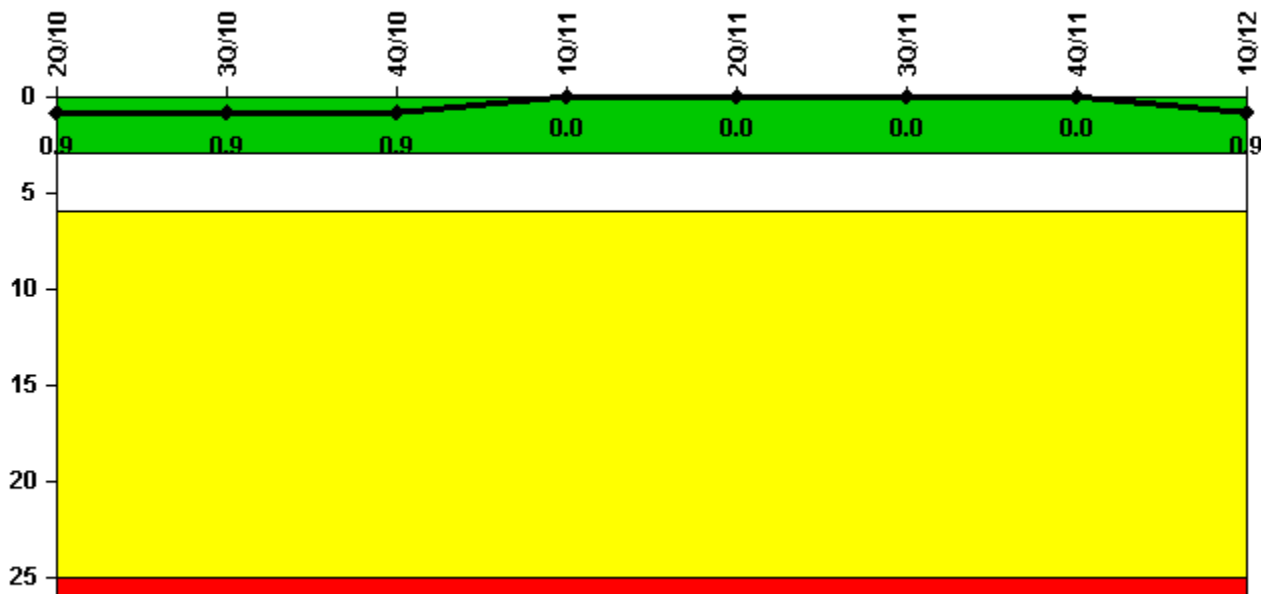


Grand Gulf 1

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

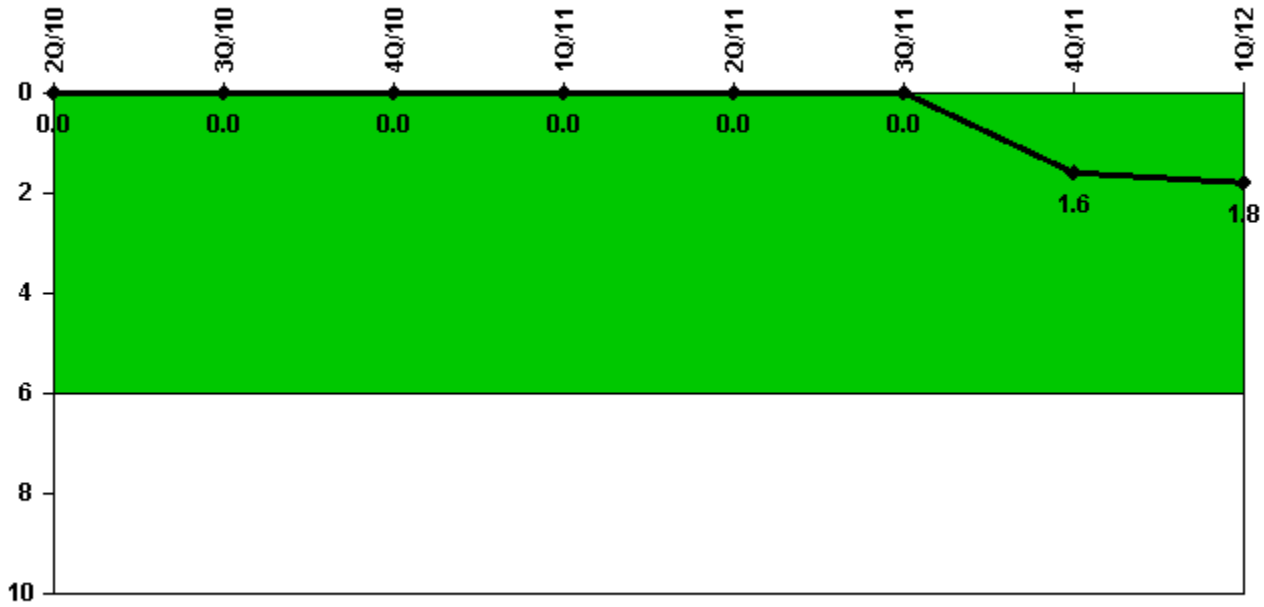
Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	1506.9	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1195.1
Indicator value	0.9	0.9	0.9	0	0	0	0	0.9

Licensee Comments:

1Q/12: Unplanned manual scram from ~25% power as a result of partial closure of the N11F014B RFPT B HP Steam Admission Valve. This resulted in starting RF-18 ~1 hour early (2/19/2012 at 1904 versus 2/19/2012 at 2000)

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	0	0	2.0	0
Critical hours	1506.9	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1195.1
Indicator value	0	0	0	0	0	0	1.6	1.8

Licensee Comments:

4Q/11: Two unplanned Downpowers >20% in November: Feed pump trip and Partial PSW Loss.

Unplanned Scrams with Complications



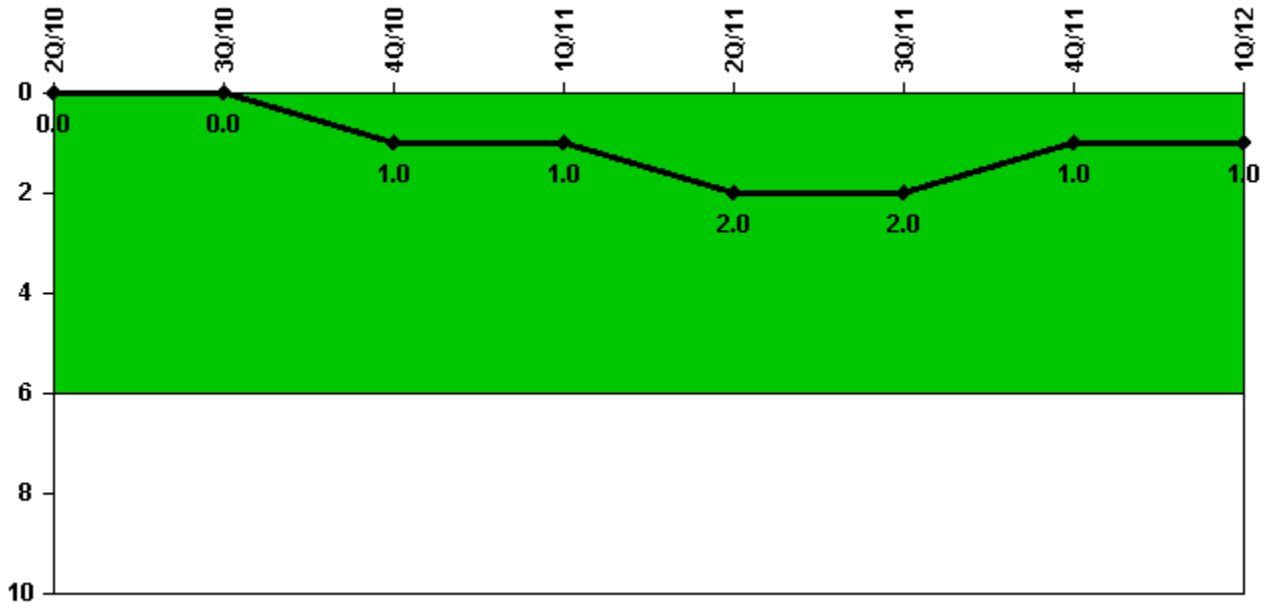
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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

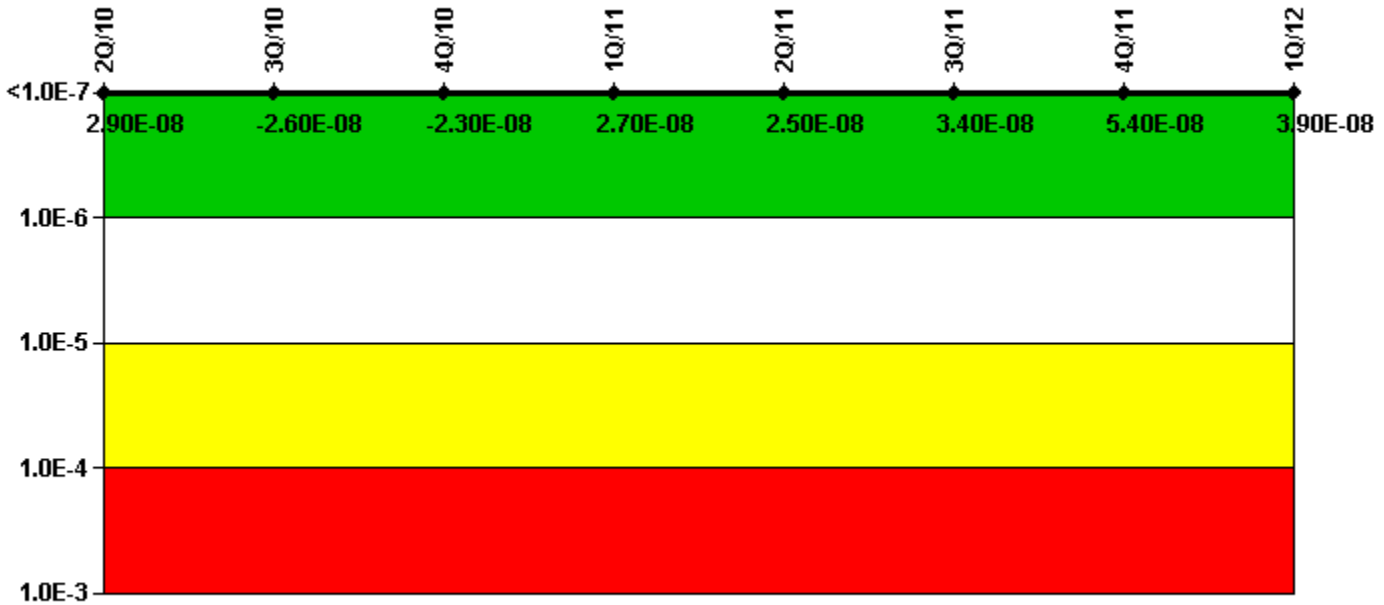
Safety System Functional Failures (BWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	1	0	1	0	0	0
Indicator value	0	0	1	1	2	2	1	1

Licensee Comments:

2Q/11: Reference: GGNS LER 2011-001

4Q/10: Reference GGNS LER 2010-002

Mitigating Systems Performance Index, Emergency AC Power System



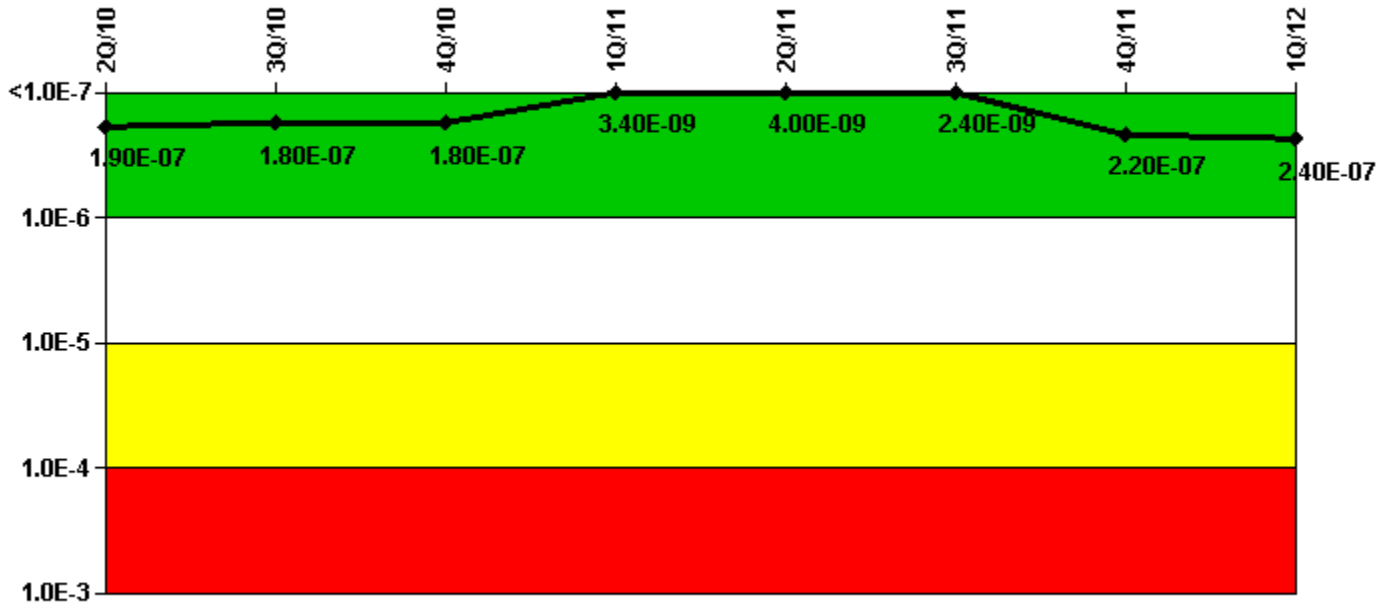
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	5.46E-10	-4.41E-09	-4.44E-09	5.68E-09	5.64E-09	4.70E-09	6.70E-09	-7.61E-09
URI (Δ CDF)	2.85E-08	-2.20E-08	-1.87E-08	2.17E-08	1.97E-08	2.91E-08	4.76E-08	4.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.90E-08	-2.60E-08	-2.30E-08	2.70E-08	2.50E-08	3.40E-08	5.40E-08	3.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



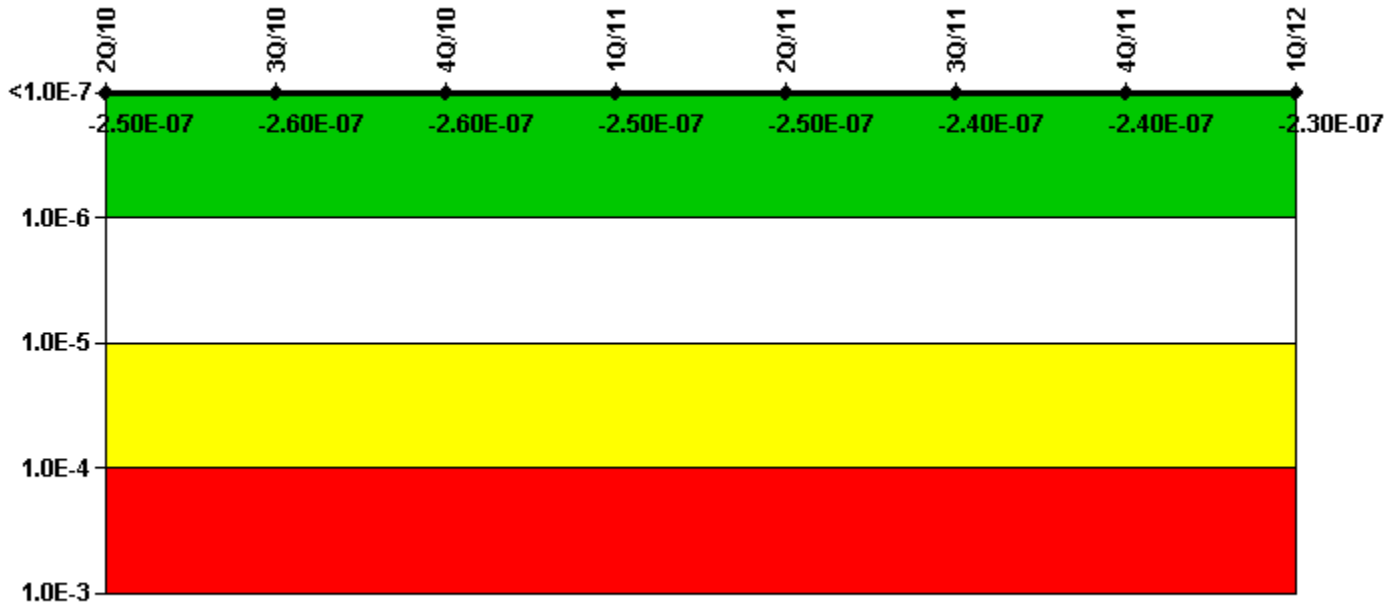
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	2.40E-07	2.30E-07	2.30E-07	1.89E-08	1.46E-08	1.36E-08	2.39E-07	2.60E-07
URI (Δ CDF)	-5.33E-08	-5.34E-08	-5.36E-08	-1.55E-08	-1.06E-08	-1.12E-08	-1.73E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.90E-07	1.80E-07	1.80E-07	3.40E-09	4.00E-09	2.40E-09	2.20E-07	2.40E-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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-5.30E-08	-5.31E-08	-5.31E-08	-5.32E-08	-5.32E-08	-5.33E-08	-6.20E-08	-6.20E-08
URI (Δ CDF)	-2.01E-07	-2.07E-07	-2.03E-07	-2.01E-07	-1.93E-07	-1.87E-07	-1.78E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-07	-2.60E-07	-2.60E-07	-2.50E-07	-2.50E-07	-2.40E-07	-2.40E-07	-2.30E-07

Licensee Comments:

4Q/11: No Changes Made to this indicator in the 1Q12 update, relocked data only.

3Q/11: September Valve Demand Numbers revised and no change to indicator color (green).

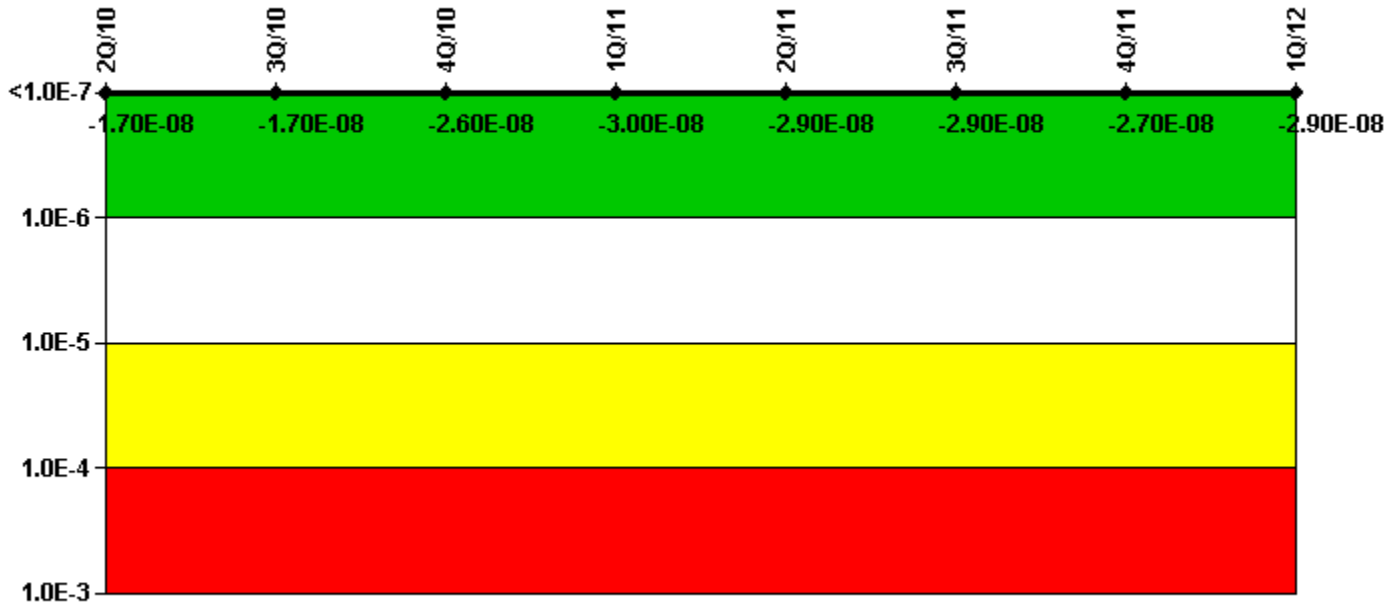
2Q/11: June Valve Demand Numbers revised and no change to indicator color (green).

1Q/11: March Valve Demand Numbers revised and no change to indicator color (green).

4Q/10: December Valve Demand Numbers revised and no change to indicator color (green).

3Q/10: July and September Valve Demand Numbers revised and no change to indicator color (green).

Mitigating Systems Performance Index, Residual Heat Removal System



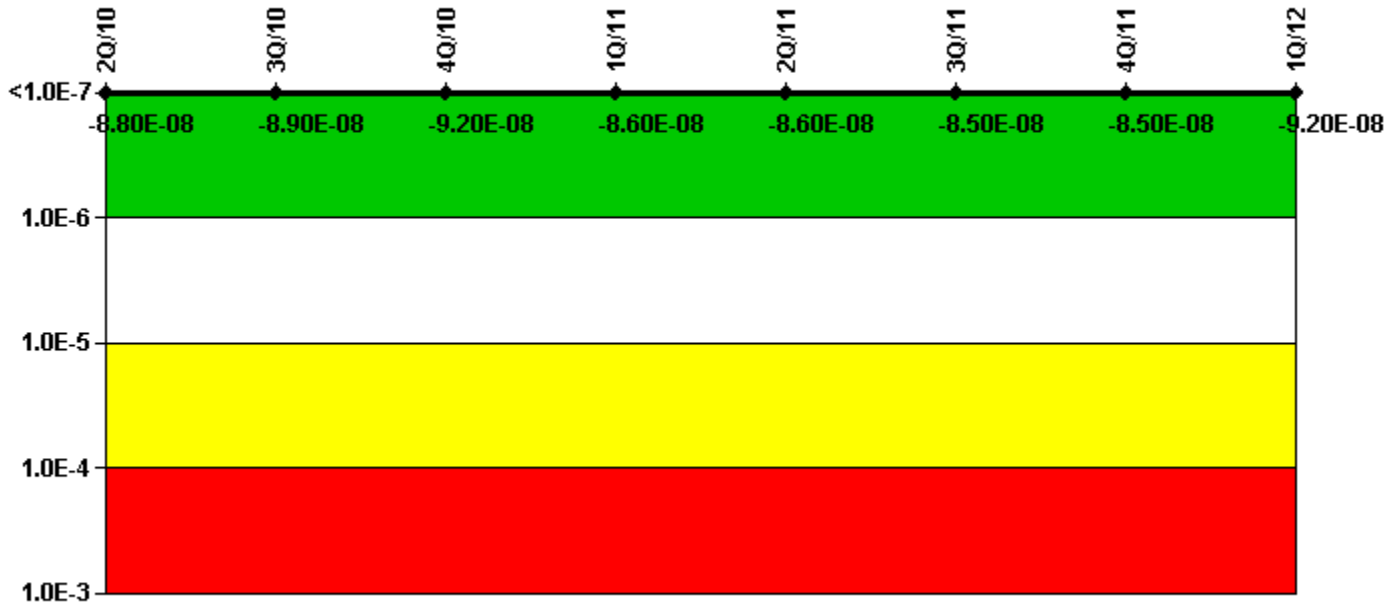
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	4.99E-09	4.54E-09	-4.65E-09	-8.56E-09	-8.56E-09	-8.56E-09	-8.56E-09	-8.56E-09
URI (Δ CDF)	-2.21E-08	-2.17E-08	-2.12E-08	-2.11E-08	-2.08E-08	-1.99E-08	-1.83E-08	-2.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-08	-1.70E-08	-2.60E-08	-3.00E-08	-2.90E-08	-2.90E-08	-2.70E-08	-2.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

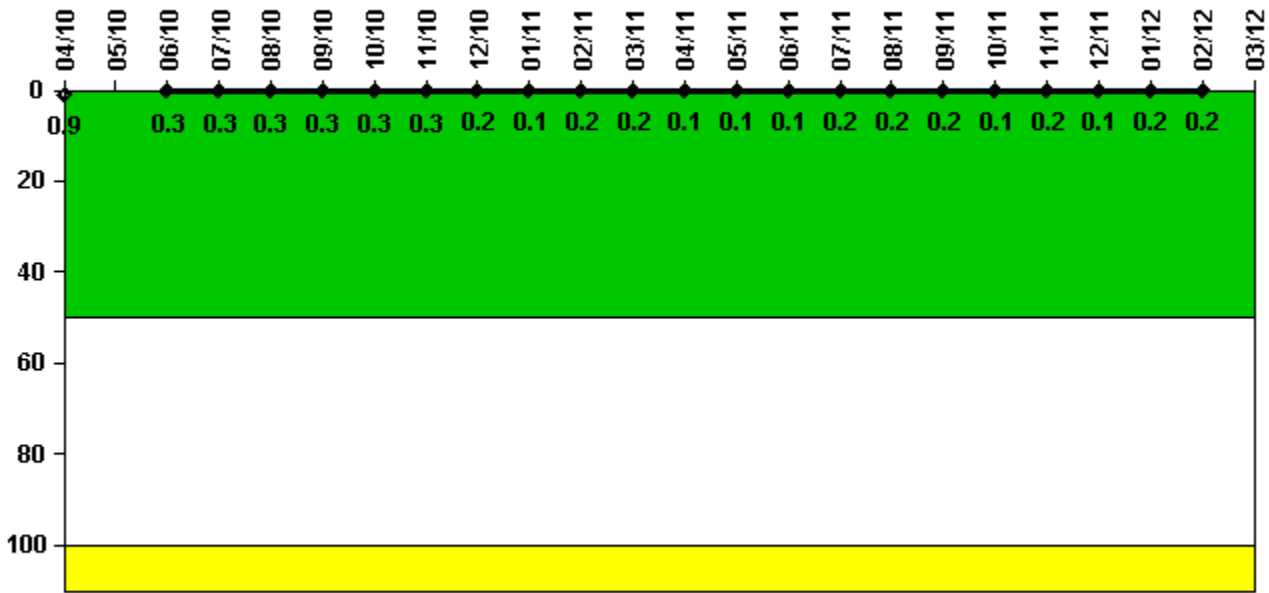
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	2.33E-09	1.93E-09	-1.71E-09	5.19E-09	5.19E-09	4.92E-09	4.27E-09	-1.71E-09
URI (Δ CDF)	-9.06E-08	-9.05E-08	-9.05E-08	-9.12E-08	-9.10E-08	-9.01E-08	-8.92E-08	-9.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.80E-08	-8.90E-08	-9.20E-08	-8.60E-08	-8.60E-08	-8.50E-08	-8.50E-08	-9.20E-08

Licensee Comments:

2Q/11: April pump start and run times were revised and no change to indicator color (green).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

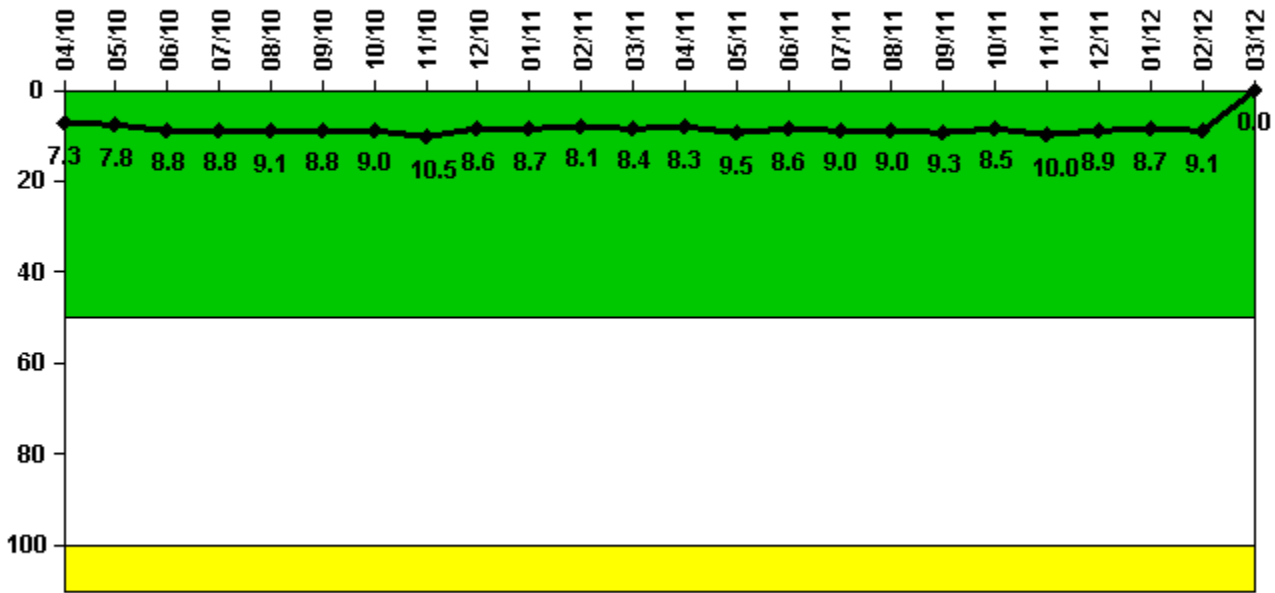
Notes

Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.001850	N/A	0.000524	0.000565	0.000572	0.000555	0.000548	0.000532	0.000336	0.000290	0.000330	0.000328
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	N/A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.2

Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000262	0.000247	0.000257	0.000465	0.000372	0.000326	0.000284	0.000327	0.000254	0.000347	0.000322	N/A
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	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	N/A

Licensee Comments: none

Reactor Coolant System Leakage



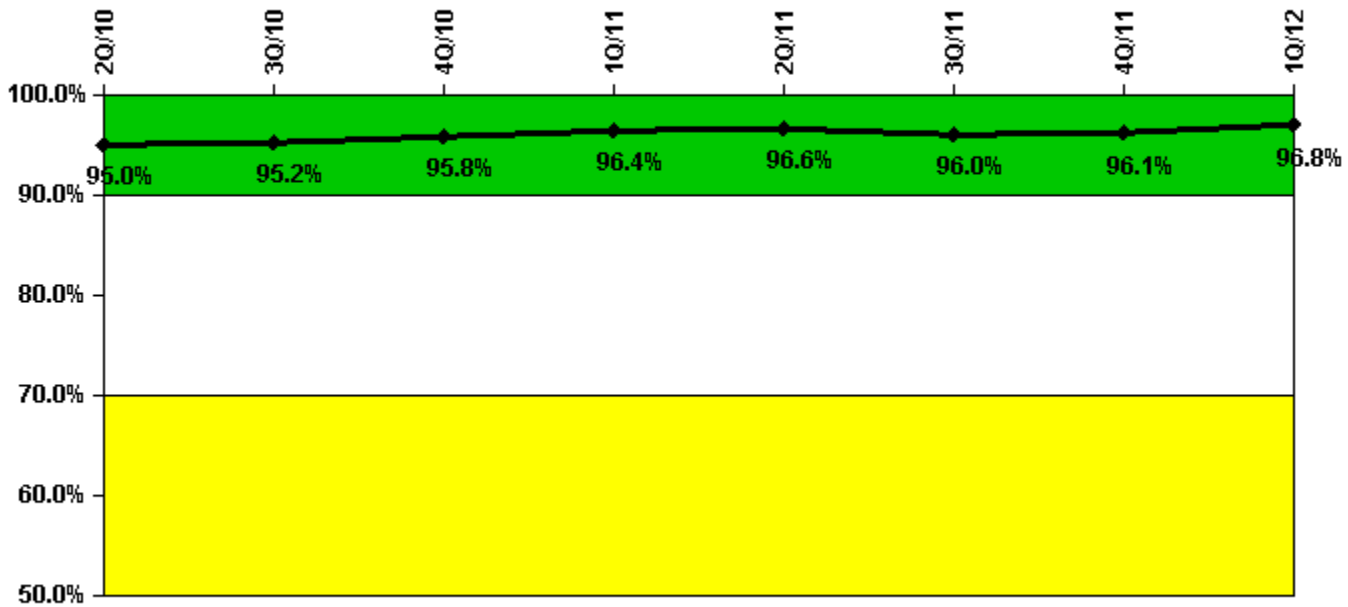
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	2.190	2.340	2.650	2.650	2.720	2.640	2.710	3.140	2.590	2.600	2.420	2.510
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	7.8	8.8	8.8	9.1	8.8	9.0	10.5	8.6	8.7	8.1	8.4
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	2.500	2.850	2.570	2.690	2.700	2.780	2.560	3.000	2.680	2.620	2.720	0
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	8.3	9.5	8.6	9.0	9.0	9.3	8.5	10.0	8.9	8.7	9.1	0

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

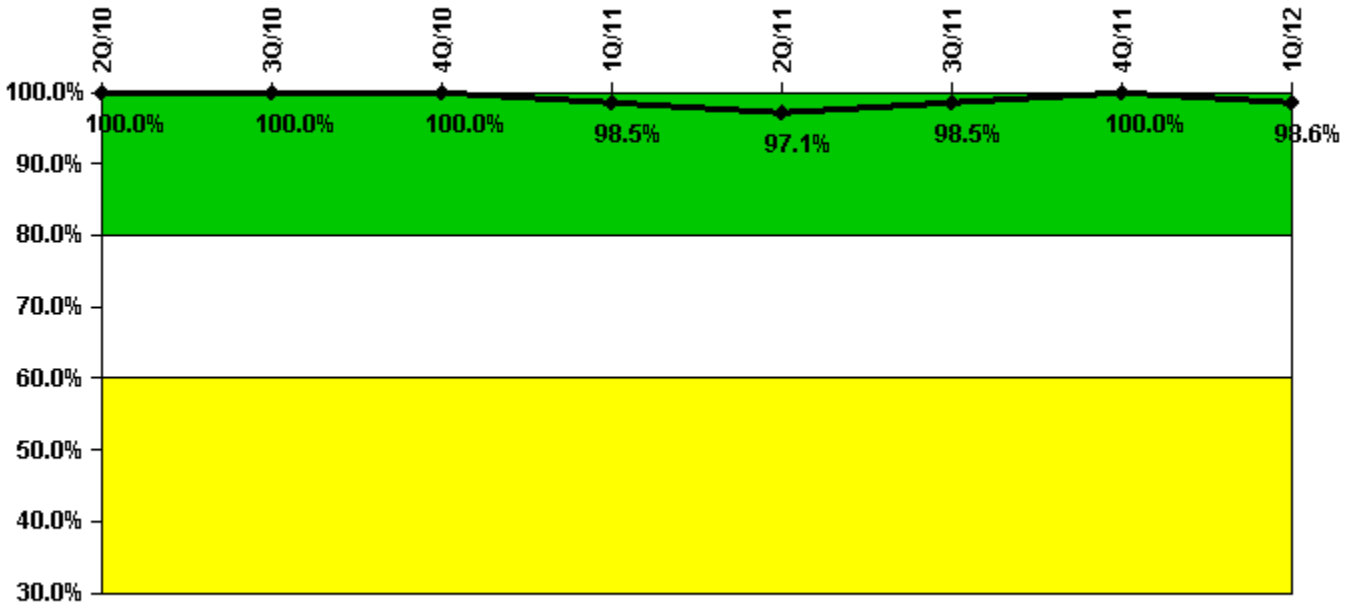
Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	24.0	34.0	22.0	28.0	29.0	28.0	47.0	0
Total opportunities	25.0	35.0	23.0	28.0	29.0	31.0	48.0	0
Indicator value	95.0%	95.2%	95.8%	96.4%	96.6%	96.0%	96.1%	96.8%

Licensee Comments:

4Q/10: December DEP changed from 5 of 5 to 4 of 4 - CR-GGN-2011-04751

3Q/10: August DEP changed from 16 of 17 to 9 of 9. - CR-GGN-2011-08346. Color of indicator not affected.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	65.0	65.0	64.0	67.0	68.0	67.0	70.0	70.0
Total Key personnel	65.0	65.0	64.0	68.0	70.0	68.0	70.0	71.0
Indicator value	100.0%	100.0%	100.0%	98.5%	97.1%	98.5%	100.0%	98.6%

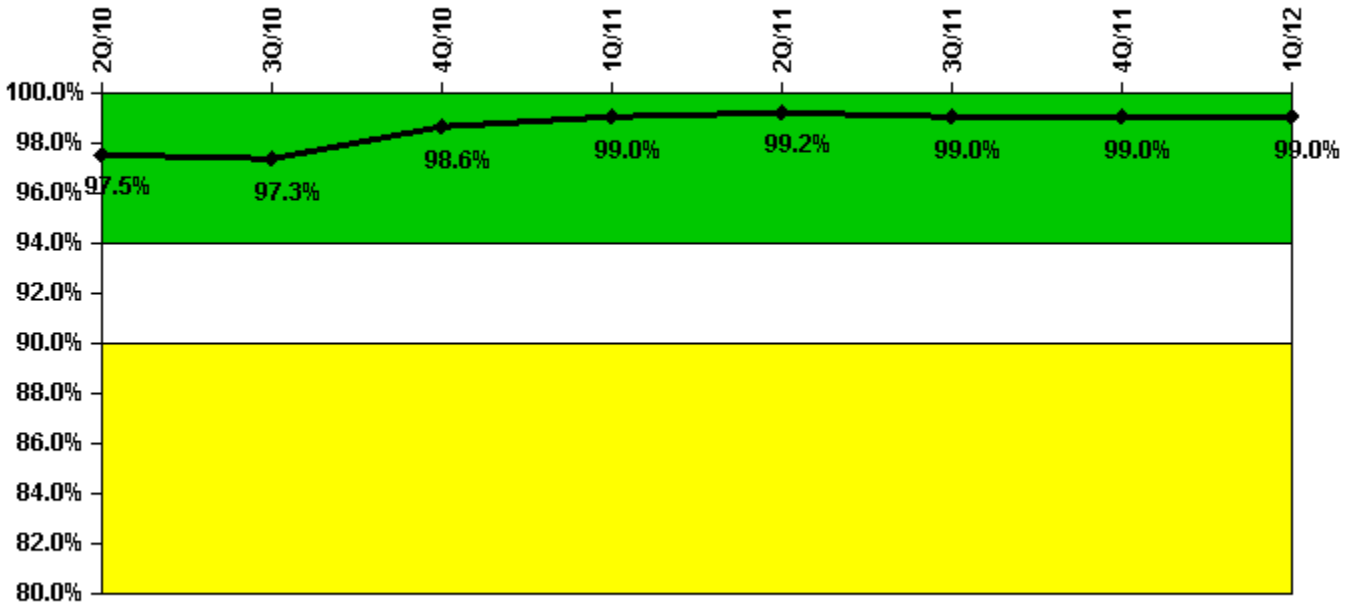
Licensee Comments:

3Q/11: Participating key personnel revised from 68 to 67 for this quarterly indicator. CR-GGN-2011-08346. No change in indicator color.

2Q/11: Participating key personnel revised from 70 to 68 for this quarterly indicator. CR-GGN-2011-08346. No change in indicator color.

1Q/11: Participating key personnel revised from 68 to 67 in March for this quarterly indicator - CR-GGN-2011-08346. No change in indicator color.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	126	126	129	129	121	122	129	129
Total sirens-tests	128	129	129	129	122	126	129	129
Indicator value	97.5%	97.3%	98.6%	99.0%	99.2%	99.0%	99.0%	99.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



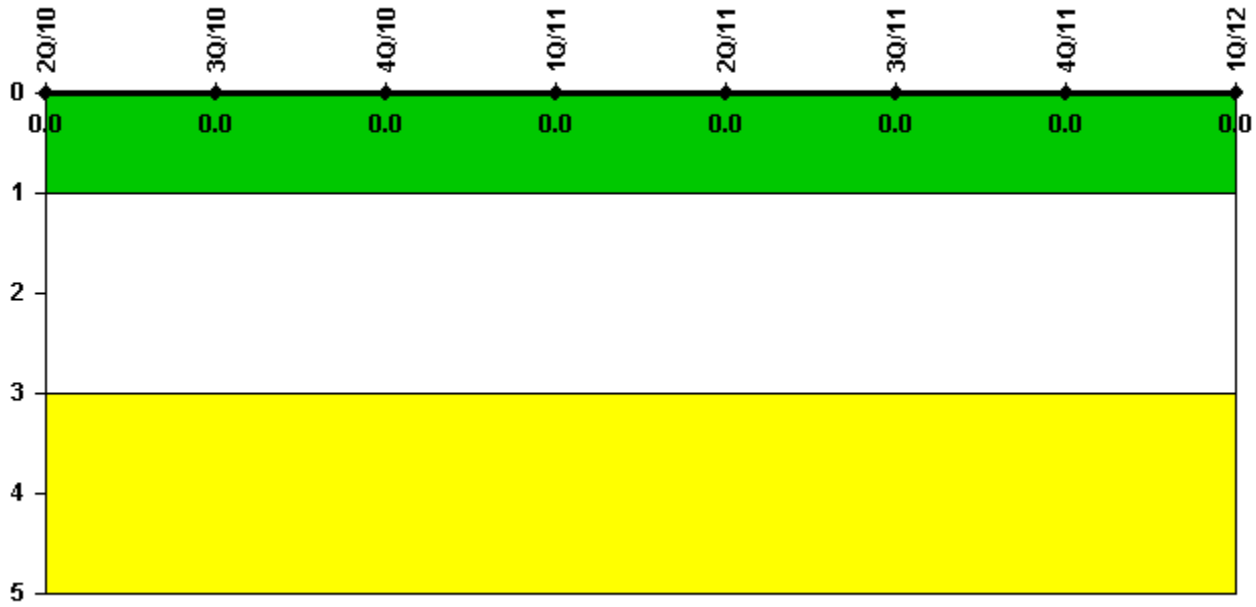
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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.