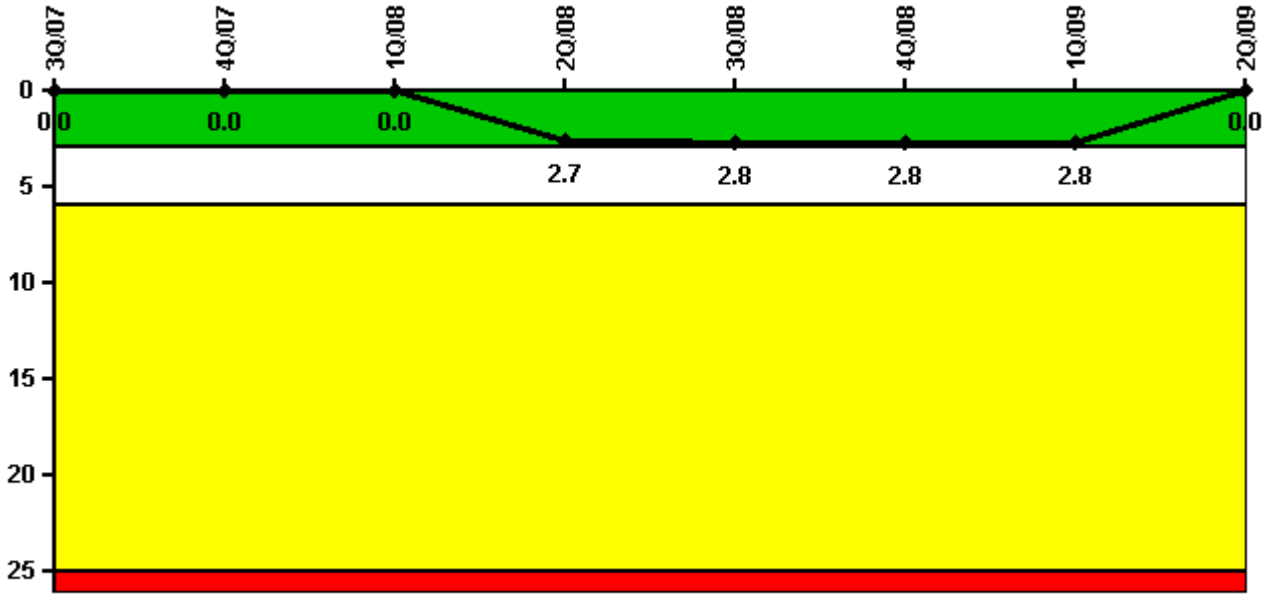


Millstone 2

2Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



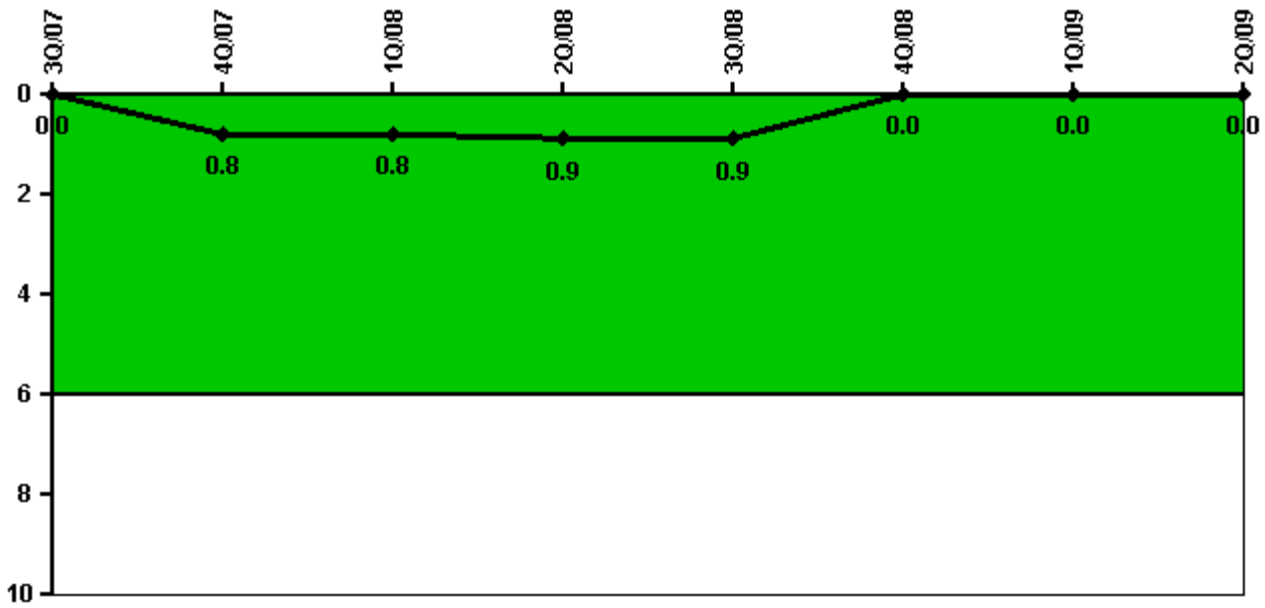
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	3.0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	1039.0	2198.4	2209.0	2159.0	2184.0
Indicator value	0	0	0	2.7	2.8	2.8	2.8	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



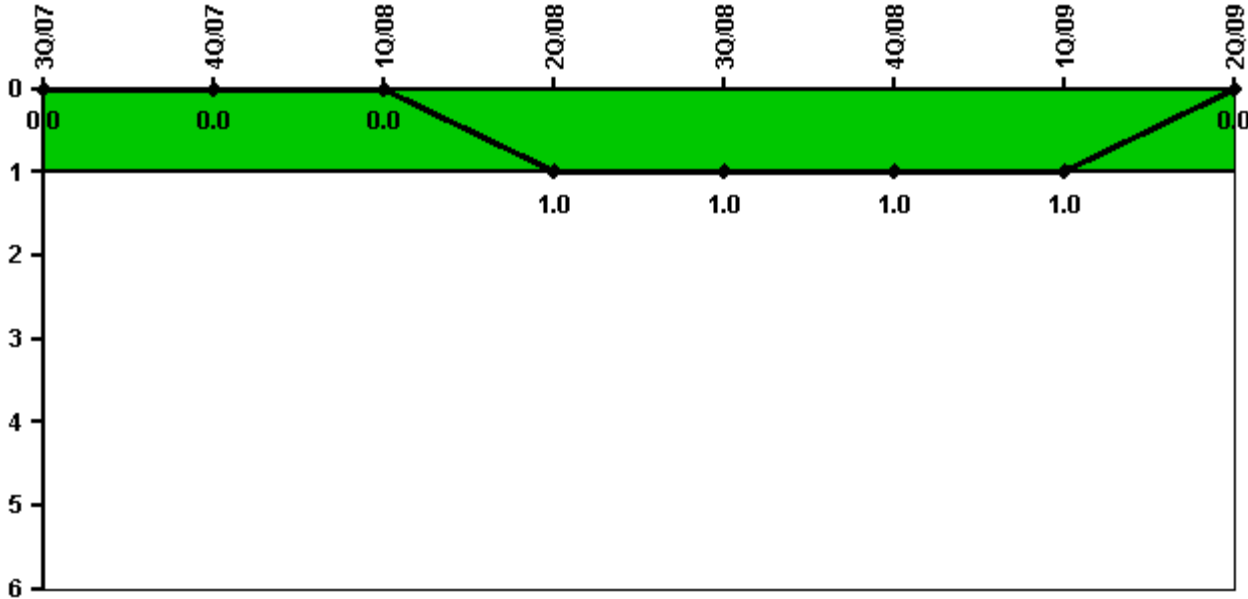
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	1039.0	2198.4	2209.0	2159.0	2184.0
Indicator value	0	0.8	0.8	0.9	0.9	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



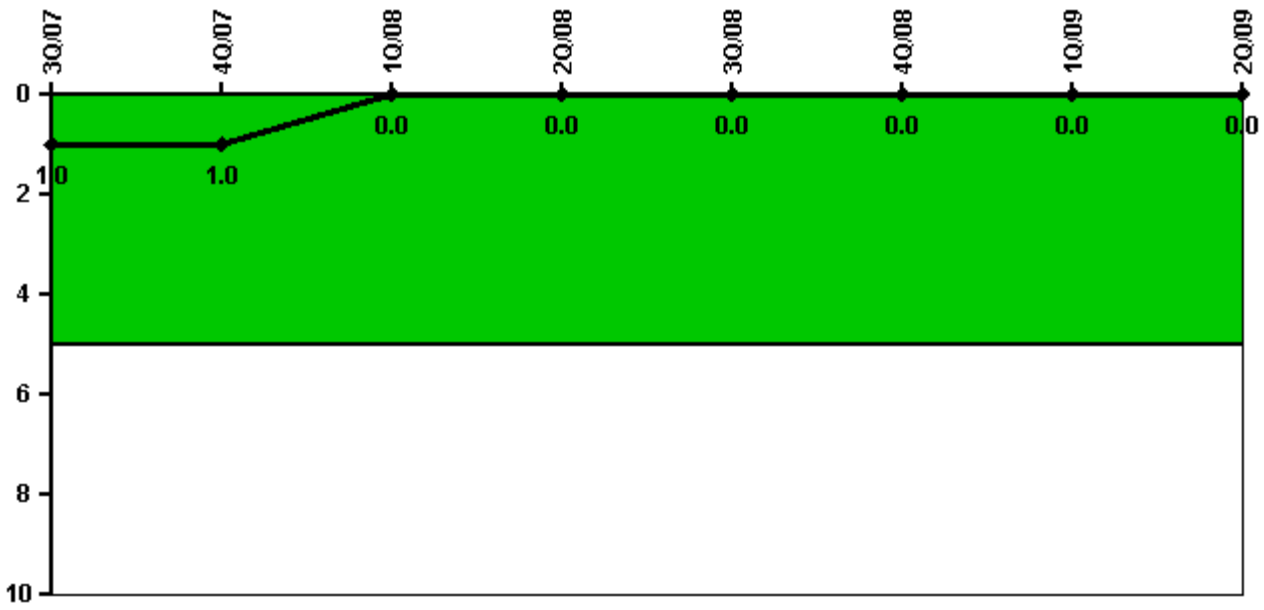
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Scrams with complications	0	0	0	1.0	0	0	0	0
Indicator value	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



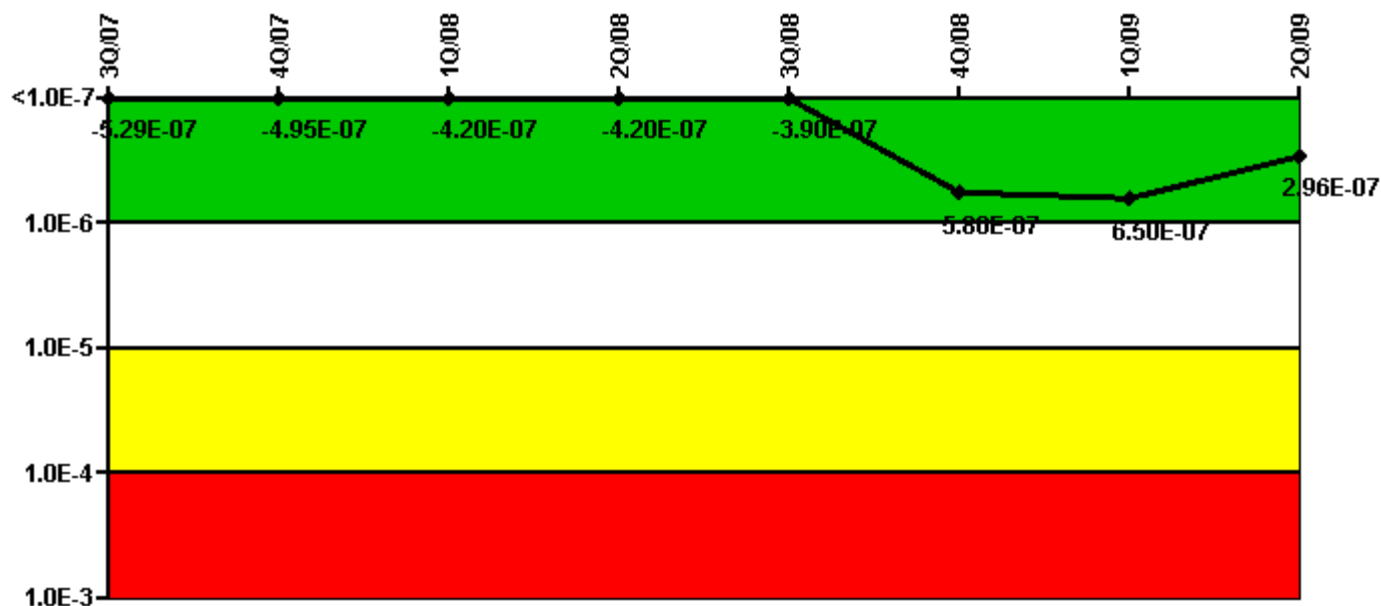
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	1	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

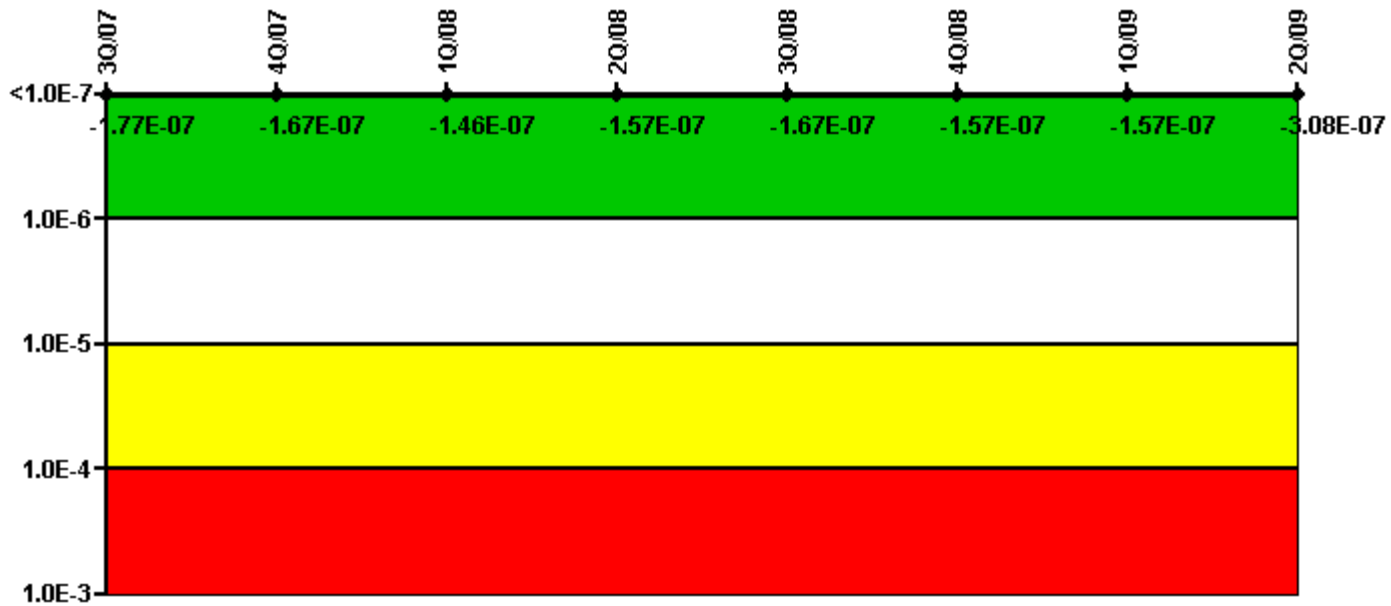
Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	1.10E-08	5.50E-08	1.30E-07	1.50E-07	1.80E-07	2.20E-07	2.90E-07	2.90E-07
URI (Δ CDF)	-5.40E-07	-5.50E-07	-5.50E-07	-5.70E-07	-5.70E-07	3.60E-07	3.60E-07	5.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.29E-07	-4.95E-07	-4.20E-07	-4.20E-07	-3.90E-07	5.80E-07	6.50E-07	2.96E-07

Licensee Comments:

2Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 3/26/09. PRA model was updated to capture available margin for diesel. Updated the 'A' baseline unavailability to remove the overhaul hours.

1Q/09: Updated the past unavailability (2nd qtr 2007-1st qtr 2008) based on error in a procedure resulting in additional unavailability. This issue was in the site's corrective action process. This did not result in crossing any threshold.

Mitigating Systems Performance Index, High Pressure Injection System



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

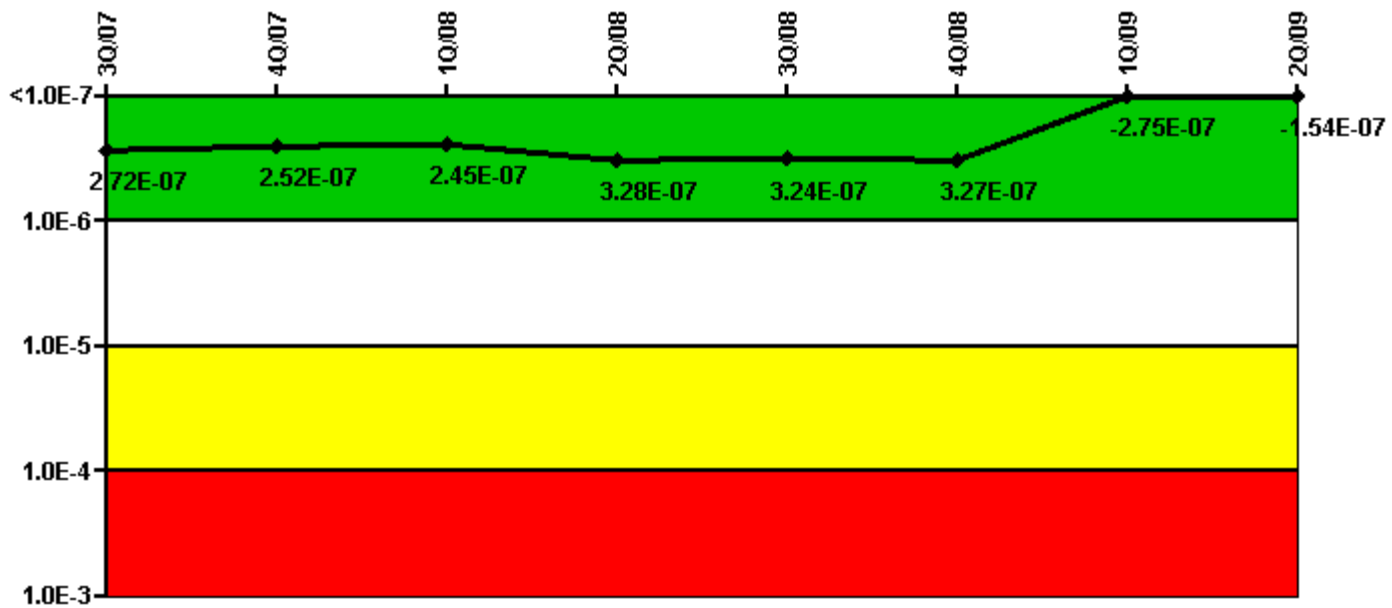
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-2.70E-07
URI (Δ CDF)	-1.20E-07	-1.10E-07	-8.90E-08	-1.00E-07	-1.10E-07	-1.00E-07	-1.00E-07	-3.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.77E-07	-1.67E-07	-1.46E-07	-1.57E-07	-1.67E-07	-1.57E-07	-1.57E-07	-3.08E-07

Licensee Comments:

2Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 3/26/09. PRA model was updated to capture available margin for diesel.

Mitigating Systems Performance Index, Heat Removal System



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

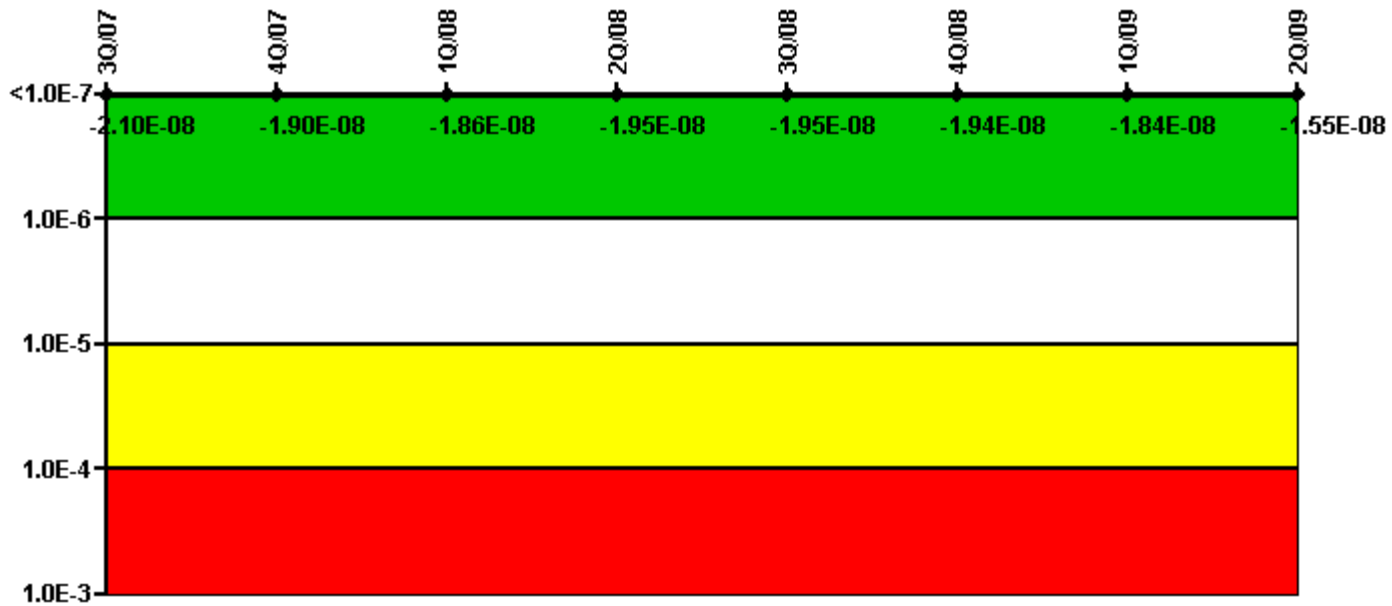
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	6.20E-08	4.20E-08	4.50E-08	4.80E-08	4.40E-08	5.70E-08	-3.50E-08	-2.40E-08
URI (Δ CDF)	2.10E-07	2.10E-07	2.00E-07	2.80E-07	2.80E-07	2.70E-07	-2.40E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.72E-07	2.52E-07	2.45E-07	3.28E-07	3.24E-07	3.27E-07	-2.75E-07	-1.54E-07

Licensee Comments:

2Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 3/26/09. PRA model was updated to capture available margin for diesel.

Mitigating Systems Performance Index, Residual Heat Removal System



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

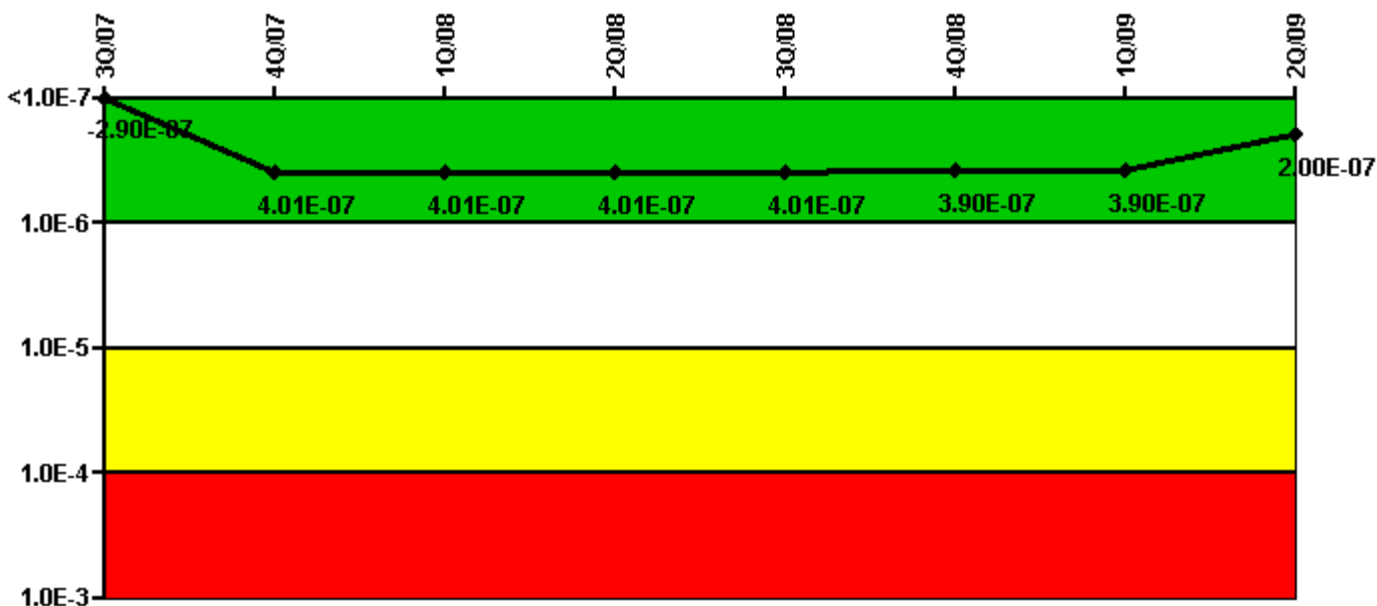
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	-1.00E-09	-1.00E-09	-5.70E-10	-5.20E-10	-5.10E-10	-4.40E-10	-4.20E-10	-5.30E-10
URI (Δ CDF)	-2.00E-08	-1.80E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-08	-1.90E-08	-1.86E-08	-1.95E-08	-1.95E-08	-1.94E-08	-1.84E-08	-1.55E-08

Licensee Comments:

2Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 3/26/09. PRA model was updated to capture available margin for diesel.

Mitigating Systems Performance Index, Cooling Water Systems



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

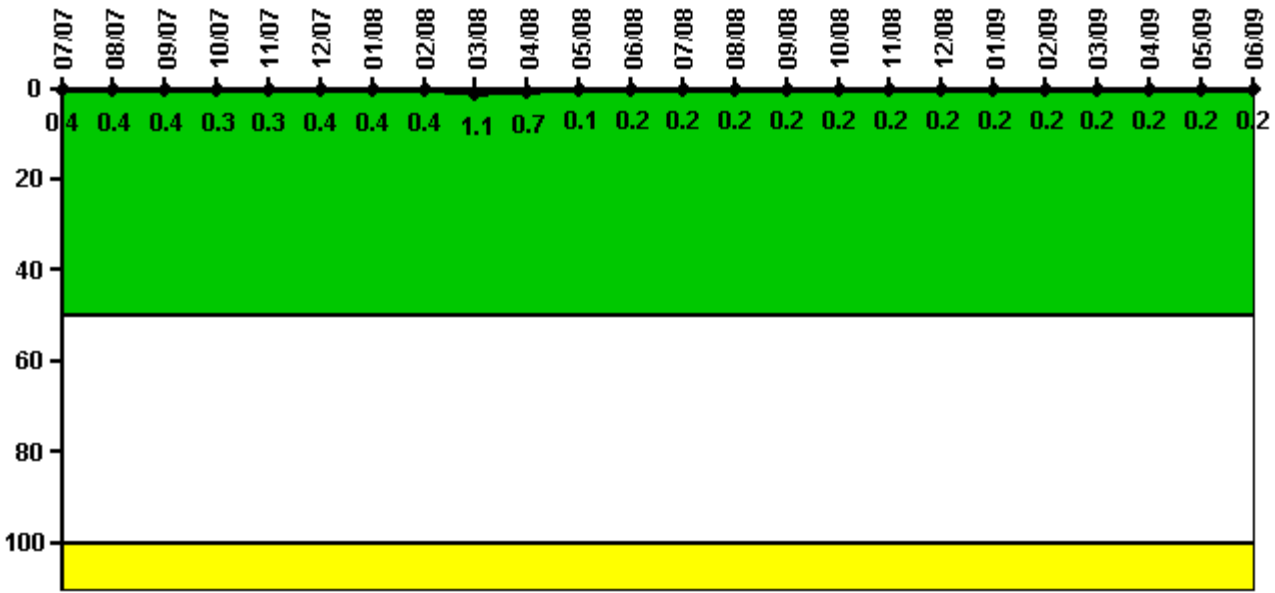
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	$-3.00E-08$	$-1.90E-08$	$-1.90E-08$	$-1.90E-08$	$-1.90E-08$	$-3.00E-08$	$-3.00E-08$	$-2.00E-08$
URI (Δ CDF)	$-2.60E-07$	$4.20E-07$	$4.20E-07$	$4.20E-07$	$4.20E-07$	$4.20E-07$	$4.20E-07$	$2.20E-07$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-2.90E-07$	$4.01E-07$	$4.01E-07$	$4.01E-07$	$4.01E-07$	$3.90E-07$	$3.90E-07$	$2.00E-07$

Licensee Comments:

2Q/09: Changed PRA Parameter(s). Revised PRA values based on PRA model revision dated 3/26/09. PRA model was updated to capture available margin for diesel. Revised operational estimates to reflect plant data.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

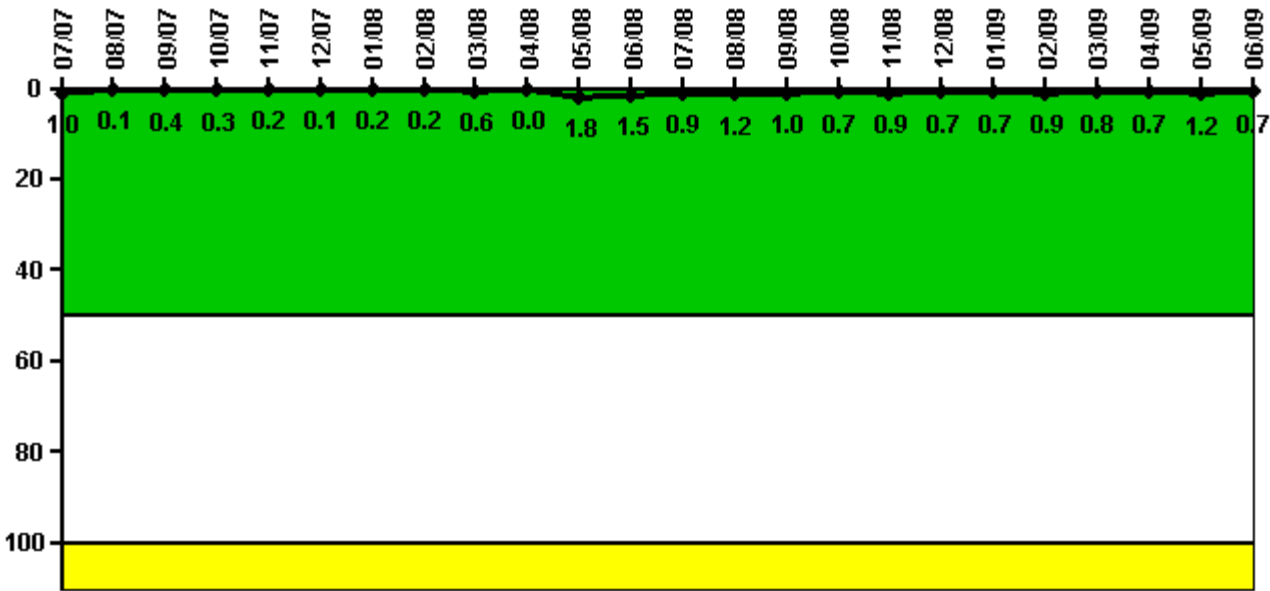
Notes

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.003560	0.003560	0.003610	0.003320	0.003400	0.003510	0.003570	0.003680	0.010500	0.007390	0.001390	0.001550
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	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	1.1	0.7	0.1	0.2

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.001610	0.001690	0.001720	0.001800	0.001870	0.001900	0.002040	0.002070	0.002360	0.002300	0.002340	0.002490
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



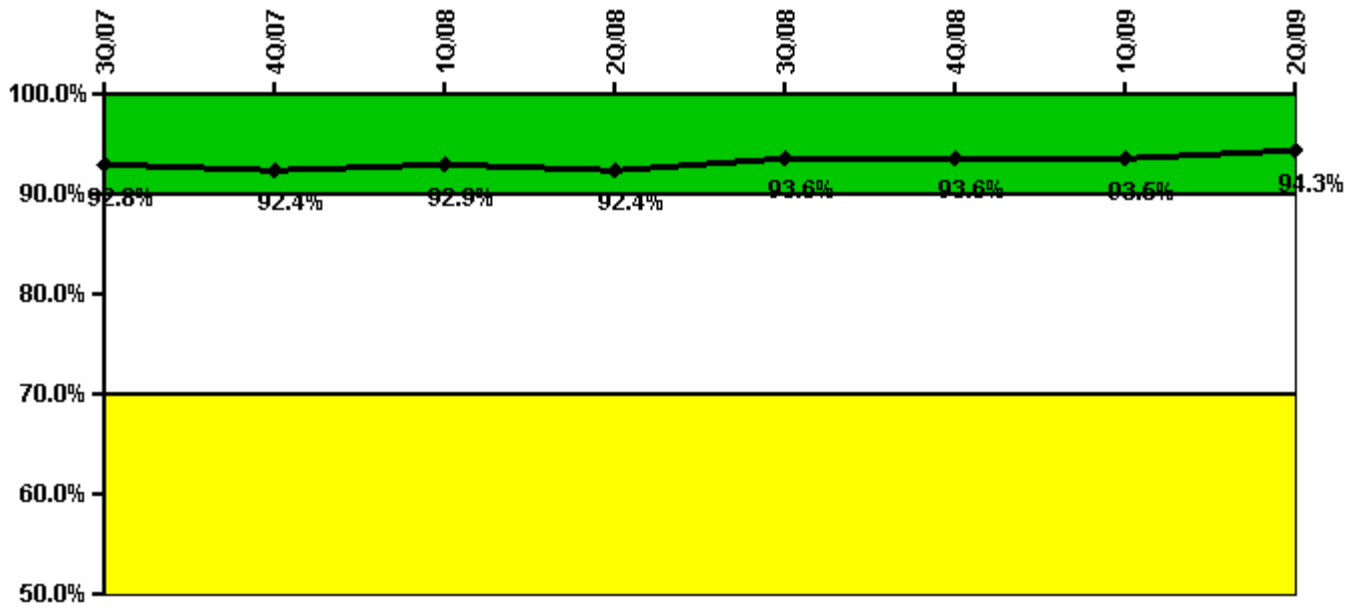
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.096	0.012	0.035	0.033	0.024	0.014	0.018	0.020	0.061	0.004	0.180	0.145
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	1.0	0.1	0.4	0.3	0.2	0.1	0.2	0.2	0.6	0	1.8	1.5
Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.093	0.124	0.096	0.067	0.092	0.069	0.073	0.085	0.080	0.067	0.117	0.069
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	0.9	1.2	1.0	0.7	0.9	0.7	0.7	0.9	0.8	0.7	1.2	0.7

Licensee Comments: none

Drill/Exercise Performance



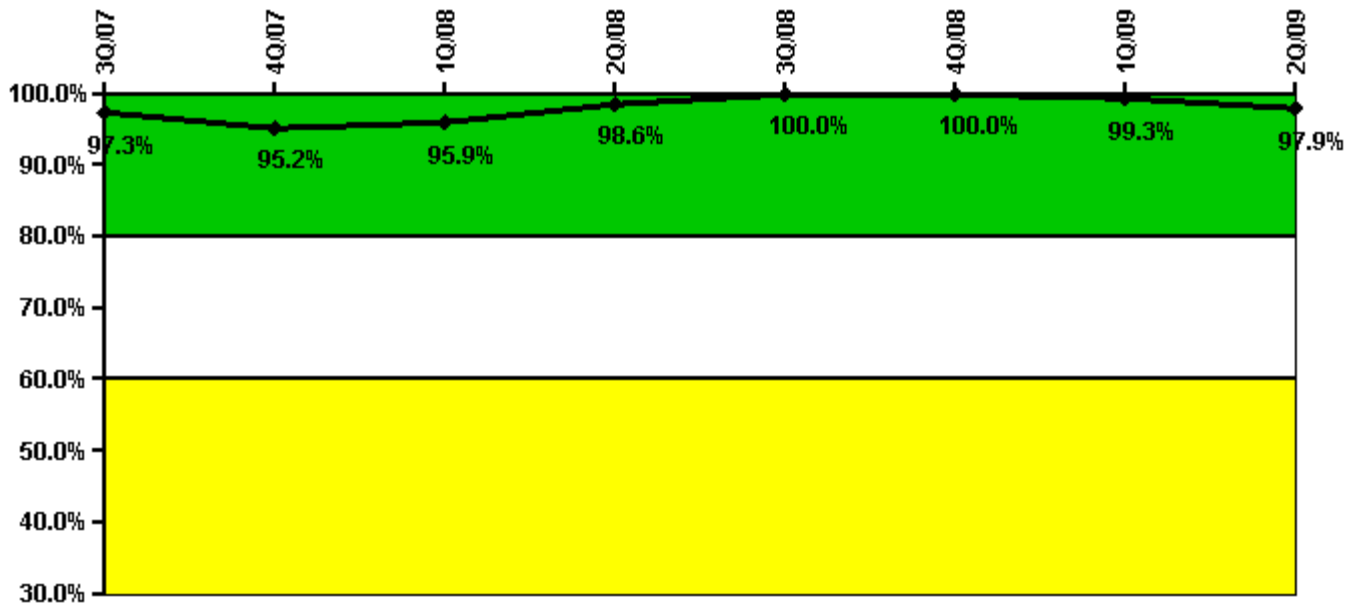
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	30.0	36.0	35.0	38.0	57.0	0	23.0	48.0
Total opportunities	31.0	40.0	37.0	41.0	59.0	0	26.0	49.0
Indicator value	92.8%	92.4%	92.9%	92.4%	93.6%	93.6%	93.5%	94.3%

Licensee Comments: none

ERO Drill Participation



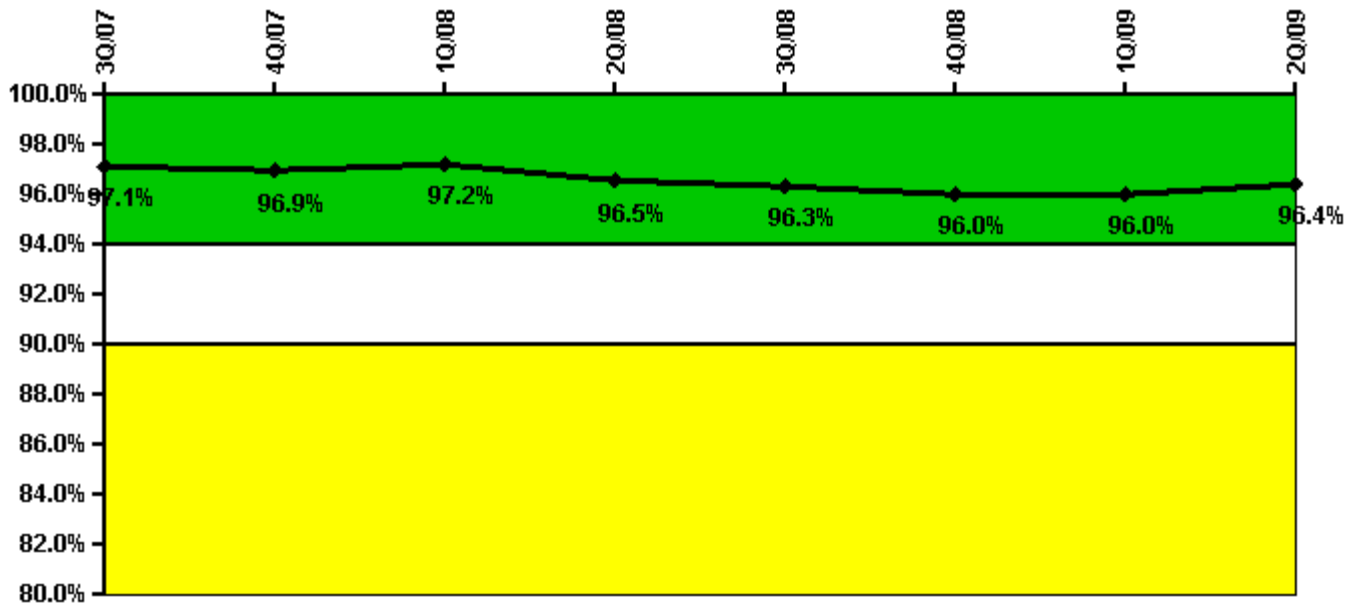
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	145.0	140.0	141.0	144.0	147.0	145.0	142.0	140.0
Total Key personnel	149.0	147.0	147.0	146.0	147.0	145.0	143.0	143.0
Indicator value	97.3%	95.2%	95.9%	98.6%	100.0%	100.0%	99.3%	97.9%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	453	308	316	304	450	304	316	310
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	97.1%	96.9%	97.2%	96.5%	96.3%	96.0%	96.0%	96.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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.