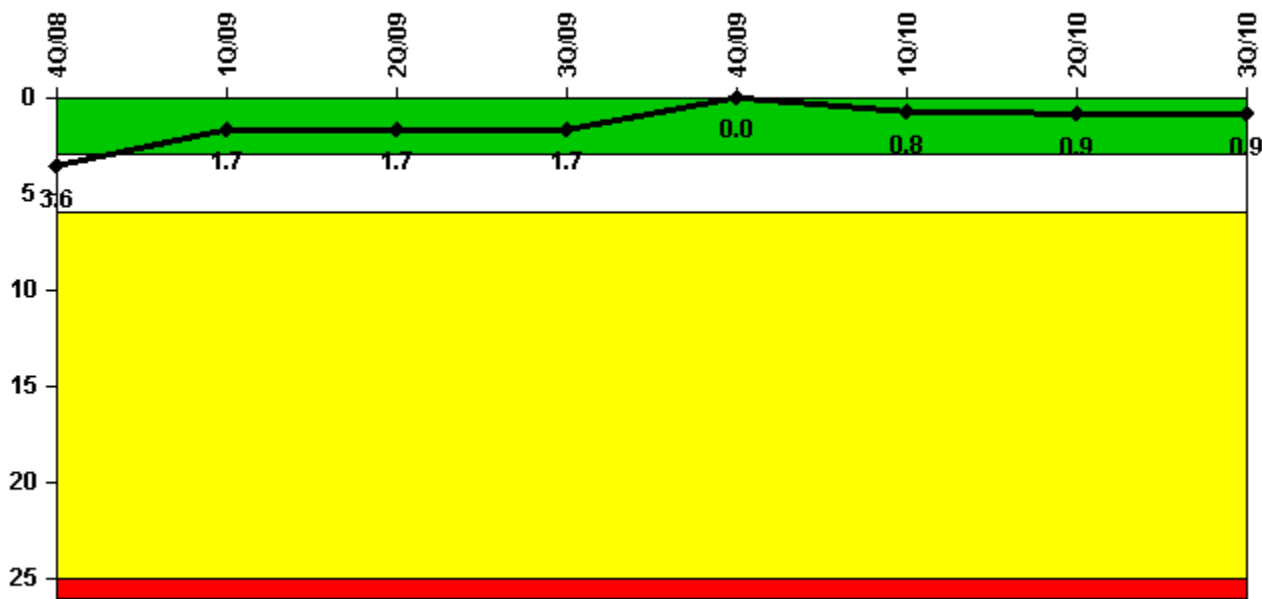


Grand Gulf 1

3Q/2010 Performance Indicators

Licensee's General Comments: EP02 (ERO Drill Participation) - One additional ERO member was assigned in June 2010 and was not included in the 2nd Quarter 2010 PI submittal. The participation result is revised from 64 to 65. The Performance Indicator color (green) is unaffected. PP01 (PA Equipment Performance) - 1st and 2nd Quarter 2006 IDS normalization factors (unit pedigree date) were corrected. In 2006, 7 new zones were added in a security upgrade project - three in February 2006 and four in April 2006. However, the IDS normalization factor (1.6) was not changed in February to account for the 3 new zones. The correction results in a new IDS normalization factor of 1.70 effective 02/2006, and 1.90 effective 04/2006. The Performance Indicator color (green) is unaffected.

Unplanned Scrams per 7000 Critical Hrs



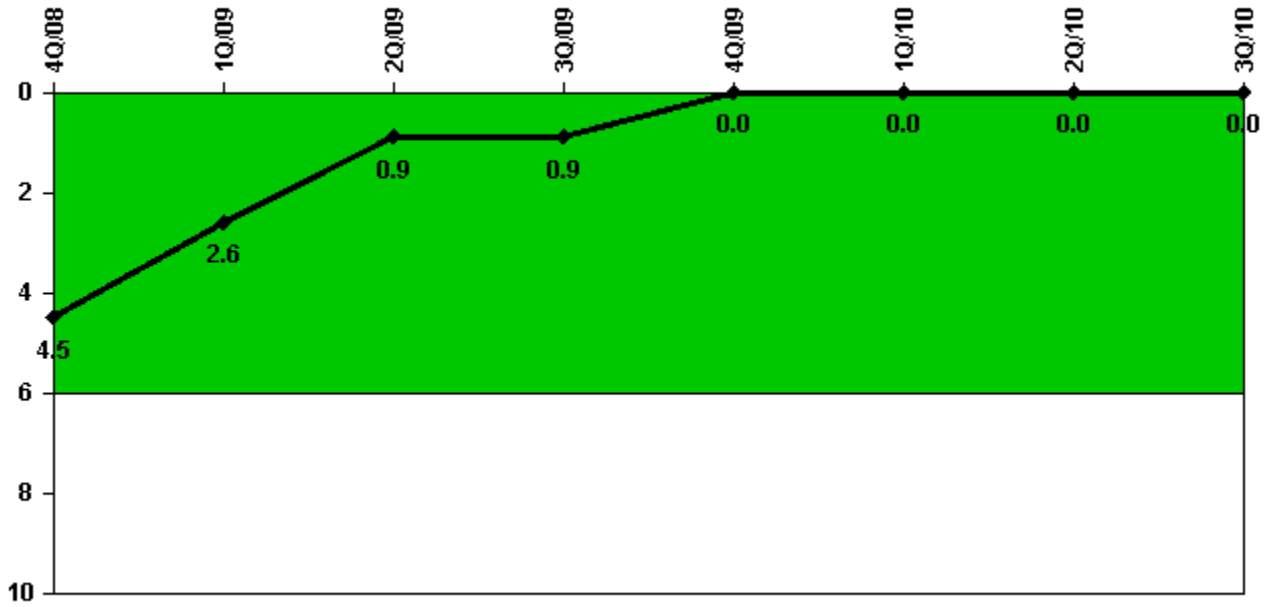
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	2.0	0	0	0	0	1.0	0	0
Critical hours	1671.7	2159.0	2184.0	2208.0	2209.0	2094.0	1506.9	2208.0
Indicator value	3.6	1.7	1.7	1.7	0	0.8	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



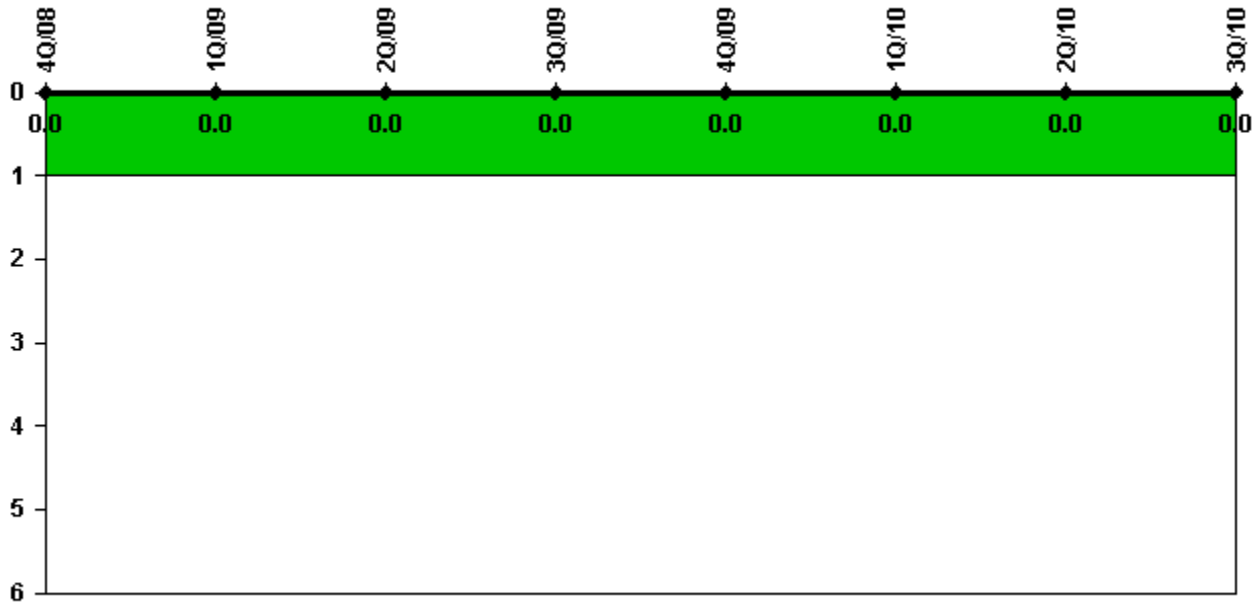
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1671.7	2159.0	2184.0	2208.0	2209.0	2094.0	1506.9	2208.0
Indicator value	4.5	2.6	0.9	0.9	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



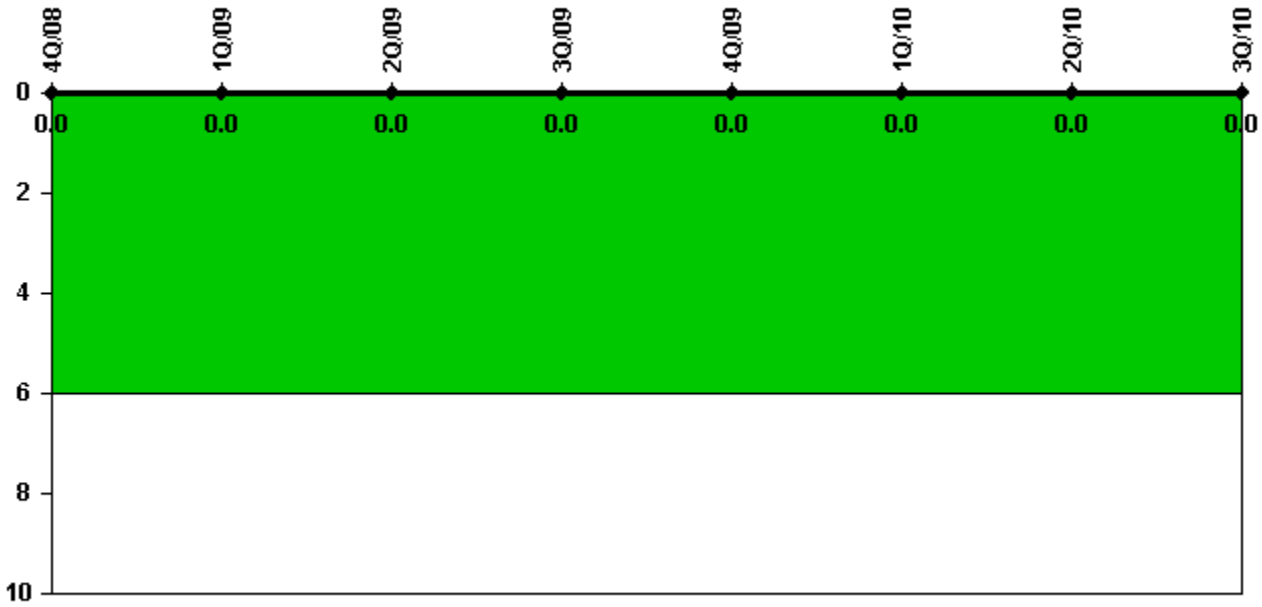
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
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	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



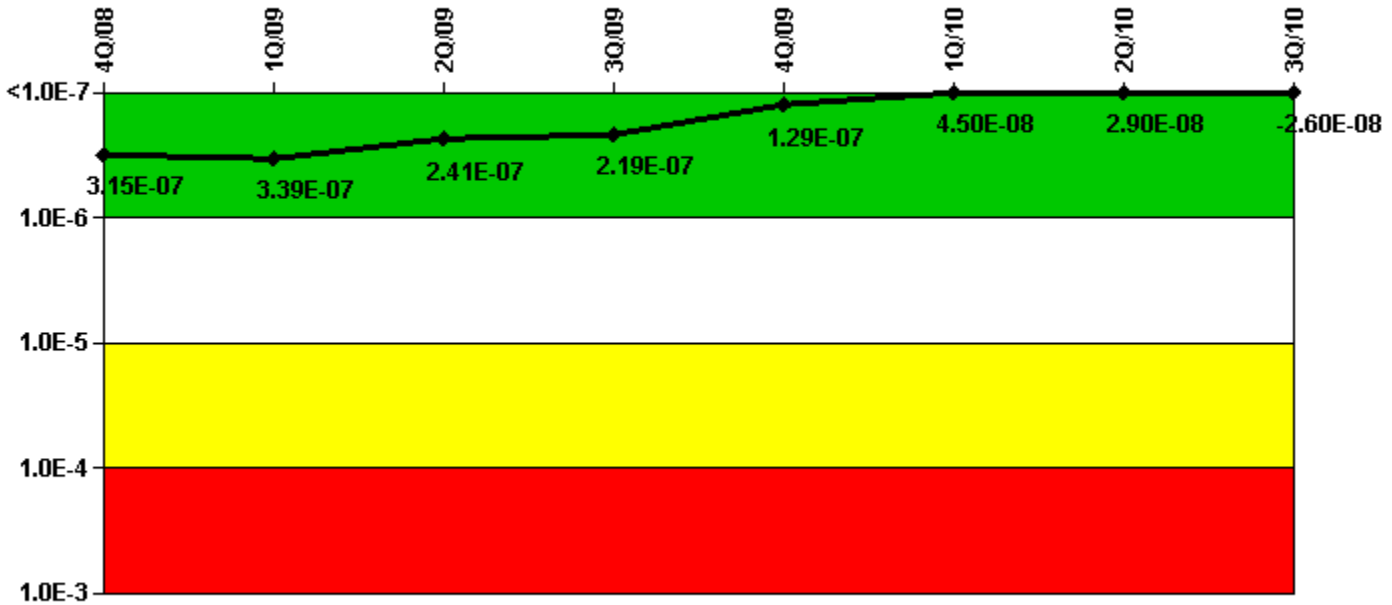
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	2.50E-08	3.90E-08	2.10E-08	1.90E-08	1.90E-08	1.36E-08	5.46E-10	-4.41E-09
URI (Δ CDF)	2.90E-07	3.00E-07	2.20E-07	2.00E-07	1.10E-07	3.13E-08	2.85E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.15E-07	3.39E-07	2.41E-07	2.19E-07	1.29E-07	4.50E-08	2.90E-08	-2.60E-08

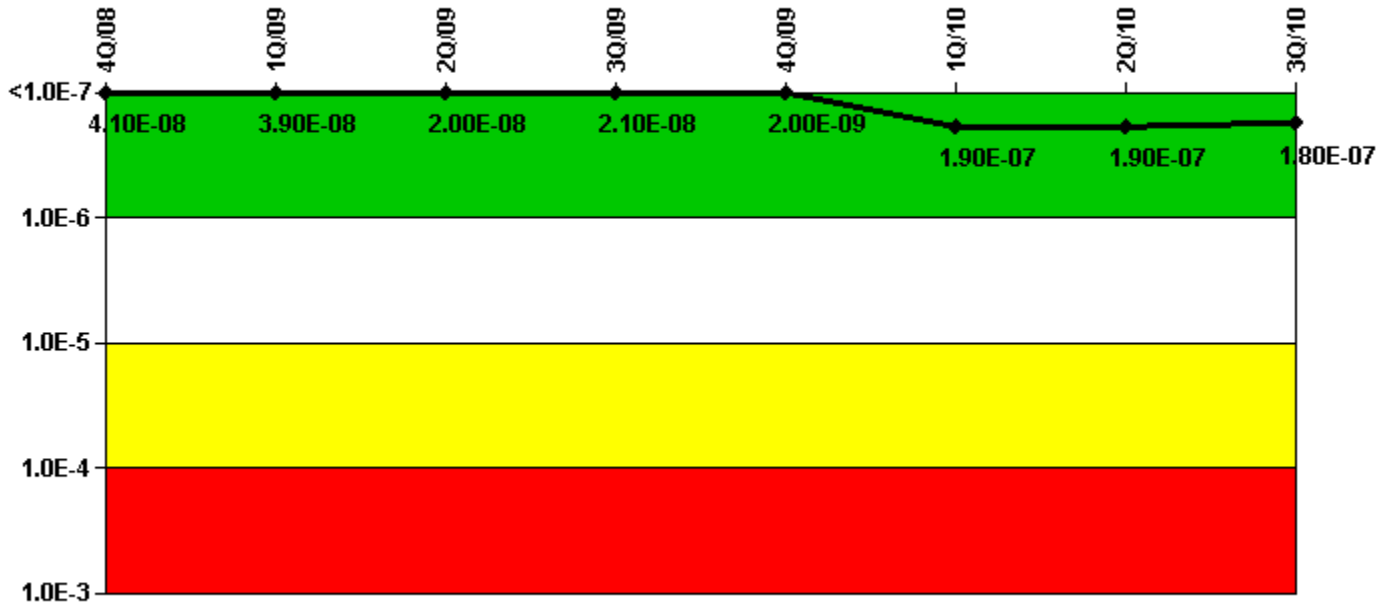
Licensee Comments:

3Q/08: Revision 3 of the GGNS PRA was issued on June 30, 2008. Revision 3 was a major update that included the update of plant specific data, initiator frequencies (both plant specific and generic), common cause analyses, human reliability analyses; the addition of several new initiators; and changes to the modeling of offsite power. The revision has resulted in a new overall core damage frequency, changes to the Fussell-Vesely importance of all of the MSPI related basic events and changes to the probability of many of the MSPI related basic events.

3Q/06: Risk Cap Invoked.

2Q/06: Risk Cap Invoked. An additional review of the failure description category for a June, 2004 EDG station failure occurrence resulted in a determination that the failure was improperly characterized. The initial failure description was a start failure while it should have been characterized as a failure of the ability to meet mission time.

Mitigating Systems Performance Index, High Pressure Injection System



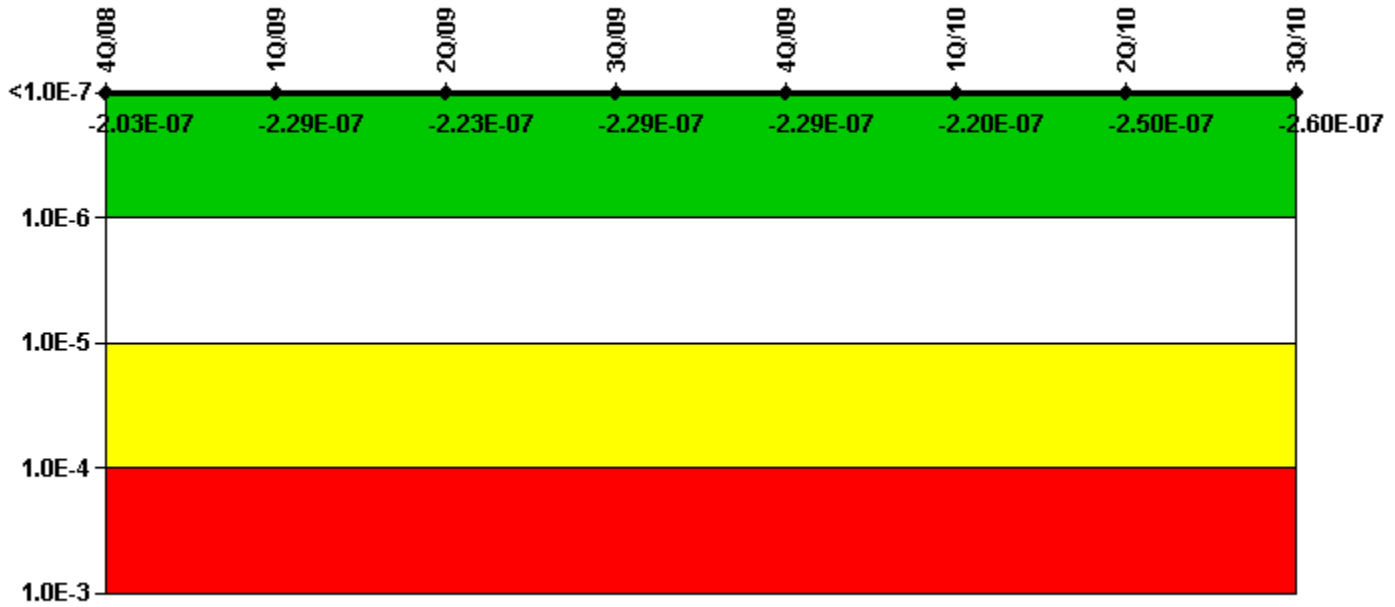
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	9.30E-08	9.10E-08	6.90E-08	6.70E-08	5.20E-08	2.47E-07	2.40E-07	2.30E-07
URI (Δ CDF)	-5.20E-08	-5.20E-08	-4.90E-08	-4.60E-08	-5.00E-08	-5.67E-08	-5.33E-08	-5.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.10E-08	3.90E-08	2.00E-08	2.10E-08	2.00E-09	1.90E-07	1.90E-07	1.80E-07

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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-2.90E-09	-1.90E-08	-1.30E-08	-1.90E-08	-1.90E-08	-1.99E-08	-5.30E-08	-5.31E-08
URI (Δ CDF)	-2.00E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.00E-07	-2.01E-07	-2.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.03E-07	-2.29E-07	-2.23E-07	-2.29E-07	-2.29E-07	-2.20E-07	-2.50E-07	-2.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



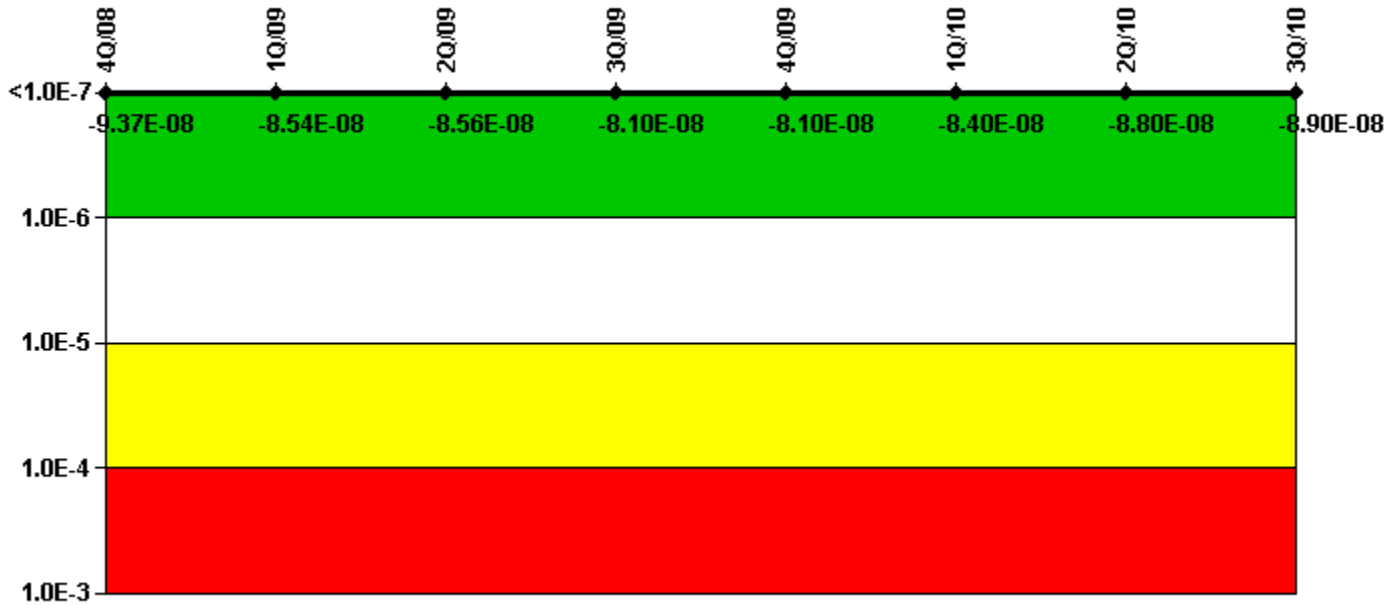
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-4.40E-10	-5.30E-09	-5.40E-09	-1.60E-09	-1.60E-09	4.20E-09	4.99E-09	4.54E-09
URI (Δ CDF)	-2.40E-08	-2.40E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.14E-08	-2.21E-08	-2.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.44E-08	-2.93E-08	-2.84E-08	-2.46E-08	-2.46E-08	-1.70E-08	-1.70E-08	-1.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



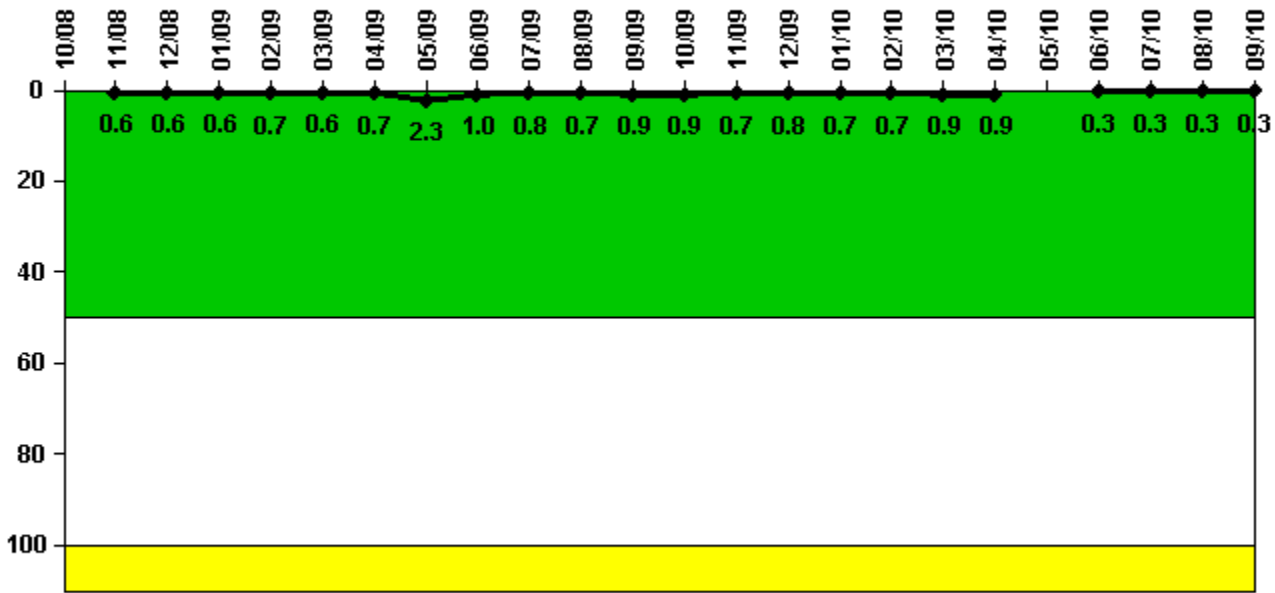
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-1.70E-09	6.60E-09	6.40E-09	1.00E-08	1.00E-08	5.65E-09	2.33E-09	1.93E-09
URI (Δ CDF)	-9.20E-08	-9.20E-08	-9.20E-08	-9.10E-08	-9.10E-08	-8.99E-08	-9.06E-08	-9.05E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.37E-08	-8.54E-08	-8.56E-08	-8.10E-08	-8.10E-08	-8.40E-08	-8.80E-08	-8.90E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

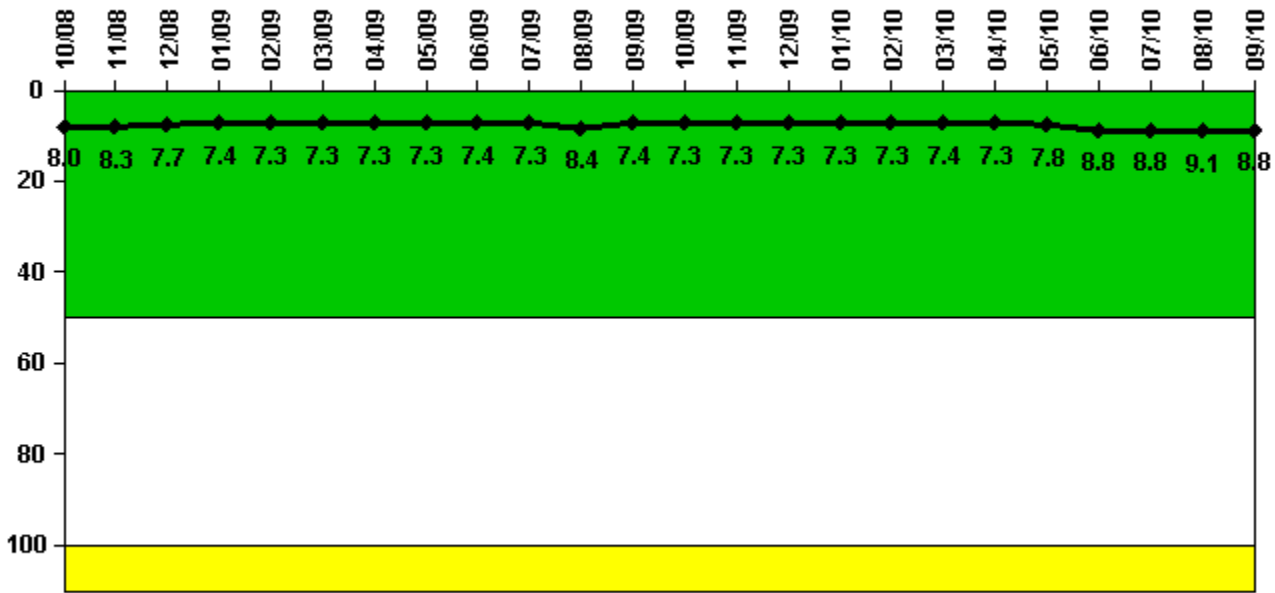
Notes

Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	N/A	0.001140	0.001250	0.001130	0.001420	0.001160	0.001480	0.004630	0.001950	0.001580	0.001400	0.001700
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0.6	0.6	0.6	0.7	0.6	0.7	2.3	1.0	0.8	0.7	0.9

Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.001740	0.001450	0.001600	0.001440	0.001440	0.001710	0.001850	N/A	0.000524	0.000565	0.000572	0.000555
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.9	0.7	0.8	0.7	0.7	0.9	0.9	N/A	0.3	0.3	0.3	0.3

Licensee Comments: none

Reactor Coolant System Leakage



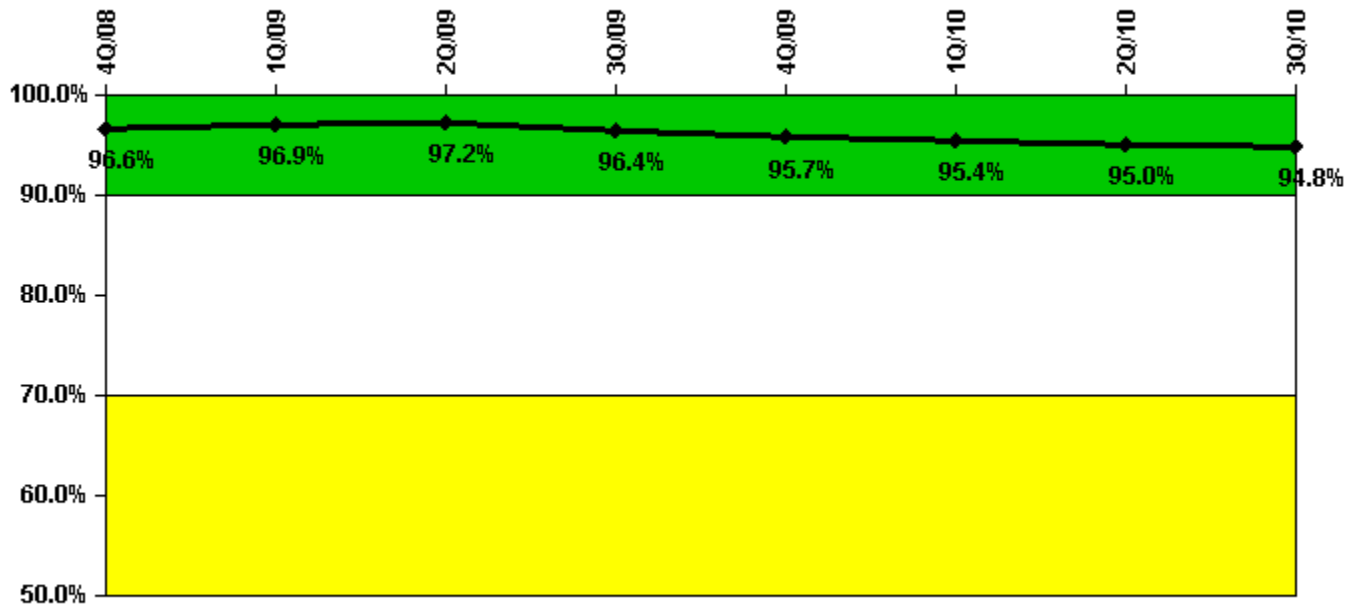
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	2.400	2.480	2.320	2.220	2.180	2.190	2.190	2.190	2.220	2.200	2.520	2.210
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.0	8.3	7.7	7.4	7.3	7.3	7.3	7.3	7.4	7.3	8.4	7.4
Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	2.180	2.190	2.200	2.190	2.180	2.210	2.190	2.340	2.650	2.650	2.720	2.640
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.8	8.8	8.8	9.1	8.8

Licensee Comments: none

Drill/Exercise Performance



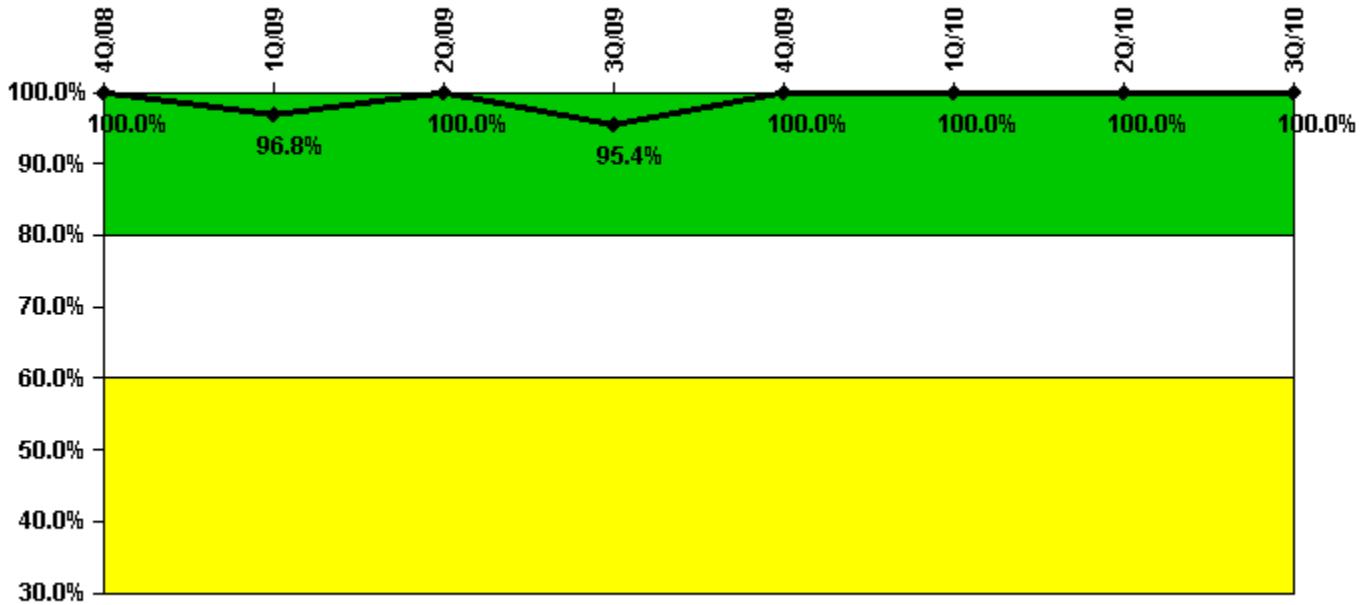
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	1.0	2.0	18.0	32.0	18.0	10.0	24.0	41.0
Total opportunities	2.0	2.0	18.0	34.0	18.0	12.0	25.0	43.0
Indicator value	96.6%	96.9%	97.2%	96.4%	95.7%	95.4%	95.0%	94.8%

Licensee Comments: none

ERO Drill Participation



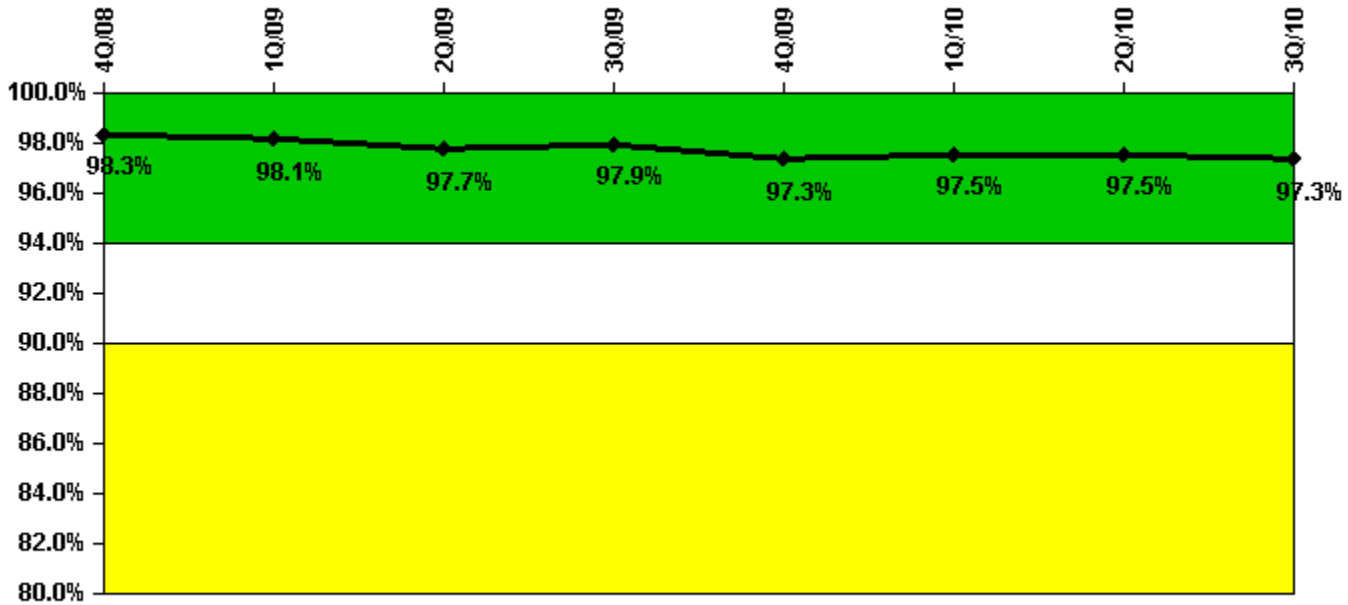
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	81.0	61.0	61.0	62.0	64.0	64.0	65.0	64.0
Total Key personnel	81.0	63.0	61.0	65.0	64.0	64.0	65.0	64.0
Indicator value	100.0%	96.8%	100.0%	95.4%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



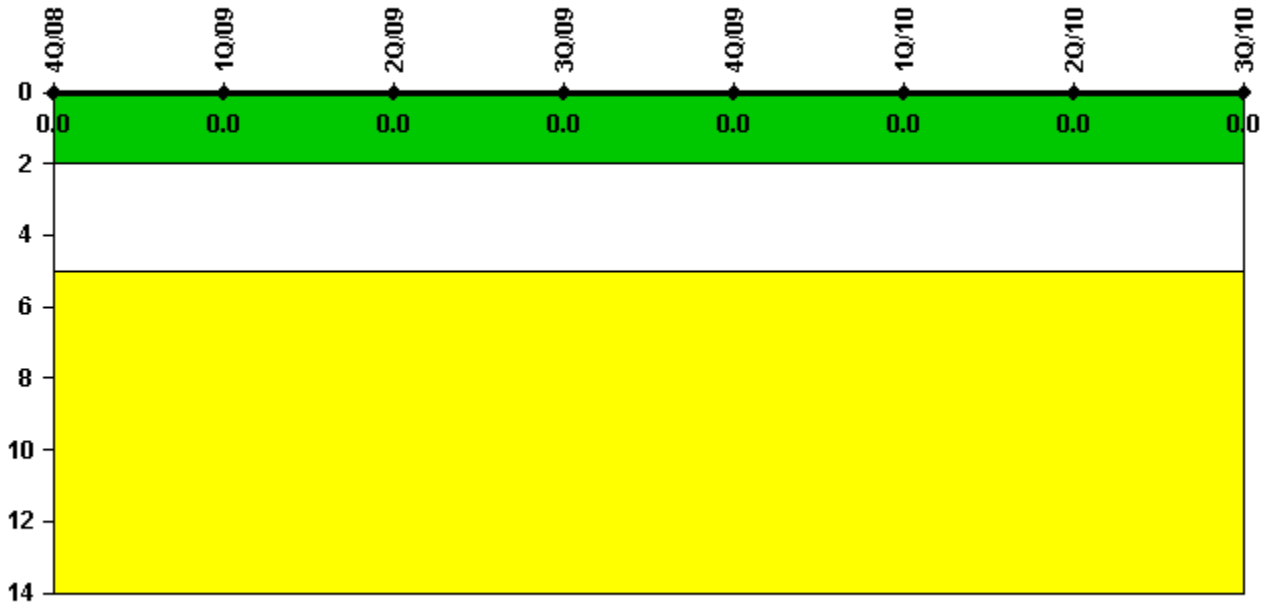
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	125	126	127	127	122	127	126	126
Total sirens-tests	129	129	129	129	129	129	128	129
Indicator value	98.3%	98.1%	97.7%	97.9%	97.3%	97.5%	97.5%	97.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



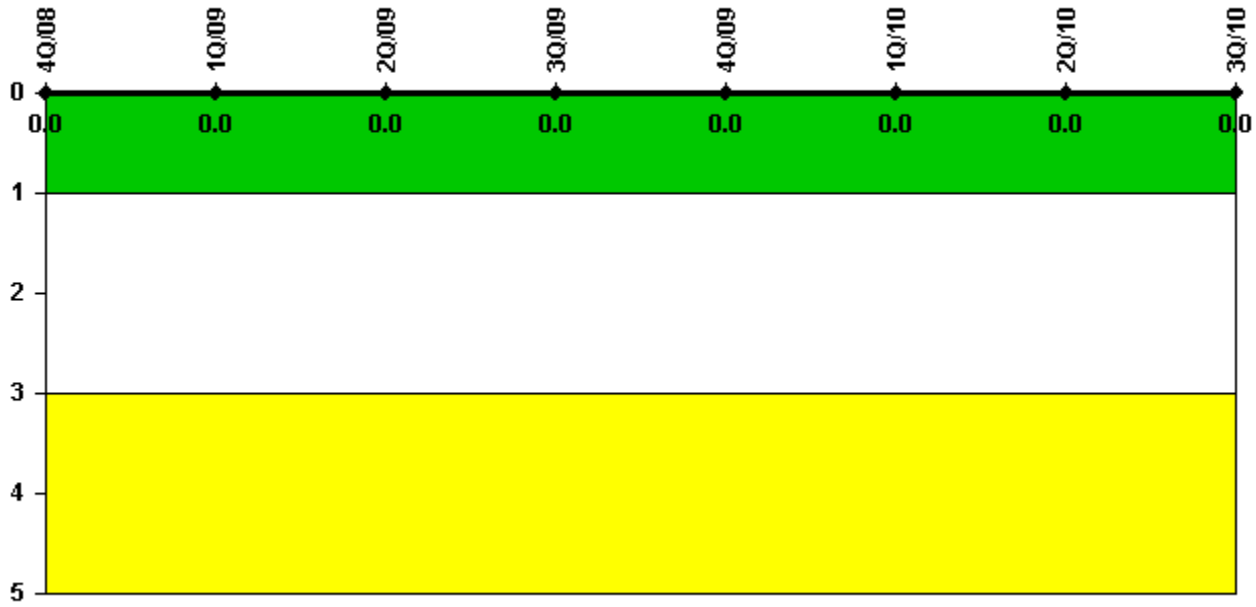
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
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.