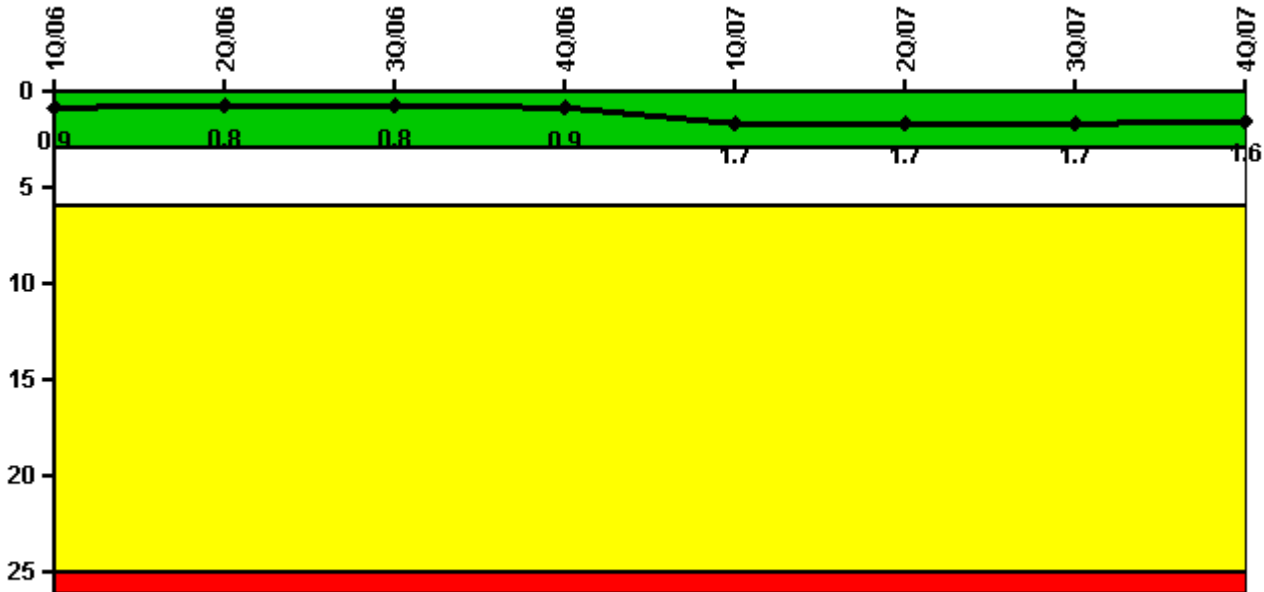


Sequoyah 2

4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



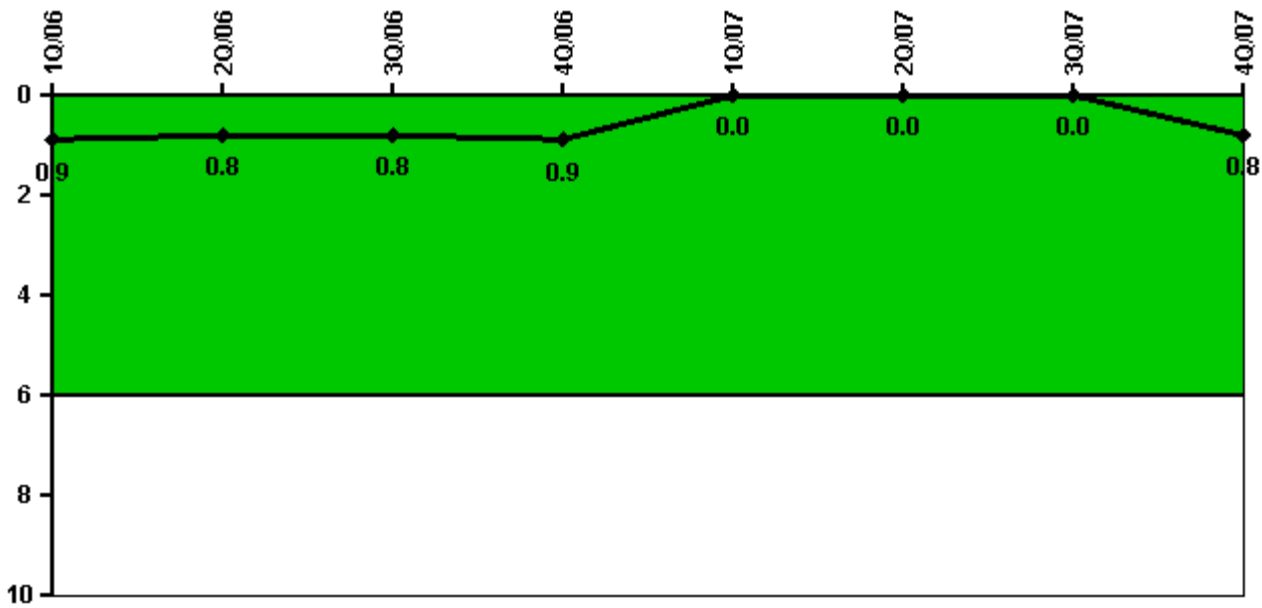
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	2.0	0	0	0
Critical hours	2094.4	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0
Indicator value	0.9	0.8	0.8	0.9	1.7	1.7	1.7	1.6

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



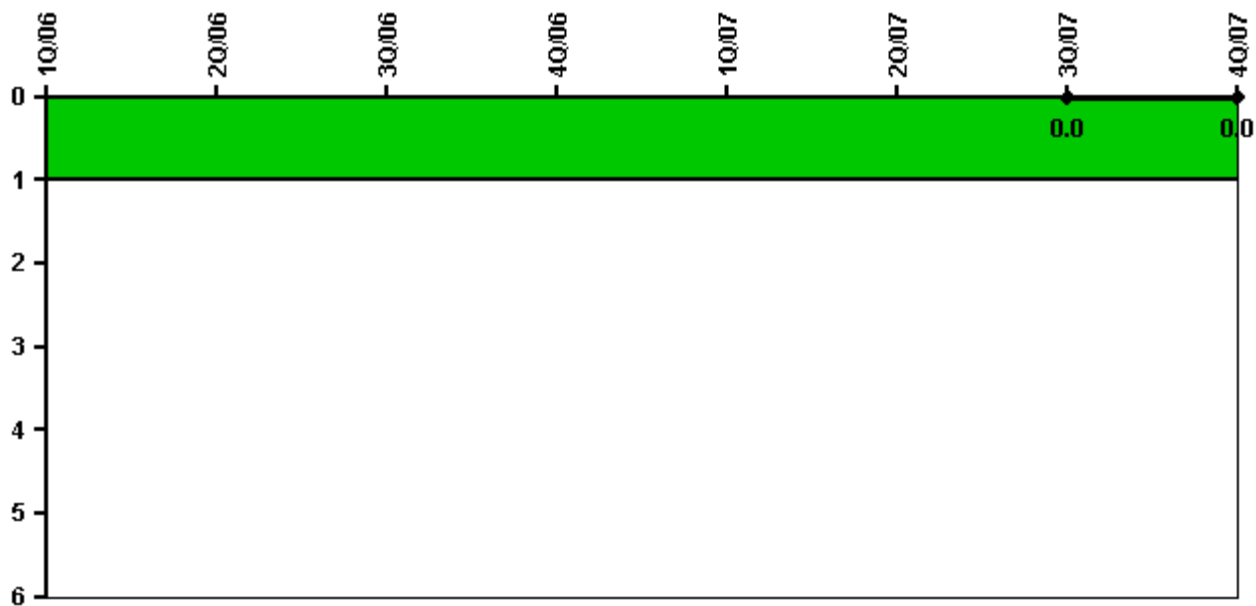
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0	1.0
Critical hours	2094.4	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0
Indicator value	0.9	0.8	0.8	0.9	0	0	0	0.8

Licensee Comments: none

Unplanned Scrams with Complications



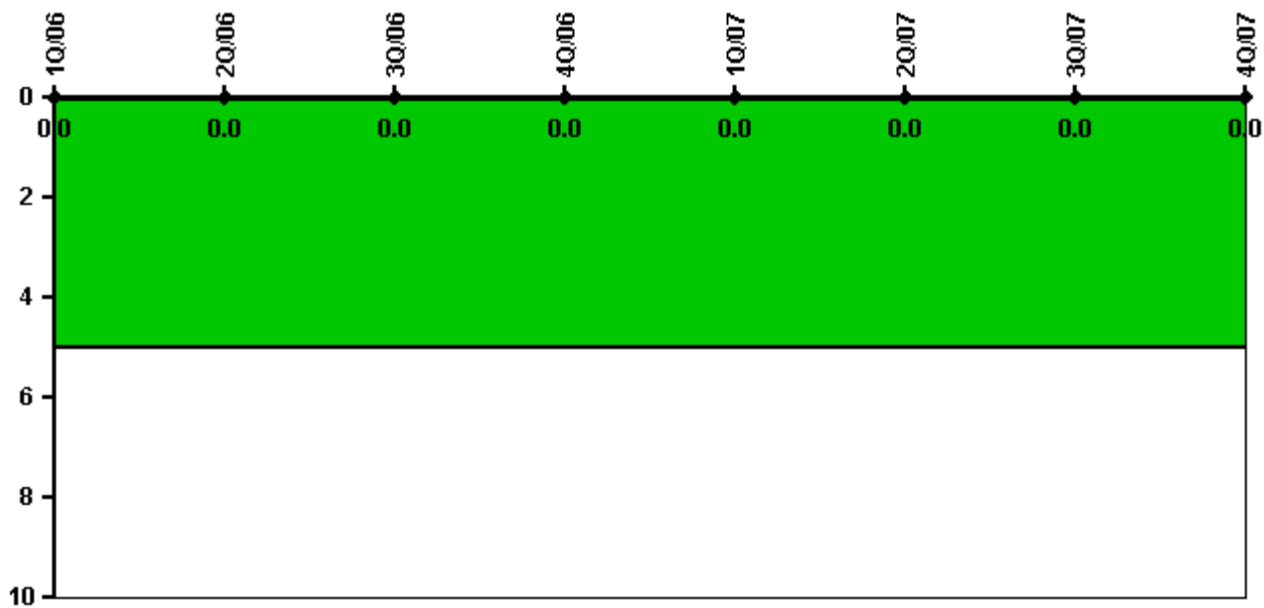
Thresholds: White > 1.0

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)



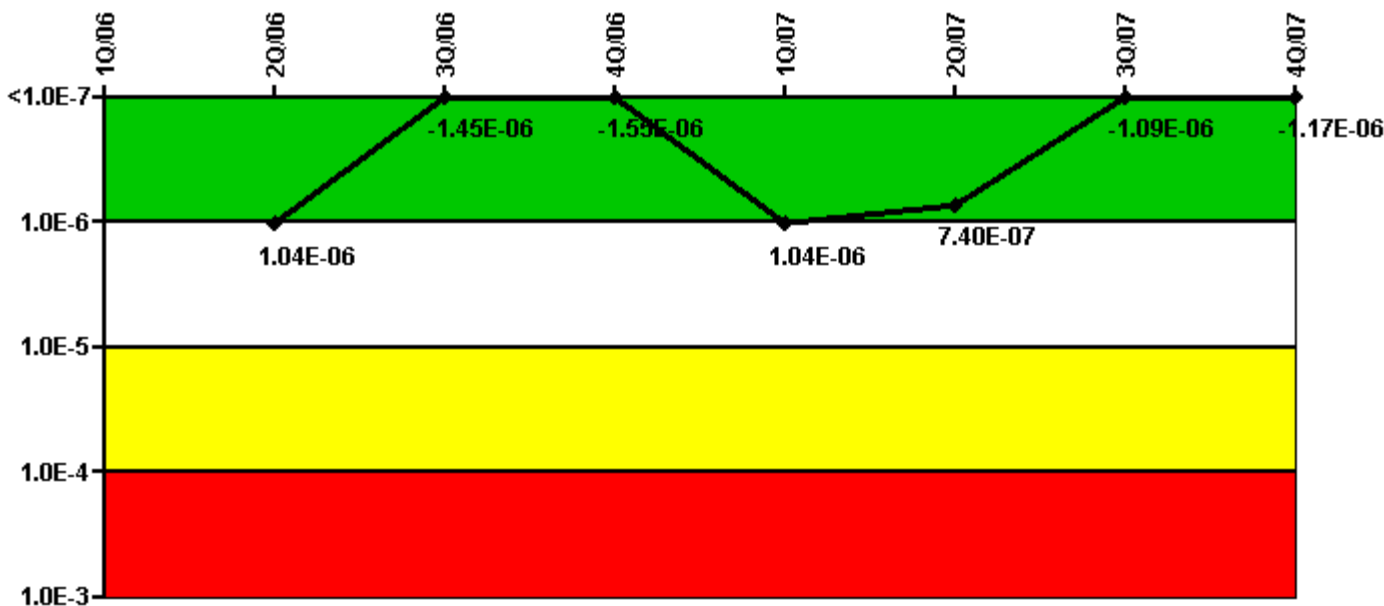
Thresholds: White > 5.0

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	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	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	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ACDF)		-2.60E-07	-2.50E-07	-2.50E-07	-2.60E-07	-2.60E-07	-2.50E-07	-2.50E-07
URI (ACDF)		1.30E-06	-1.20E-06	-1.30E-06	1.30E-06	1.00E-06	-8.40E-07	-9.20E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$1.04E-06$	$-1.45E-06$	$-1.55E-06$	$1.04E-06$	$7.40E-07$	$-1.09E-06$	$-1.17E-06$

Licensee Comments:

4Q/07: Risk Cap Invoked. Changed PRA Parameter(s). The following changes have been made during the reporting quarter. PRA parameters for FVURC, FVUAP, UAP updated to reflect numbers in the basis document. Failure records 1057, 1088, and 1006 have been changed as a result of a re-evaluation.

3Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

2Q/07: Changed PRA Parameter(s).

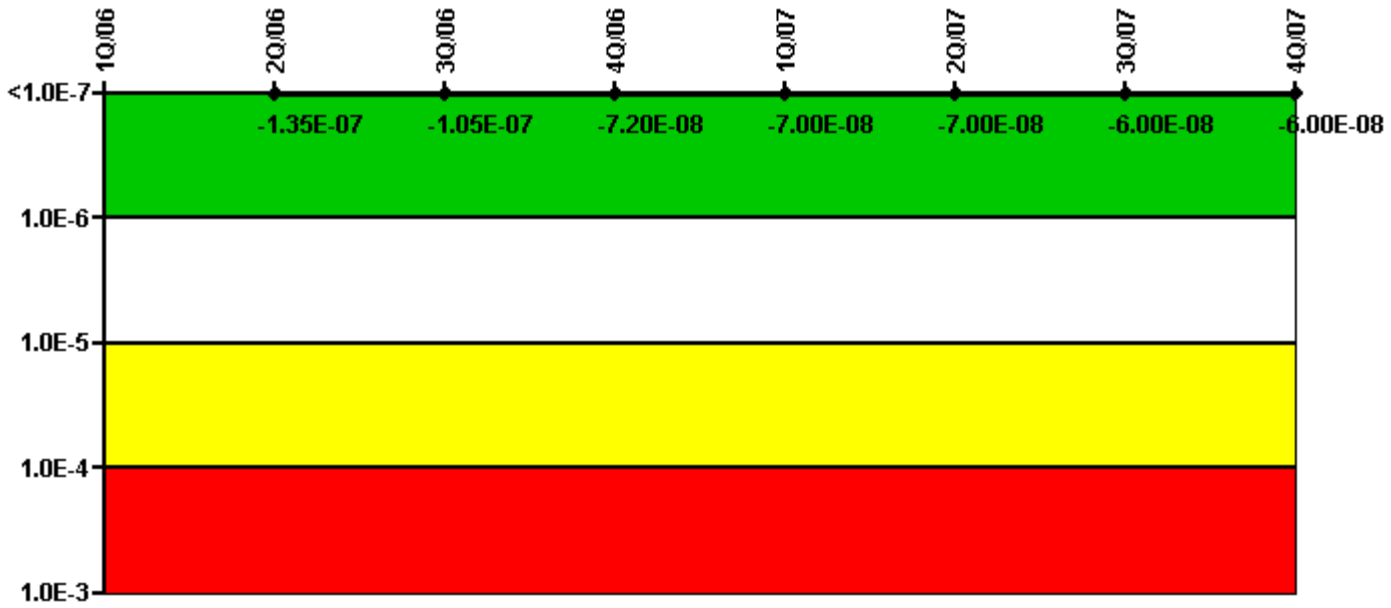
1Q/07: Changed PRA Parameter(s).

4Q/06: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/06: Risk Cap Invoked. Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



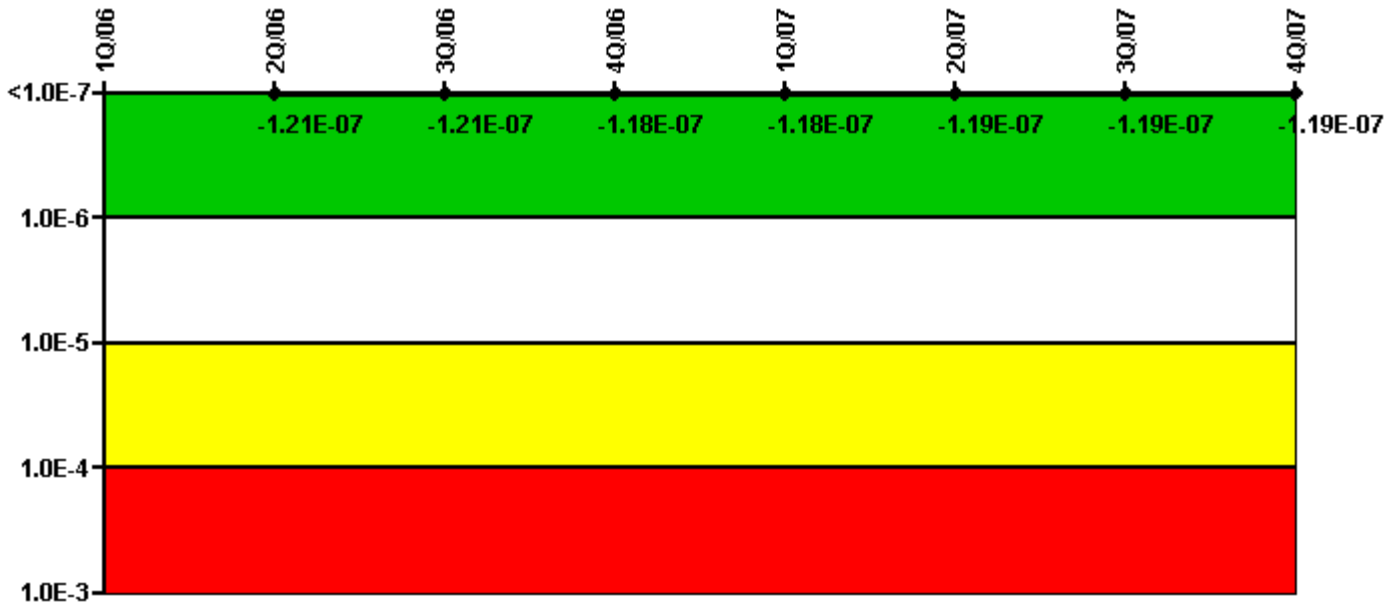
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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)		$3.50E-08$	$6.50E-08$	$9.80E-08$	$1.00E-07$	$1.00E-07$	$1.10E-07$	$1.10E-07$
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		$-1.35E-07$	$-1.05E-07$	$-7.20E-08$	$-7.00E-08$	$-7.00E-08$	$-6.00E-08$	$-6.00E-08$

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



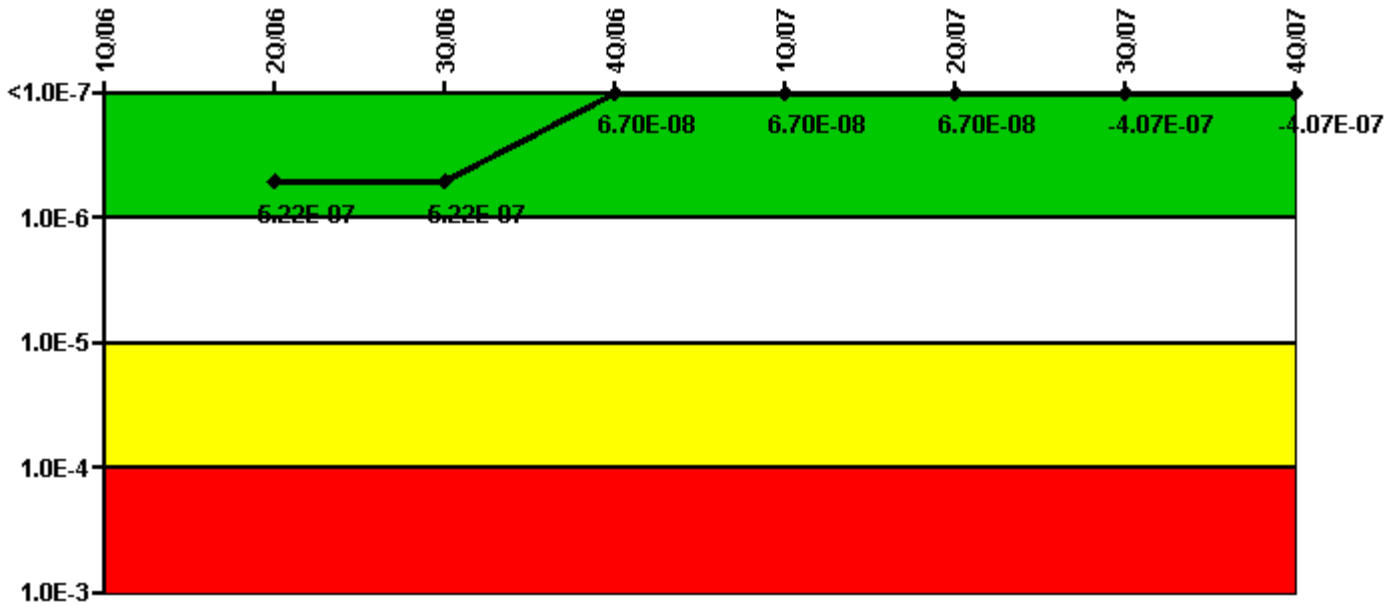
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.30E-08
URI (Δ CDF)		-9.90E-08	-9.90E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-1.21E-07	-1.21E-07	-1.18E-07	-1.18E-07	-1.19E-07	-1.19E-07	-1.19E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



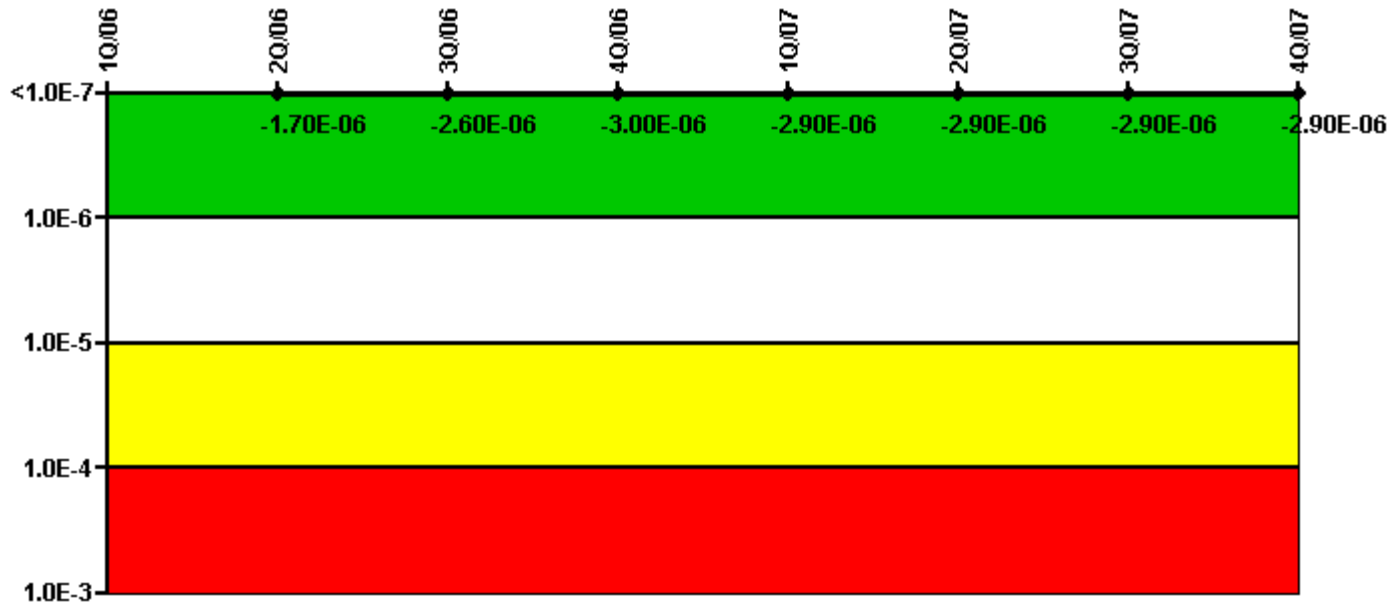
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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 (ACDF)		$-2.80E-08$	$-2.80E-08$	$-2.80E-08$	$-2.80E-08$	$-2.80E-08$	$-4.70E-08$	$-4.70E-08$
URI (ACDF)		$5.50E-07$	$5.50E-07$	$9.50E-08$	$9.50E-08$	$9.50E-08$	$-3.60E-07$	$-3.60E-07$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$5.22E-07$	$5.22E-07$	$6.70E-08$	$6.70E-08$	$6.70E-08$	$-4.07E-07$	$-4.07E-07$

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

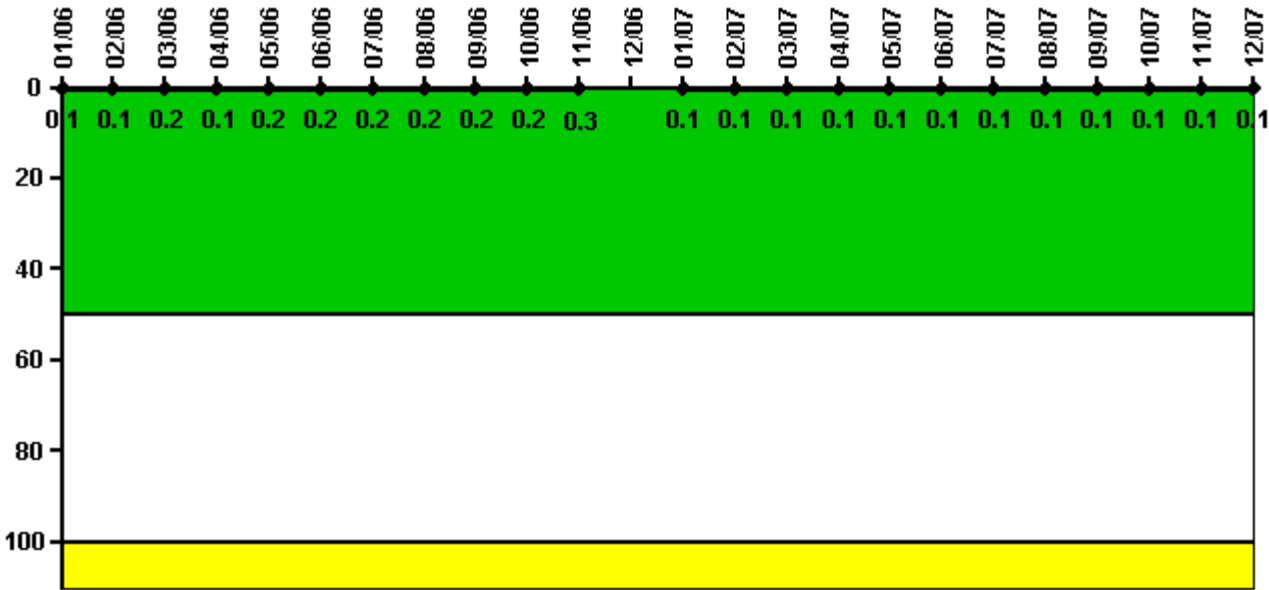
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		-1.50E-06	-2.40E-06	-2.80E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06
URI (Δ CDF)		-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-1.70E-06	-2.60E-06	-3.00E-06	-2.90E-06	-2.90E-06	-2.90E-06	-2.90E-06

Licensee Comments:

4Q/07: Changed PRA Parameter(s). 1) Rebuild of ERCW Pump Q-A started 12/09/07 to complete the end of January. Planned unavailability baseline for 4th quarter adjusted accordingly. 2) C-B Traveling Screen rebuild started in Sept & extended into Oct. Planned unavailability baseline for ERCW N-B & P-B pumps adjusted accordingly. 3) All ERCW pump planned unavailability baselineS may have been adjusted due to applicable maintenance that occurred over 3 years ago and had ajusted the baseline(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

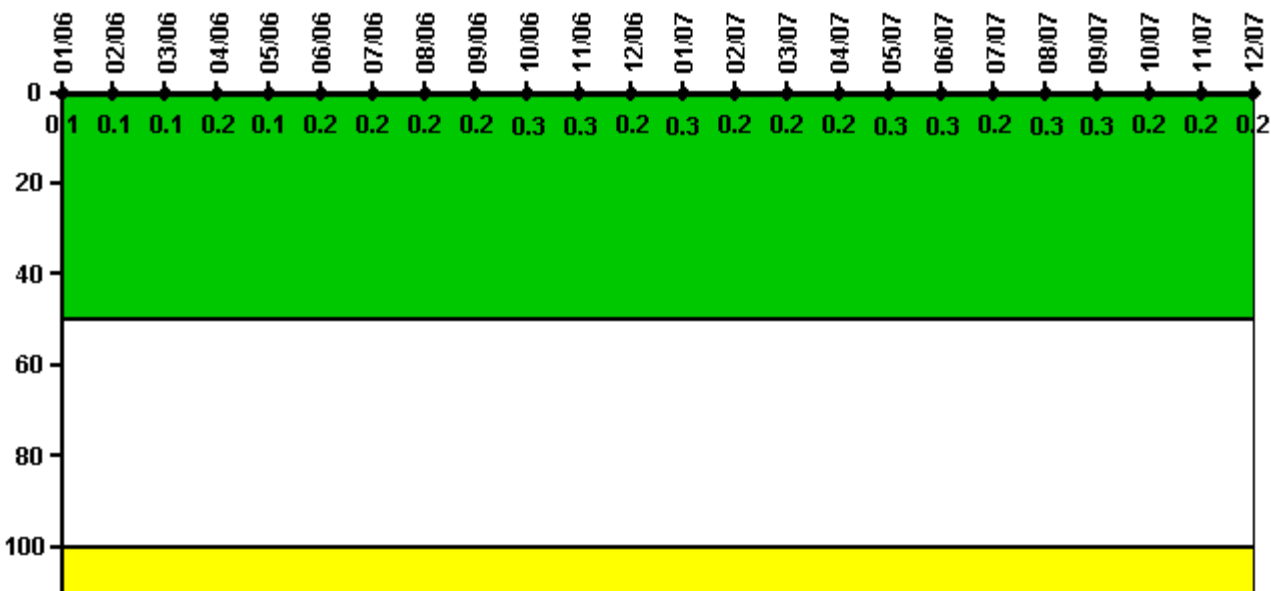
Notes

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	0.000501	0.000500	0.000591	0.000514	0.000563	0.000568	0.000553	0.000686	0.000713	0.000611	0.000917	N/A
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	N/A

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	0.000354	0.000396	0.000413	0.000401	0.000465	0.000379	0.000382	0.000387	0.000392	0.000414	0.000403	0.000426
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

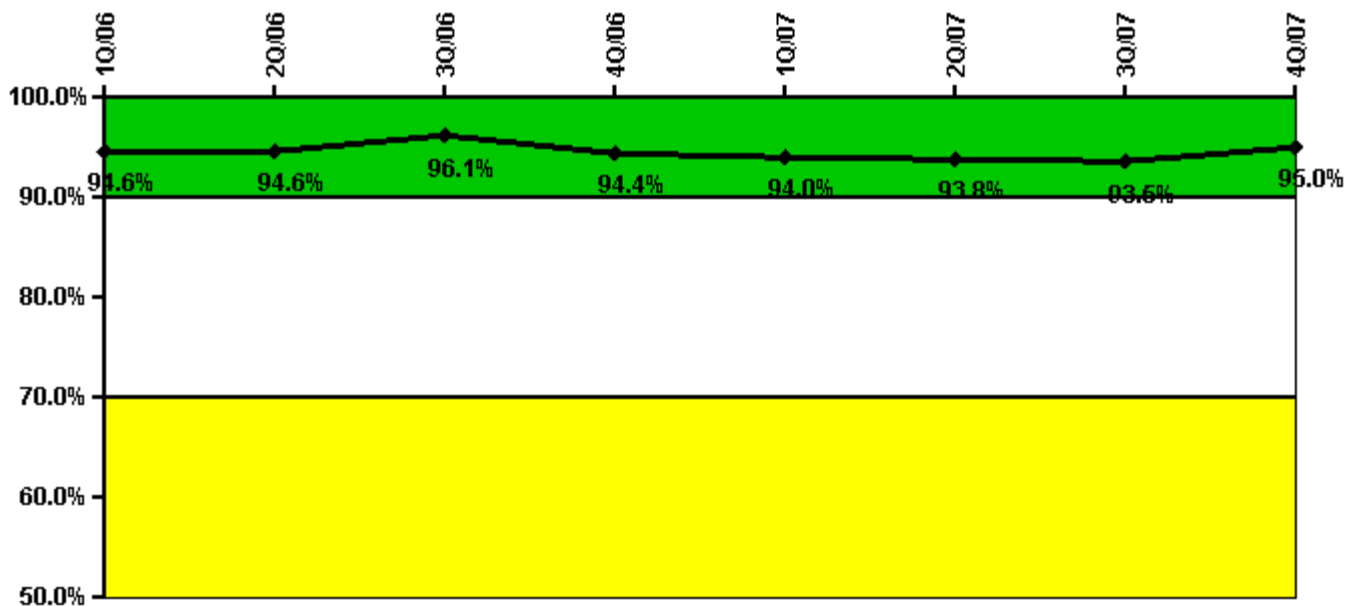
Notes

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	0.010	0.010	0.010	0.020	0.010	0.020	0.020	0.020	0.020	0.030	0.030	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	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.3	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	0.030	0.020	0.020	0.020	0.030	0.030	0.020	0.030	0.030	0.020	0.020	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	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2

Licensee Comments: none

Drill/Exercise Performance



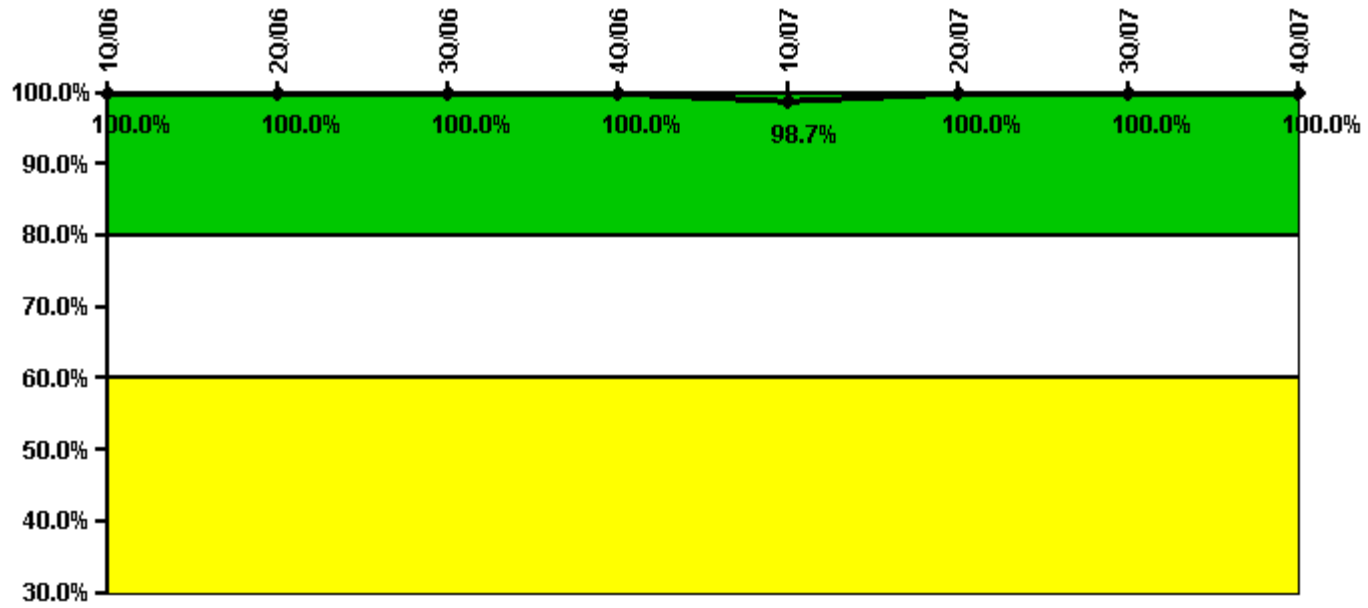
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	6.0	0	38.0	44.0	0	24.0	10.0	30.0
Total opportunities	6.0	0	38.0	48.0	0	26.0	10.0	32.0
Indicator value	94.6%	94.6%	96.1%	94.4%	94.0%	93.8%	93.5%	95.0%

Licensee Comments: none

ERO Drill Participation



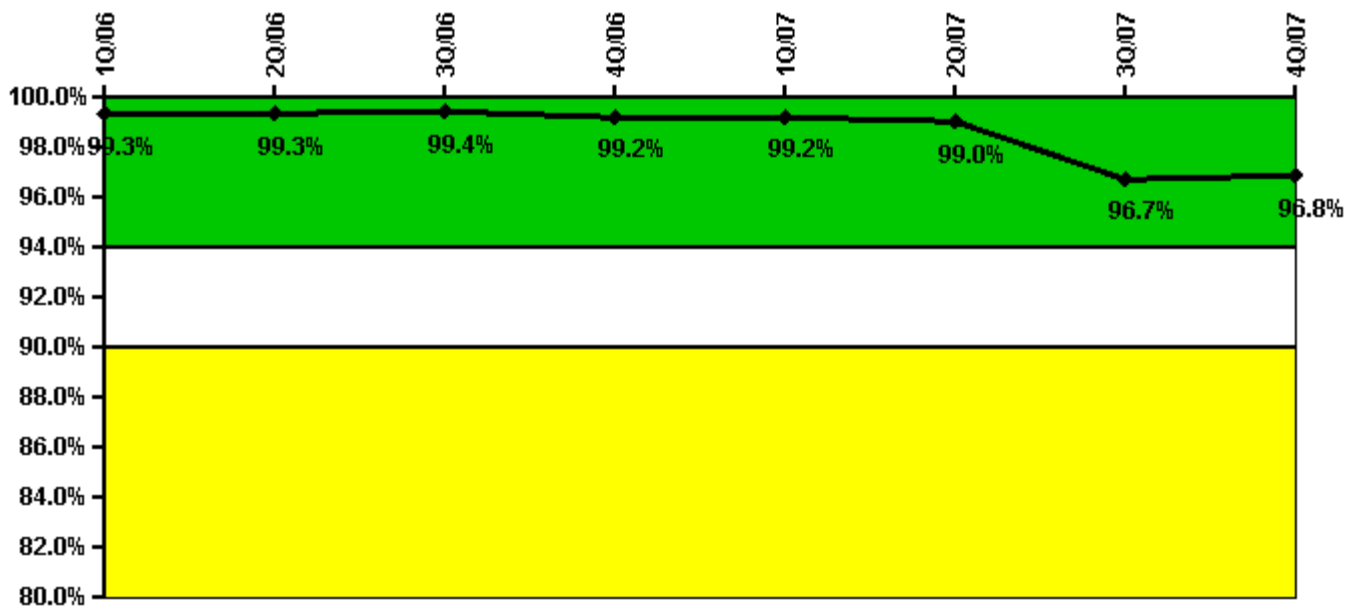
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	87.0	88.0	82.0	81.0	75.0	82.0	93.0	88.0
Total Key personnel	87.0	88.0	82.0	81.0	76.0	82.0	93.0	88.0
Indicator value	100.0%	100.0%	100.0%	100.0%	98.7%	100.0%	100.0%	100.0%

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	752	858	854	855	750	854	779	964
Total sirens-tests	756	864	861	864	756	864	864	972
Indicator value	99.3%	99.3%	99.4%	99.2%	99.2%	99.0%	96.7%	96.8%

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