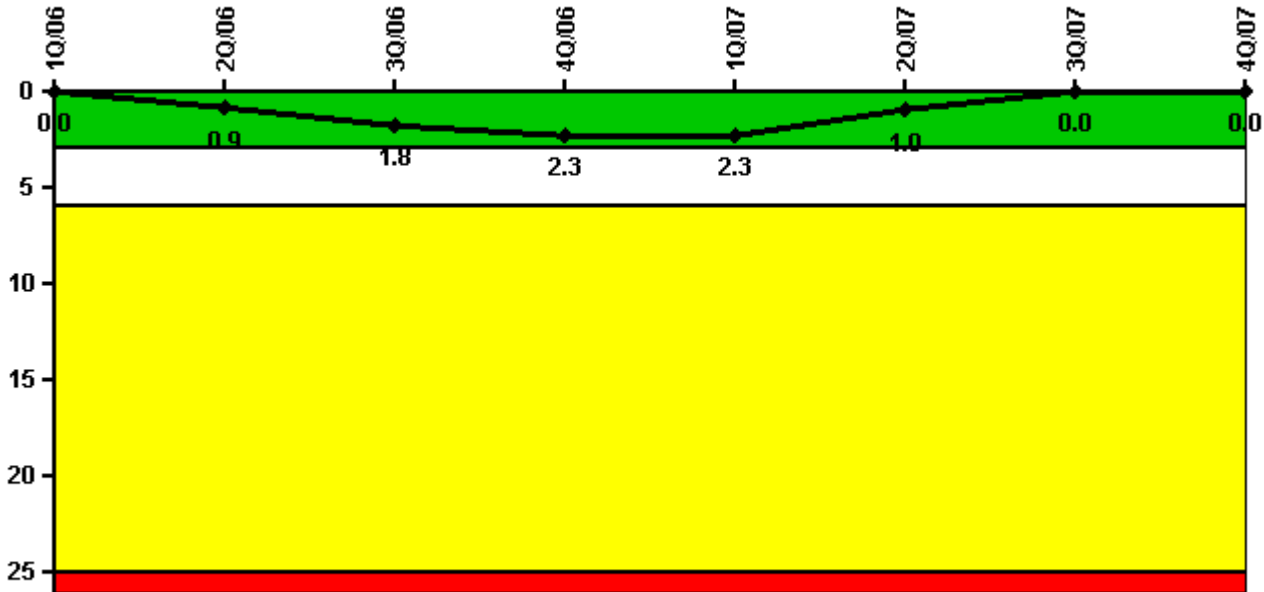


Watts Bar 1

4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



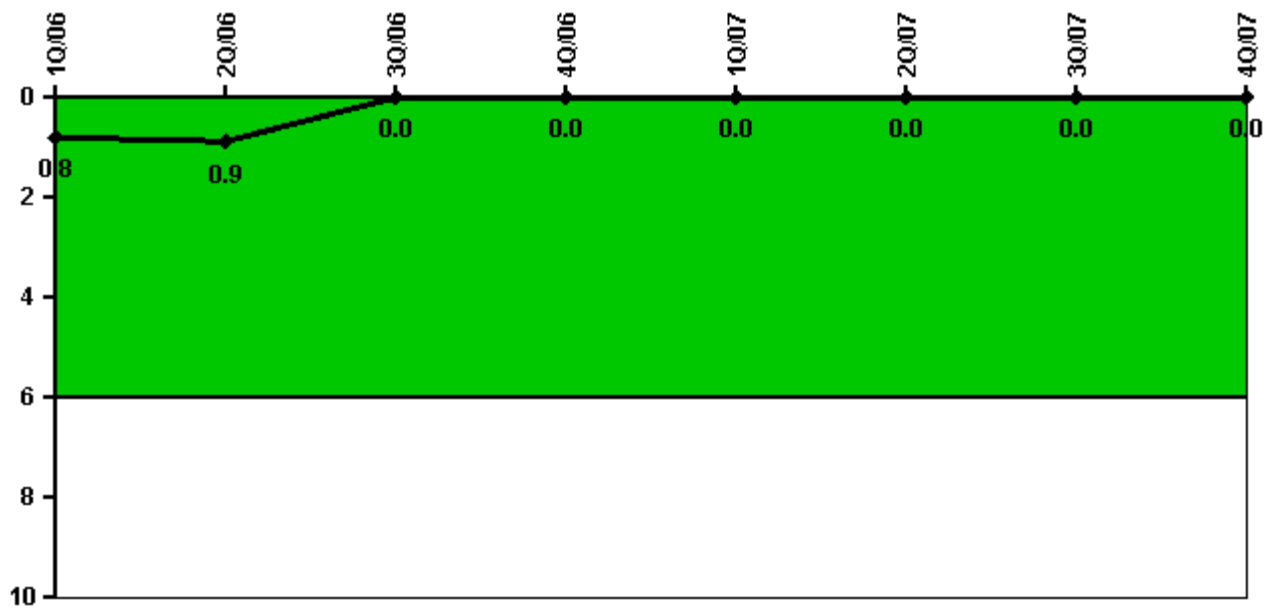
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	1.0	1.0	0	0	0	0	0
Critical hours	2160.0	1592.1	1639.2	757.3	2159.0	2184.0	2208.0	2209.0
Indicator value	0	0.9	1.8	2.3	2.3	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



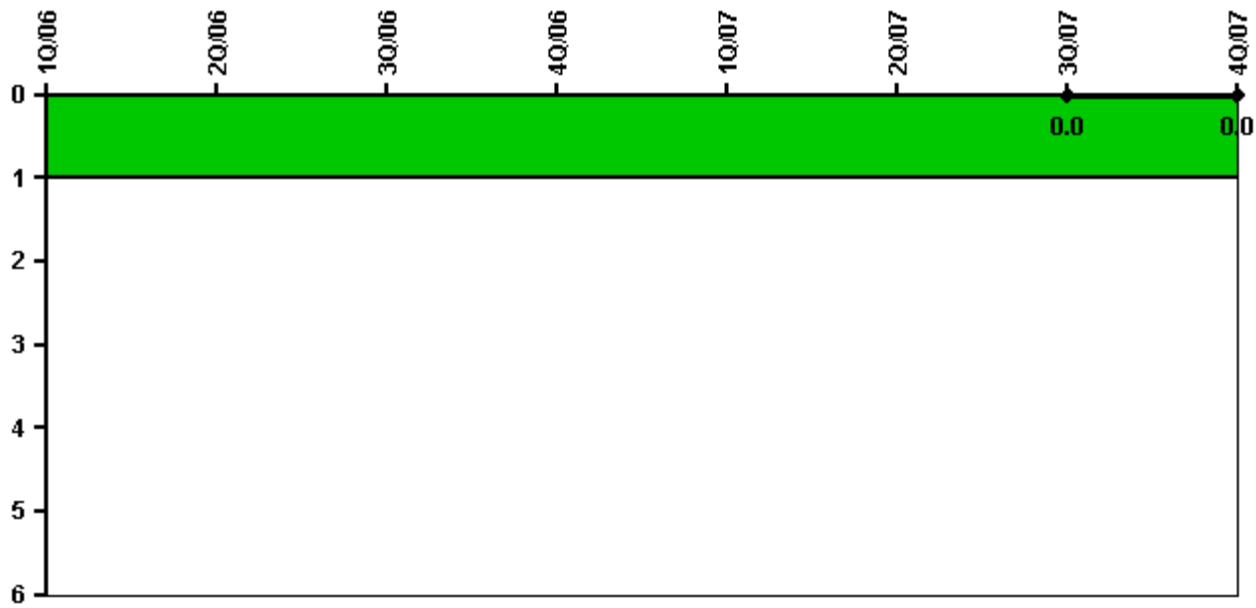
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2160.0	1592.1	1639.2	757.3	2159.0	2184.0	2208.0	2209.0
Indicator value	0.8	0.9	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



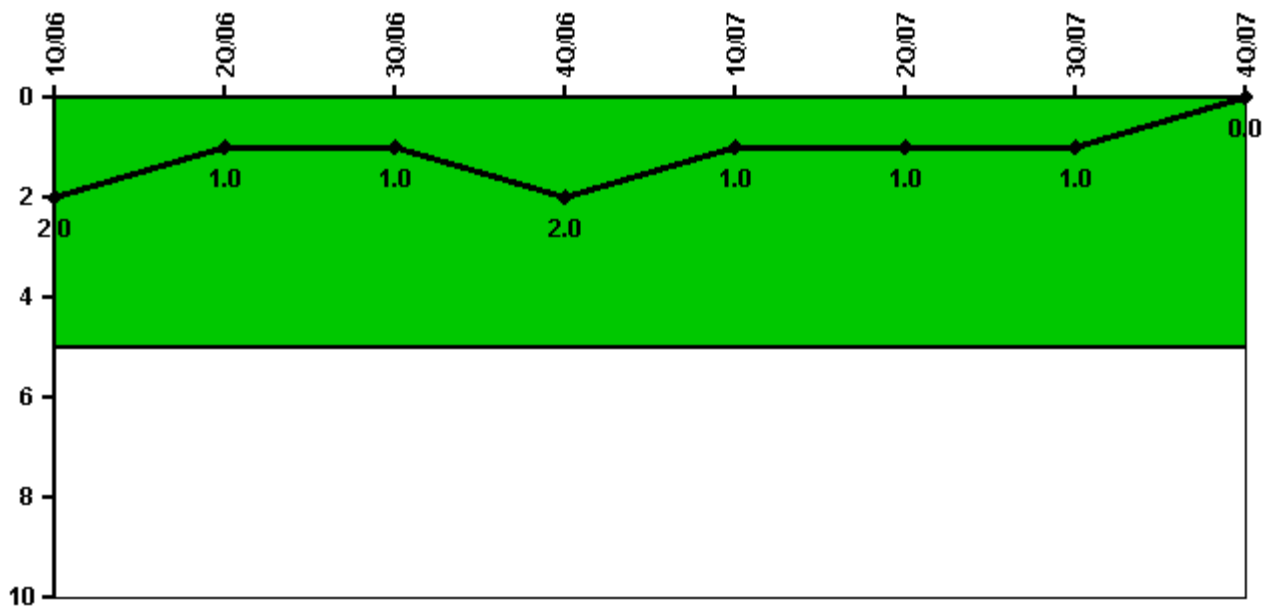
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



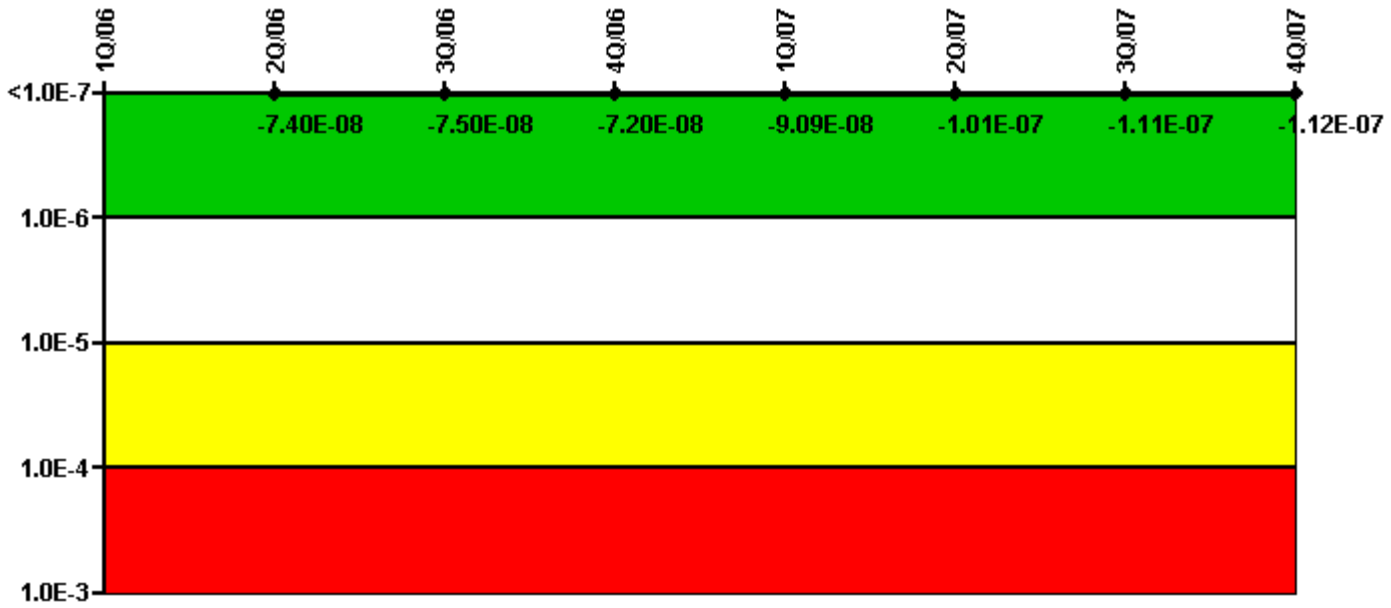
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



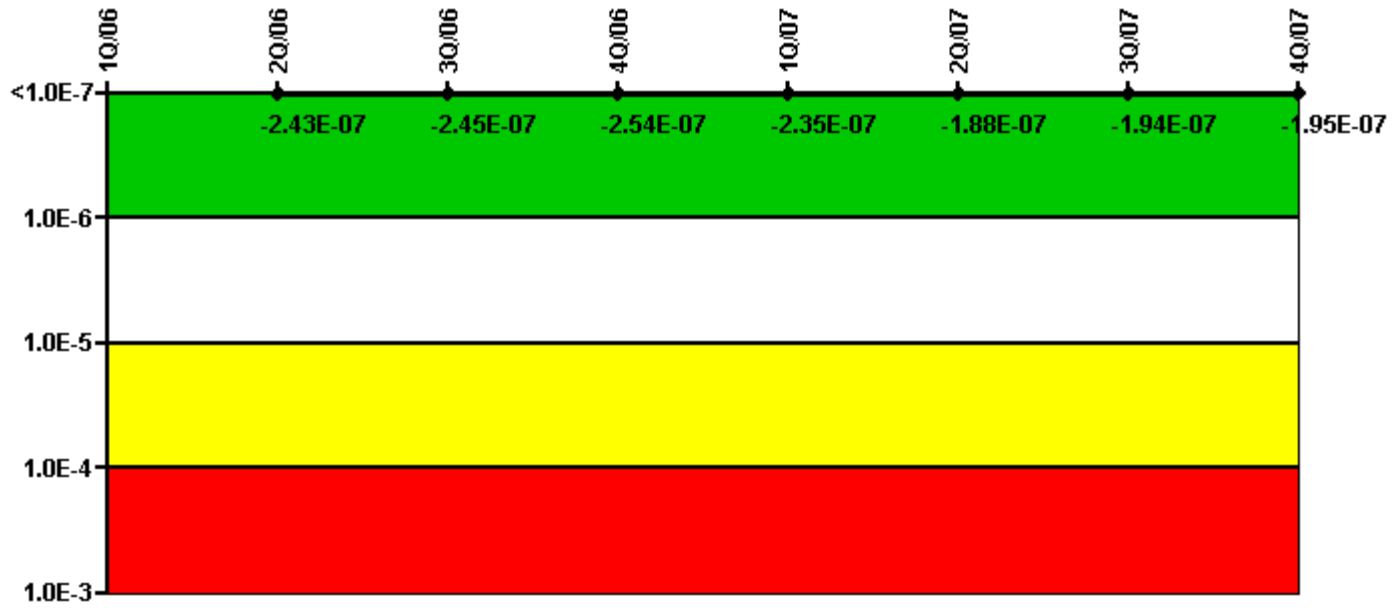
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		$1.90E-08$	$1.80E-08$	$2.10E-08$	$2.10E-09$	$2.90E-08$	$1.90E-08$	$1.80E-08$
URI (Δ CDF)		$-9.30E-08$	$-9.30E-08$	$-9.30E-08$	$-9.30E-08$	$-1.30E-07$	$-1.30E-07$	$-1.30E-07$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$-7.40E-08$	$-7.50E-08$	$-7.20E-08$	$-9.09E-08$	$-1.01E-07$	$-1.11E-07$	$-1.12E-07$

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



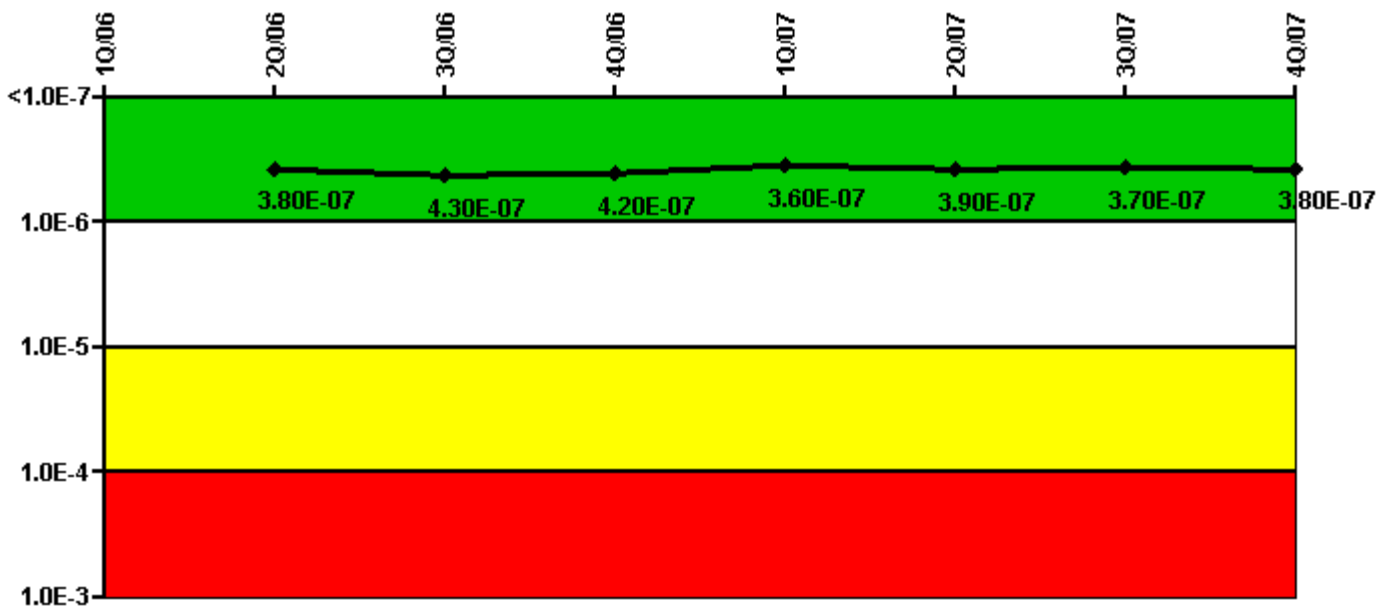
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		7.20E-09	4.80E-09	-4.10E-09	1.50E-08	2.20E-08	1.60E-08	1.50E-08
URI (Δ CDF)		-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.10E-07	-2.10E-07	-2.10E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-2.43E-07	-2.45E-07	-2.54E-07	-2.35E-07	-1.88E-07	-1.94E-07	-1.95E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



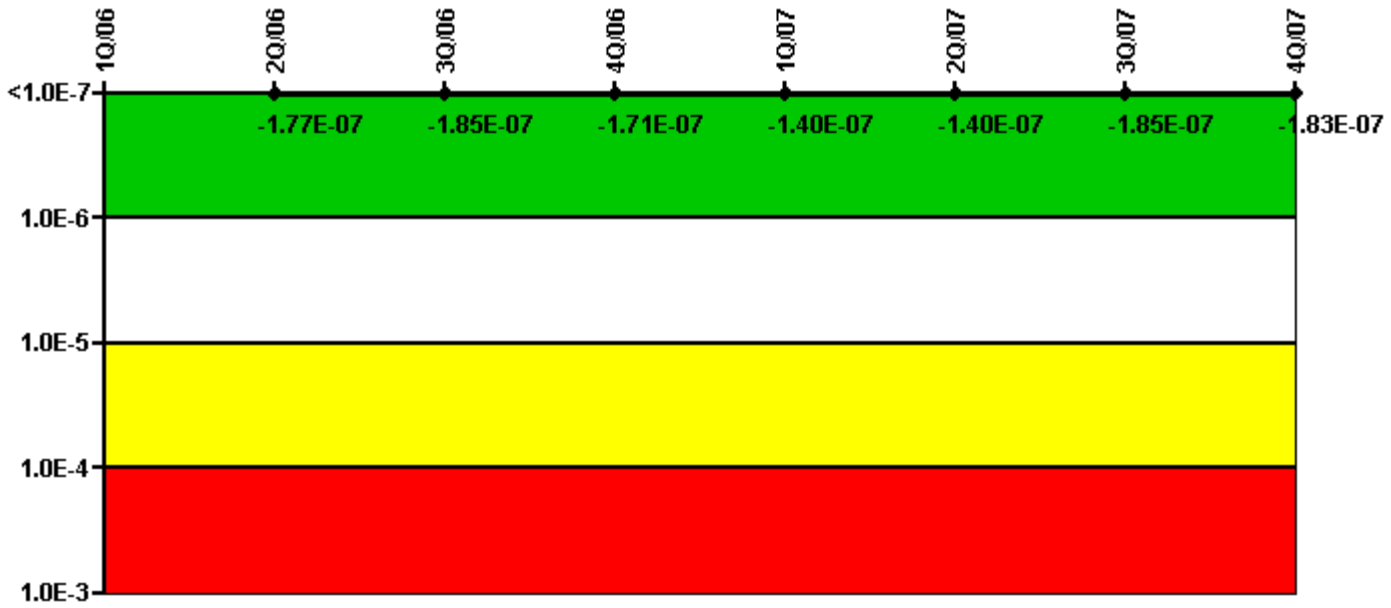
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		2.10E-07	2.60E-07	2.50E-07	1.90E-07	2.20E-07	2.00E-07	2.10E-07
URI (Δ CDF)		1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		3.80E-07	4.30E-07	4.20E-07	3.60E-07	3.90E-07	3.70E-07	3.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



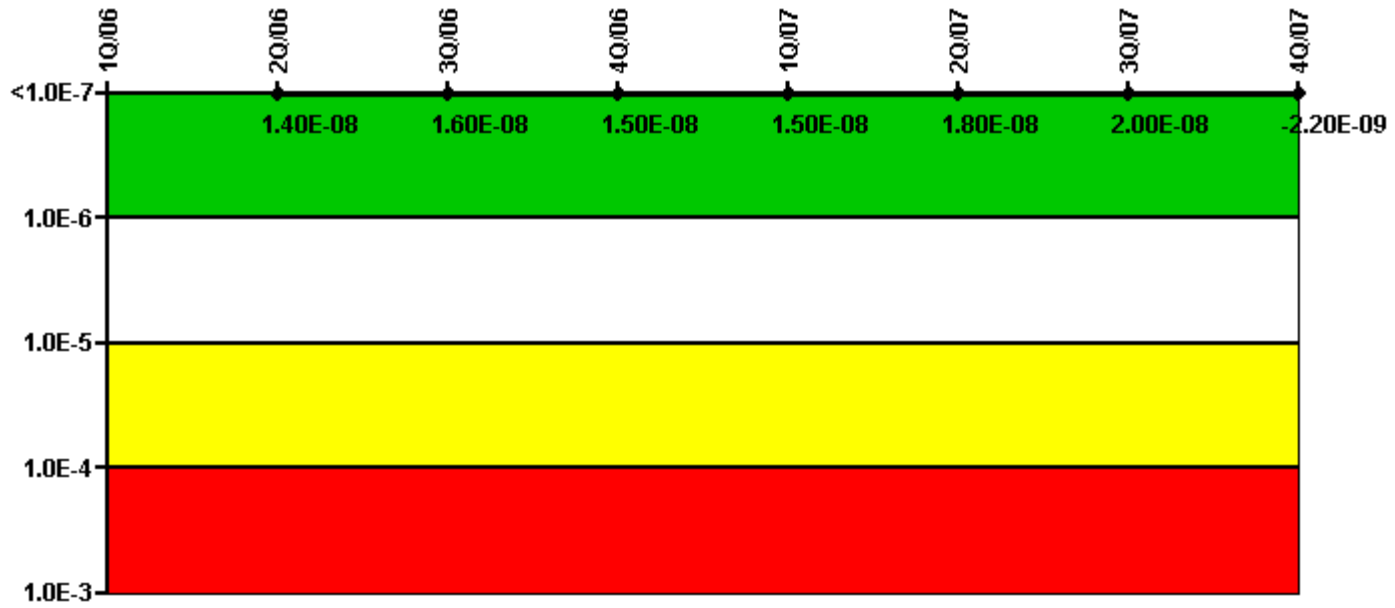
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		7.30E-08	6.50E-08	7.90E-08	1.10E-07	1.10E-07	6.50E-08	6.70E-08
URI (Δ CDF)		-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-1.77E-07	-1.85E-07	-1.71E-07	-1.40E-07	-1.40E-07	-1.85E-07	-1.83E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



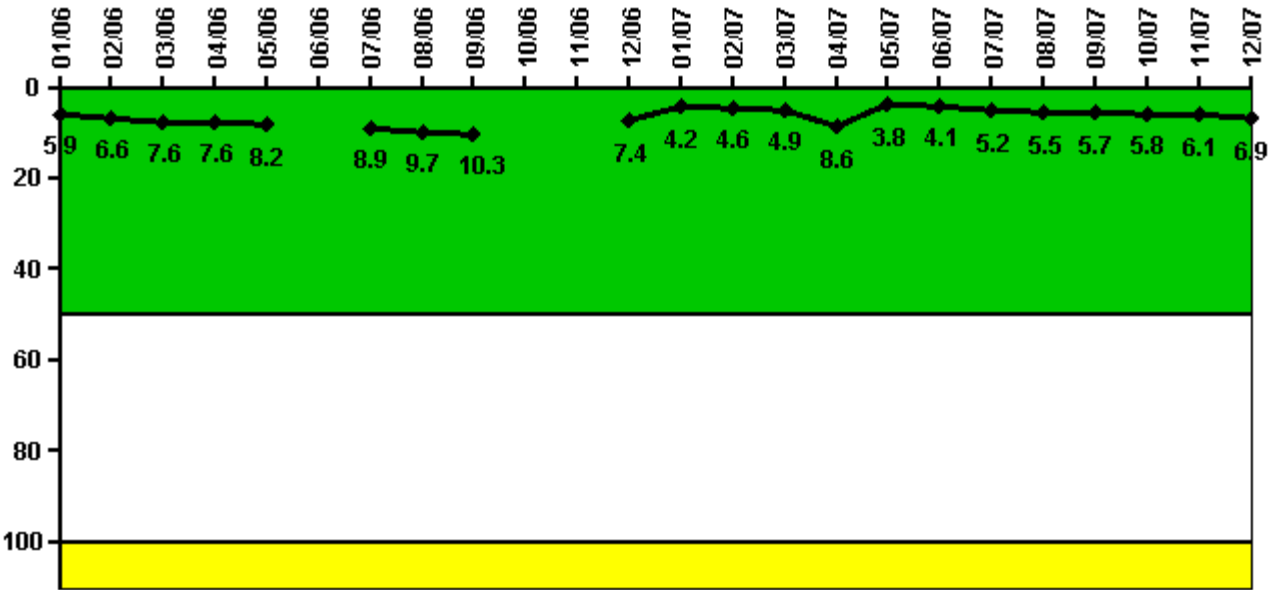
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		$2.20E-08$	$2.40E-08$	$2.30E-08$	$2.30E-08$	$2.60E-08$	$2.80E-08$	$5.80E-09$
URI (ΔCDF)		$-8.00E-09$	$-8.00E-09$	$-8.00E-09$	$-8.00E-09$	$-8.00E-09$	$-8.00E-09$	$-8.00E-09$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$1.40E-08$	$1.60E-08$	$1.50E-08$	$1.50E-08$	$1.80E-08$	$2.00E-08$	$-2.20E-09$

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

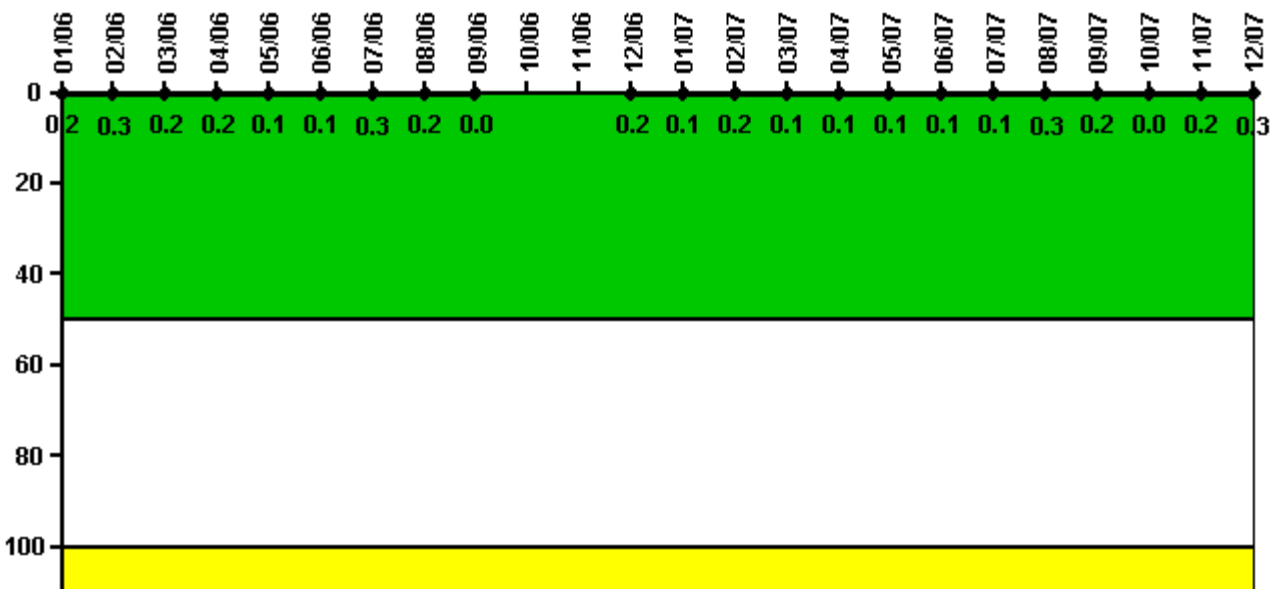
Notes

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	0.015620	0.017400	0.020090	0.020250	0.021810	N/A	0.023580	0.025830	0.027340	N/A	N/A	0.019700
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	5.9	6.6	7.6	7.6	8.2	N/A	8.9	9.7	10.3	N/A	N/A	7.4

Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.011260	0.012140	0.012930	0.022820	0.010070	0.010800	0.013820	0.014690	0.015080	0.015470	0.016290	0.018200
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	4.2	4.6	4.9	8.6	3.8	4.1	5.2	5.5	5.7	5.8	6.1	6.9

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

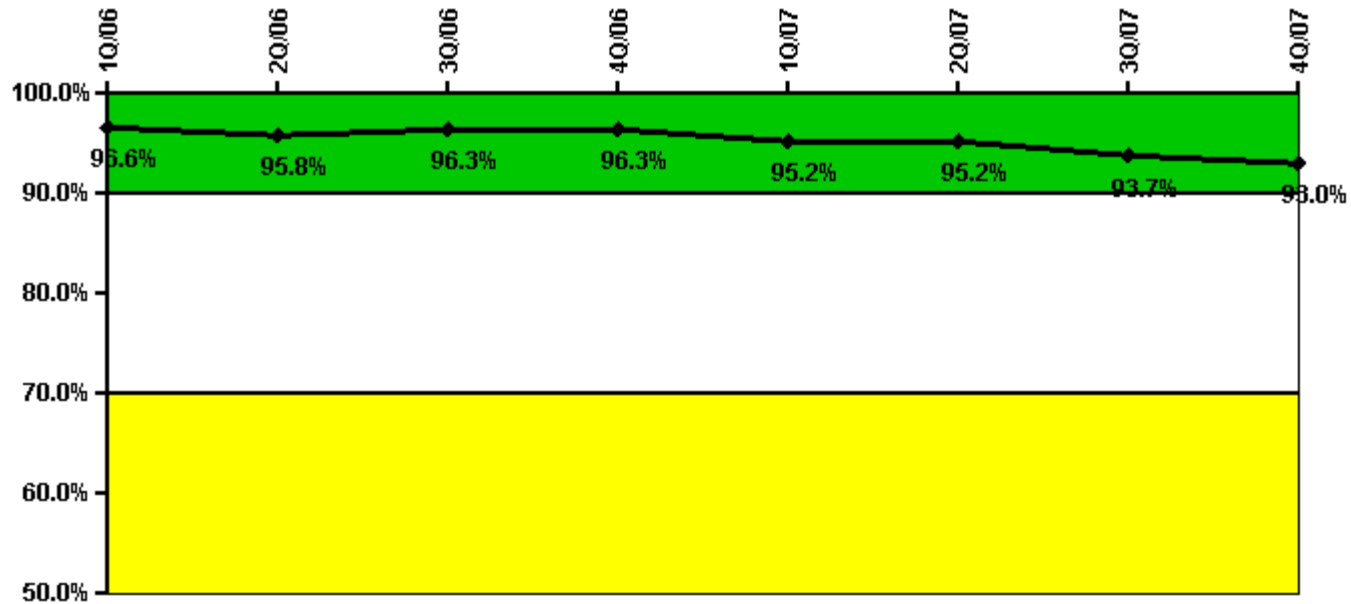
Notes

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	0.020	0.030	0.020	0.020	0.010	0.010	0.030	0.020	0	N/A	N/A	0.020
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	0.2	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0	N/A	N/A	0.2

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.030	0.020	0	0.020	0.030
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	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0	0.2	0.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

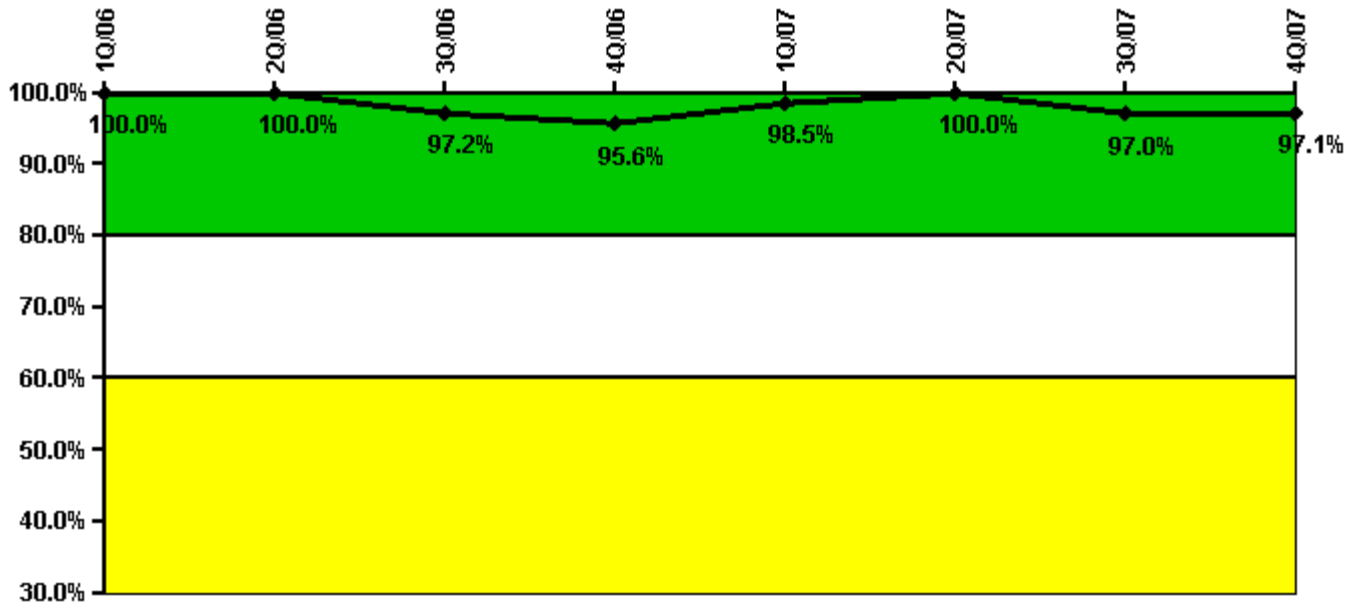
Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	27.0	14.0	33.0	2.0	21.0	4.0	22.0	23.0
Total opportunities	30.0	16.0	34.0	2.0	23.0	4.0	24.0	24.0
Indicator value	96.6%	95.8%	96.3%	96.3%	95.2%	95.2%	93.7%	93.0%

Licensee Comments:

3Q/07: 3Q2007 - Change to the Emergency Response Organization (ERO) Drill / Exercise Performance indicator for the month of September 2007. The total drill, exer & event opportunities were changed from 10 to 22 and the successful drill, exer & event opportunities were changed from 9 to 20 due to missed operator training opportunities. This change does not affect the color of the indicator.

ERO Drill Participation



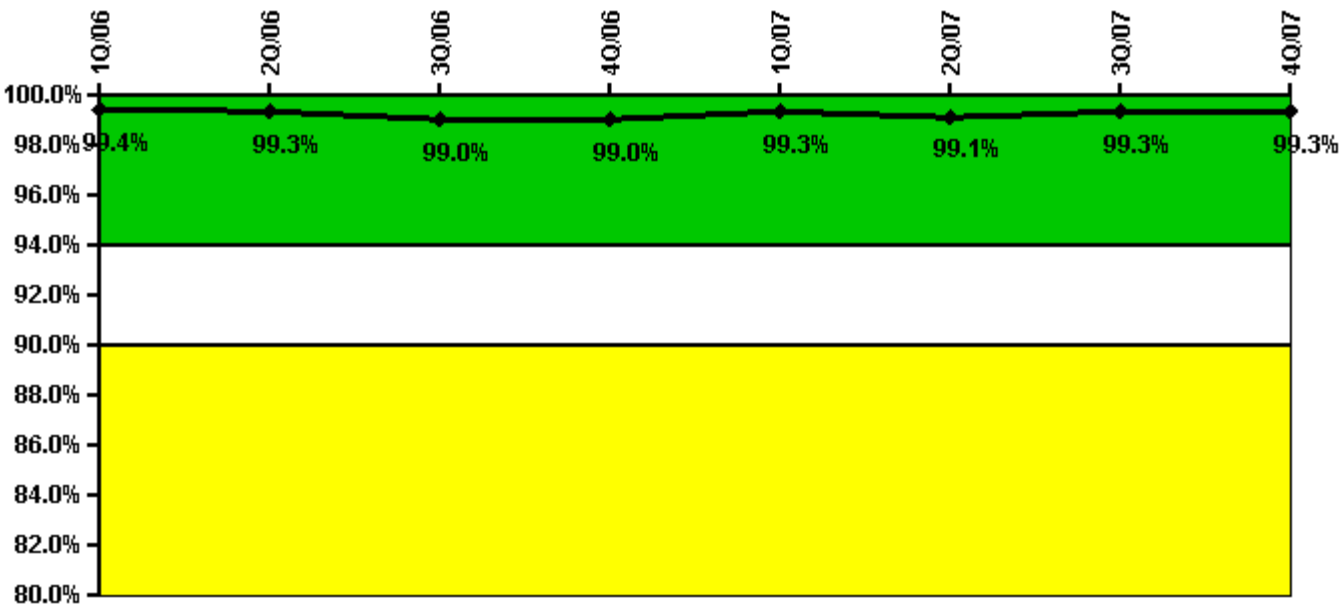
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	73.0	77.0	69.0	65.0	66.0	58.0	65.0	68.0
Total Key personnel	73.0	77.0	71.0	68.0	67.0	58.0	67.0	70.0
Indicator value	100.0%	100.0%	97.2%	95.6%	98.5%	100.0%	97.0%	97.1%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	685	788	778	788	692	784	782	887
Total sirens-tests	693	792	792	792	693	792	792	891
Indicator value	99.4%	99.3%	99.0%	99.0%	99.3%	99.1%	99.3%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



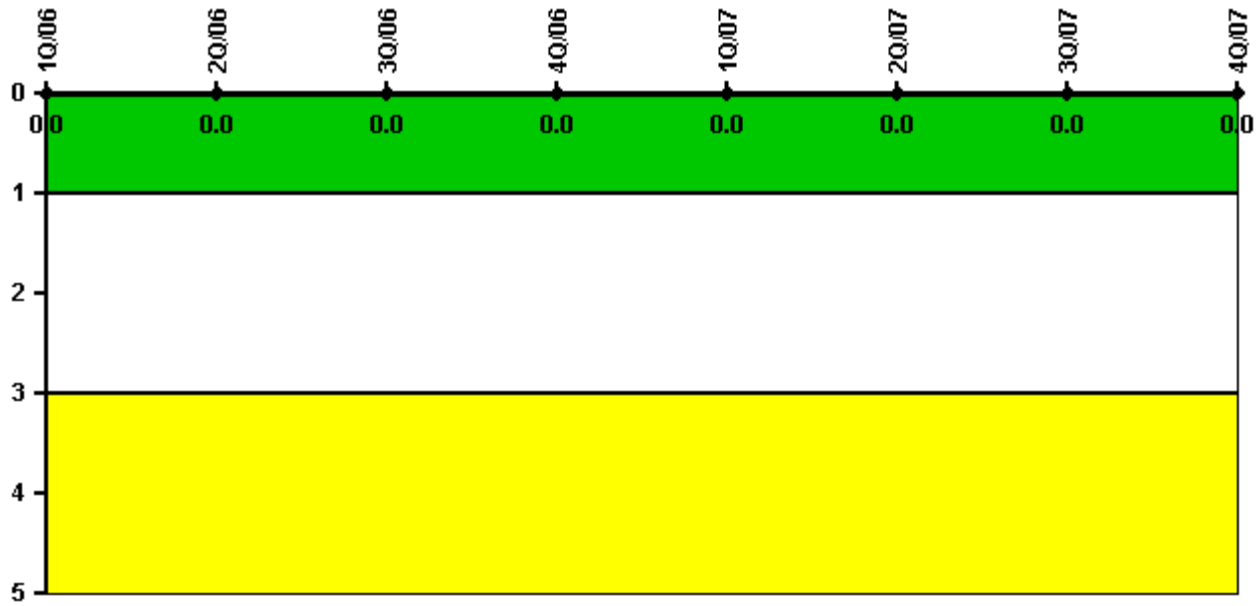
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/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	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/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: February 4, 2008