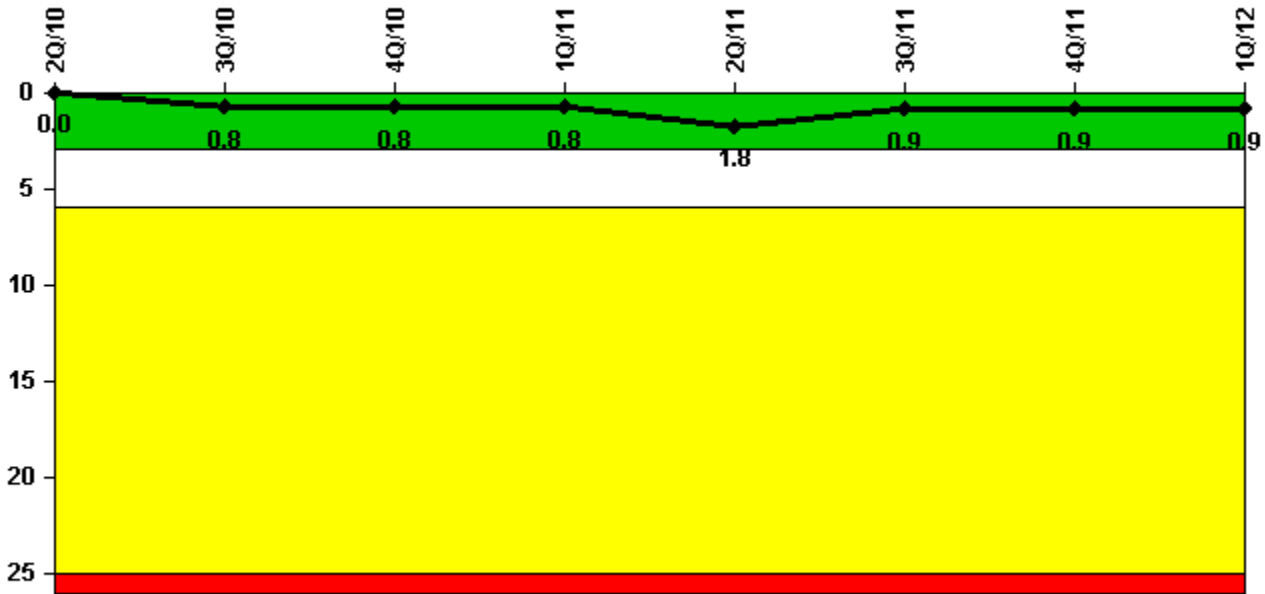


Quad Cities 1

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



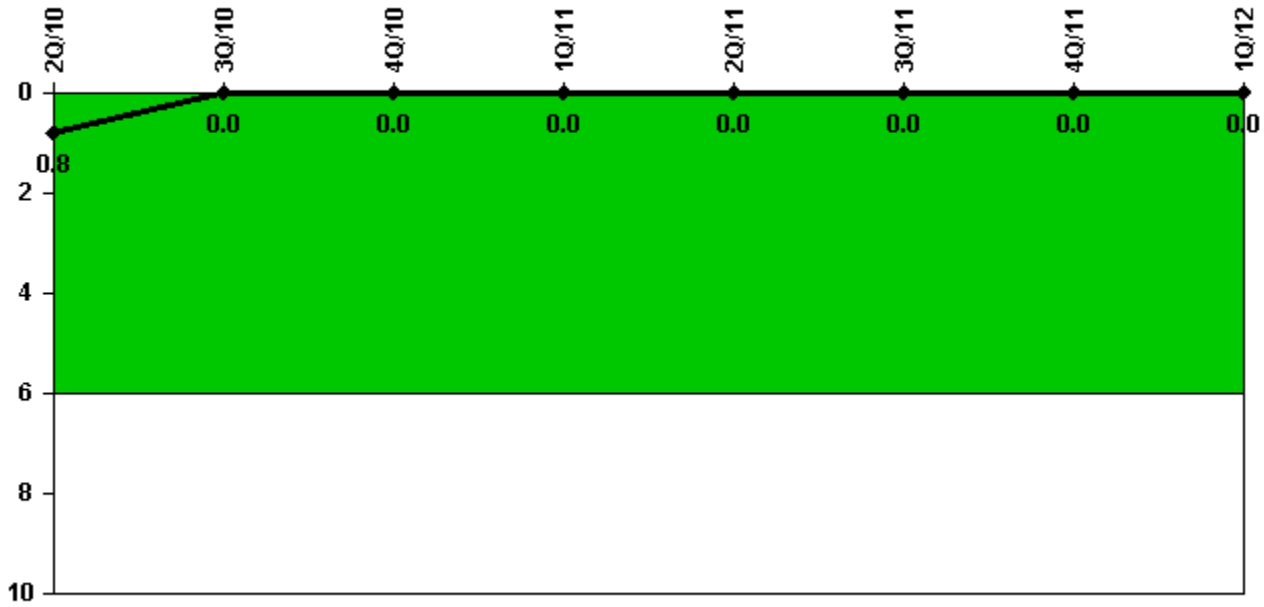
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	1.0	0	0	0
Critical hours	2184.0	2154.3	2209.0	2159.0	1467.5	2208.0	2209.0	2183.0
Indicator value	0	0.8	0.8	0.8	1.8	0.9	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	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	2154.3	2209.0	2159.0	1467.5	2208.0	2209.0	2183.0
Indicator value	0.8	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



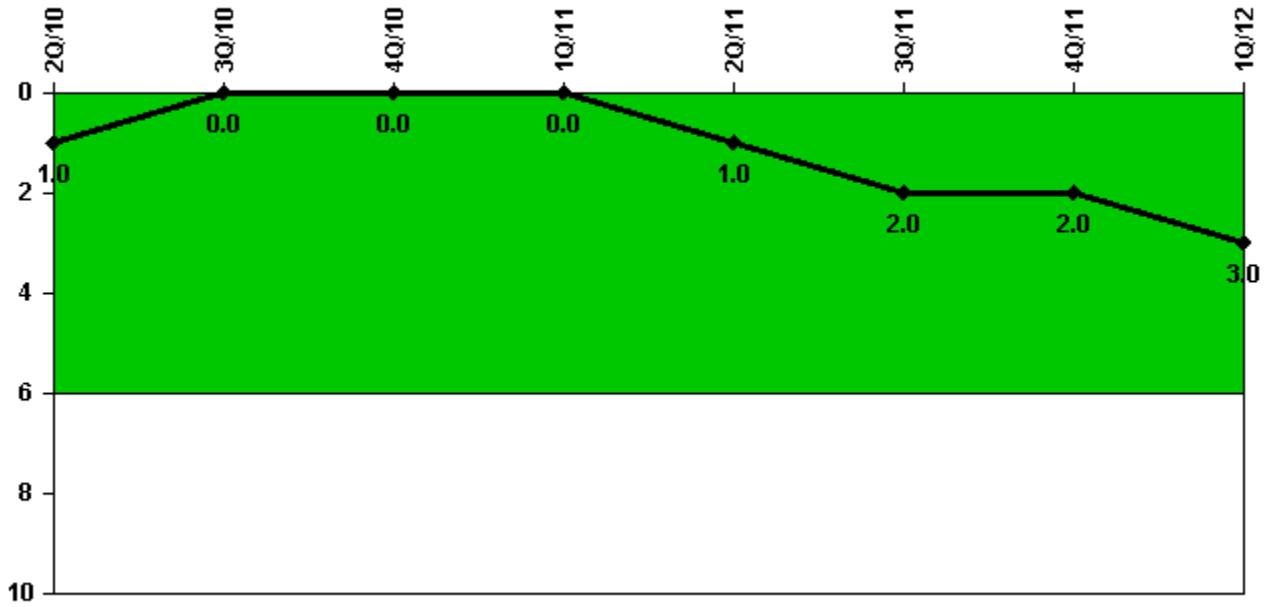
Thresholds: White > 1.0

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 (BWR)



Thresholds: White > 6.0

Notes

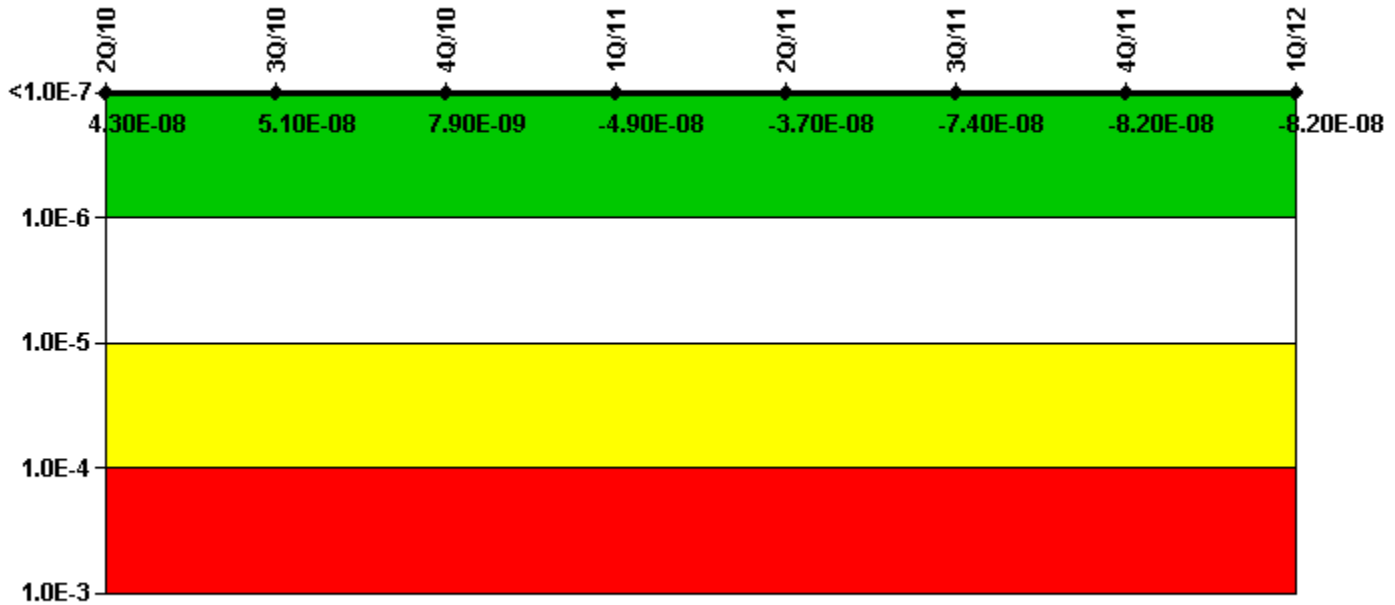
Safety System Functional Failures (BWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	0	0	1	1	0	1
Indicator value	1	0	0	0	1	2	2	3

Licensee Comments:

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 1).

2Q/11: Quad Cities LER 254/2011-001-00, Loss of Both Divisions of Residual Heat Removal System (Unit 1)

Mitigating Systems Performance Index, Emergency AC Power System



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

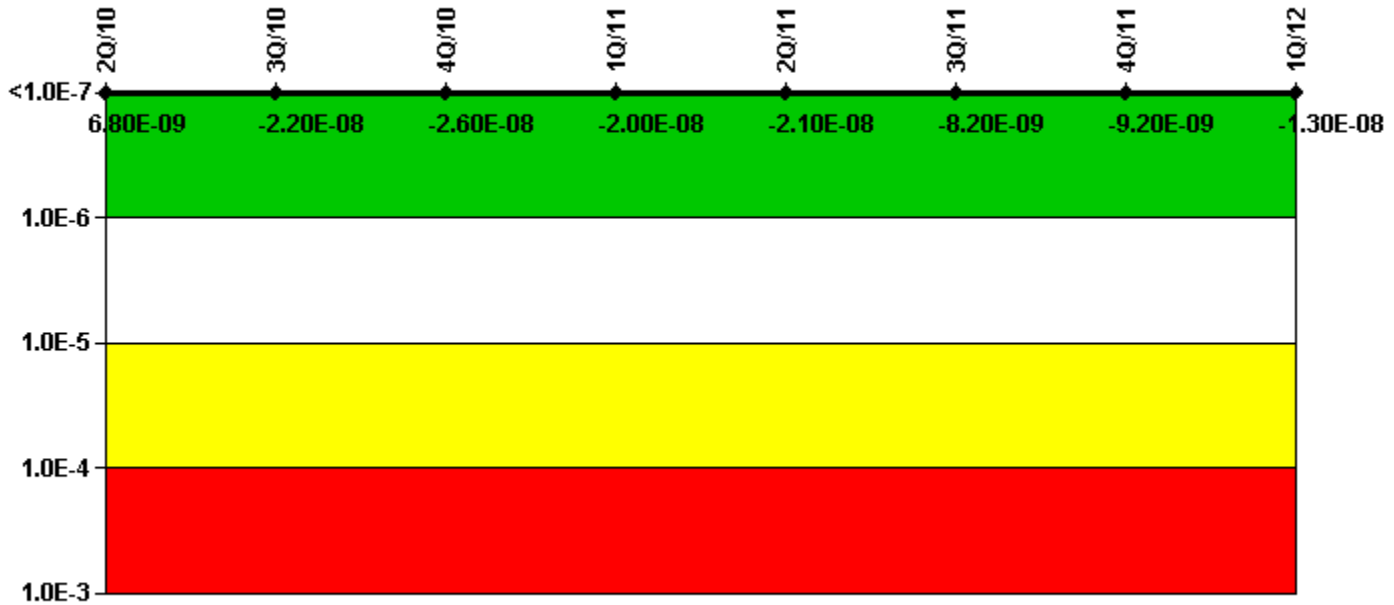
Notes

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)	1.07E-07	1.16E-07	1.21E-07	6.59E-08	8.05E-08	2.57E-09	-6.11E-09	-8.21E-09
URI (Δ CDF)	-6.45E-08	-6.52E-08	-1.13E-07	-1.15E-07	-1.18E-07	-7.64E-08	-7.61E-08	-7.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.30E-08	5.10E-08	7.90E-09	-4.90E-08	-3.70E-08	-7.40E-08	-8.20E-08	-8.20E-08

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	4.42E-08	1.57E-08	1.17E-08	1.87E-08	1.93E-08	7.97E-09	6.97E-09	3.35E-09
URI (Δ CDF)	-3.74E-08	-3.74E-08	-3.74E-08	-3.89E-08	-4.03E-08	-1.62E-08	-1.62E-08	-1.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.80E-09	-2.20E-08	-2.60E-08	-2.00E-08	-2.10E-08	-8.20E-09	-9.20E-09	-1.30E-08

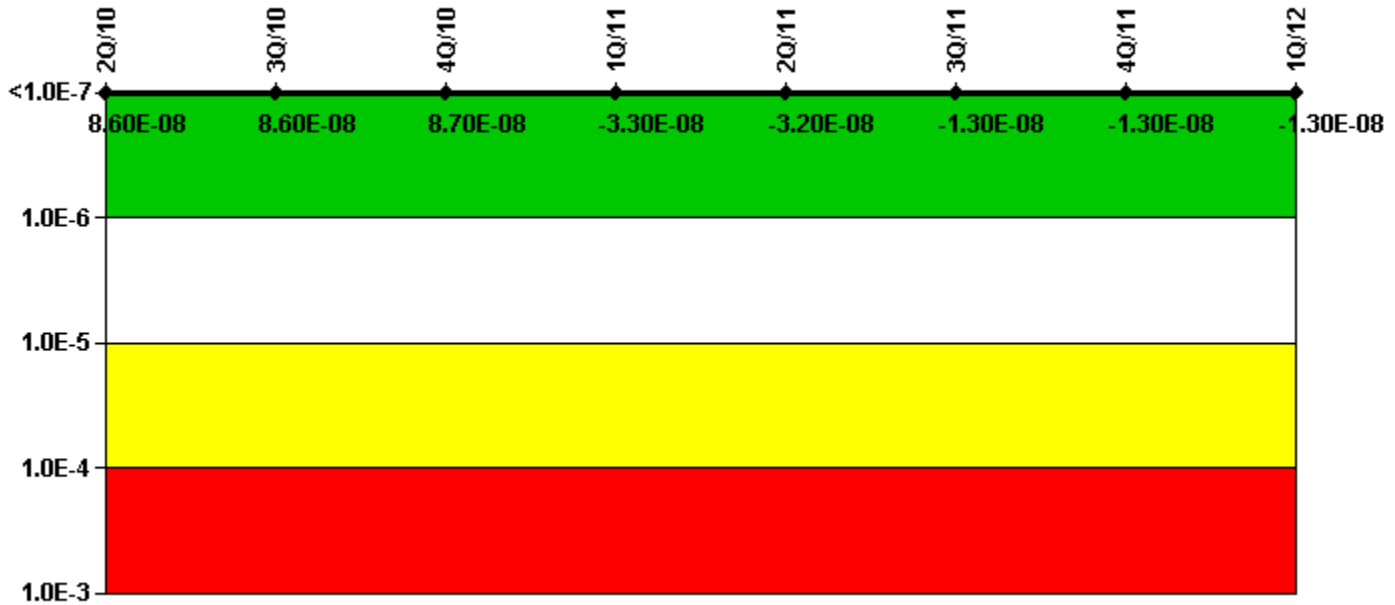
Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

1Q/11: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

4Q/10: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

Mitigating Systems Performance Index, Heat Removal System



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

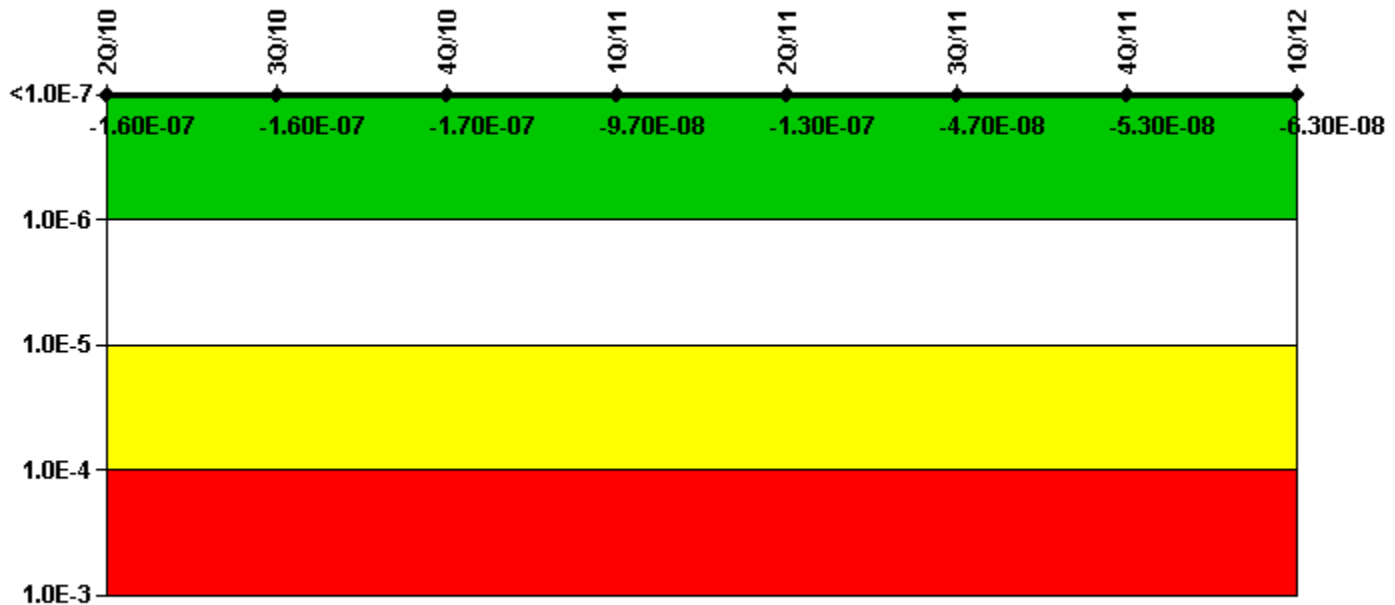
Notes

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)	-2.39E-09	-5.53E-09	-5.30E-09	-8.58E-10	2.53E-09	1.15E-09	1.29E-09	1.42E-09
URI (Δ CDF)	8.86E-08	9.19E-08	9.19E-08	-3.25E-08	-3.47E-08	-1.45E-08	-1.45E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.60E-08	8.60E-08	8.70E-08	-3.30E-08	-3.20E-08	-1.30E-08	-1.30E-08	-1.30E-08

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

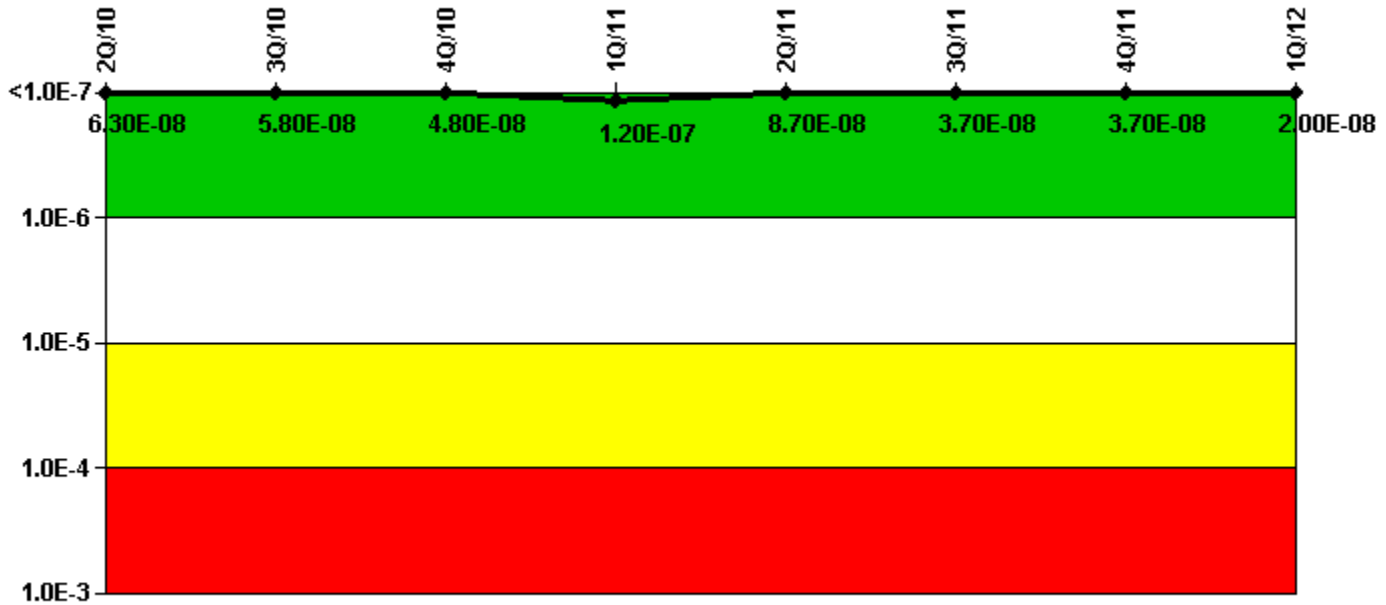
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-5.47E-08	-5.18E-08	-6.11E-08	6.82E-09	-2.12E-08	-6.34E-09	-1.29E-08	-2.27E-08
URI (Δ CDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.70E-07	-9.70E-08	-1.30E-07	-4.70E-08	-5.30E-08	-6.30E-08

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

4Q/10: Changed PRA Parameter(s). A periodic revision to the PRA model resulted in revised values for FVURC and URPC.

Mitigating Systems Performance Index, Cooling Water Systems



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

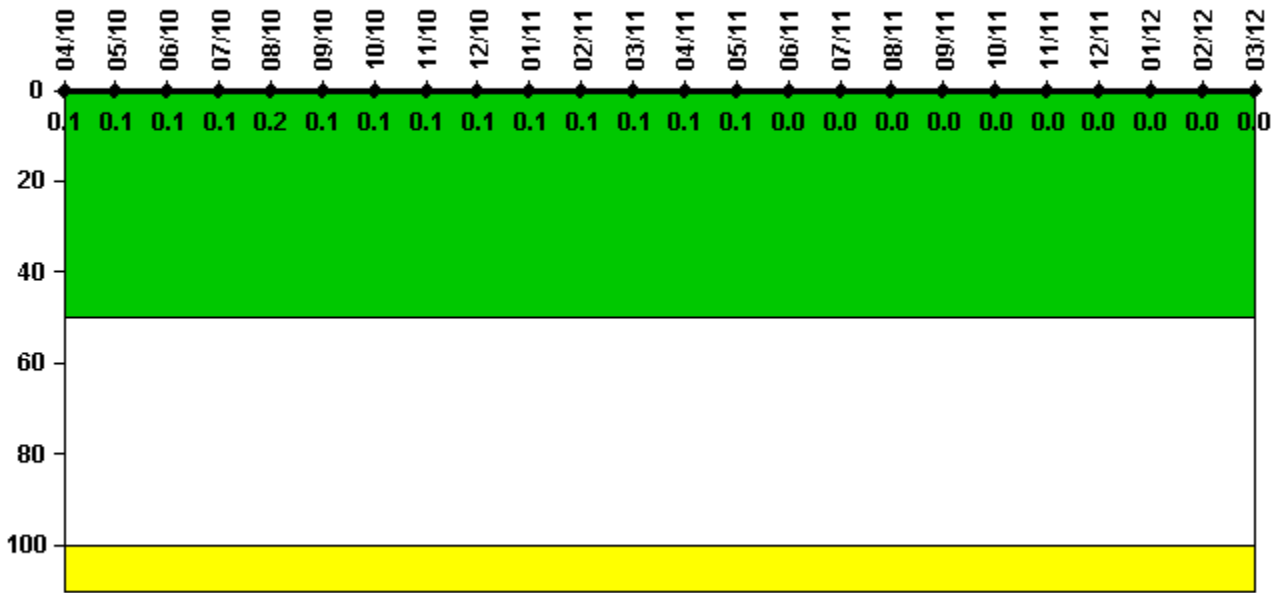
Notes

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)	6.40E-08	5.91E-08	4.87E-08	1.26E-07	8.83E-08	3.71E-08	3.71E-08	2.08E-08
URI (Δ CDF)	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.30E-08	5.80E-08	4.80E-08	1.20E-07	8.70E-08	3.70E-08	3.70E-08	2.00E-08

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPi Basis Document.

Reactor Coolant System Activity



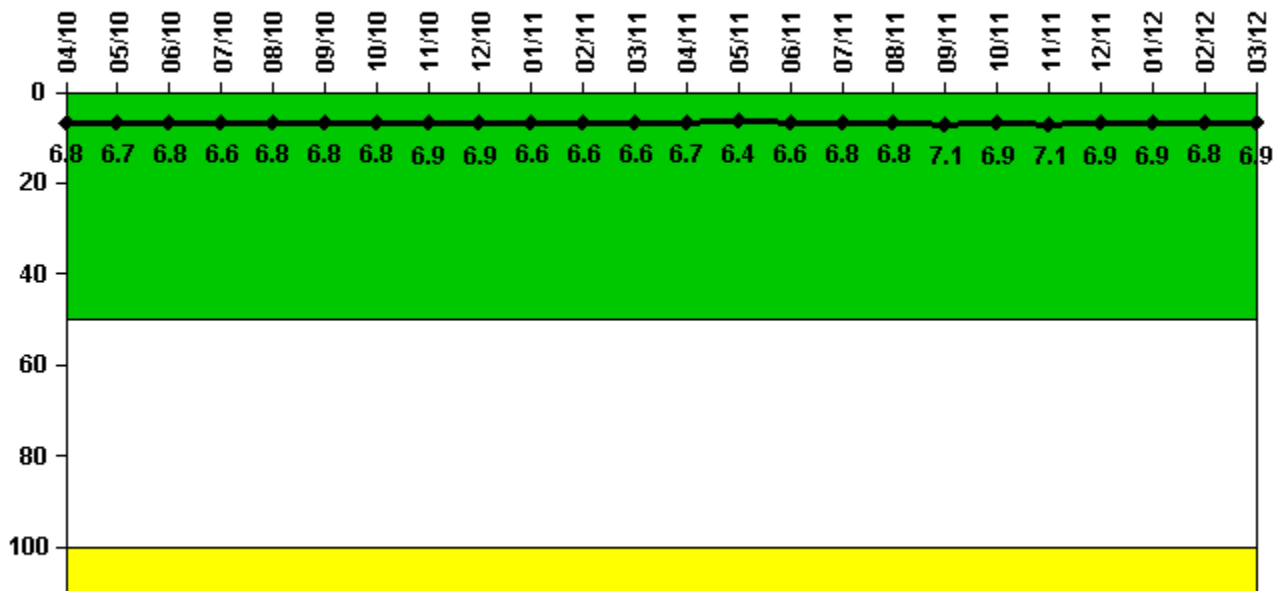
Thresholds: White > 50.0 Yellow > 100.0

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	0.000164	0.000161	0.000223	0.000242	0.000327	0.000222	0.000198	0.000240	0.000222	0.000210	0.000189	0.000161
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	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000163	0.000144	0.000041	0.000047	0.000052	0.000043	0.000032	0.000036	0.000036	0.000031	0.000035	0.000035
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	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



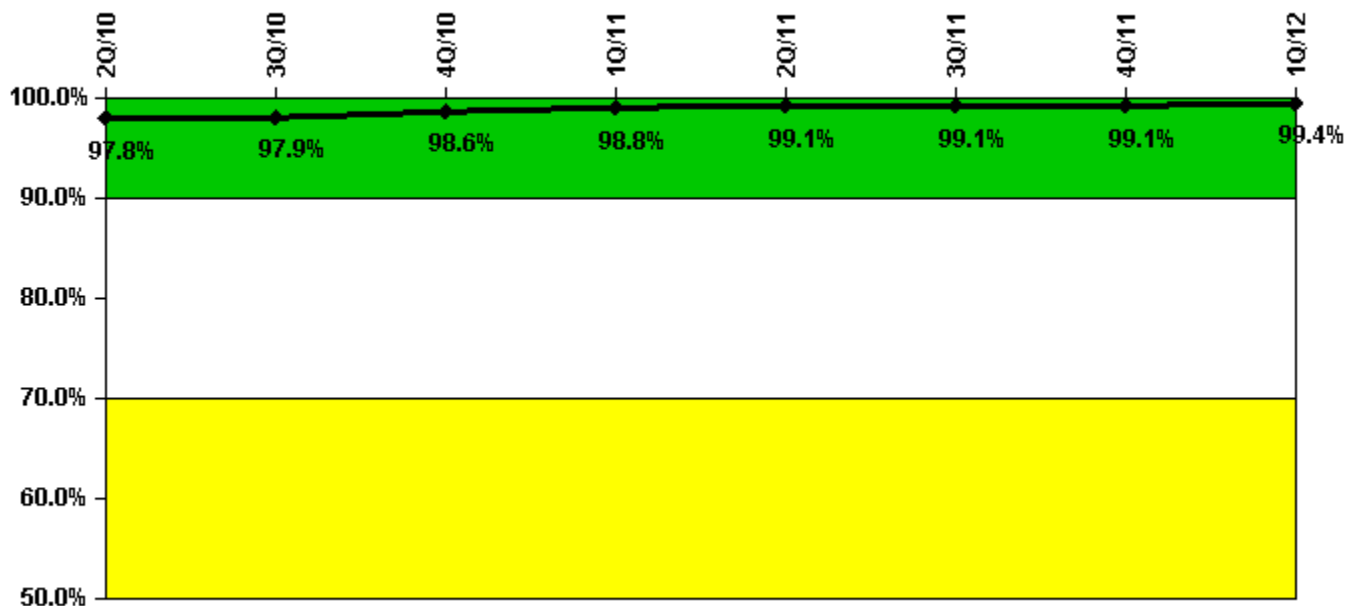
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.690	1.680	1.690	1.644	1.691	1.703	1.702	1.722	1.729	1.641	1.643	1.644
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.8	6.7	6.8	6.6	6.8	6.8	6.8	6.9	6.9	6.6	6.6	6.6
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	1.685	1.591	1.650	1.699	1.709	1.784	1.718	1.765	1.724	1.714	1.703	1.730
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.7	6.4	6.6	6.8	6.8	7.1	6.9	7.1	6.9	6.9	6.8	6.9

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	44.0	37.0	39.0	62.0	10.0	65.0	44.0	50.0
Total opportunities	46.0	37.0	39.0	62.0	10.0	65.0	44.0	50.0
Indicator value	97.8%	97.9%	98.6%	98.8%	99.1%	99.1%	99.1%	99.4%

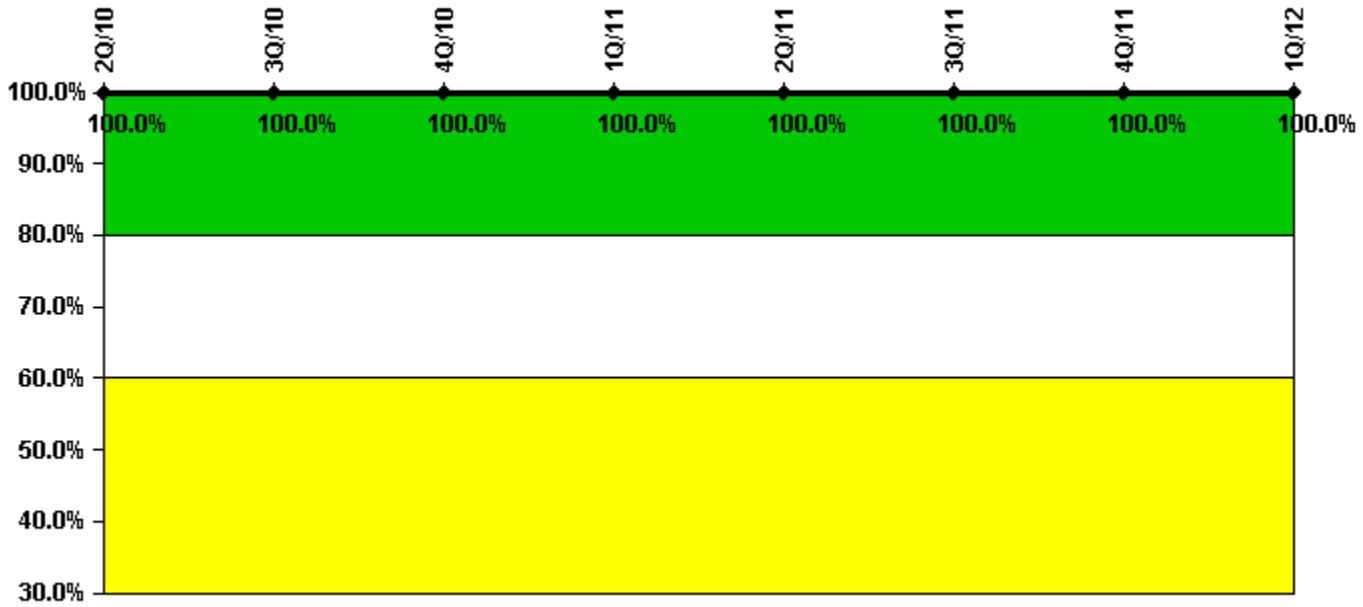
Licensee Comments:

3Q/10: Revised to reduce the number of opportunities following internal review of the data.

2Q/10: DEP Opportunities that were originally credited in April were changed to be credited in May as a correction. Additional change to reduce the number of opportunities following internal review of the data.

2Q/10: DEP Opportunities that were originally credited in April were changed to be credited in May as a correction.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

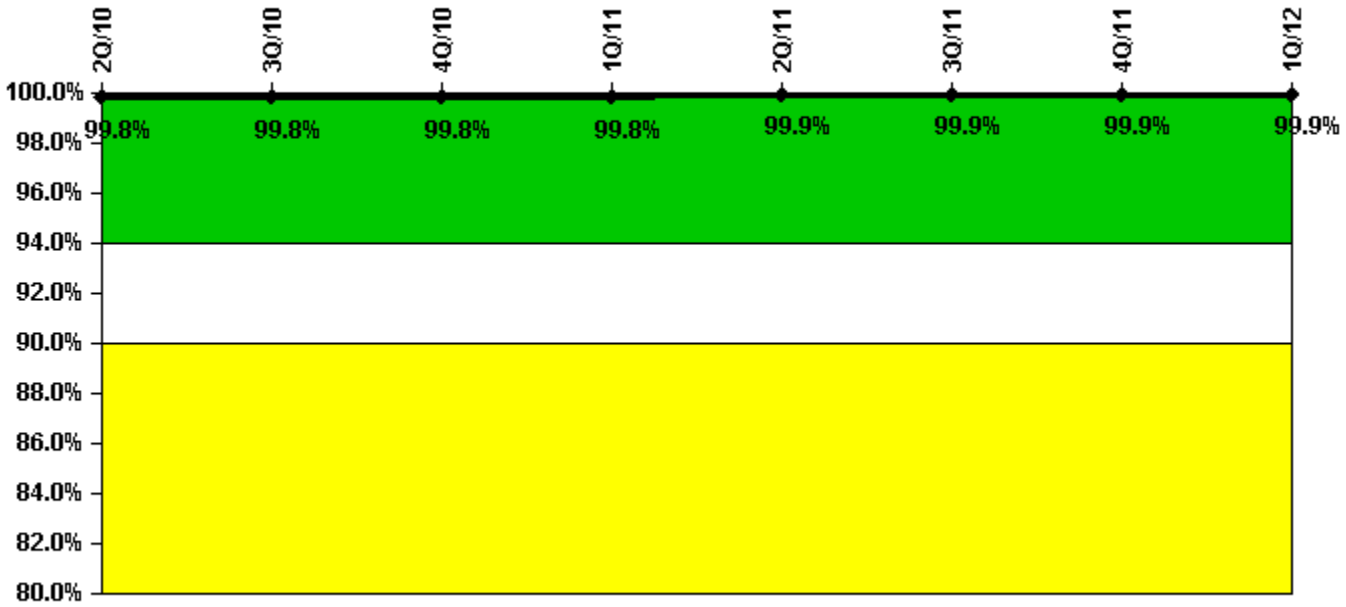
ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	66.0	69.0	70.0	75.0	75.0	73.0	72.0	75.0
Total Key personnel	66.0	69.0	70.0	75.0	75.0	73.0	72.0	75.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

3Q/10: Revised to correct data errors found during an internal review of data.

2Q/10: Revised to correct data errors found during an internal review of data.

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	2675	2723	2728	2686	2686	2685	2687	2727
Total sirens-tests	2688	2730	2730	2688	2688	2688	2688	2730
Indicator value	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



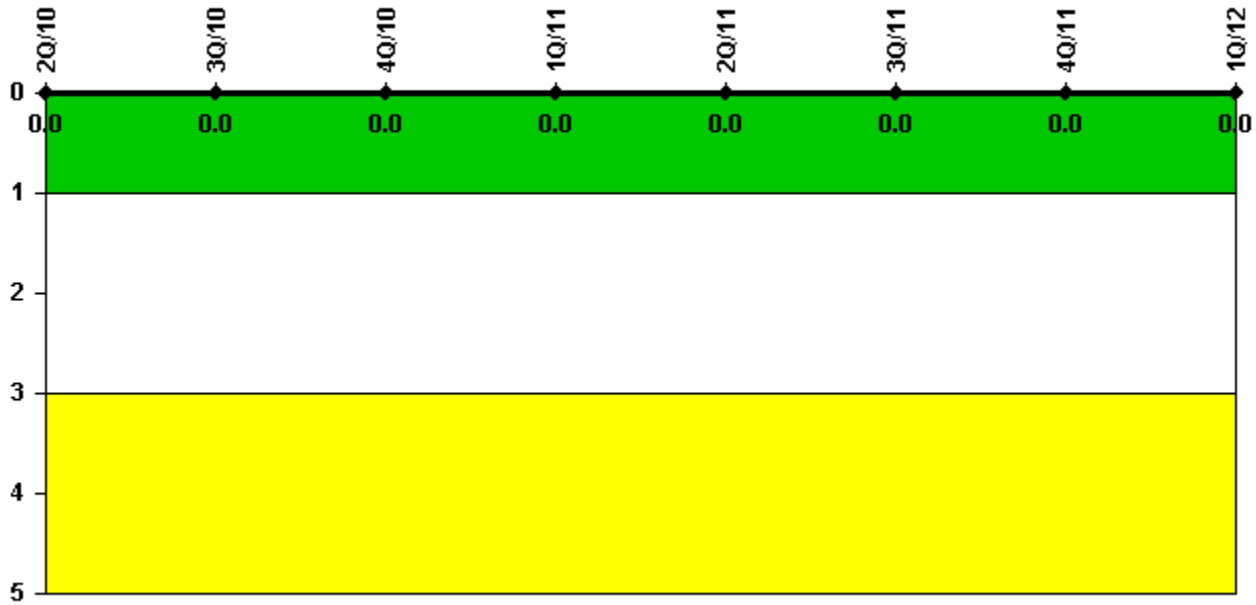
Thresholds: White > 2.0 Yellow > 5.0

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.