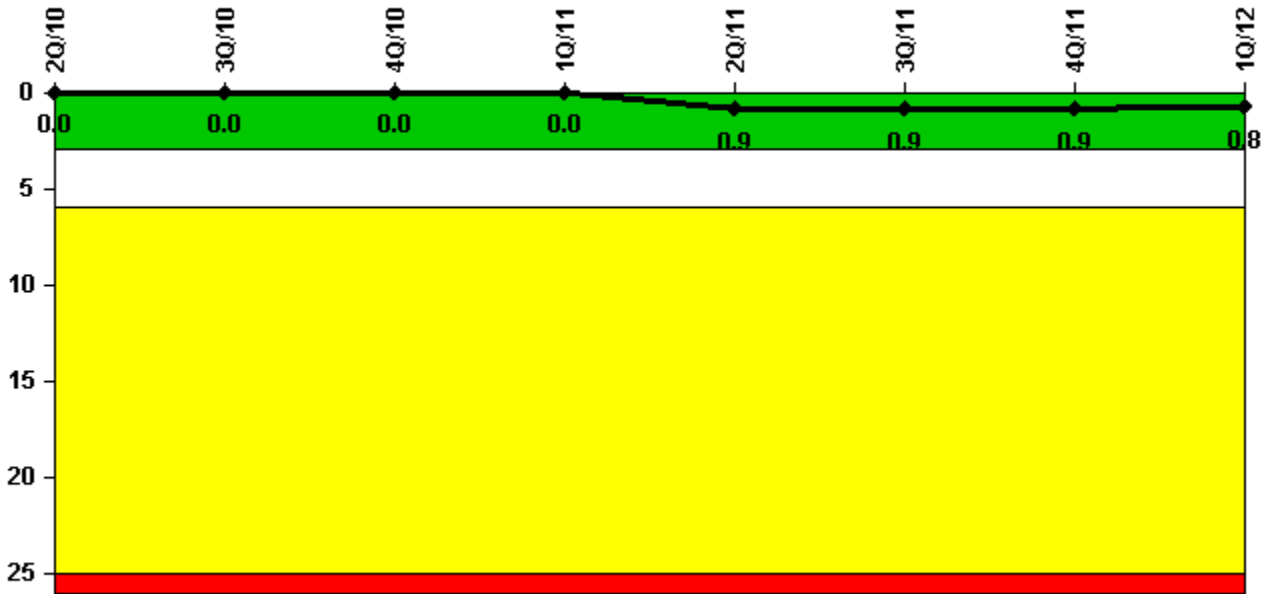


Beaver Valley 2

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



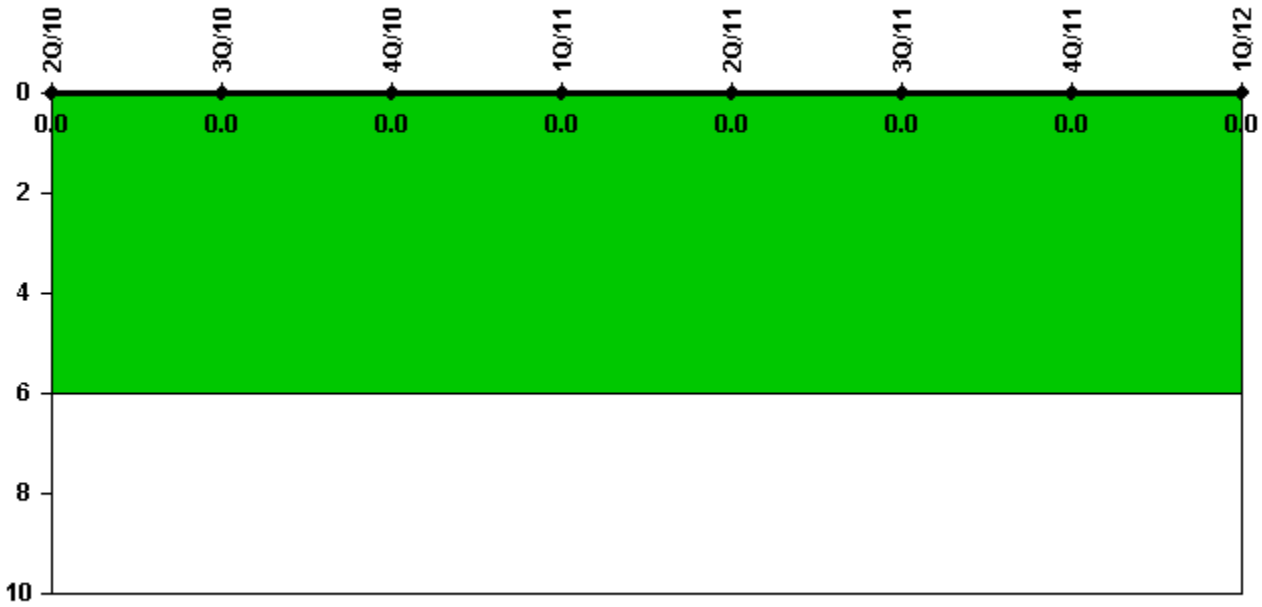
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1560.3	1976.8	2208.0	2209.0	2183.0
Indicator value	0	0	0	0	0.9	0.9	0.9	0.8

Licensee Comments: none

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	0	0
Critical hours	2184.0	2208.0	2209.0	1560.3	1976.8	2208.0	2209.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



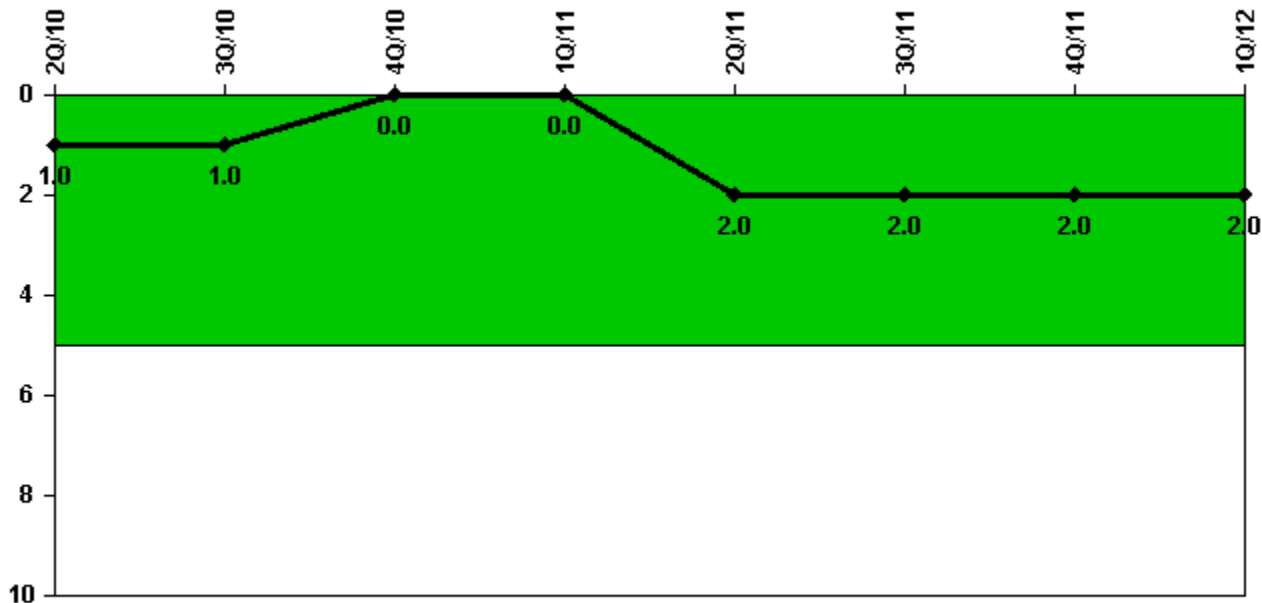
Thresholds: White > 1.0

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 (PWR)



Thresholds: White > 5.0

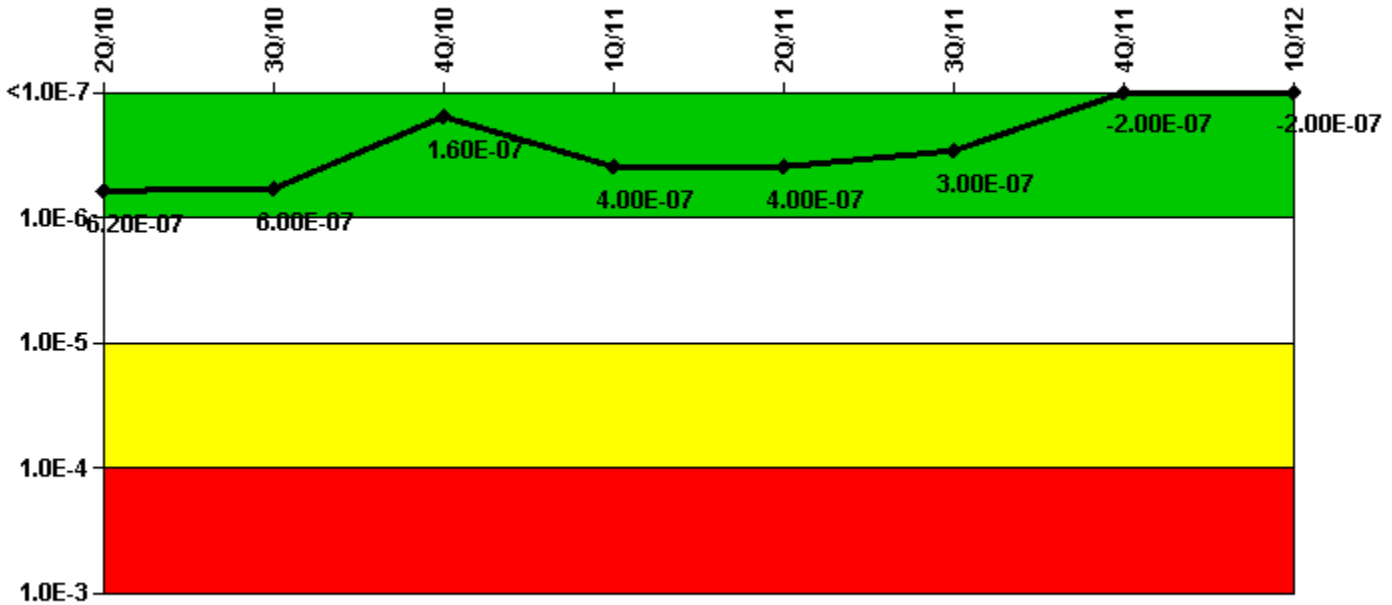
Notes

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

Licensee Comments:

2Q/11: LERs 2011-001-00 (Both EDG s Inoperable- mode 6); LER 2011-002-00 (AFW Vent Line Crack)

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)	1.31E-08	-5.04E-09	-8.75E-08	-2.81E-08	-2.76E-08	-2.84E-08	-3.62E-08	-3.62E-08
URI (Δ CDF)	6.06E-07	6.06E-07	2.51E-07	4.27E-07	4.27E-07	3.32E-07	-1.68E-07	-1.65E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.20E-07	6.00E-07	1.60E-07	4.00E-07	4.00E-07	3.00E-07	-2.00E-07	-2.00E-07

Licensee Comments:

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

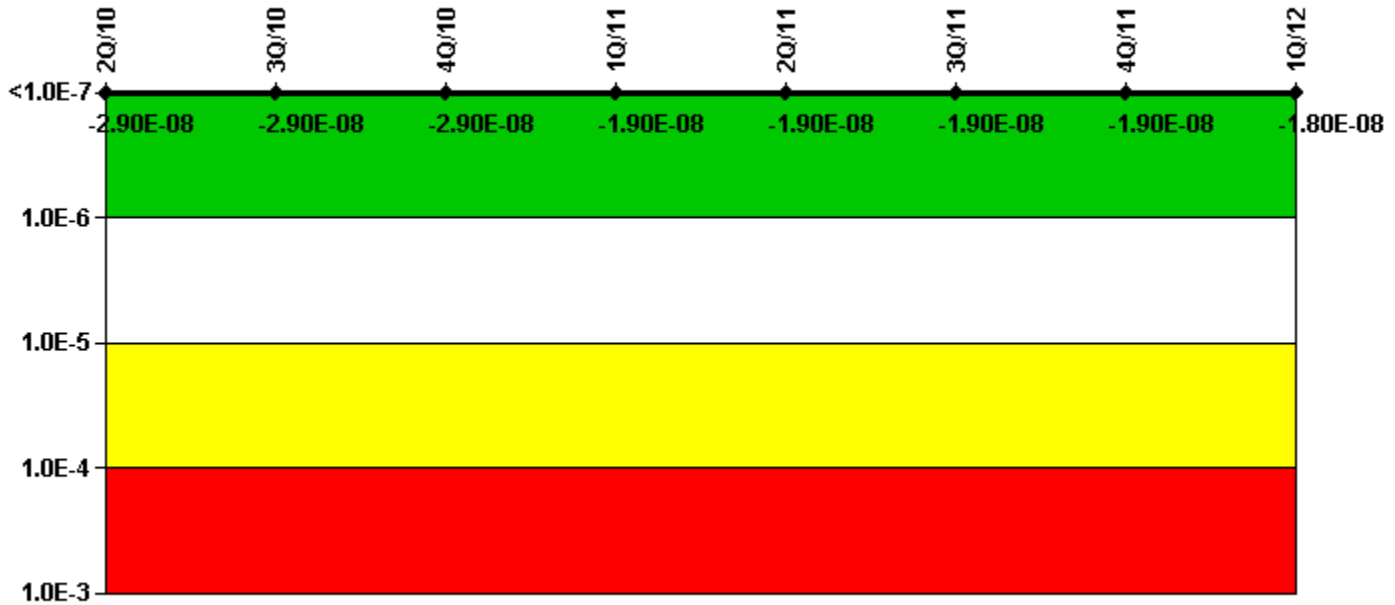
1Q/11: Risk Cap Invoked. Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

4Q/10: Risk Cap Invoked.

3Q/10: Risk Cap Invoked.

2Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

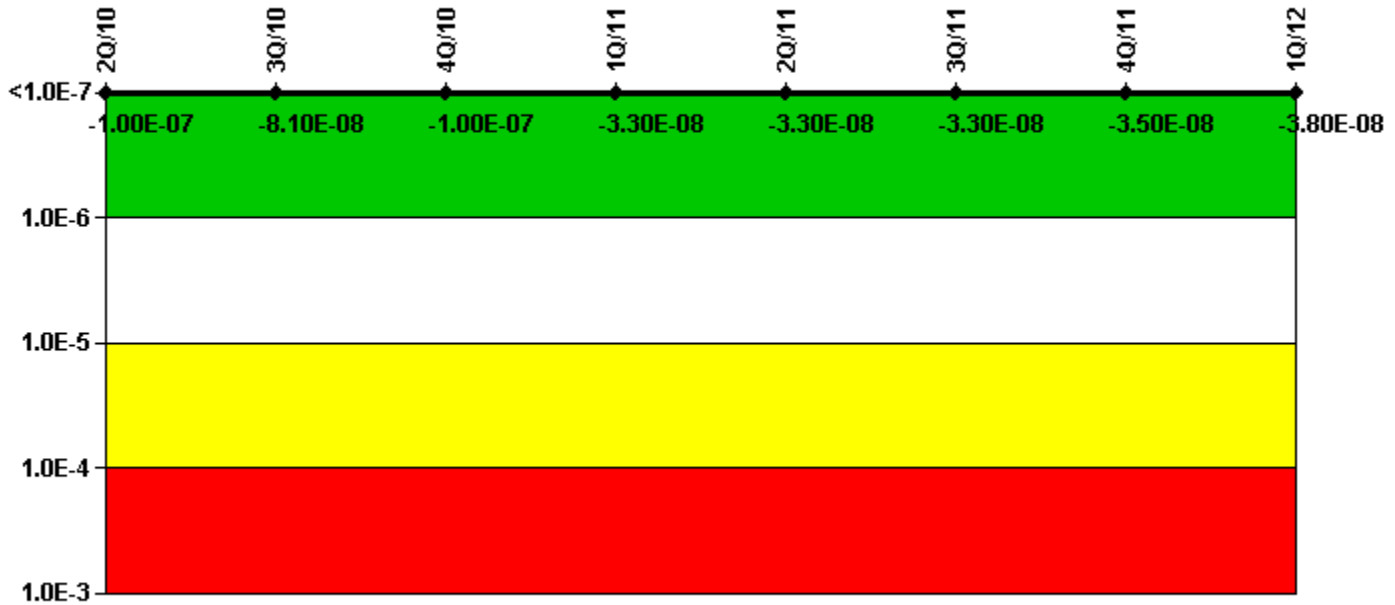
Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-7.95E-09	-7.95E-09	-7.95E-09	-7.11E-09	-7.11E-09	-7.11E-09	-7.11E-09	-7.11E-09
URI (Δ CDF)	-2.11E-08	-2.11E-08	-2.11E-08	-1.15E-08	-1.15E-08	-1.15E-08	-1.15E-08	-1.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	-2.90E-08	-2.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08

Licensee Comments:

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Heat Removal System



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

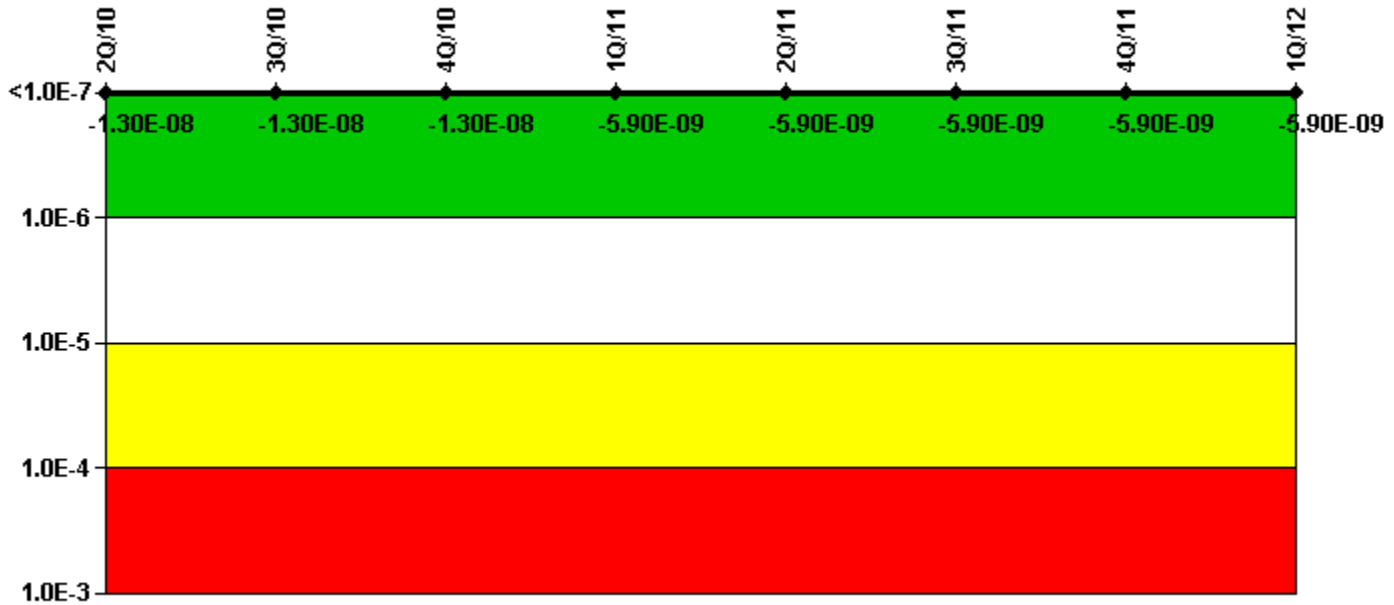
Notes

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)	-5.07E-08	-3.16E-08	-5.46E-08	-7.93E-09	-7.02E-09	-7.02E-09	-8.97E-09	-1.15E-08
URI (Δ CDF)	-4.89E-08	-4.89E-08	-4.89E-08	-2.51E-08	-2.64E-08	-2.64E-08	-2.64E-08	-2.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-8.10E-08	-1.00E-07	-3.30E-08	-3.30E-08	-3.30E-08	-3.50E-08	-3.80E-08

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

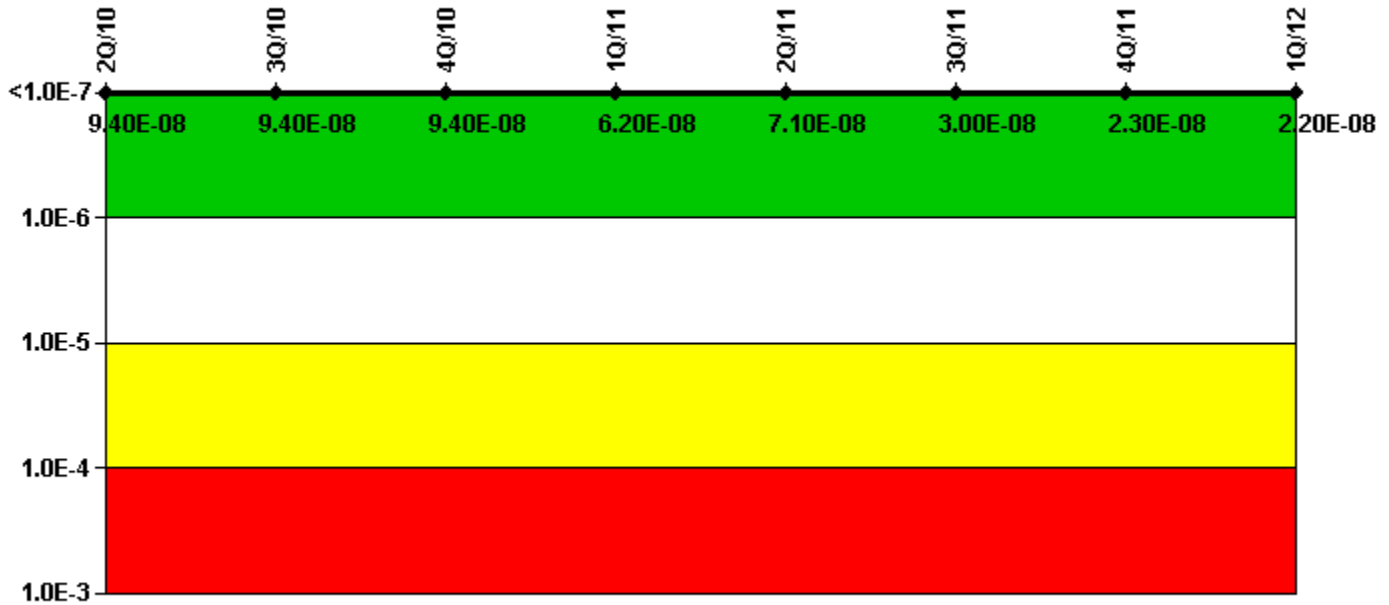
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-5.87E-09	-5.87E-09	-5.87E-09	-2.73E-09	-2.73E-09	-2.73E-09	-2.73E-09	-2.73E-09
URI (Δ CDF)	-6.71E-09	-6.71E-09	-6.71E-09	-3.17E-09	-3.17E-09	-3.17E-09	-3.17E-09	-3.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-08	-1.30E-08	-1.30E-08	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09

Licensee Comments:

1Q/12: The estimated start demands for the associated pumps utilized for residual heat removal was lowered due to a change in the surveillance testing procedure.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Cooling Water Systems



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

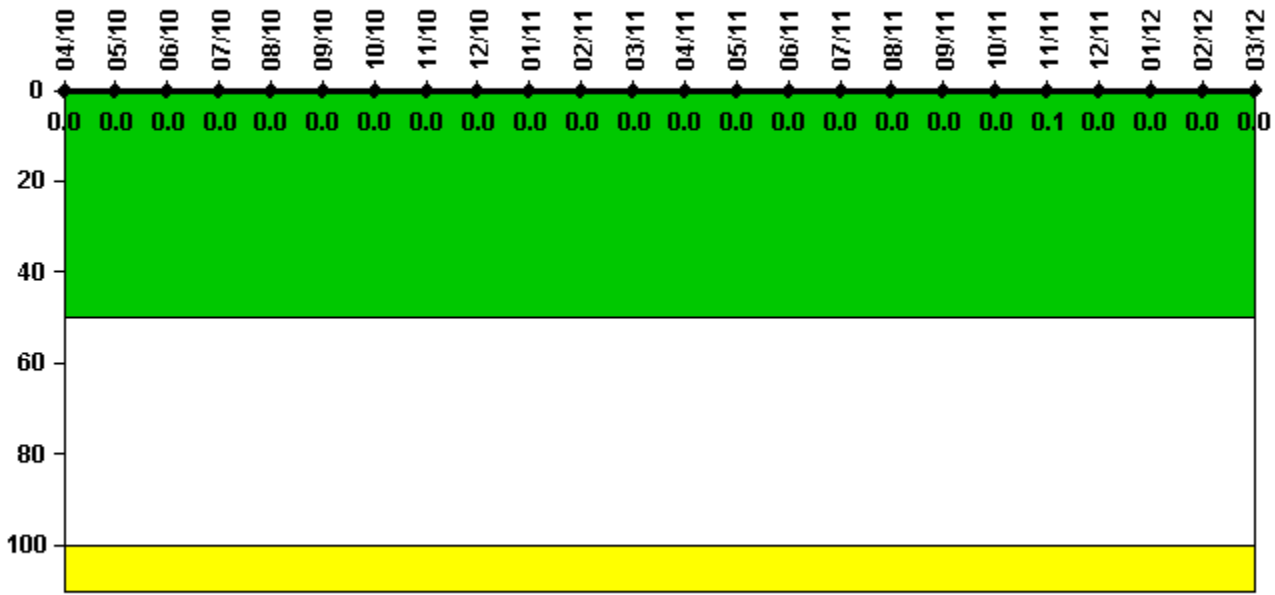
Notes

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)	6.80E-08	6.81E-08	6.81E-08	2.94E-08	1.21E-08	1.18E-08	4.45E-09	4.40E-09
URI (Δ CDF)	2.60E-08	2.60E-08	2.60E-08	3.23E-08	5.88E-08	1.81E-08	1.81E-08	1.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.40E-08	9.40E-08	9.40E-08	6.20E-08	7.10E-08	3.00E-08	2.30E-08	2.20E-08

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

Reactor Coolant System Activity



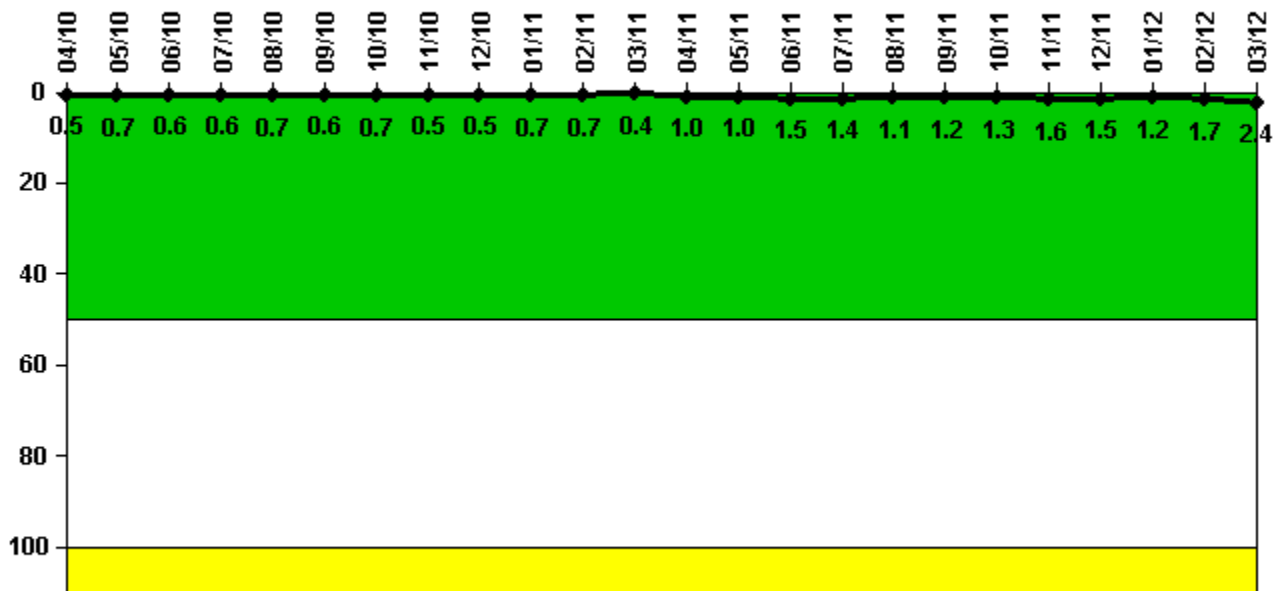
Thresholds: White > 50.0 Yellow > 100.0

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	0.000115	0.000127	0.000123	0.000126	0.000129	0.000140	0.000144	0.000147	0.000149	0.000156	0.000160	0.000160
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
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	0.000085	0.000100	0.000133	0.000121	0.000123	0.000136	0.000131	0.000352	0.000154	0.000152	0.000158	0.000155
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0	0	0	0	0.1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



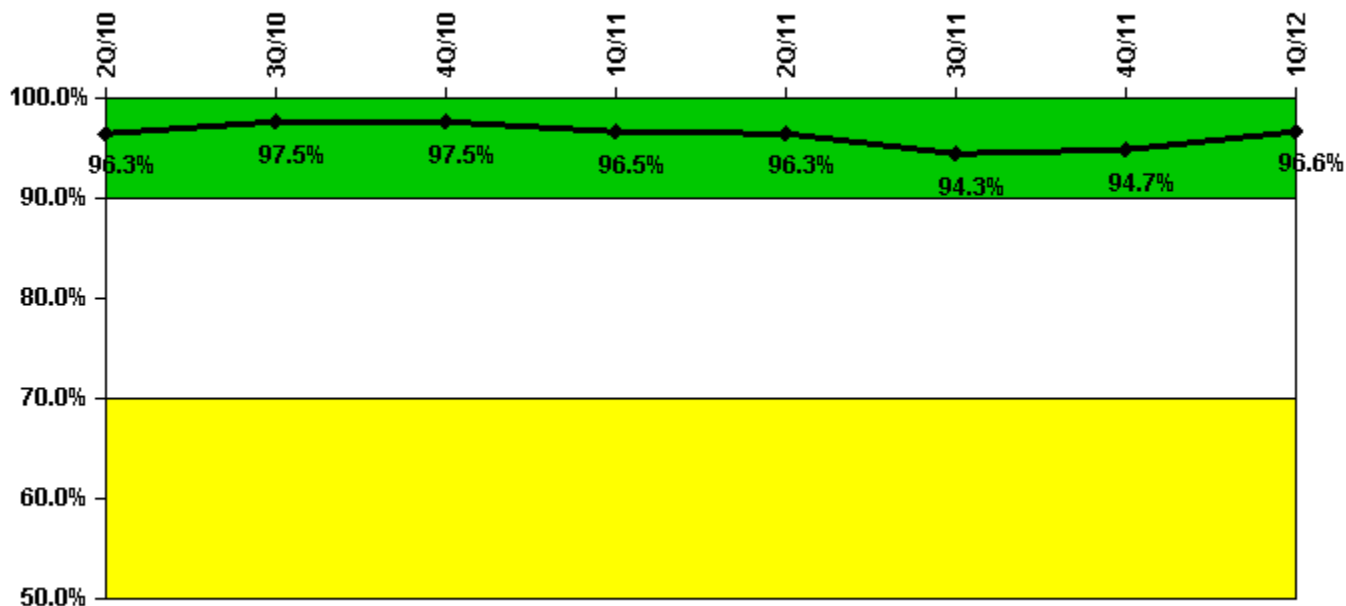
Thresholds: White > 50.0 Yellow > 100.0

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	0.050	0.070	0.060	0.060	0.070	0.060	0.070	0.050	0.050	0.070	0.070	0.040
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	0.5	0.7	0.6	0.6	0.7	0.6	0.7	0.5	0.5	0.7	0.7	0.4
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	0.100	0.100	0.150	0.140	0.110	0.120	0.130	0.160	0.150	0.120	0.170	0.240
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	1.0	1.5	1.4	1.1	1.2	1.3	1.6	1.5	1.2	1.7	2.4

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

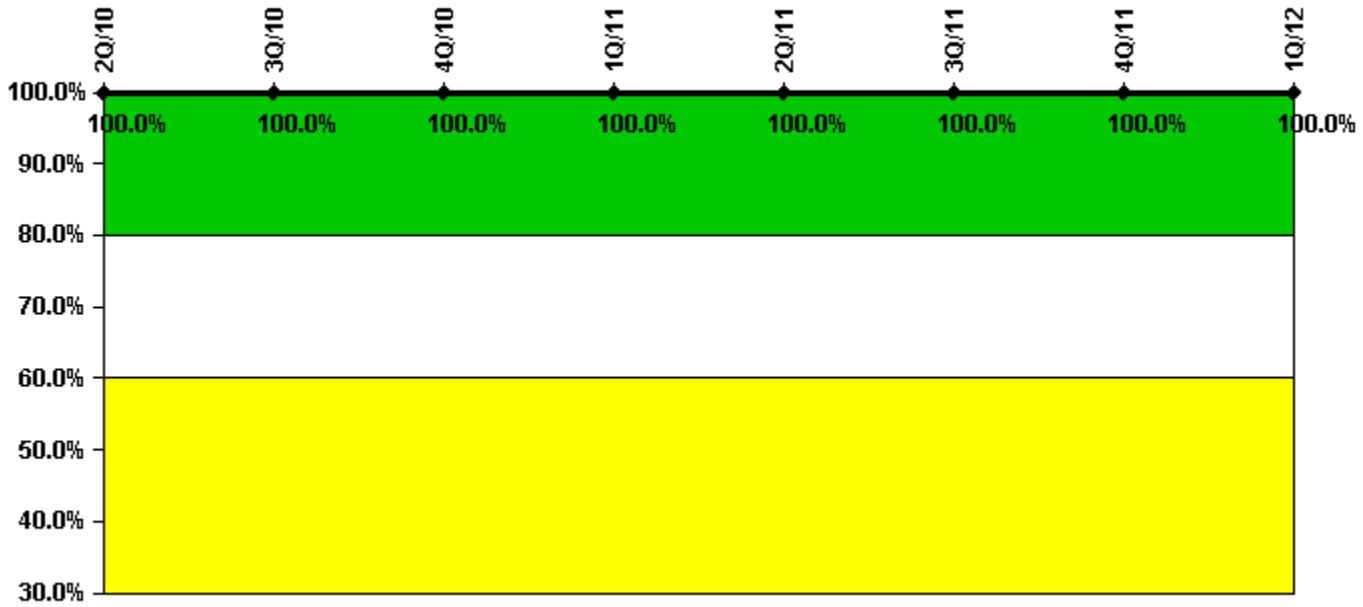
Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	45.0	26.0	5.0	10.0	18.0	17.0	31.0	19.0
Total opportunities	45.0	26.0	5.0	11.0	19.0	20.0	32.0	19.0
Indicator value	96.3%	97.5%	97.5%	96.5%	96.3%	94.3%	94.7%	96.6%

Licensee Comments:

1Q/11: Previously reported values for 2011-01 were in error. (See Condition Reports 11-94235 and 11-94392)

3Q/10: Previously reported values for 2010-09 were in error. (See Condition Reports 11-94235 and 11-94392)

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

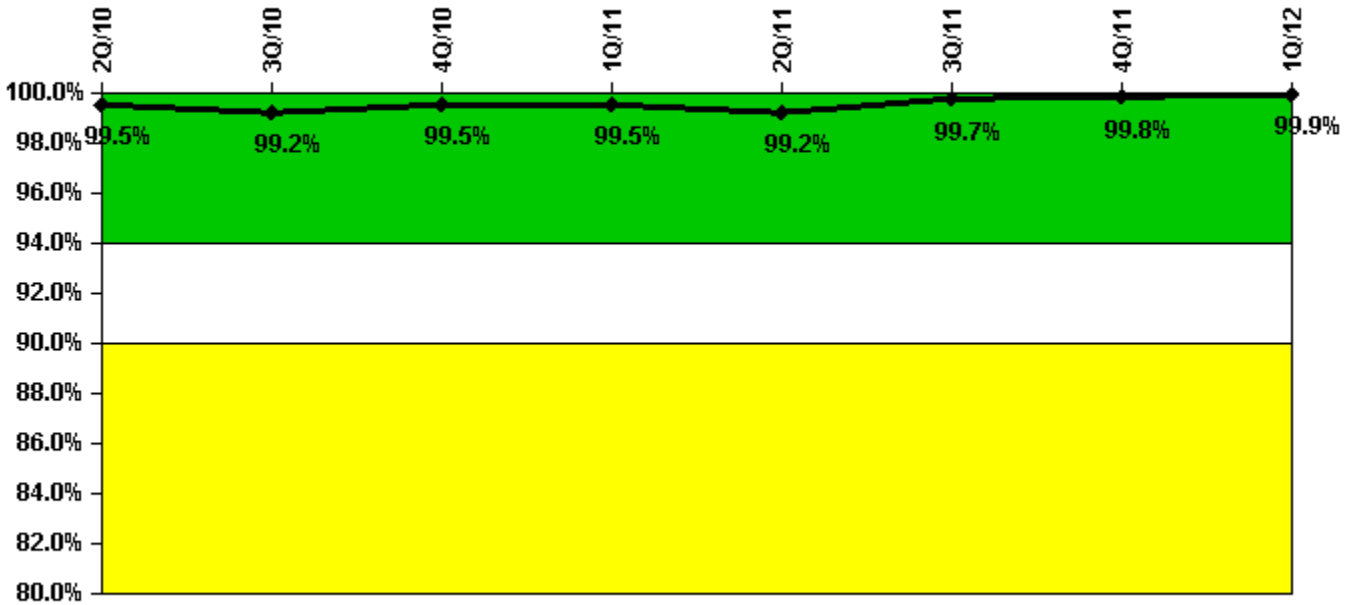
Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	119.0	121.0	116.0	167.0	167.0	170.0	177.0	173.0
Total Key personnel	119.0	121.0	116.0	167.0	167.0	170.0	177.0	173.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

3Q/10: Previously reported values for 2010-09 were in error. (See Condition Reports 11-94235 and 11-94392)

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	115	235	119	119	113	1523	1560	1560
Total sirens-tests	115	238	119	119	115	1527	1560	1560
Indicator value	99.5%	99.2%	99.5%	99.5%	99.2%	99.7%	99.8%	99.9%

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Occupational Exposure Control Effectiveness



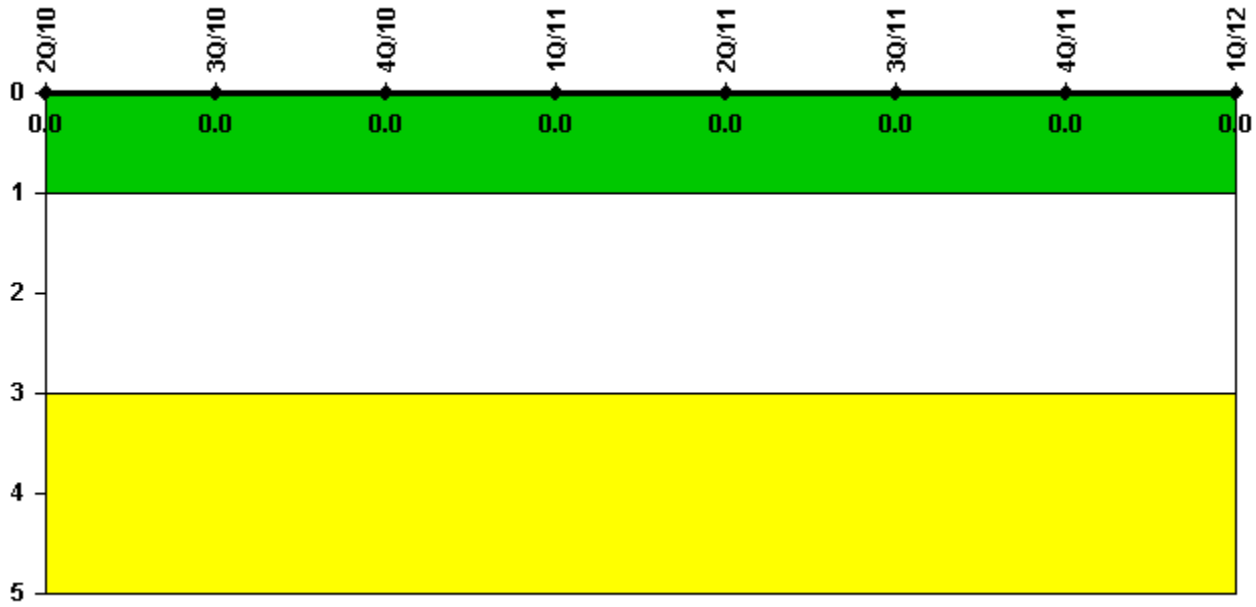
Thresholds: White > 2.0 Yellow > 5.0

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.