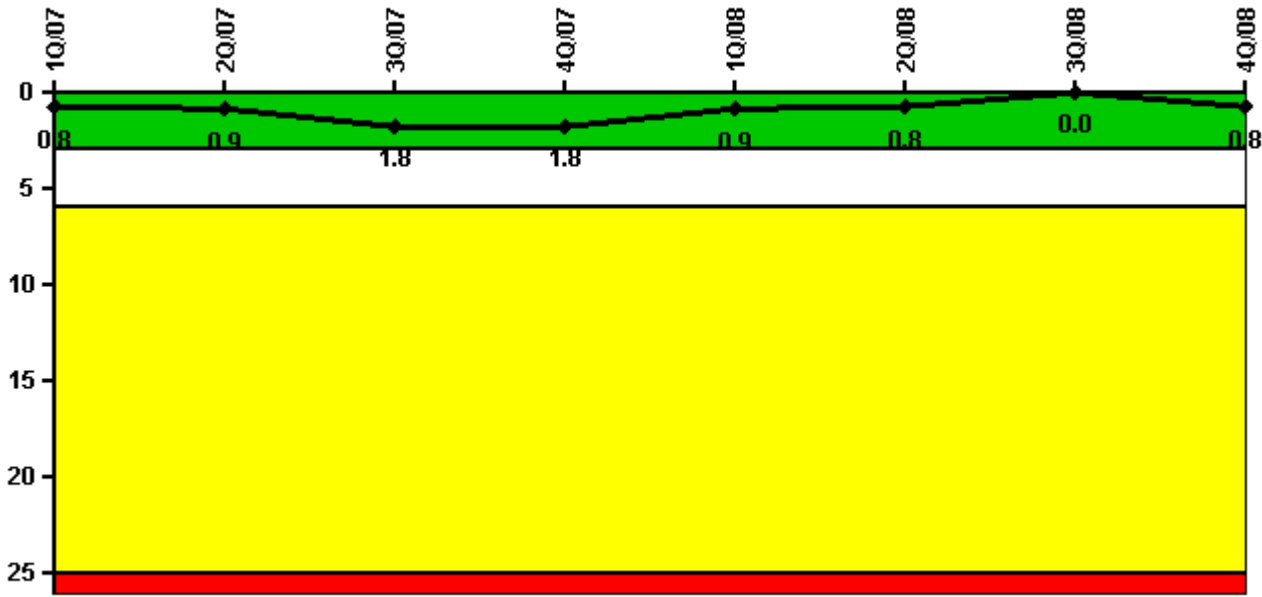


Pilgrim 1

4Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

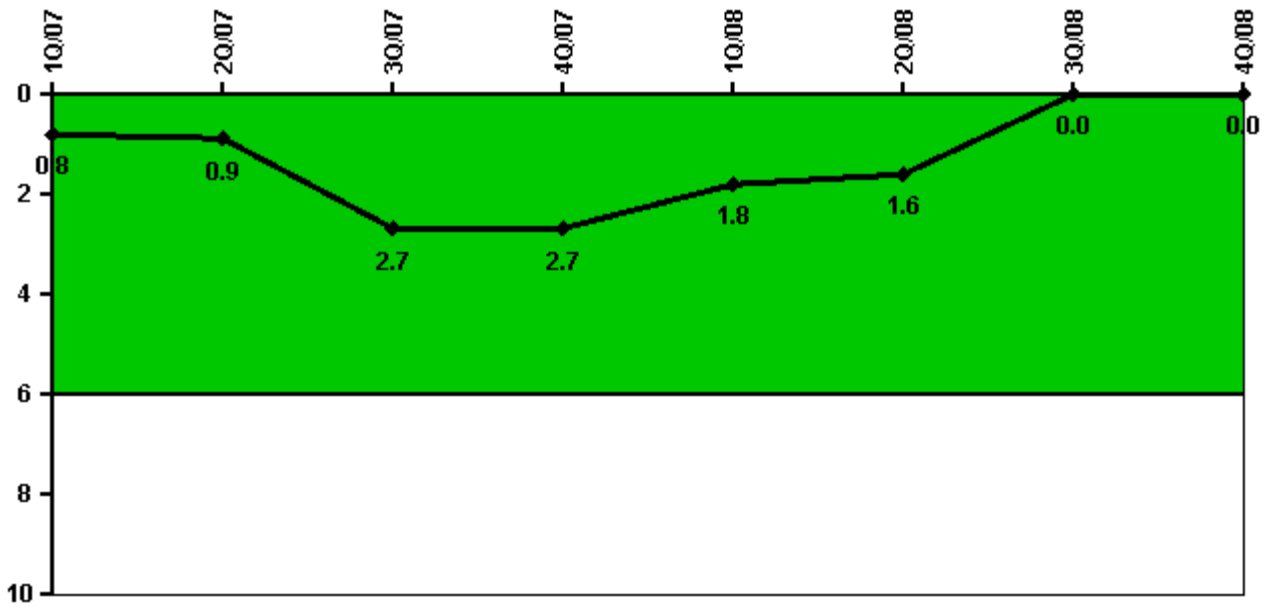
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	1.0	0	1.0	0	0	0	0	1.0
Critical hours	2112.8	1433.0	2161.1	2170.5	2183.0	2150.8	2208.0	2152.7
Indicator value	0.8	0.9	1.8	1.8	0.9	0.8	0	0.8

Licensee Comments:

4Q/08: Unplanned Scram on 12/19/08.

Unplanned Power Changes per 7000 Critical Hrs



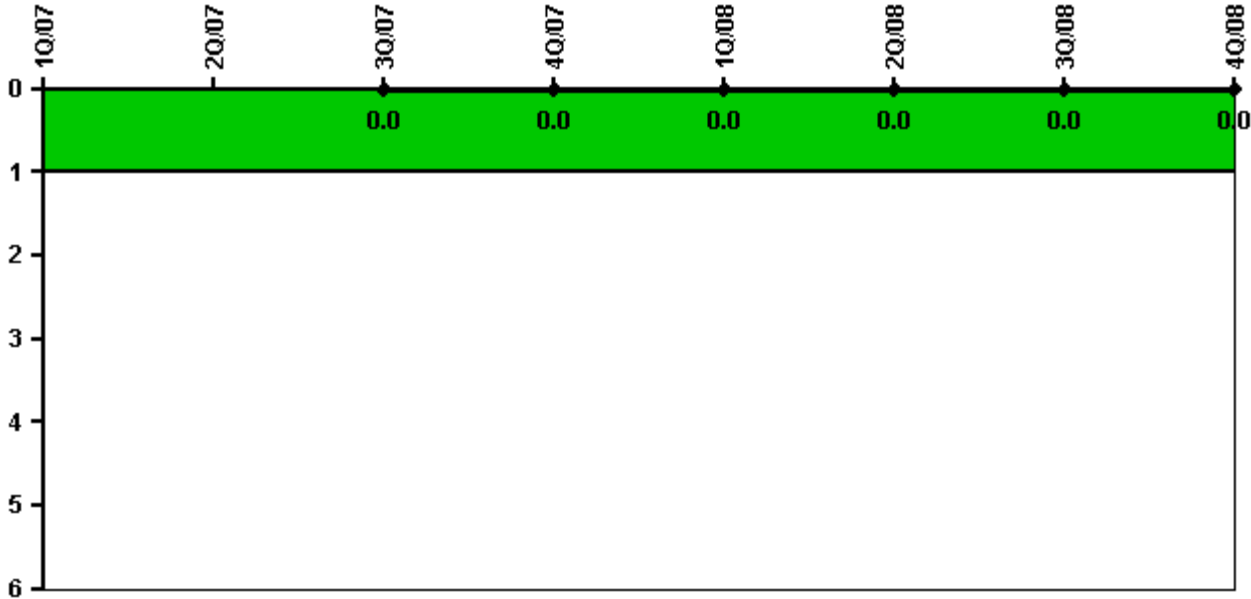
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	1.0	0	2.0	0	0	0	0	0
Critical hours	2112.8	1433.0	2161.1	2170.5	2183.0	2150.8	2208.0	2152.7
Indicator value	0.8	0.9	2.7	2.7	1.8	1.6	0	0

Licensee Comments: none

Unplanned Scrams with Complications



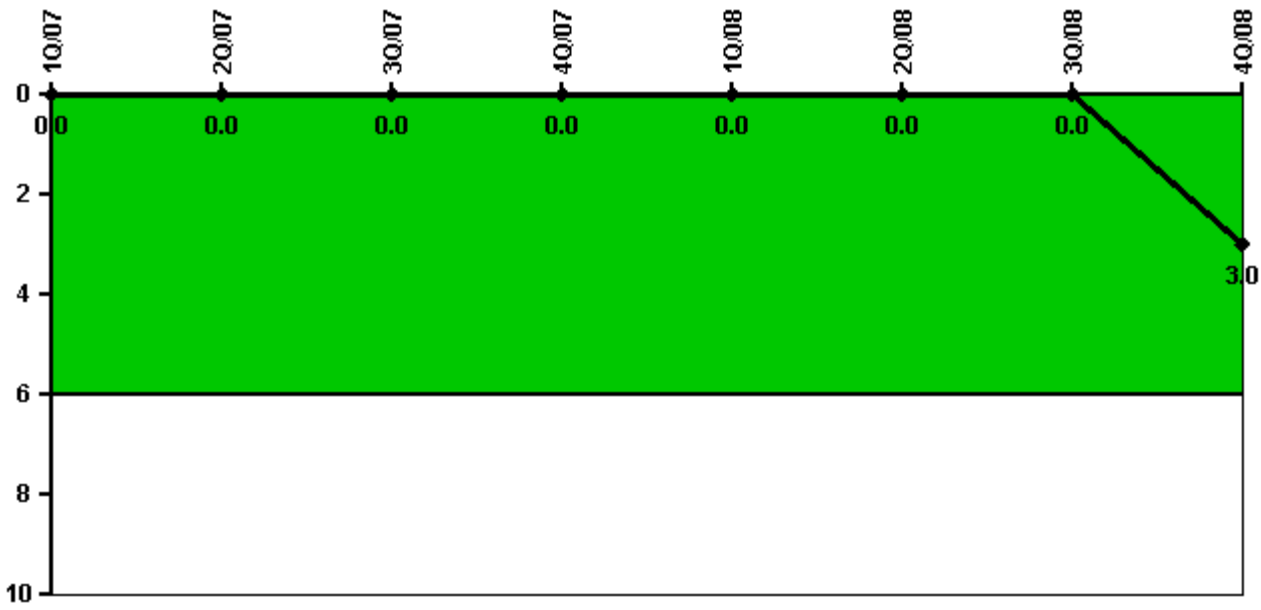
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value			0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



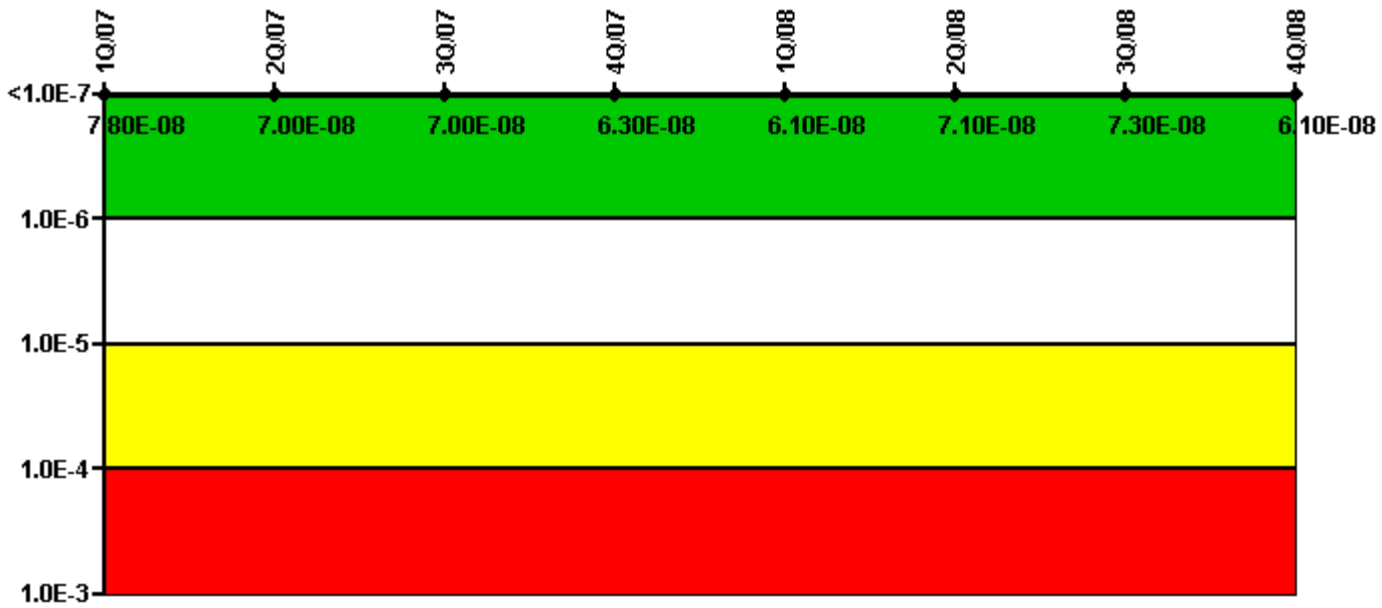
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	3
Indicator value	0	0	0	0	0	0	0	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

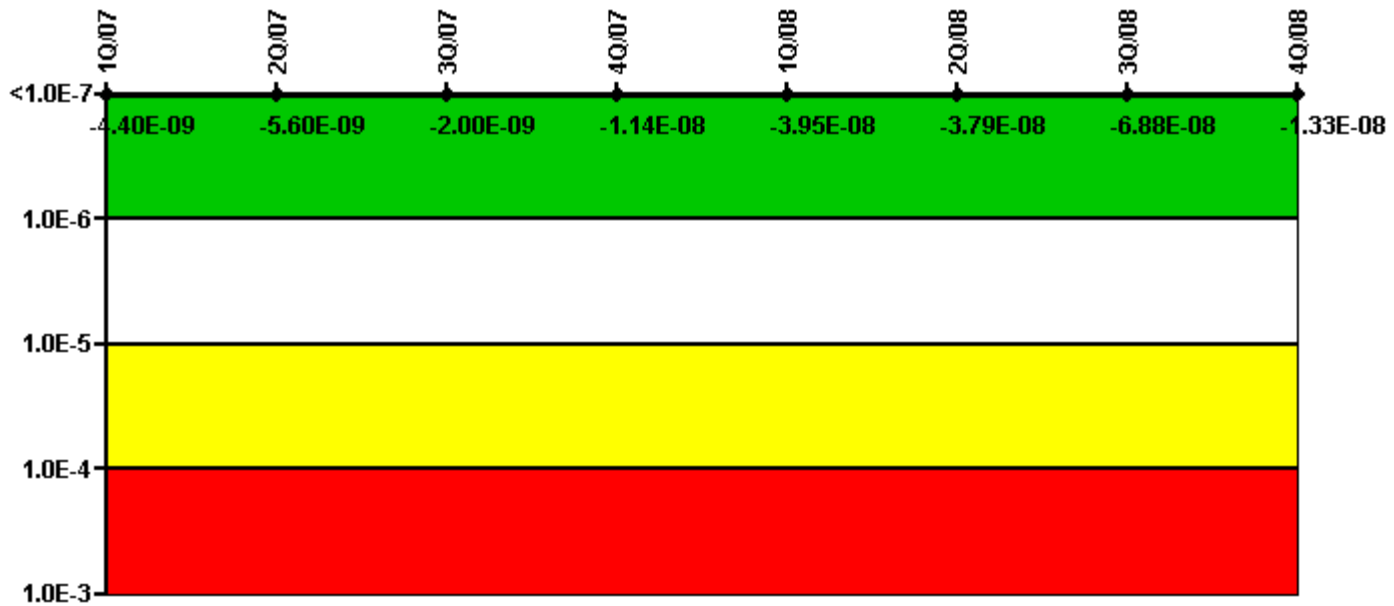
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	1.80E-08	2.50E-08	2.70E-08	1.90E-08	1.60E-08	2.90E-08	2.50E-08	2.60E-08
URI (Δ CDF)	6.00E-08	4.50E-08	4.30E-08	4.40E-08	4.50E-08	4.20E-08	4.80E-08	3.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.80E-08	7.00E-08	7.00E-08	6.30E-08	6.10E-08	7.10E-08	7.30E-08	6.10E-08

Licensee Comments:

4Q/08: 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

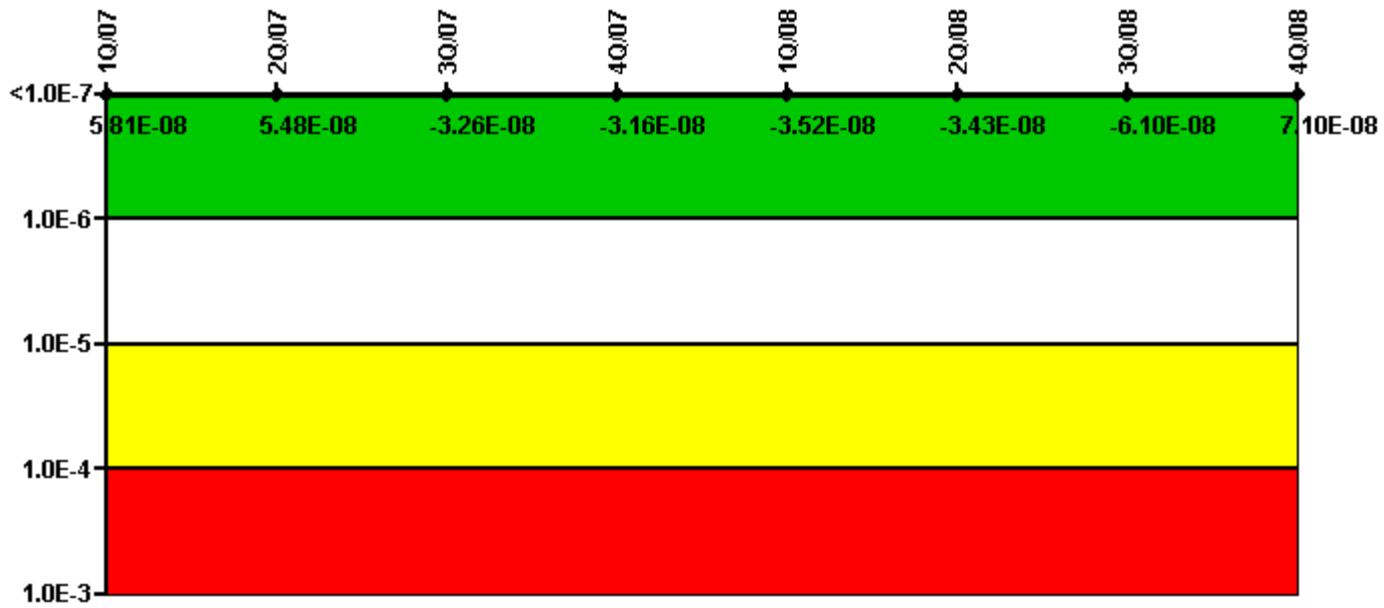
Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	6.60E-09	7.40E-09	1.00E-08	1.60E-09	-4.50E-09	-3.90E-09	-6.80E-09	7.70E-09
URI (Δ CDF)	-1.10E-08	-1.30E-08	-1.20E-08	-1.30E-08	-3.50E-08	-3.40E-08	-6.20E-08	-2.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-09	-5.60E-09	-2.00E-09	-1.14E-08	-3.95E-08	-3.79E-08	-6.88E-08	-1.33E-08

Licensee Comments:

4Q/08: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

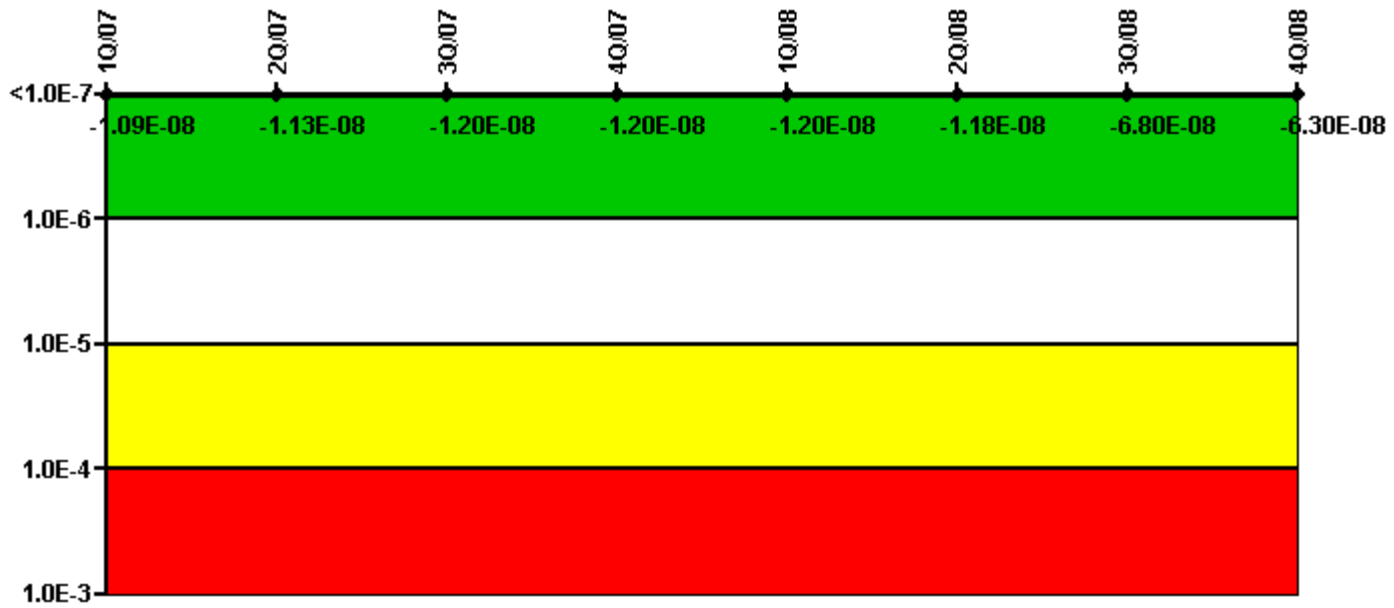
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-1.90E-09	-1.20E-09	-6.60E-09	-6.60E-09	-9.20E-09	-9.30E-09	-1.70E-08	-1.10E-08
URI (Δ CDF)	6.00E-08	5.60E-08	-2.60E-08	-2.50E-08	-2.60E-08	-2.50E-08	-4.40E-08	8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.81E-08	5.48E-08	-3.26E-08	-3.16E-08	-3.52E-08	-3.43E-08	-6.10E-08	7.10E-08

Licensee Comments:

4Q/08: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System



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

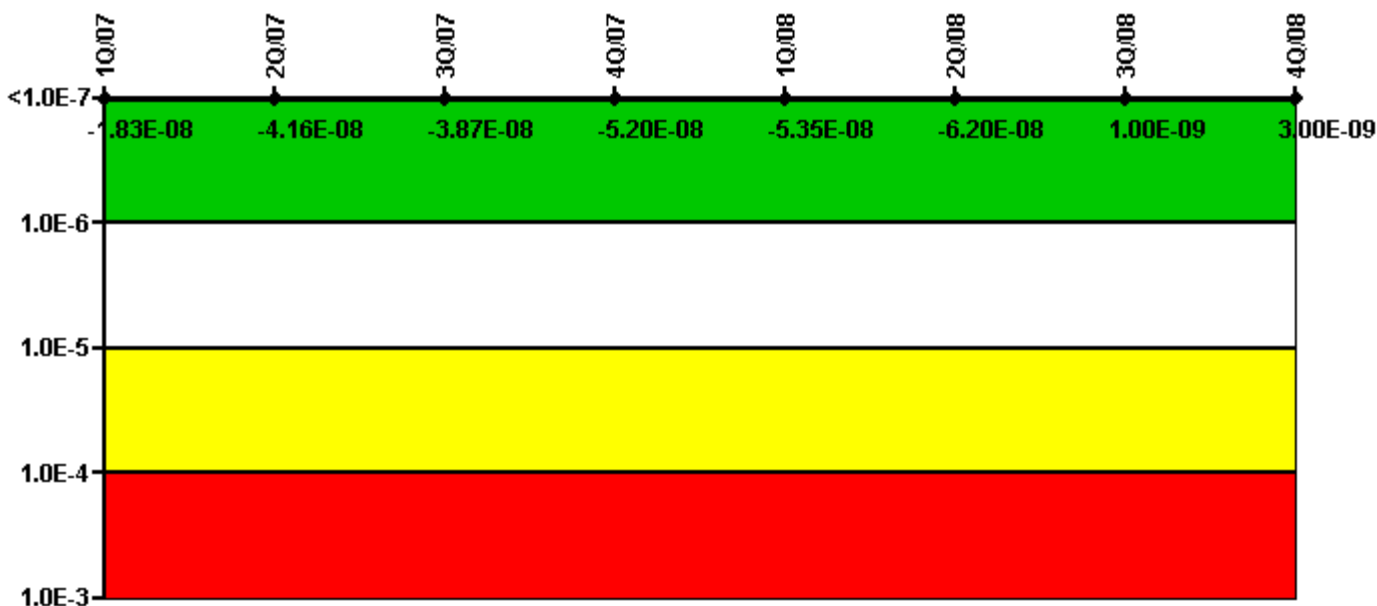
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-2.10E-09	-1.90E-09	-2.80E-09	-2.90E-09	-2.90E-09	-2.90E-09	-2.70E-08	-2.10E-08
URI (Δ CDF)	-8.80E-09	-9.40E-09	-9.20E-09	-9.10E-09	-9.10E-09	-8.90E-09	-4.10E-08	-4.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.09E-08	-1.13E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.18E-08	-6.80E-08	-6.30E-08

Licensee Comments:

4Q/08: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

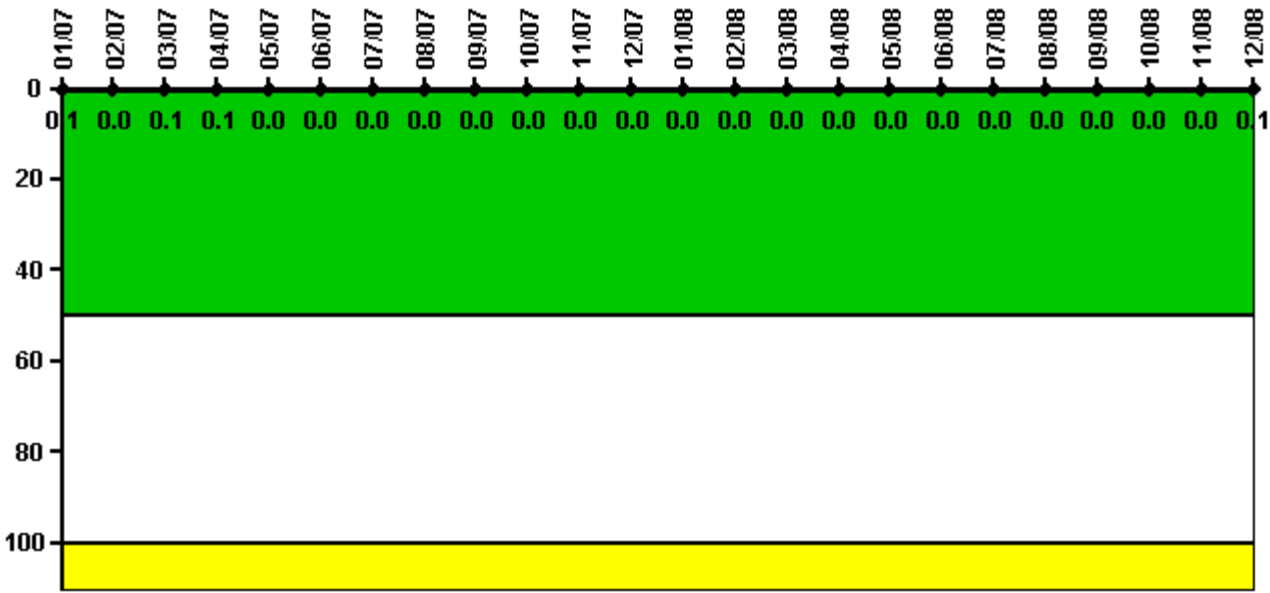
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	7.70E-09	3.60E-10	2.30E-09	-2.00E-09	-2.50E-09	-1.10E-08	2.50E-09	4.60E-09
URI (Δ CDF)	-2.60E-08	-4.20E-08	-4.10E-08	-5.00E-08	-5.10E-08	-5.10E-08	-1.50E-09	-1.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.83E-08	-4.16E-08	-3.87E-08	-5.20E-08	-5.35E-08	-6.20E-08	1.00E-09	3.00E-09

Licensee Comments:

4Q/08: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

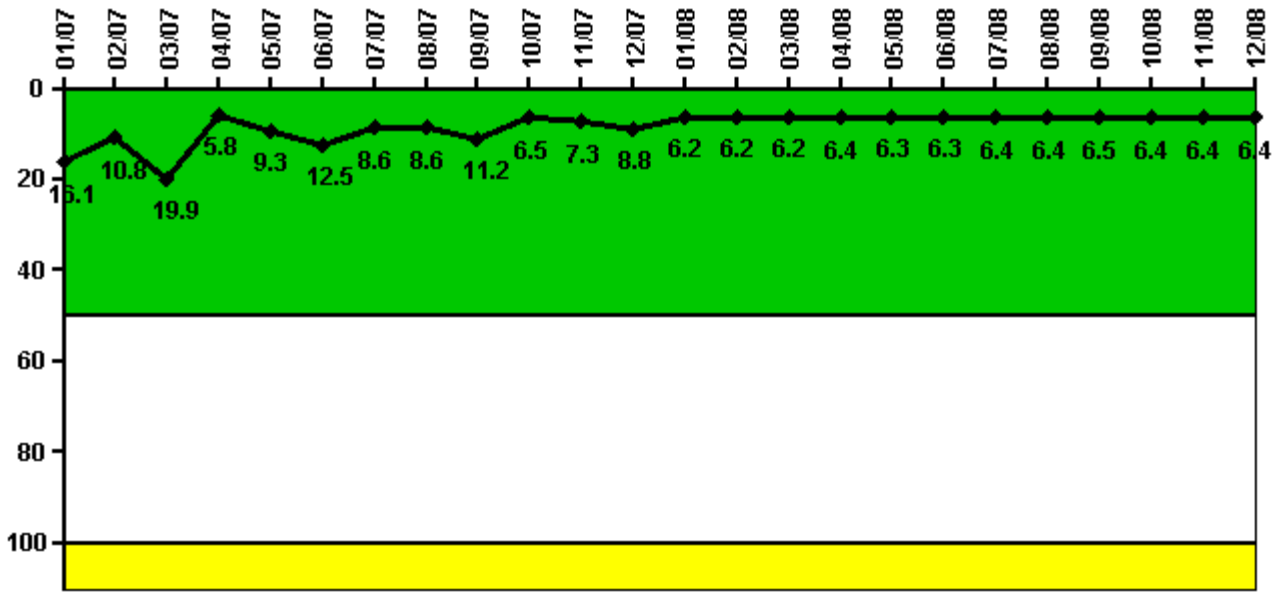
Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.012000	0.009470	0.018400	0.020600	0.006210	0.006470	0.006430	0.003380	0.003060	0.002610	0.001390	0.001750
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indicator value	0.1	0	0.1	0.1	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.002610	0.001820	0.001560	0.006080	0.001550	0.001240	0.001120	0.001230	0.000966	0.001090	0.000887	0.027100
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	0.1

Licensee Comments:

12/08: 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

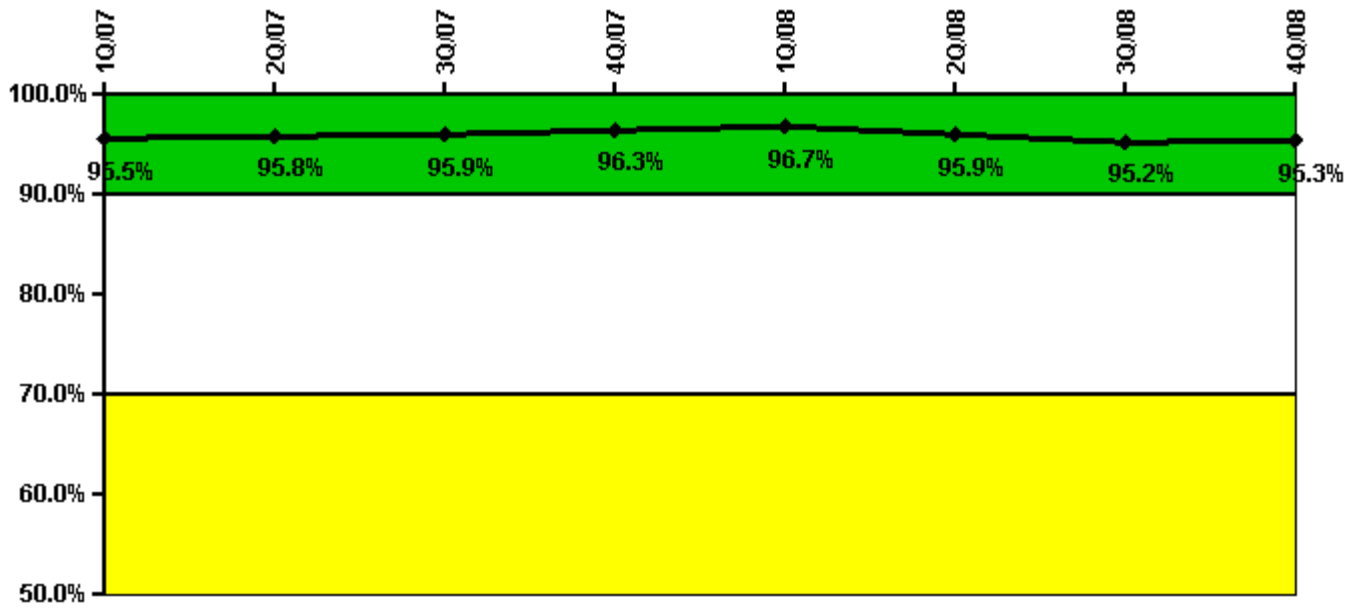
Notes

Reactor Coolant System Leakage	1/07	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
Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	1.550	1.560	1.560	1.590	1.580	1.575	1.590	1.610	1.620	1.600	1.600	1.590
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	6.2	6.2	6.2	6.4	6.3	6.3	6.4	6.4	6.5	6.4	6.4	6.4

Licensee Comments:

12/08: 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



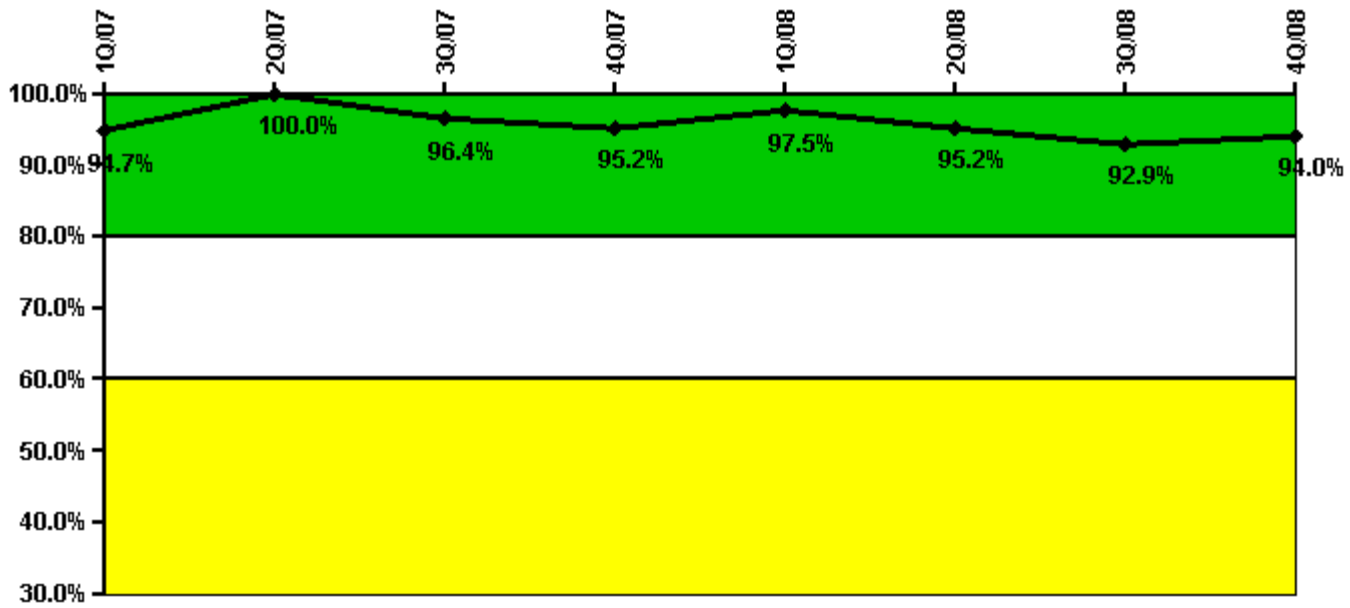
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	11.0	16.0	40.0	32.0	21.0	22.0	44.0	57.0
Total opportunities	12.0	16.0	42.0	32.0	23.0	26.0	46.0	58.0
Indicator value	95.5%	95.8%	95.9%	96.3%	96.7%	95.9%	95.2%	95.3%

Licensee Comments: none

ERO Drill Participation



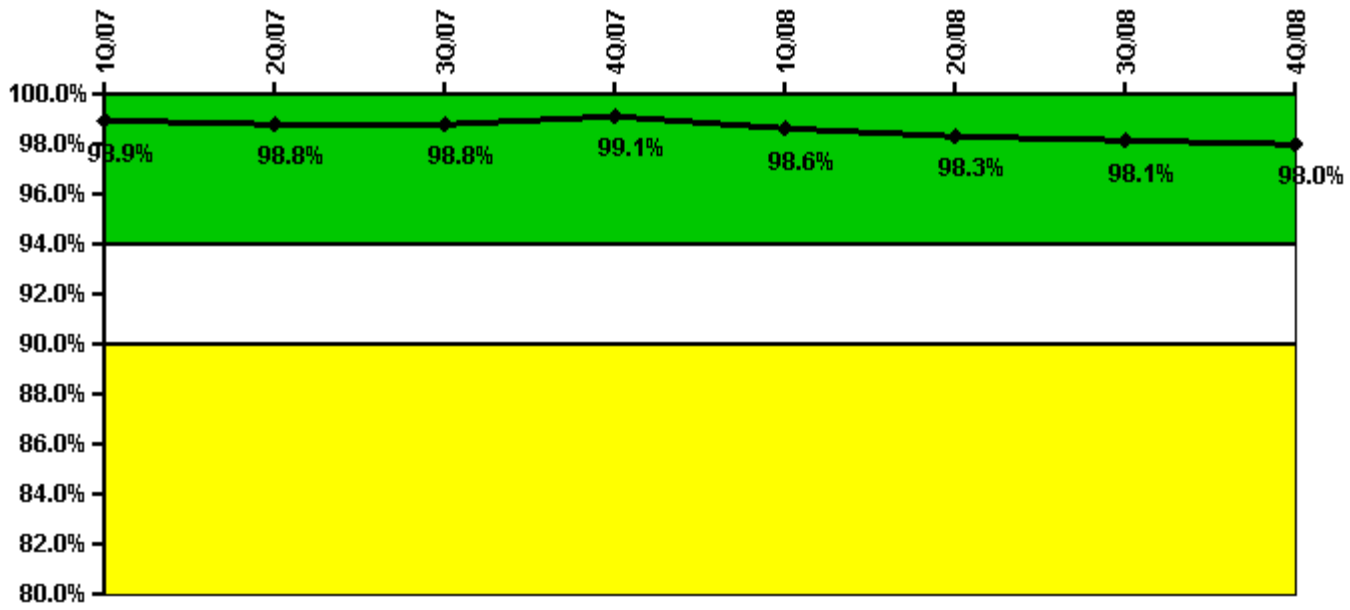
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	54.0	56.0	80.0	79.0	79.0	80.0	78.0	78.0
Total Key personnel	57.0	56.0	83.0	83.0	81.0	84.0	84.0	83.0
Indicator value	94.7%	100.0%	96.4%	95.2%	97.5%	95.2%	92.9%	94.0%

Licensee Comments: none

Alert & Notification System



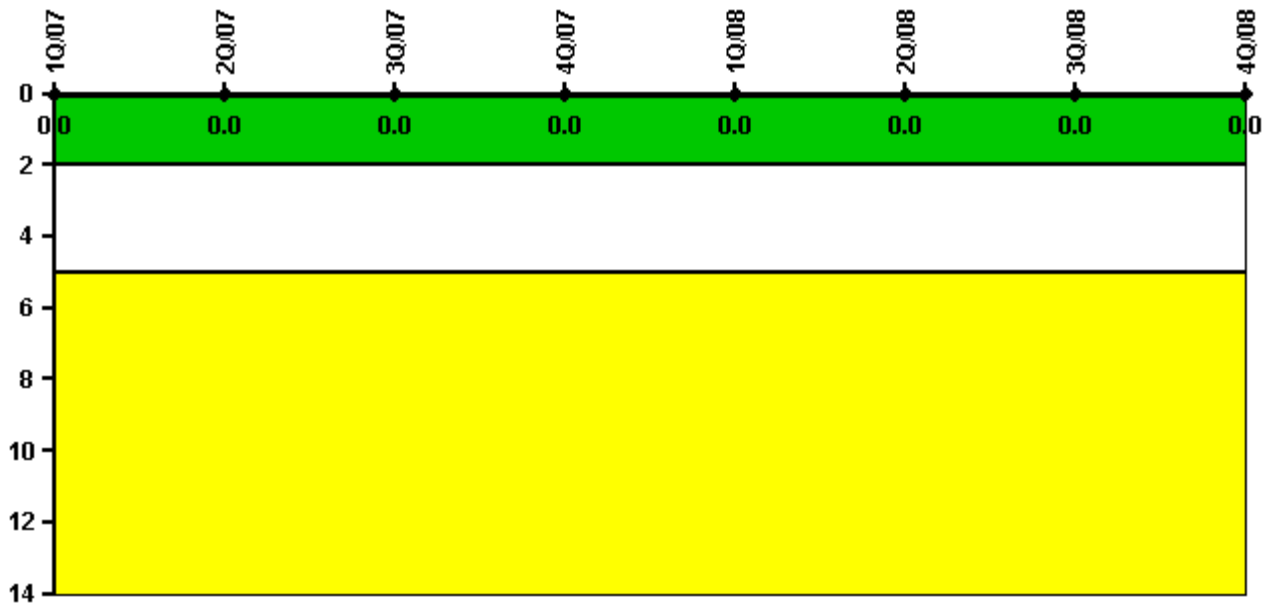
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	336	335	338	447	328	331	335	446
Total sirens-tests	339	339	339	452	339	339	339	452
Indicator value	98.9%	98.8%	98.8%	99.1%	98.6%	98.3%	98.1%	98.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Security](#) information not publicly available.