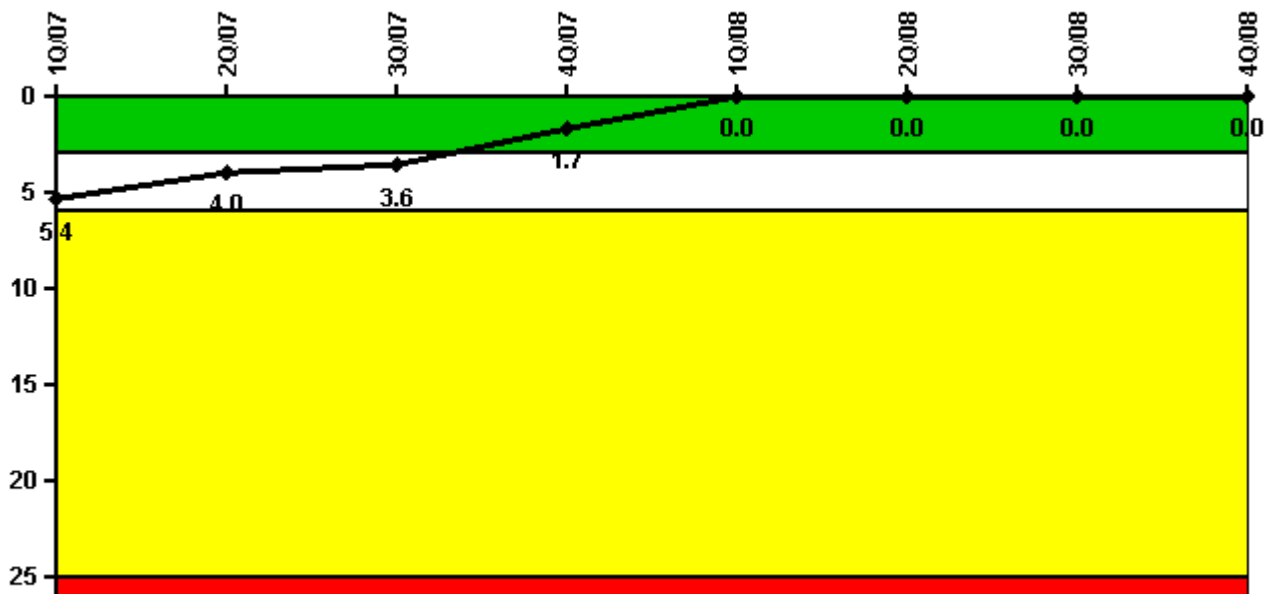


Kewaunee

4Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



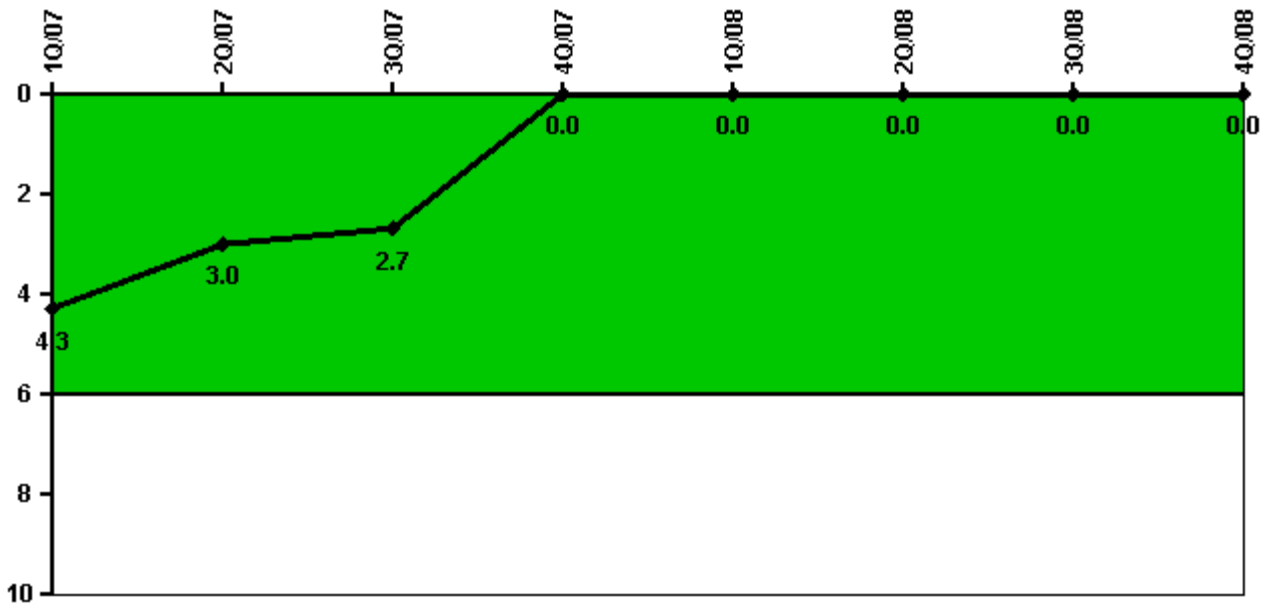
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	0	0	0
Critical hours	1870.0	2184.0	2208.0	2025.3	2111.9	1278.5	2208.0	2209.0
Indicator value	5.4	4.0	3.6	1.7	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



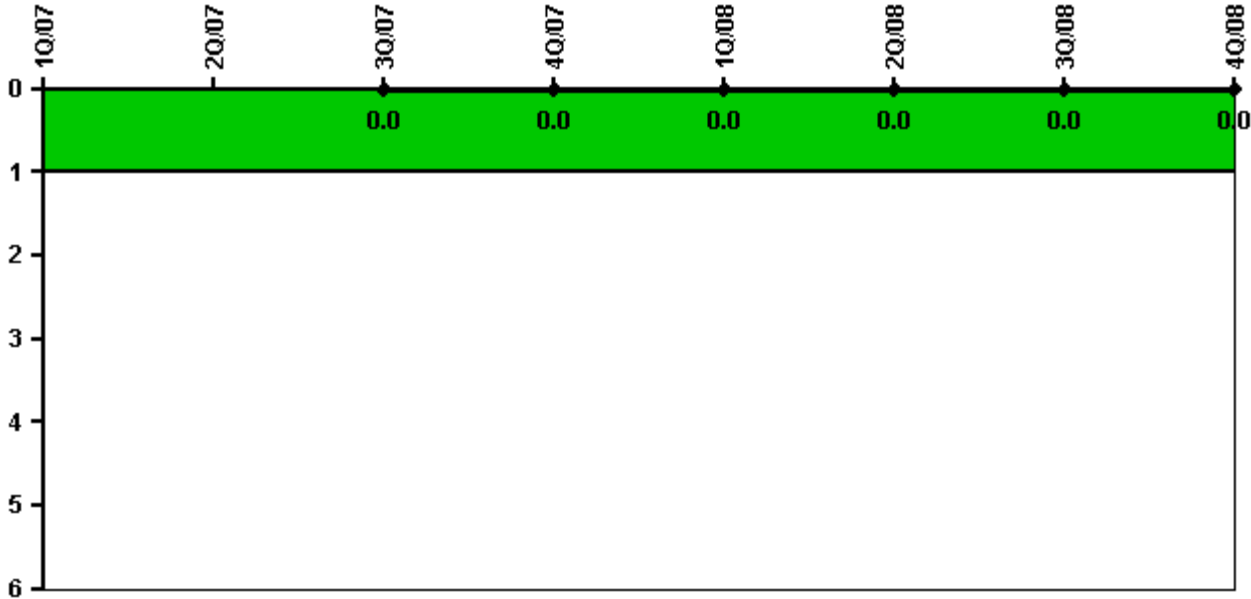
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1870.0	2184.0	2208.0	2025.3	2111.9	1278.5	2208.0	2209.0
Indicator value	4.3	3.0	2.7	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



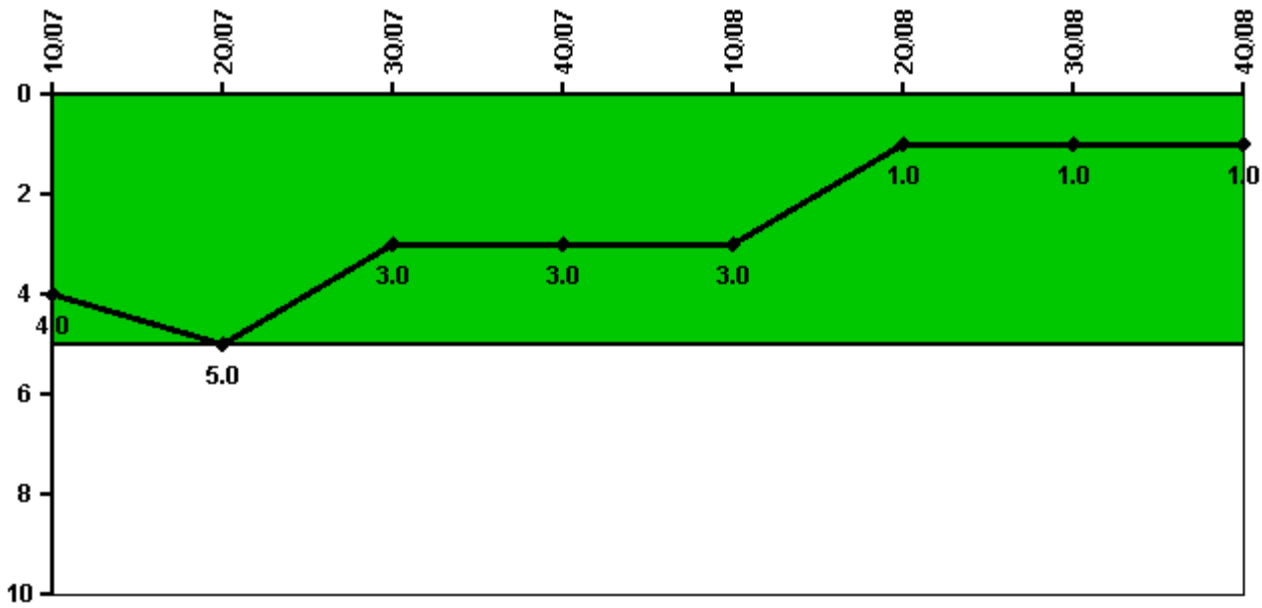
Thresholds: White > 1.0

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 (PWR)



Thresholds: White > 5.0

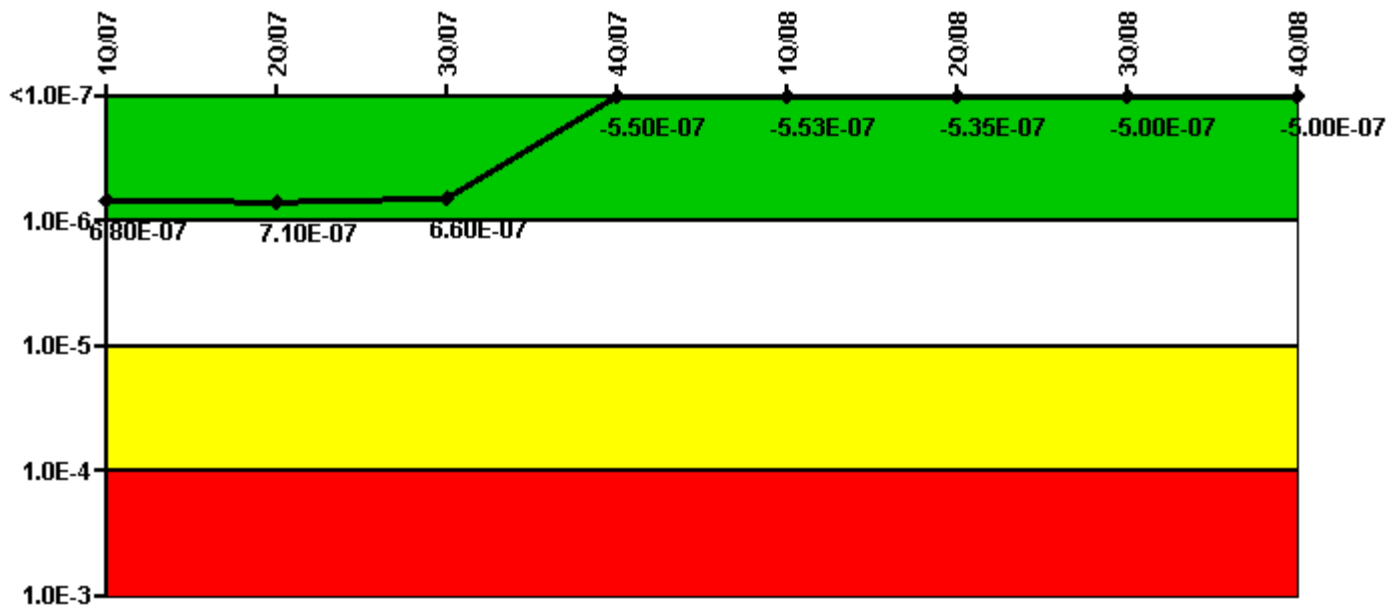
Notes

Safety System Functional Failures (PWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	2	0	1	0	0	0	1
Indicator value	4	5	3	3	3	1	1	1

Licensee Comments:

4Q/08: LER 2008-002, Blocked Open Steam Exclusion Door, dated 12/18/08 is being counted as an SSFF.

Mitigating Systems Performance Index, Emergency AC Power System



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

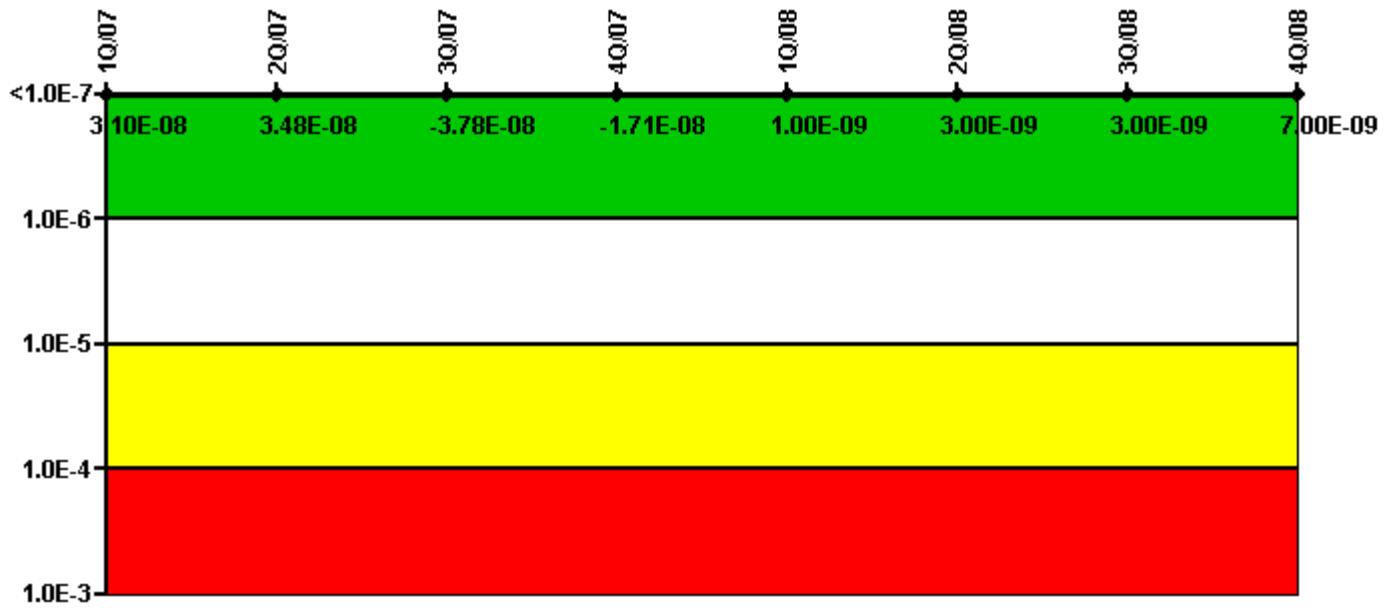
Notes

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 (ΔCDF)	1.60E-07	1.90E-07	1.40E-07	8.00E-08	8.70E-08	7.50E-08	1.10E-07	1.00E-07
URI (ΔCDF)	5.20E-07	5.20E-07	5.20E-07	-6.30E-07	-6.40E-07	-6.10E-07	-6.10E-07	-6.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.80E-07	7.10E-07	6.60E-07	-5.50E-07	-5.53E-07	-5.35E-07	-5.00E-07	-5.00E-07

Licensee Comments:

4Q/08: Risk Cap Invoked. PRA data for MSPI systems and components have been updated for use in the first quarter of 2009 to reflect PRA changes made under model K107Aa that was issued for use on November 12, 2008.

Mitigating Systems Performance Index, High Pressure Injection System



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

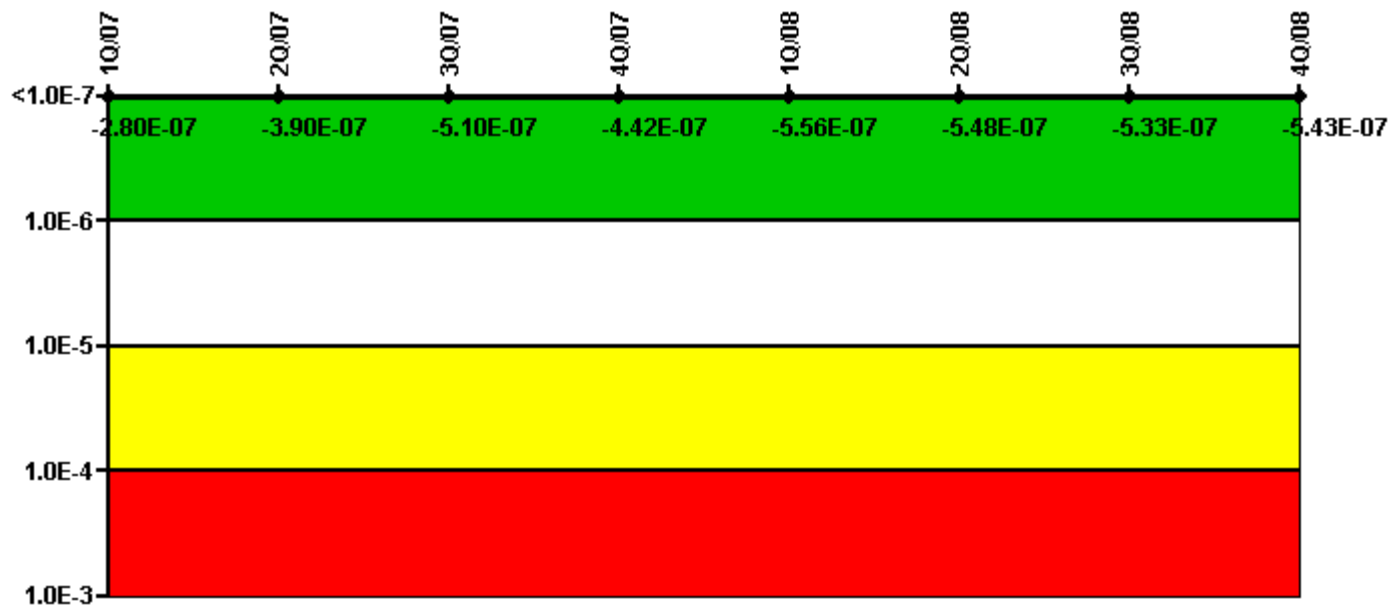
Notes

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)	$-1.00E-08$	$-6.20E-09$	$-2.80E-09$	$2.90E-09$	$2.30E-08$	$2.60E-08$	$2.70E-08$	$3.00E-08$
URI (Δ CDF)	$4.10E-08$	$4.10E-08$	$-3.50E-08$	$-2.00E-08$	$-2.20E-08$	$-2.30E-08$	$-2.40E-08$	$-2.30E-08$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$3.10E-08$	$3.48E-08$	$-3.78E-08$	$-1.71E-08$	$1.00E-09$	$3.00E-09$	$3.00E-09$	$7.00E-09$

Licensee Comments:

4Q/08: PRA data for MSPI systems and components have been updated for use in the first quarter of 2009 to reflect PRA changes made under model K107Aa that was issued for use on November 12, 2008.

Mitigating Systems Performance Index, Heat Removal System



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

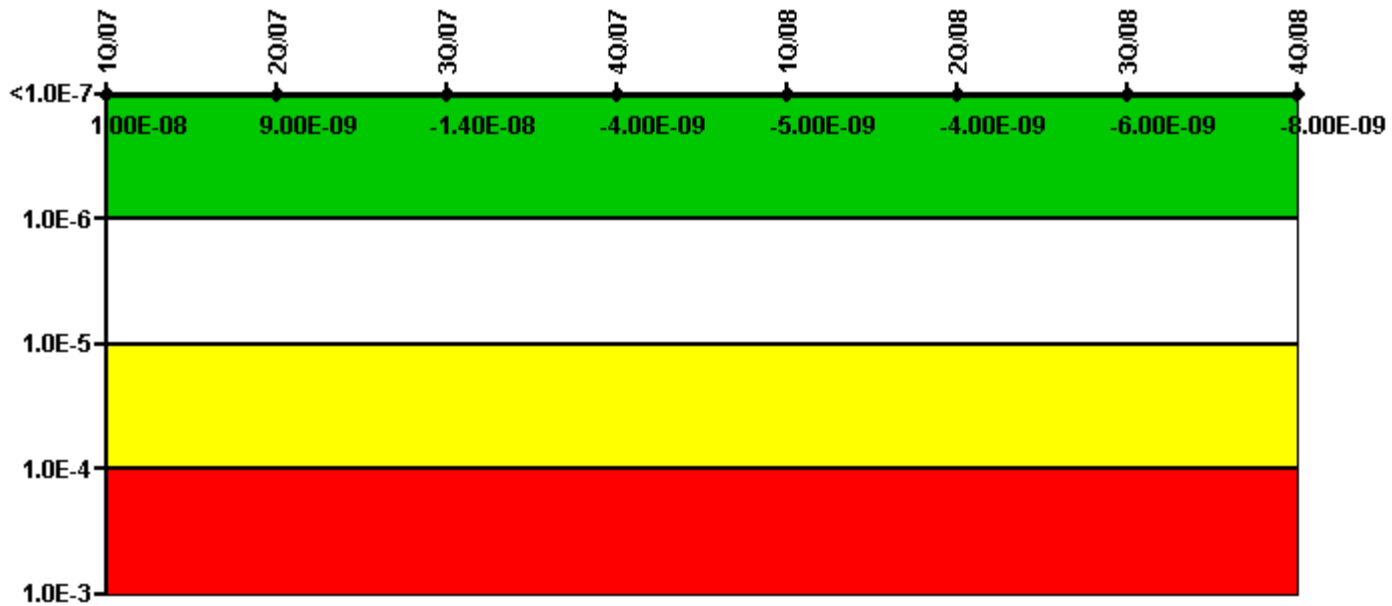
Notes

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)	2.00E-07	1.00E-07	4.00E-08	1.80E-08	-7.60E-08	-7.80E-08	-5.30E-08	-7.30E-08
URI (Δ CDF)	-4.80E-07	-4.90E-07	-5.50E-07	-4.60E-07	-4.80E-07	-4.70E-07	-4.80E-07	-4.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-07	-3.90E-07	-5.10E-07	-4.42E-07	-5.56E-07	-5.48E-07	-5.33E-07	-5.43E-07

Licensee Comments:

4Q/08: PRA data for MSPI systems and components have been updated for use in the first quarter of 2009 to reflect PRA changes made under model K107Aa that was issued for use on November 12, 2008.

Mitigating Systems Performance Index, Residual Heat Removal System



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

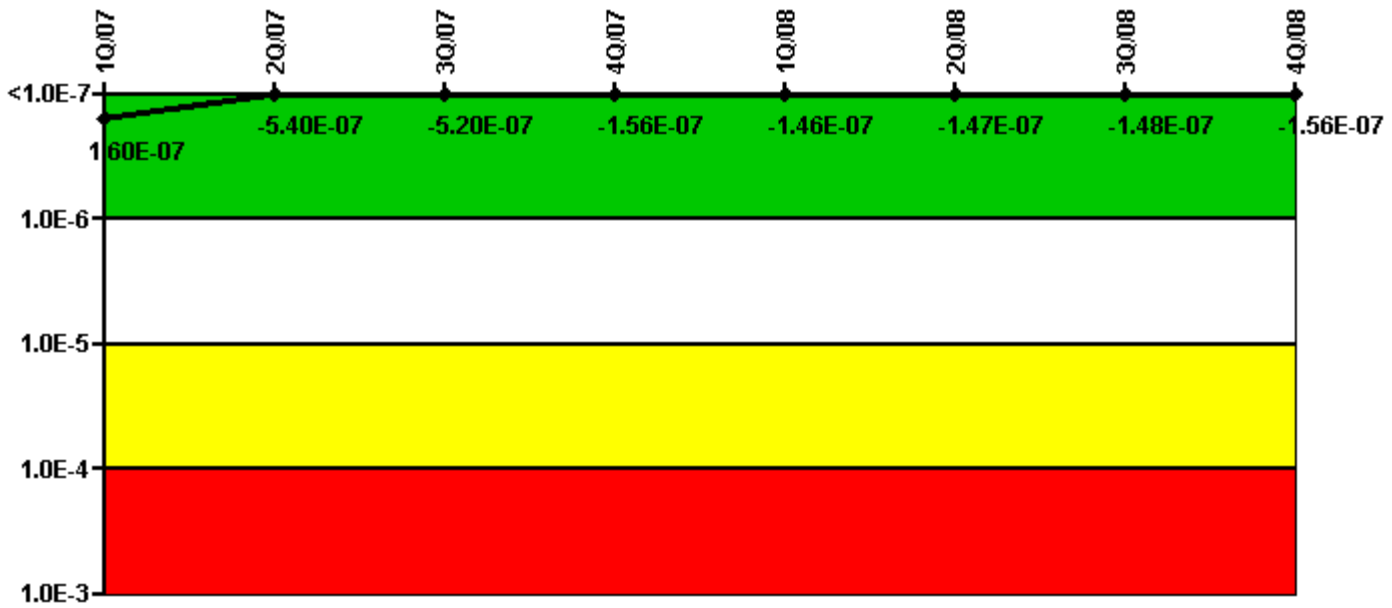
Notes

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)	6.10E-08	6.00E-08	3.60E-08	3.10E-08	2.90E-08	2.60E-08	2.40E-08	2.30E-08
URI (Δ CDF)	-5.10E-08	-5.10E-08	-5.00E-08	-3.50E-08	-3.40E-08	-3.00E-08	-3.00E-08	-3.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.00E-08	9.00E-09	1.40E-08	4.00E-09	5.00E-09	4.00E-09	6.00E-09	8.00E-09

Licensee Comments:

4Q/08: PRA data for MSPI systems and components have been updated for use in the first quarter of 2009 to reflect PRA changes made under model K107Aa that was issued for use on November 12, 2008. An FAQ has been submitted concerning the use of dedicated operators during performance of procedure OP-KW-ORT-SI-001A(B). If the FAQ is not approved, an additional 14.59 hours of planned unavailability will be added to MSPI RHR system data for 2008. The additional unavailability will not impact the current color of the indicator (GREEN).

Mitigating Systems Performance Index, Cooling Water Systems



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

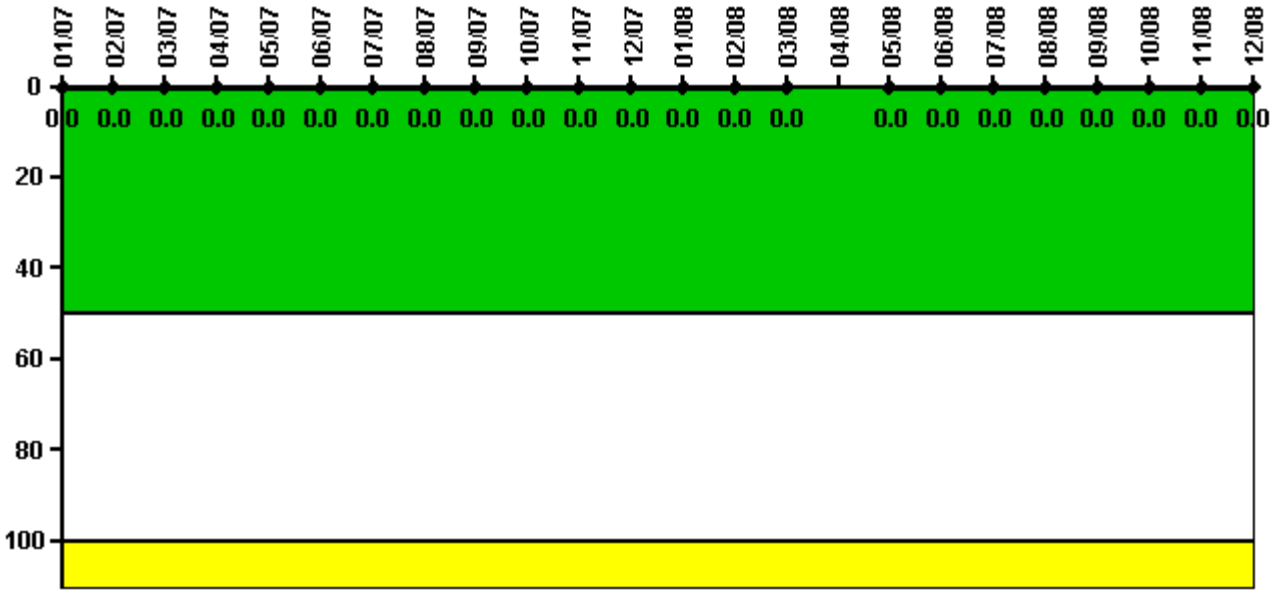
Notes

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)	-1.40E-07	-1.40E-07	-1.30E-07	-1.10E-07	-1.00E-07	-9.90E-08	-1.00E-07	-1.10E-07
URI (Δ CDF)	3.00E-07	-4.00E-07	-3.90E-07	-4.60E-08	-4.60E-08	-4.80E-08	-4.80E-08	-4.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.60E-07	5.40E-07	5.20E-07	1.56E-07	1.46E-07	1.47E-07	1.48E-07	1.56E-07

Licensee Comments:

4Q/08: PRA data for MSPI systems and components have been updated for use in the first quarter of 2009 to reflect PRA changes made under model K107Aa that was issued for use on November 12, 2008.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

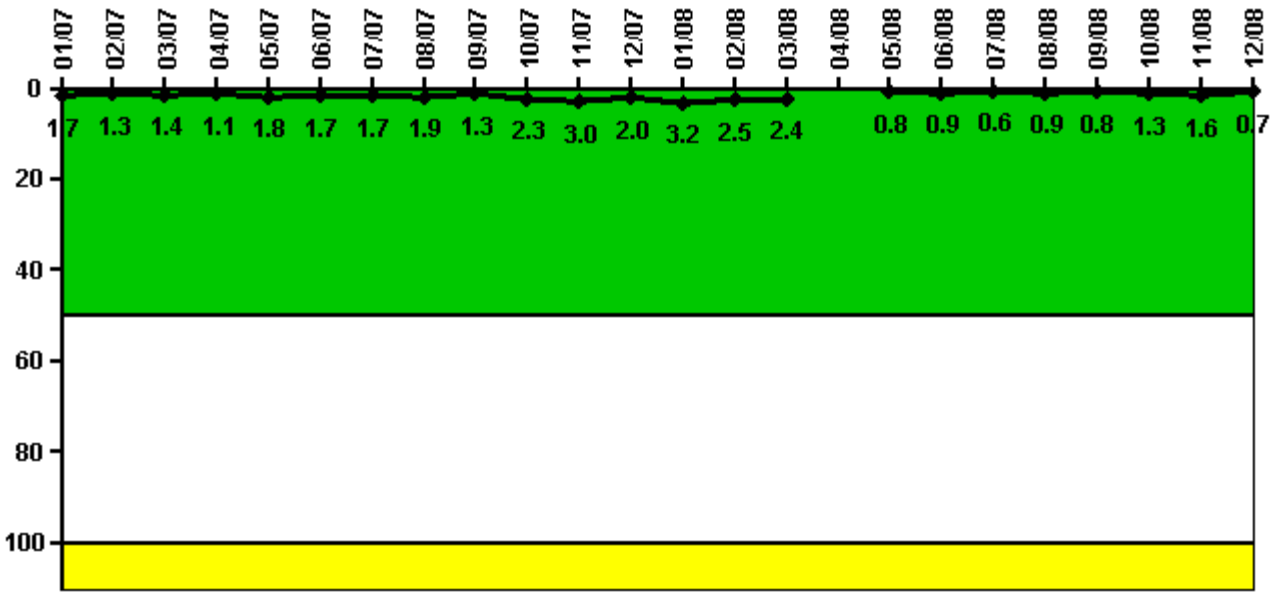
Notes

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	0.000078	0.000082	0.000085	0.000096	0.000094	0.000097	0.000098	0.000103	0.000107	0.000105	0.000111	0.000112
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	0	0	0	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	0.000114	0.000121	0.000122	N/A	0.000021	0.000093	0.000099	0.000115	0.000118	0.000123	0.000135	0.000132
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	0	0	N/A	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

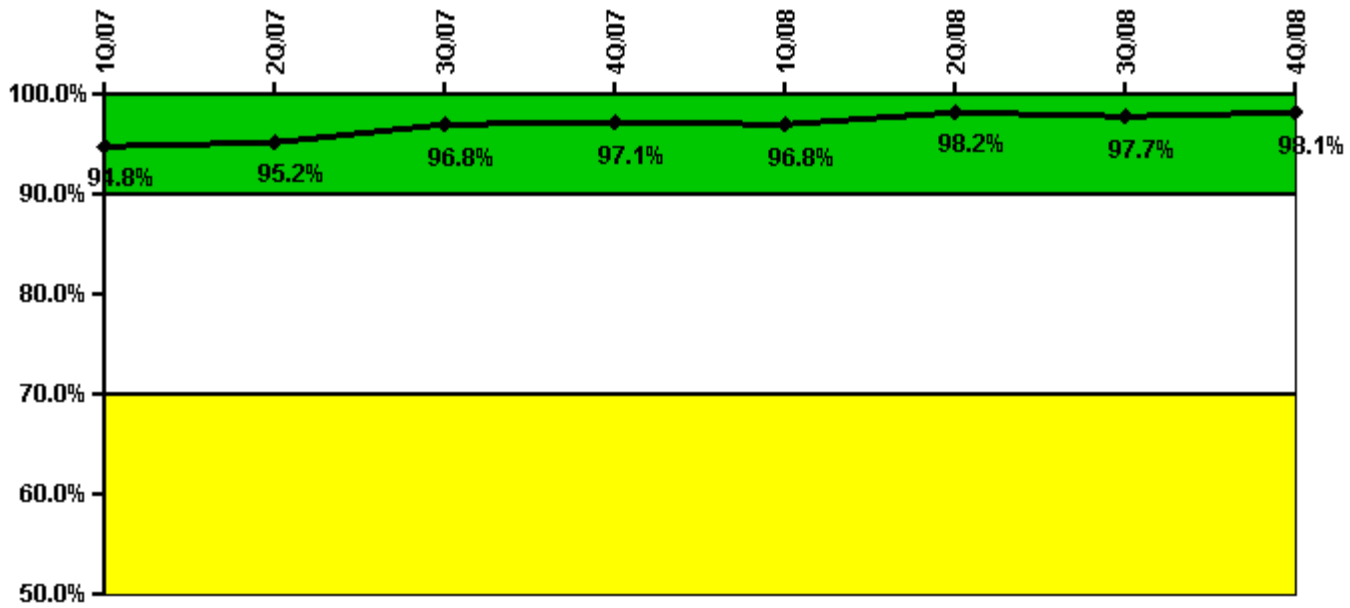
Notes

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	0.171	0.125	0.137	0.114	0.180	0.171	0.166	0.187	0.134	0.231	0.295	0.198
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	1.7	1.3	1.4	1.1	1.8	1.7	1.7	1.9	1.3	2.3	3.0	2.0
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	0.316	0.250	0.239	N/A	0.076	0.085	0.059	0.088	0.084	0.132	0.158	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	3.2	2.5	2.4	N/A	0.8	0.9	0.6	0.9	0.8	1.3	1.6	0.7

Licensee Comments:

9/08: August 2008 -- Value has been changed from .008 to .088. This changes does not affect the indicator. The indicator remains green and does not cross any threshold.

Drill/Exercise Performance



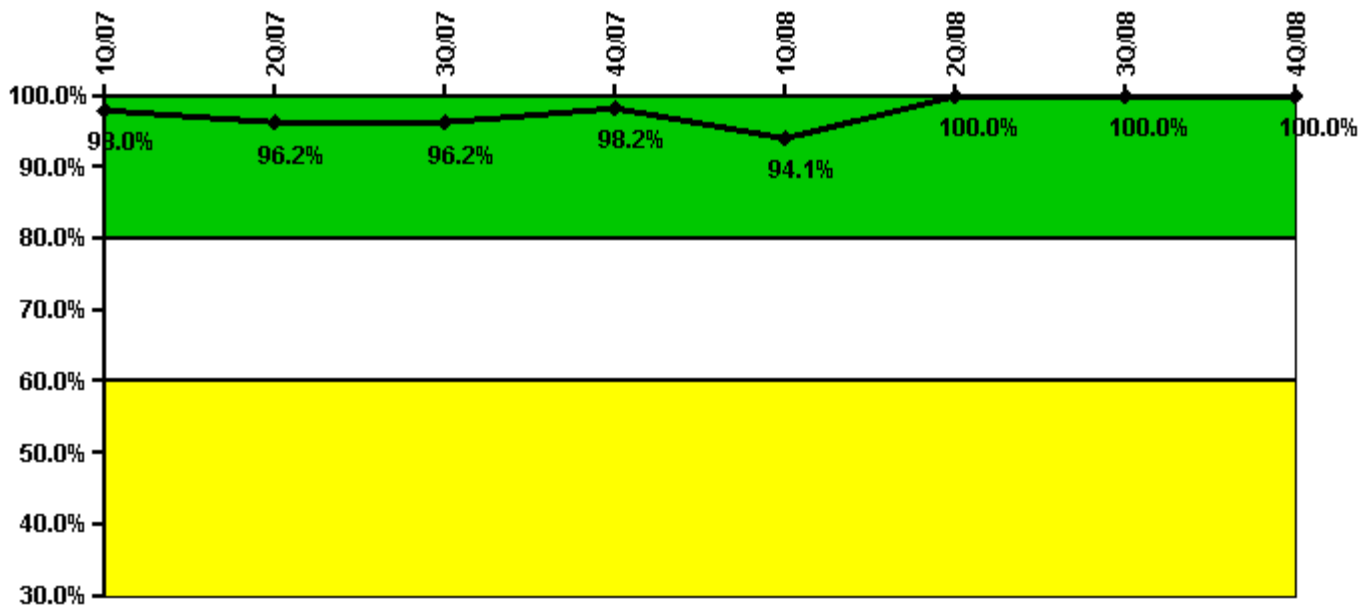
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	117.0	35.0	53.0	15.0	32.0	44.0	16.0	55.0
Total opportunities	118.0	36.0	54.0	16.0	33.0	44.0	18.0	55.0
Indicator value	94.8%	95.2%	96.8%	97.1%	96.8%	98.2%	97.7%	98.1%

Licensee Comments: none

ERO Drill Participation



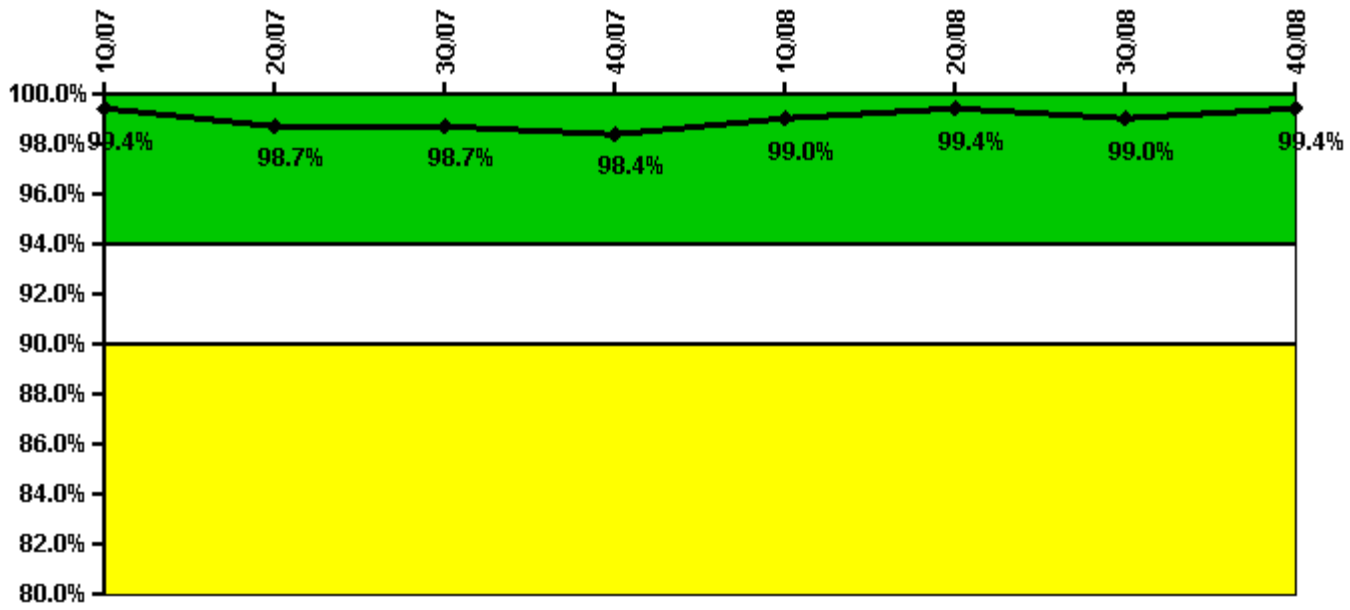
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	50.0	50.0	51.0	54.0	48.0	52.0	52.0	57.0
Total Key personnel	51.0	52.0	53.0	55.0	51.0	52.0	52.0	57.0
Indicator value	98.0%	96.2%	96.2%	98.2%	94.1%	100.0%	100.0%	100.0%

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	76	76	78	77	78	77	77	78
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	99.4%	98.7%	98.7%	98.4%	99.0%	99.4%	99.0%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



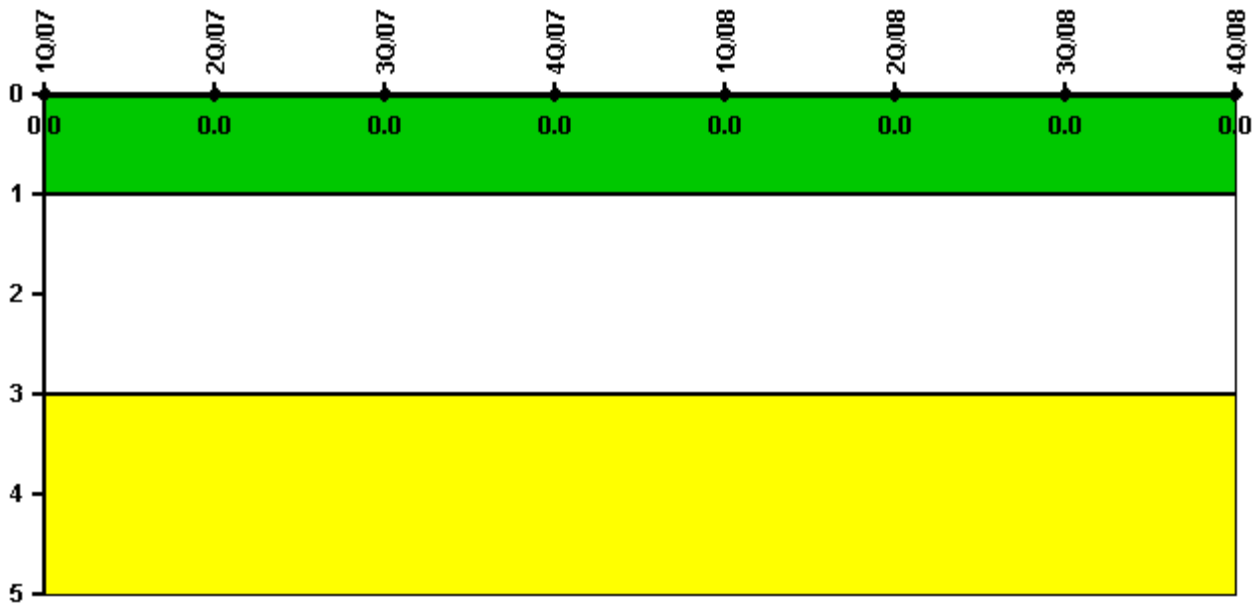
Thresholds: White > 2.0 Yellow > 5.0

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.