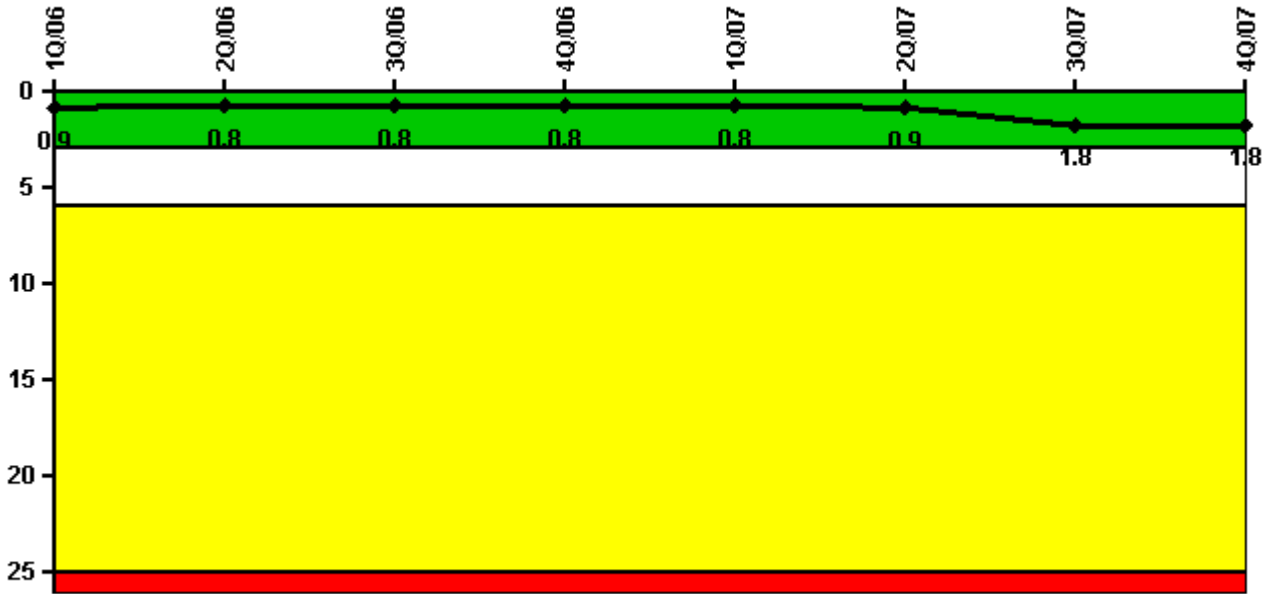


Pilgrim 1

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

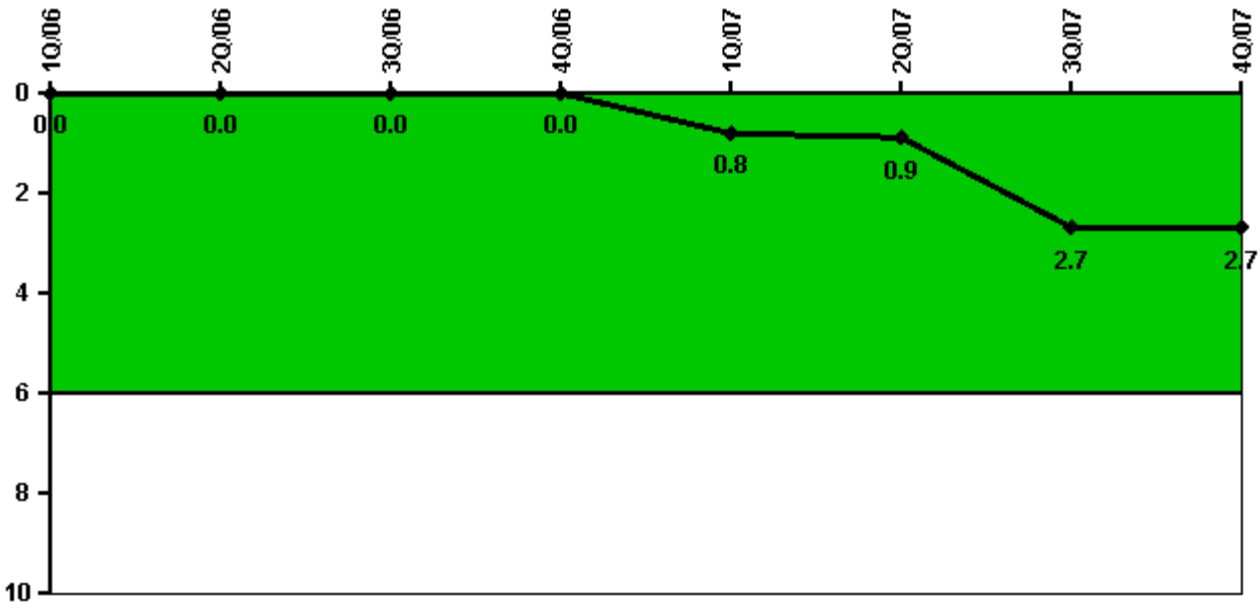
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	1.0	0	0	0	1.0	0	1.0	0
Critical hours	2122.0	2183.0	2208.0	2209.0	2112.8	1433.0	2161.1	2170.5
Indicator value	0.9	0.8	0.8	0.8	0.8	0.9	1.8	1.8

Licensee Comments:

1Q/07: REVISED DATA: The Scram that occurred 3/17/07 was considered to be unplanned because the Scram was inserted above the level specified in the plant shutdown procedure

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

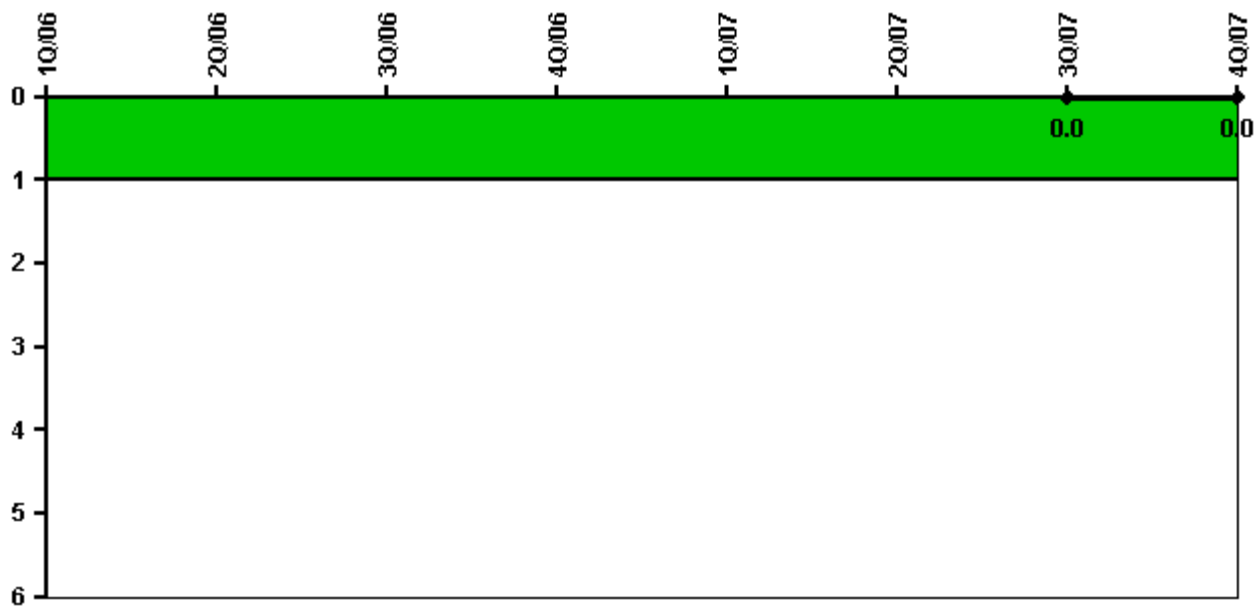
Notes

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	1.0	0	2.0	0
Critical hours	2122.0	2183.0	2208.0	2209.0	2112.8	1433.0	2161.1	2170.5
Indicator value	0	0	0	0	0.8	0.9	2.7	2.7

Licensee Comments:

1Q/07: REVISED DATA: Increasing Drywell leakage rates. This power change is excluded per NEI 99-02, rev. 5 because it was due to off-normal conditions (increased leakage) which ended with an unplanned reactor trip. Per the guidelines, only the unplanned reactor scram has been counted.

Unplanned Scrams with Complications



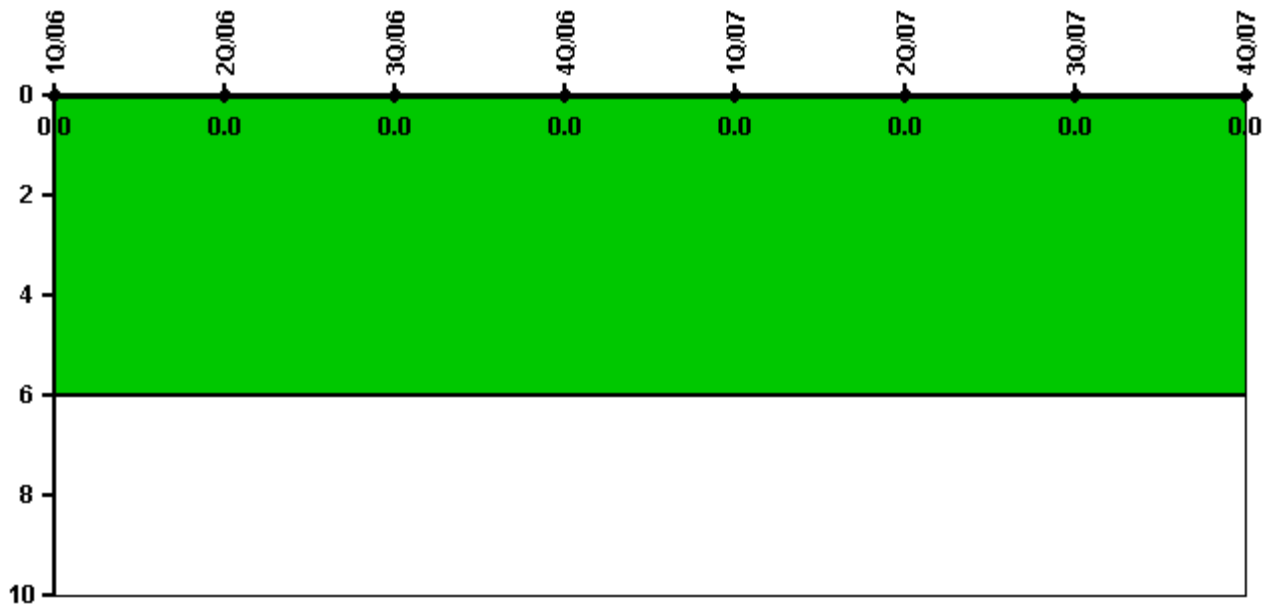
Thresholds: White > 1.0

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 (BWR)



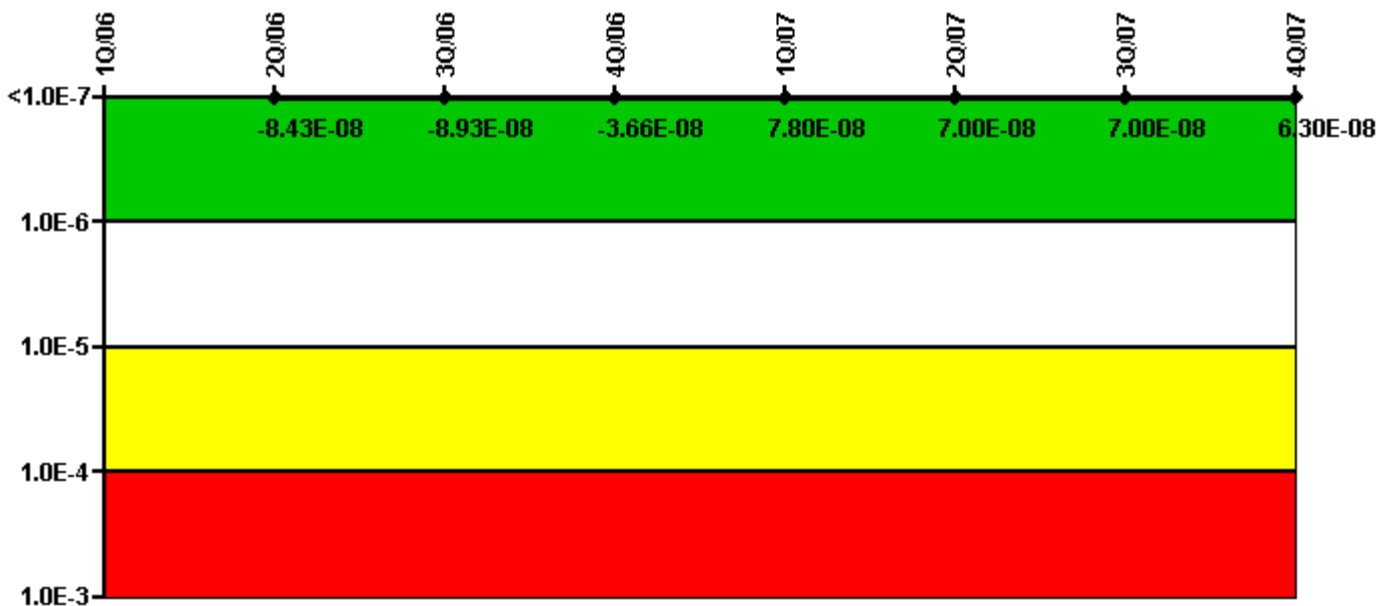
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	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



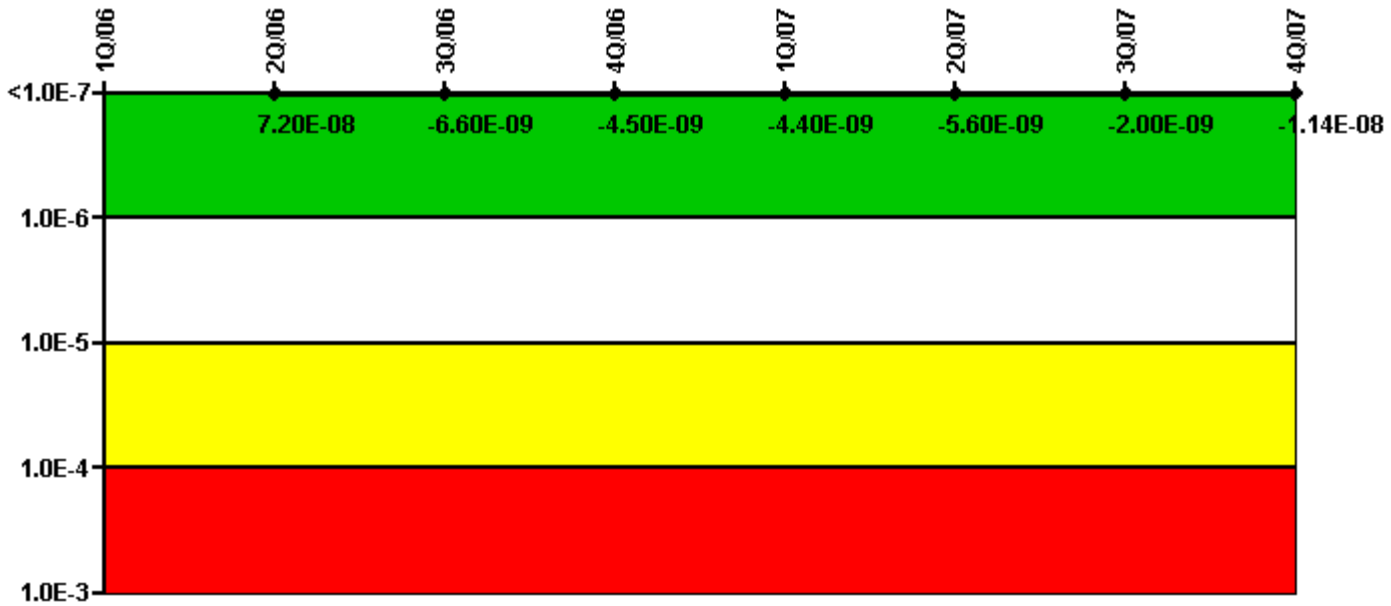
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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 (Δ CDF)		$1.70E-09$	$-3.30E-10$	$1.40E-09$	$1.80E-08$	$2.50E-08$	$2.70E-08$	$1.90E-08$
URI (Δ CDF)		$-8.60E-08$	$-8.90E-08$	$-3.80E-08$	$6.00E-08$	$4.50E-08$	$4.30E-08$	$4.40E-08$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$-8.43E-08$	$-8.93E-08$	$-3.66E-08$	$7.80E-08$	$7.00E-08$	$7.00E-08$	$6.30E-08$

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

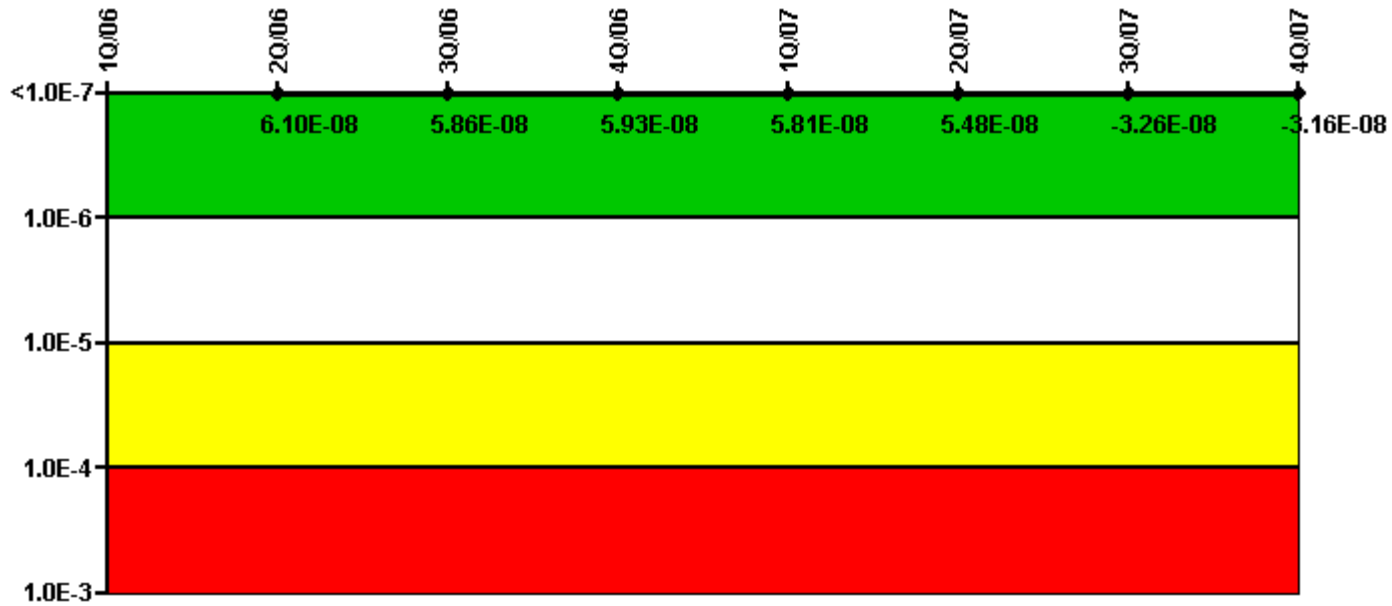
Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		$2.10E-08$	$6.40E-09$	$7.50E-09$	$6.60E-09$	$7.40E-09$	$1.00E-08$	$1.60E-09$
URI (Δ CDF)		$5.10E-08$	$-1.30E-08$	$-1.20E-08$	$-1.10E-08$	$-1.30E-08$	$-1.20E-08$	$-1.30E-08$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$7.20E-08$	$-6.60E-09$	$-4.50E-09$	$-4.40E-09$	$-5.60E-09$	$-2.00E-09$	$-1.14E-08$

Licensee Comments:

4Q/06: CHANGED DATA: Revision 1 includes demand for MOV-2301-3 that was inadvertently omitted from the original submittal.

3Q/06: CHANGED DATA: Revision 1 includes 1 demand for MOV-2301-3 that was inadvertently omitted from the original submittal.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

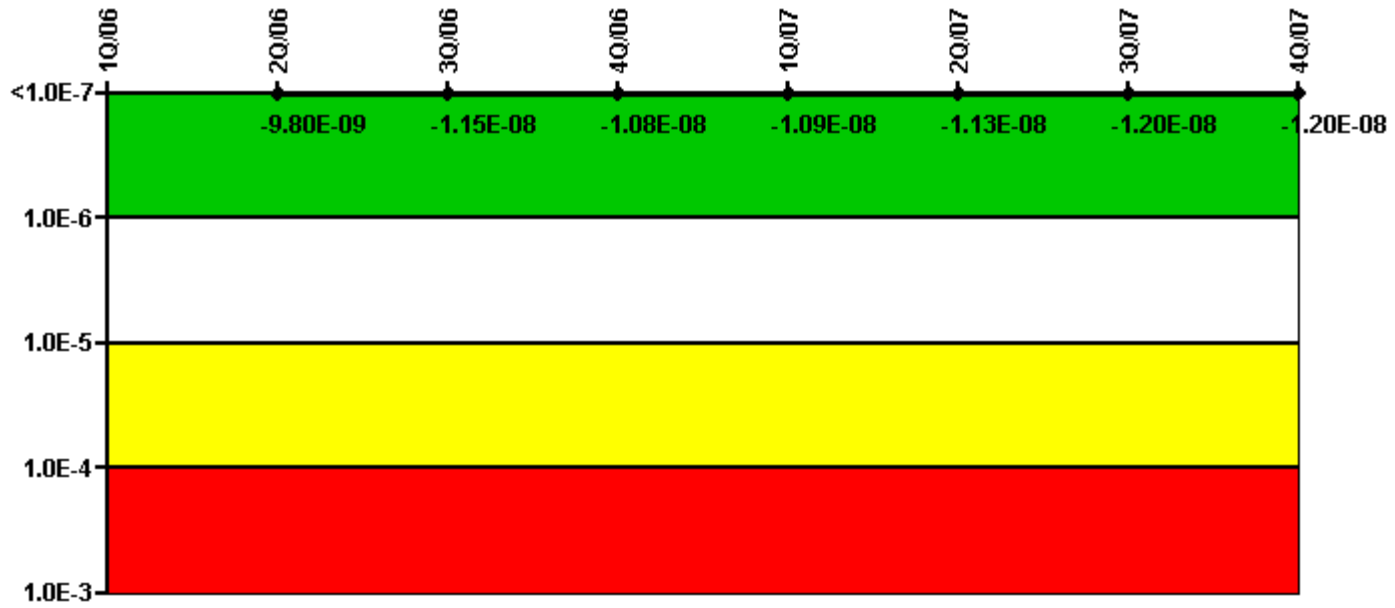
Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		$-9.00E-09$	$-6.40E-09$	$-5.70E-09$	$-1.90E-09$	$-1.20E-09$	$-6.60E-09$	$-6.60E-09$
URI (Δ CDF)		$7.00E-08$	$6.50E-08$	$6.50E-08$	$6.00E-08$	$5.60E-08$	$-2.60E-08$	$-2.50E-08$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$6.10E-08$	$5.86E-08$	$5.93E-08$	$5.81E-08$	$5.48E-08$	$-3.26E-08$	$-3.16E-08$

Licensee Comments:

1Q/07: REVISED DATA: Revision corrects data for system run from the alternate shutdown panel that was inadvertently omitted from the original submittal.

4Q/06: CHANGED DATA: Revision corrects data for system run from the alternate shutdown panel that was inadvertently omitted from the original submittal.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

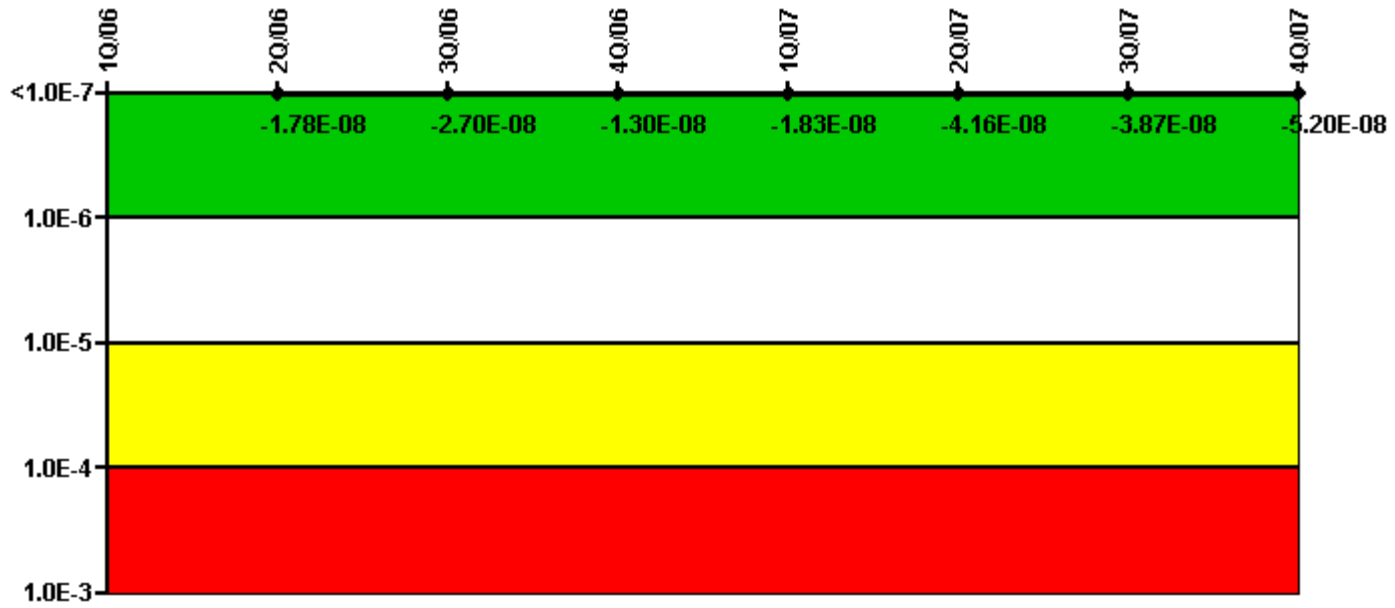
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		-7.00E-10	-2.40E-09	-2.00E-09	-2.10E-09	-1.90E-09	-2.80E-09	-2.90E-09
URI (Δ CDF)		-9.10E-09	-9.10E-09	-8.80E-09	-8.80E-09	-9.40E-09	-9.20E-09	-9.10E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-9.80E-09	-1.15E-08	-1.08E-08	-1.09E-08	-1.13E-08	-1.20E-08	-1.20E-08

Licensee Comments:

3Q/07: REVISED DATA: Revision corrects data for system run from the alternate shutdown panel that was inadvertently omitted from the original submittal.

1Q/07: REVISED DATA: Revision corrects data for system run from the alternate shutdown panel that was inadvertently omitted from the original submittal.

Mitigating Systems Performance Index, Cooling Water Systems



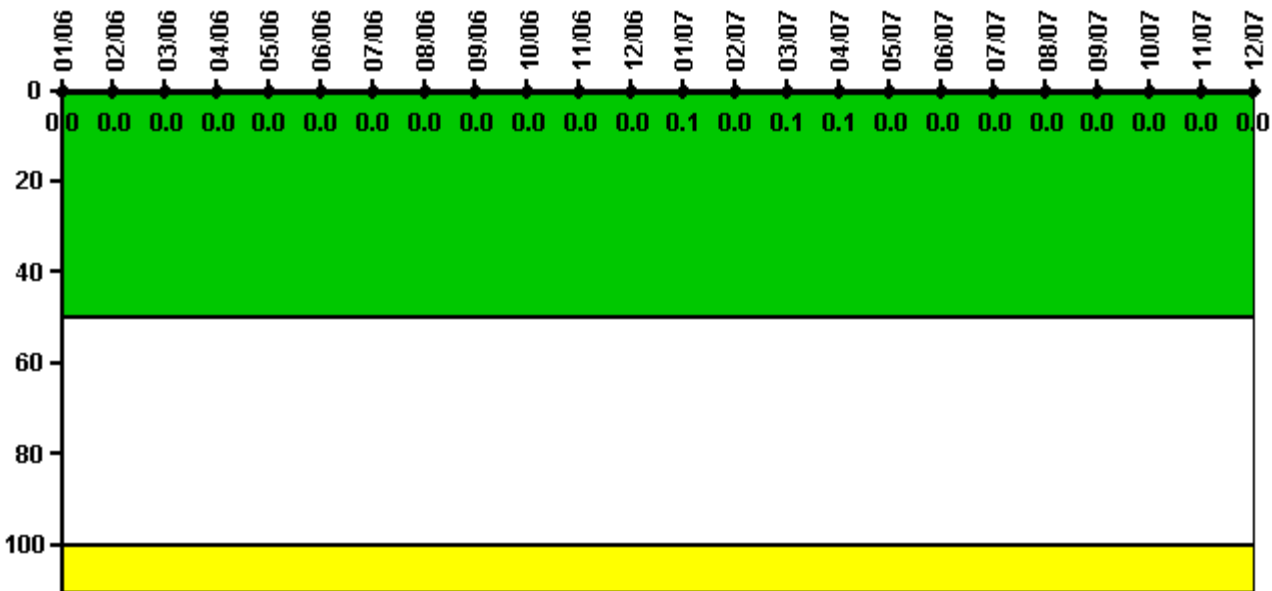
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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)		$-2.80E-09$	$-2.00E-09$	$1.20E-08$	$7.70E-09$	$3.60E-10$	$2.30E-09$	$-2.00E-09$
URI (Δ CDF)		$-1.50E-08$	$-2.50E-08$	$-2.50E-08$	$-2.60E-08$	$-4.20E-08$	$-4.10E-08$	$-5.00E-08$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$-1.78E-08$	$-2.70E-08$	$-1.30E-08$	$-1.83E-08$	$-4.16E-08$	$-3.87E-08$	$-5.20E-08$

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

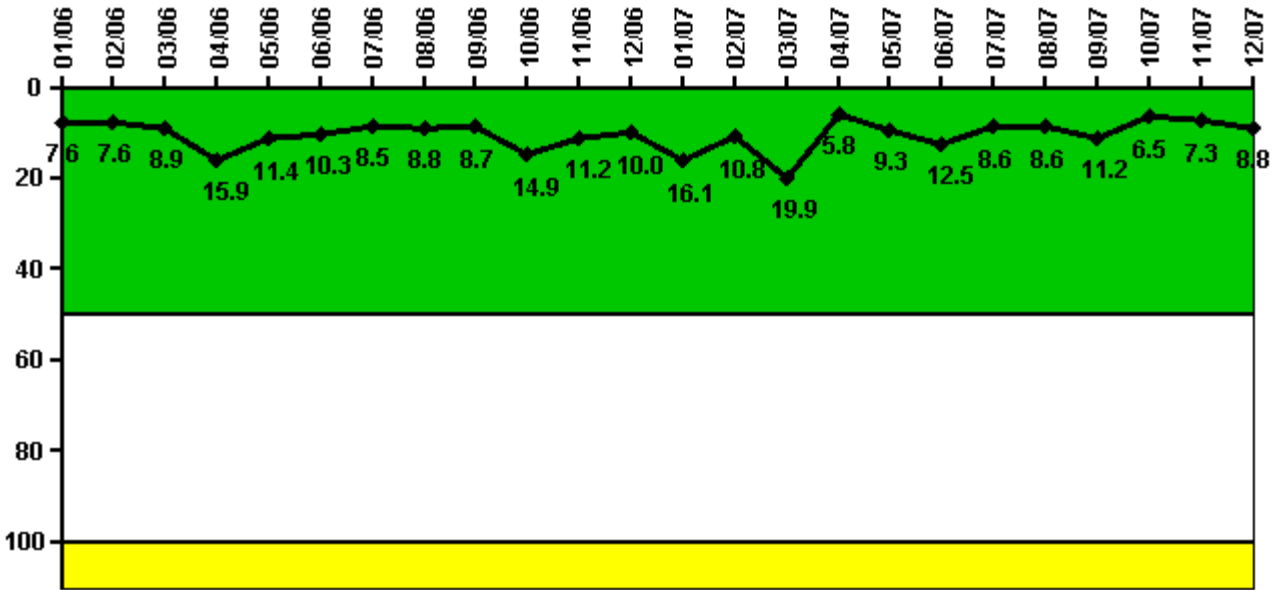
Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.002810	0.002840	0.002980	0.002540	0.002550	0.002440	0.002520	0.004050	0.002570	0.002590	0.002430	0.002950
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

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	0.012000	0.009470	0.018400	0.020600	0.006210	0.006470	0.006430	0.003380	0.003060	0.002610	0.001390	0.001750
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indicator value	0.1	0	0.1	0.1	0	0	0	0	0	0	0	0

Licensee Comments:

12/07: Indicates reactor coolant activity, expressed as a percentage of the Technical Specifications limit for Iodine. Technical Specifications do not specify a limit for Iodine-131.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

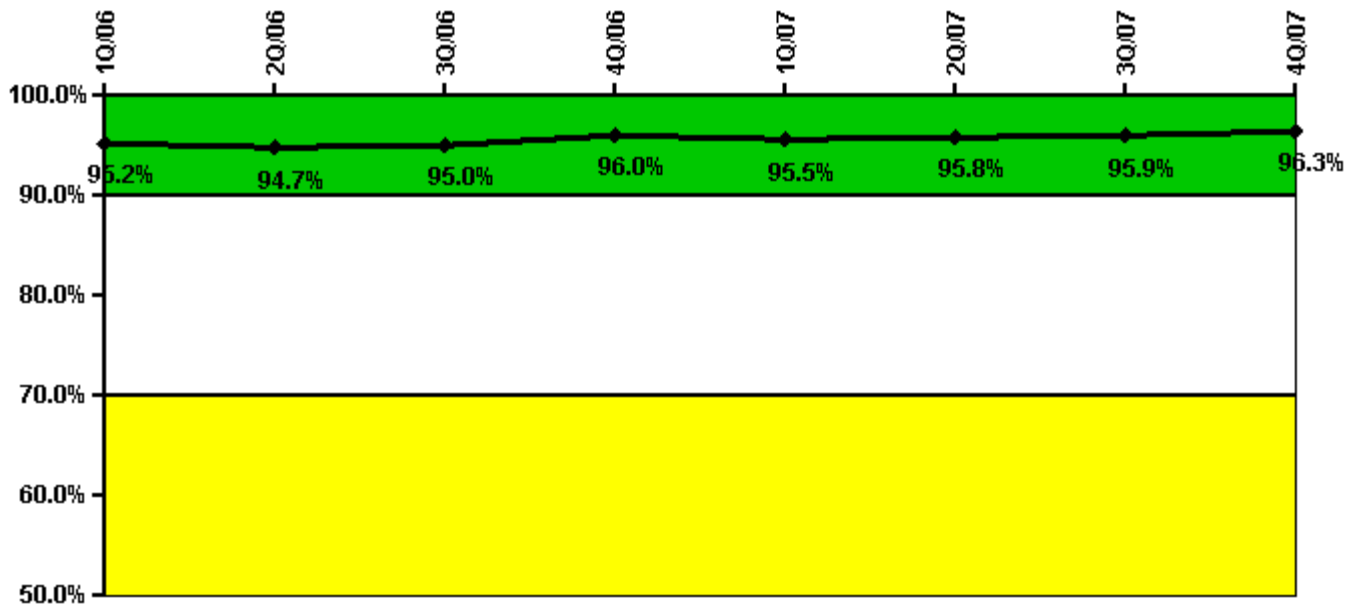
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	1.910	1.890	2.230	3.970	2.850	2.570	2.120	2.200	2.180	3.720	2.790	2.500
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.6	7.6	8.9	15.9	11.4	10.3	8.5	8.8	8.7	14.9	11.2	10.0

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	4.020	2.690	4.980	1.440	2.330	3.120	2.150	2.160	2.790	1.620	1.830	2.190
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	16.1	10.8	19.9	5.8	9.3	12.5	8.6	8.6	11.2	6.5	7.3	8.8

Licensee Comments:

12/07: Reflects total leakage (identified plus un-identified), expressed as a percentage of the Technical Specifications limit. Technical Specifications specify un-identified and total leakage; it does not specify identified leakage.

Drill/Exercise Performance



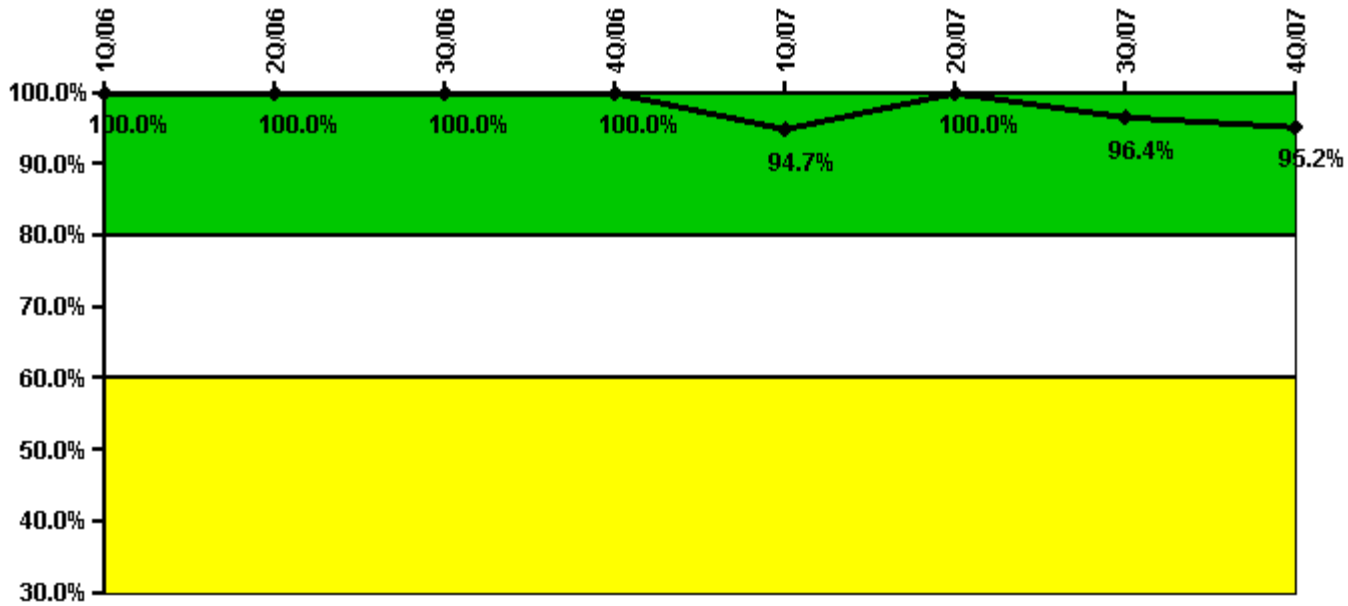
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	23.0	25.0	82.0	34.0	11.0	16.0	40.0	32.0
Total opportunities	26.0	27.0	84.0	34.0	12.0	16.0	42.0	32.0
Indicator value	95.2%	94.7%	95.0%	96.0%	95.5%	95.8%	95.9%	96.3%

Licensee Comments: none

ERO Drill Participation



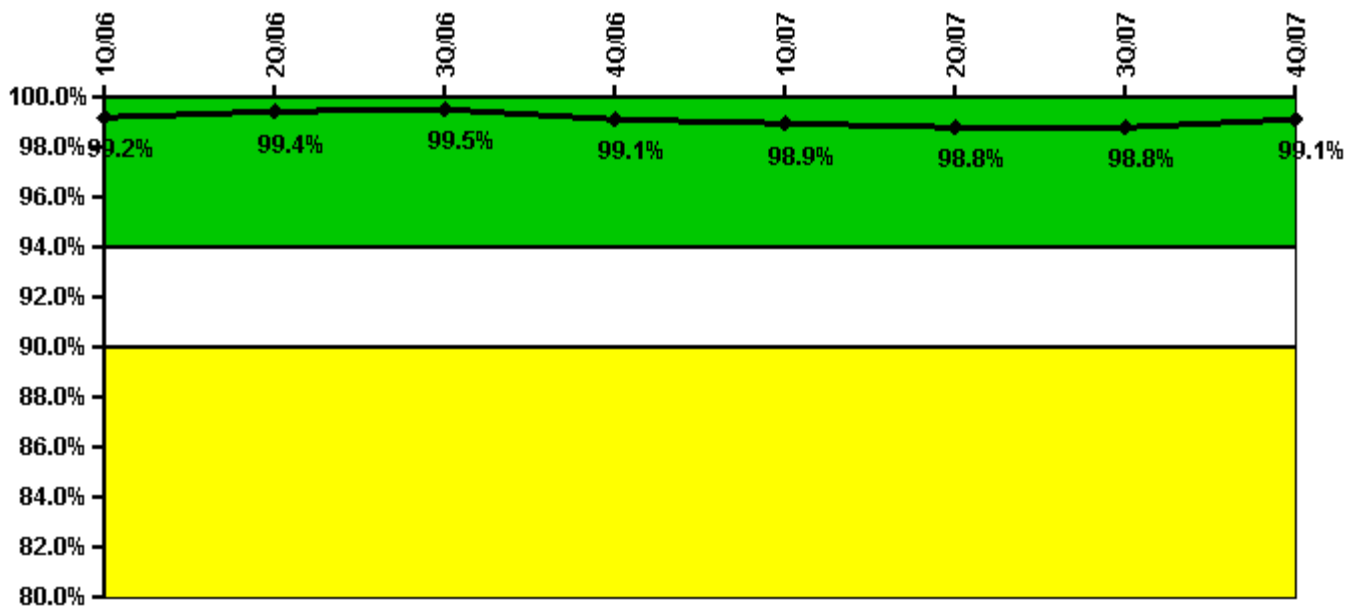
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	58.0	58.0	58.0	57.0	54.0	56.0	80.0	79.0
Total Key personnel	58.0	58.0	58.0	57.0	57.0	56.0	83.0	83.0
Indicator value	100.0%	100.0%	100.0%	100.0%	94.7%	100.0%	96.4%	95.2%

Licensee Comments: none

Alert & Notification System



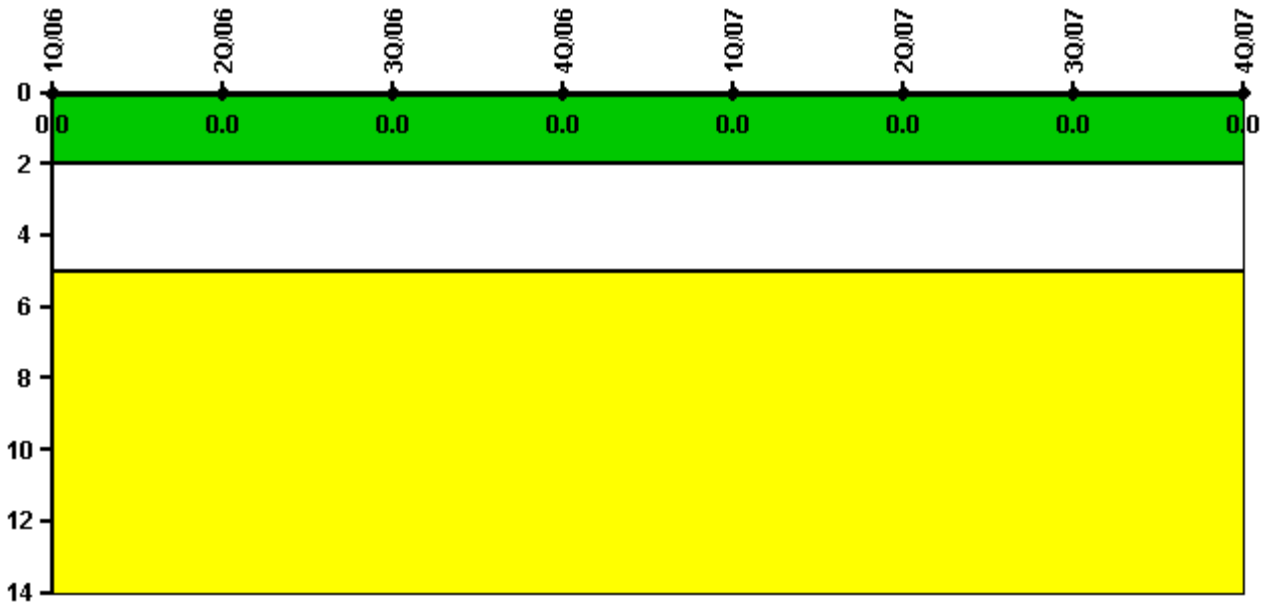
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	336	335	337	443	336	335	338	447
Total sirens-tests	336	337	339	452	339	339	339	452
Indicator value	99.2%	99.4%	99.5%	99.1%	98.9%	98.8%	98.8%	99.1%

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