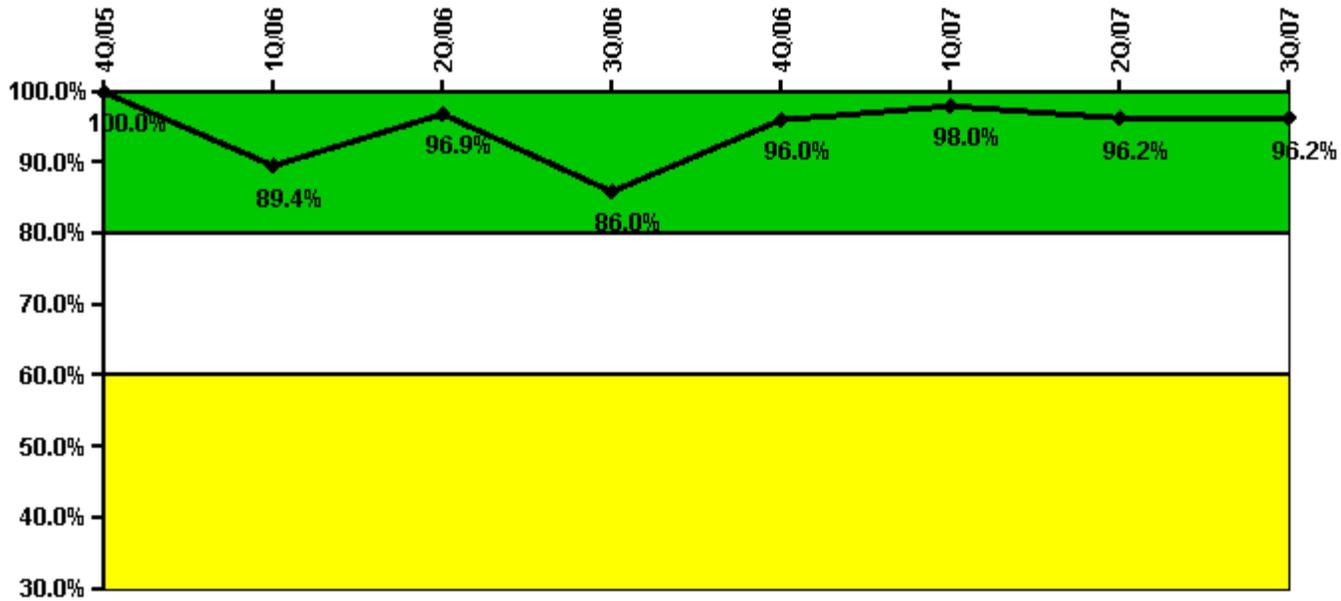
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	49.0	31.0	23.0	6.0	23.0	117.0	34.0	53.0
Total opportunities	52.0	31.0	27.0	6.0	24.0	118.0	35.0	54.0
Indicator value	91.1%	92.9%	92.6%	92.9%	93.2%	94.8%	95.1%	96.8%

Licensee Comments: none

ERO Drill Participation



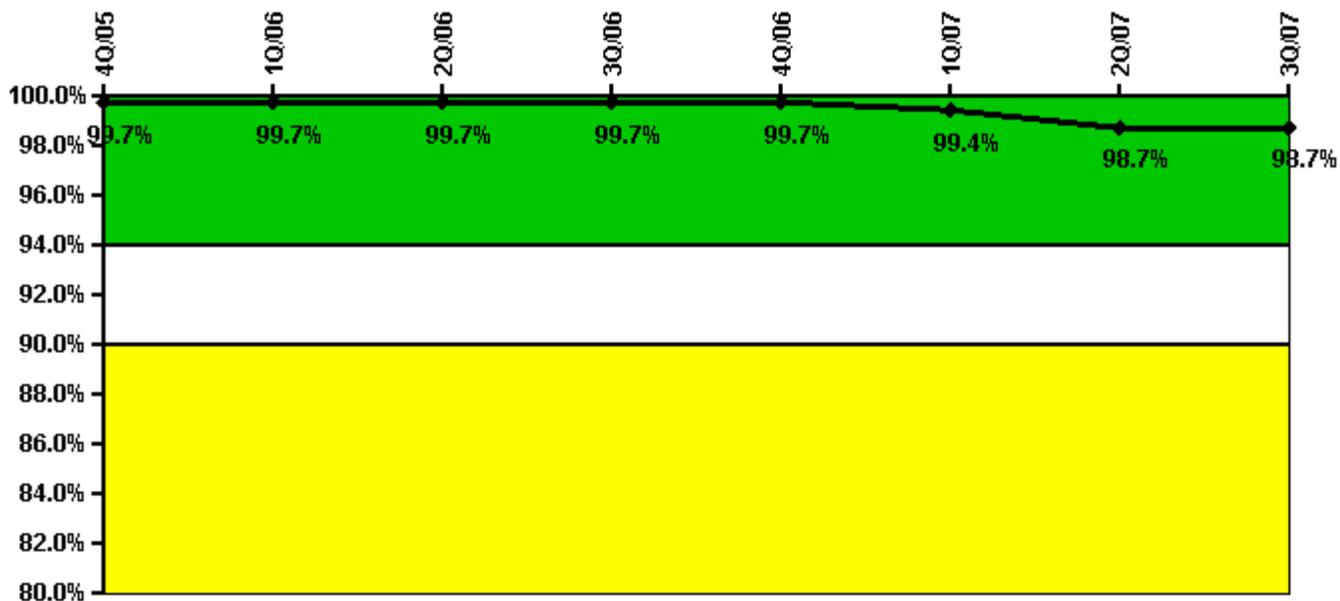
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	61.0	59.0	62.0	43.0	48.0	50.0	50.0	51.0
Total Key personnel	61.0	66.0	64.0	50.0	50.0	51.0	52.0	53.0
Indicator value	100.0%	89.4%	96.9%	86.0%	96.0%	98.0%	96.2%	96.2%

Licensee Comments: none

Alert & Notification System



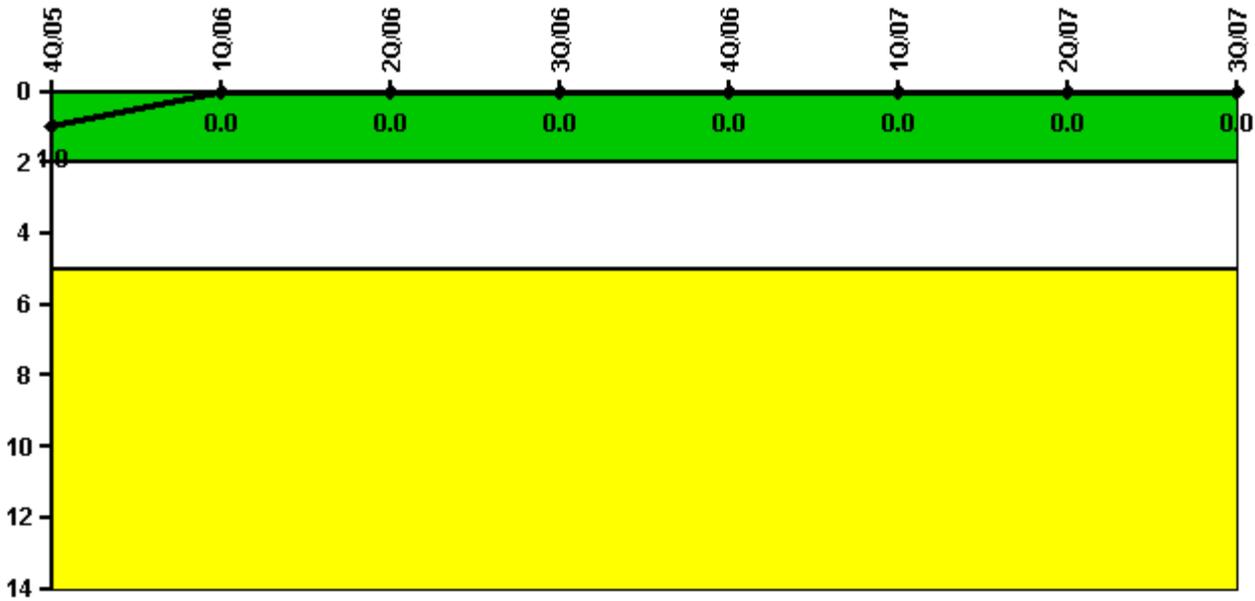
Thresholds: White < 94.0% Yellow < 90.0%

Notes

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

Licensee Comments: none

Occupational Exposure Control Effectiveness



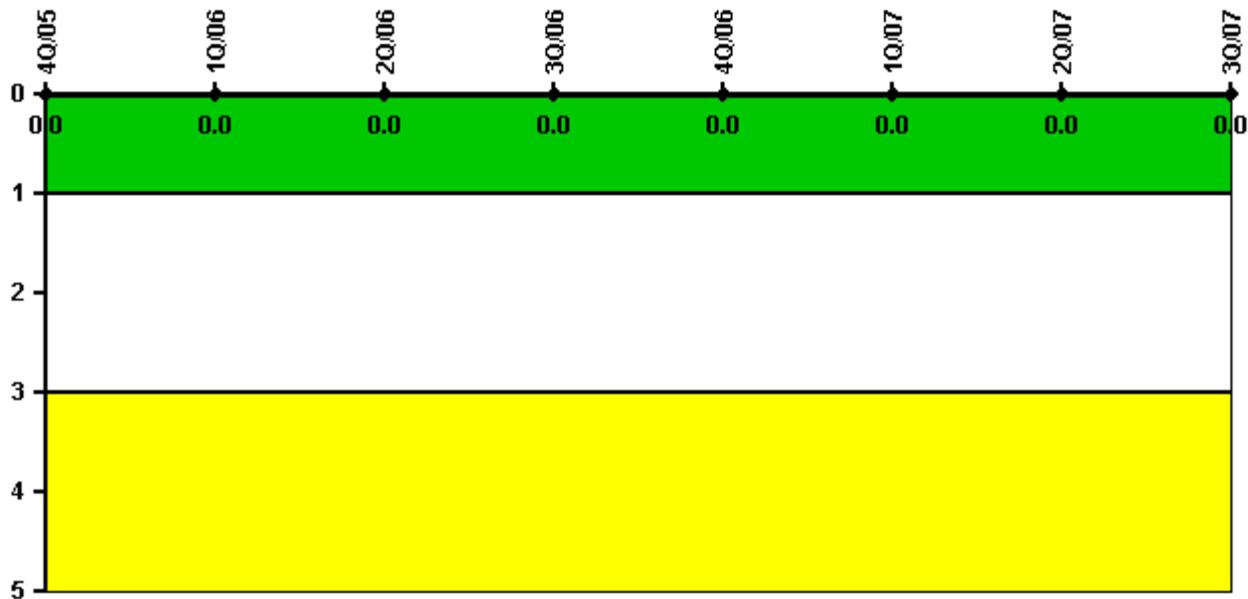
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/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	0						

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/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.