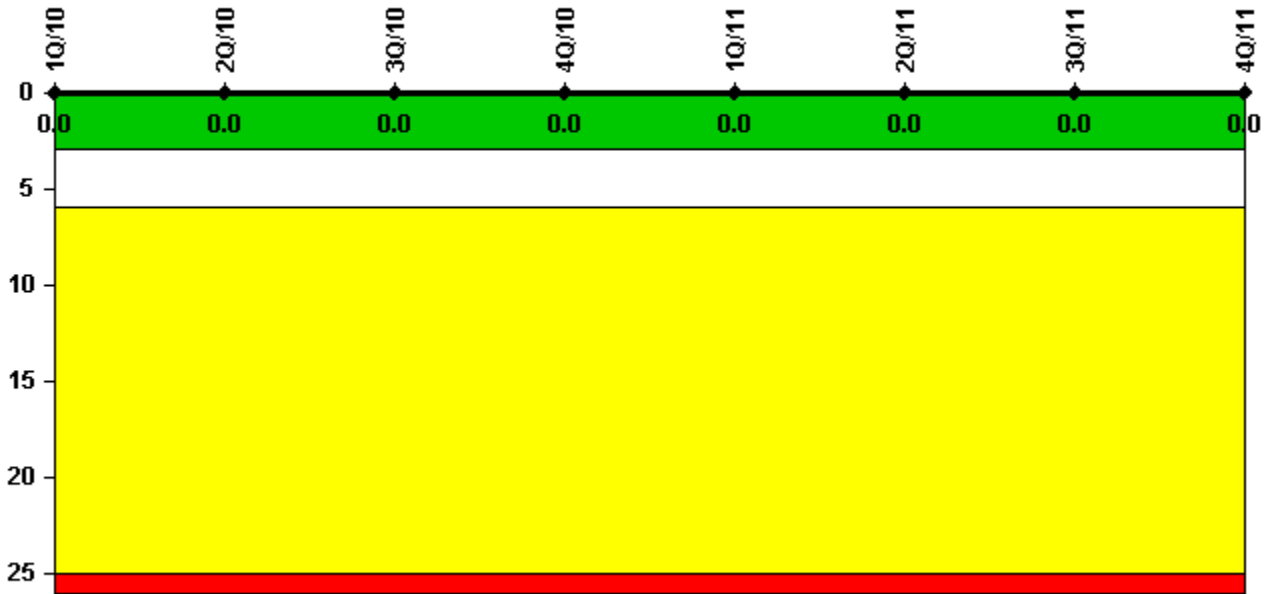


Kewaunee

4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



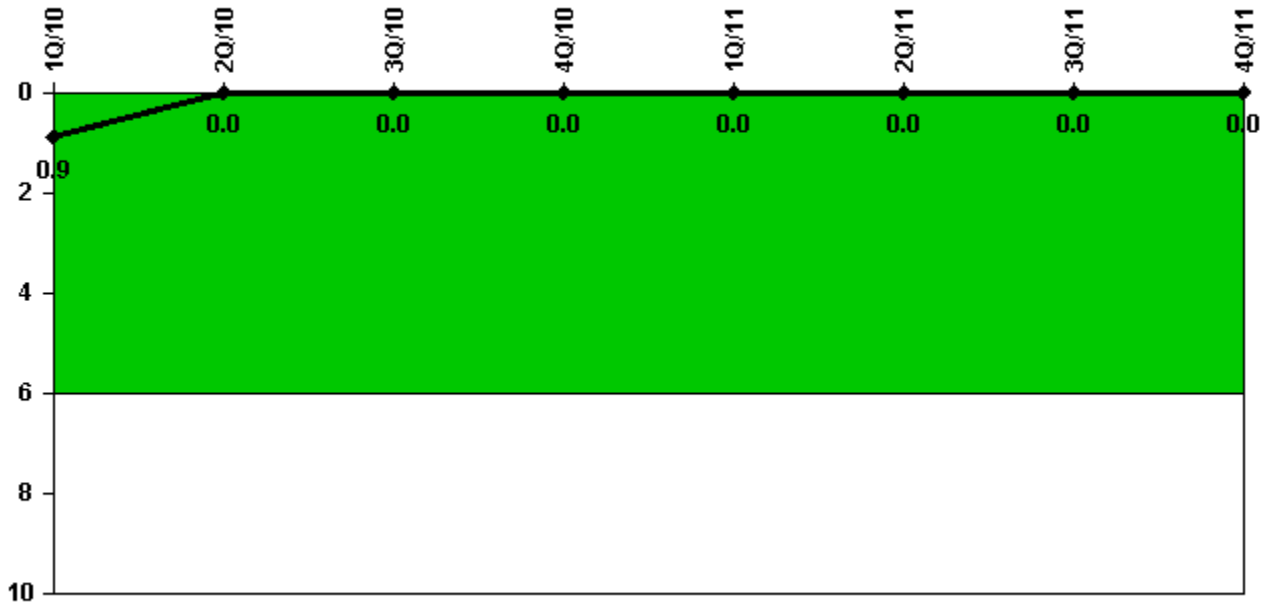
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1486.8	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	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/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1486.8	2184.0	2208.0	2209.0
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



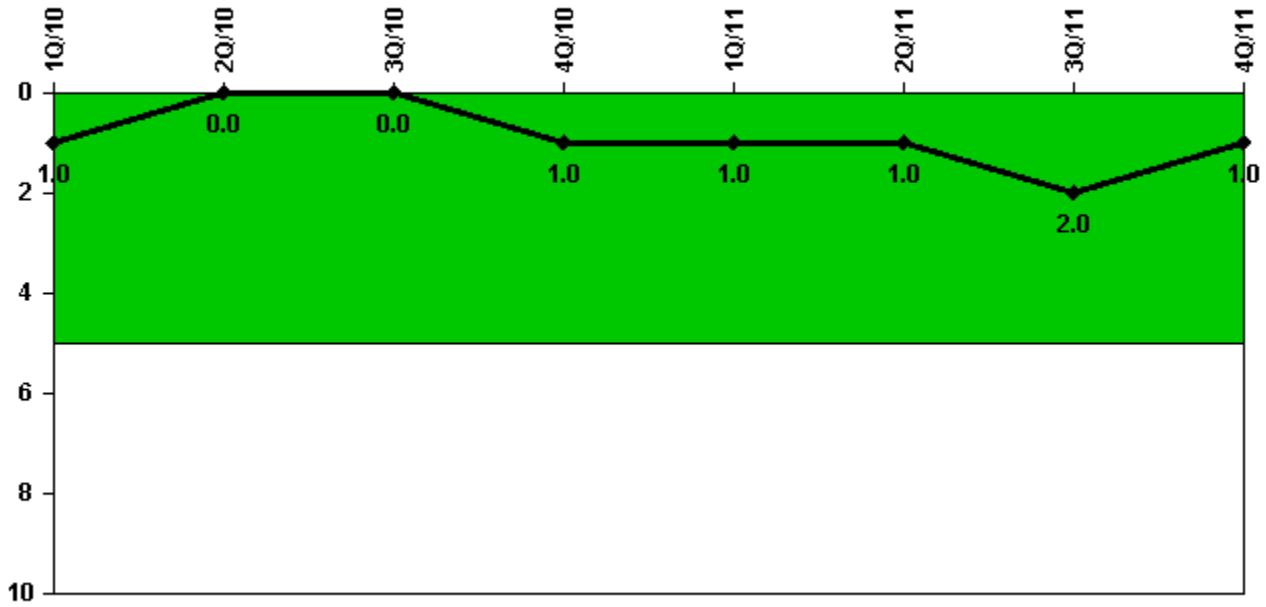
Thresholds: White > 1.0

Notes

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



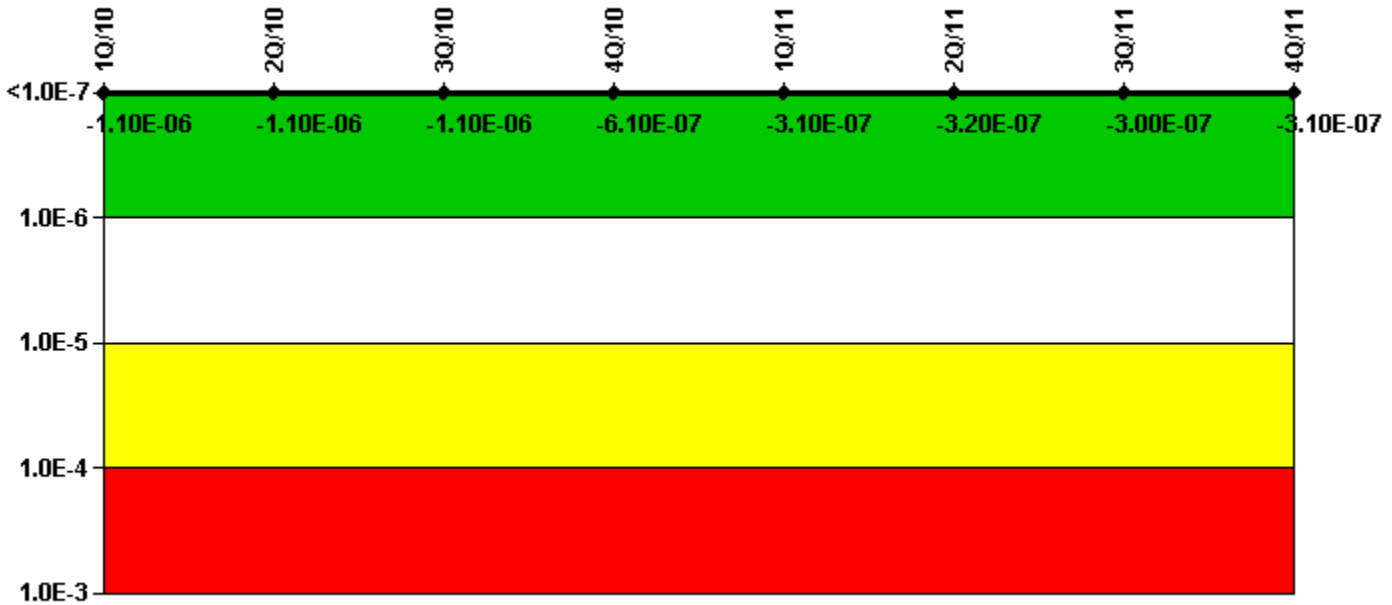
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

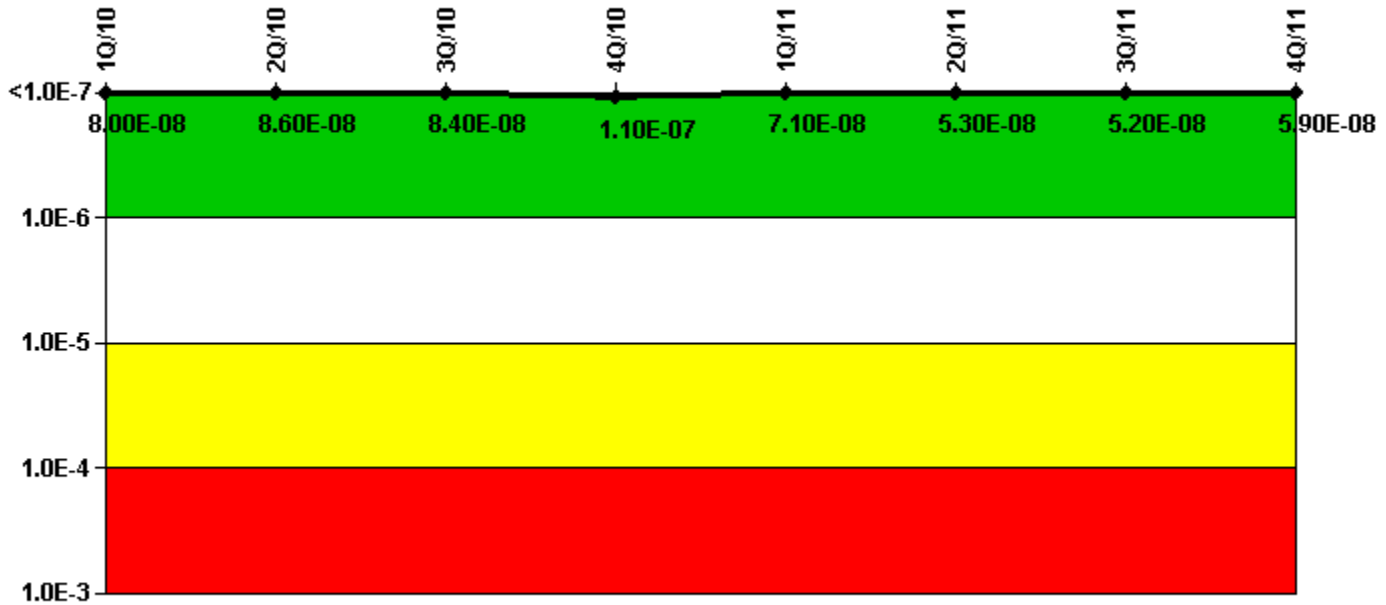
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-6.48E-08	-1.07E-07	-1.16E-07	-6.82E-08	-6.82E-08	-6.82E-08	-6.65E-08	-6.65E-08
URI (Δ CDF)	-1.06E-06	-1.03E-06	-1.01E-06	-5.45E-07	-2.44E-07	-2.53E-07	-2.30E-07	-2.42E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-06	-1.10E-06	-1.10E-06	-6.10E-07	-3.10E-07	-3.20E-07	-3.00E-07	-3.10E-07

Licensee Comments:

4Q/11: MSPI Basis Document Update-- PRA coefficients were changed for first quarter 2012 to reflect a PRA model update made because the KPS EDG overhauls were moved from an outage activity to an on-line activity. This added 168 hours per train of baseline unavailability for the 36 month window to the model. This change is reflected in the basis document. The basis document was revised to reflect FAQs 480, 482 and 484.

Mitigating Systems Performance Index, High Pressure Injection System



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

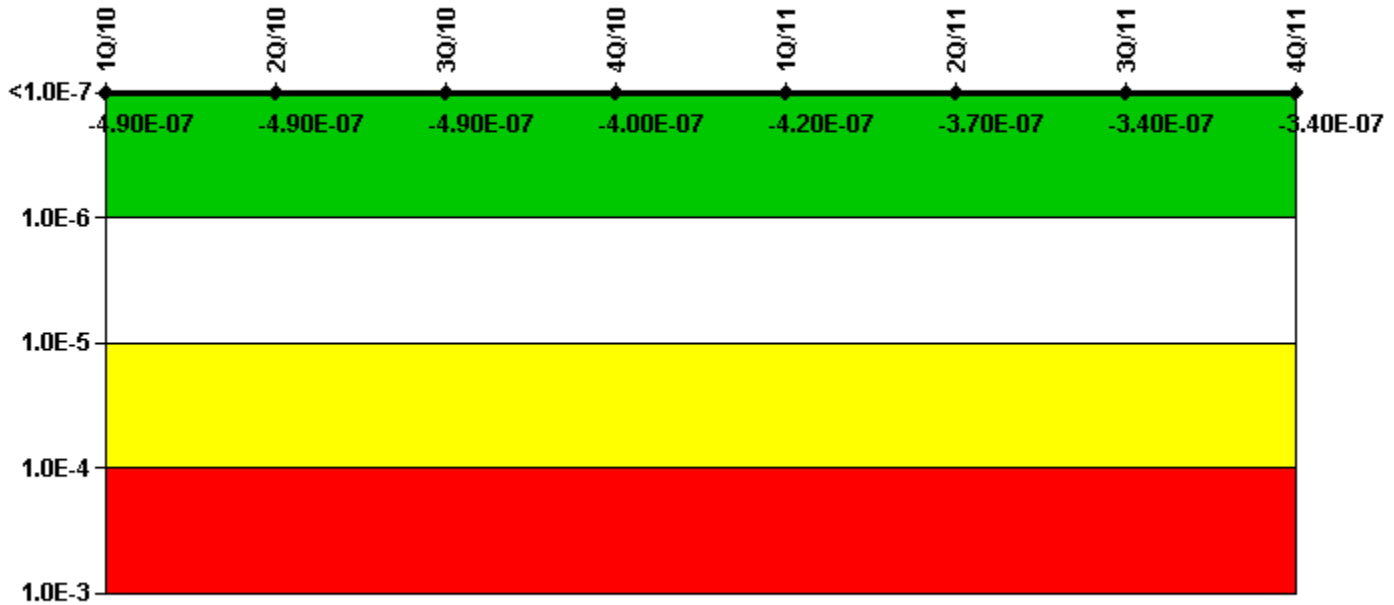
Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	1.00E-07	1.07E-07	1.04E-07	1.29E-07	9.35E-08	7.27E-08	7.08E-08	7.82E-08
URI (ΔCDF)	-2.08E-08	-2.10E-08	-2.04E-08	-2.06E-08	-2.26E-08	-2.00E-08	-1.91E-08	-1.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.00E-08	8.60E-08	8.40E-08	1.10E-07	7.10E-08	5.30E-08	5.20E-08	5.90E-08

Licensee Comments:

4Q/11: MSPI Basis Document Update-- PRA coefficients were changed for first quarter 2012 to reflect a PRA model update made because the KPS EDG overhauls were moved from an outage activity to an on-line activity. This added 168 hours per train of baseline unavailability for the 36 month window to the model. This change is reflected in the basis document. The basis document was revised to reflect FAQs 480, 482 and 484.

Mitigating Systems Performance Index, Heat Removal System



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

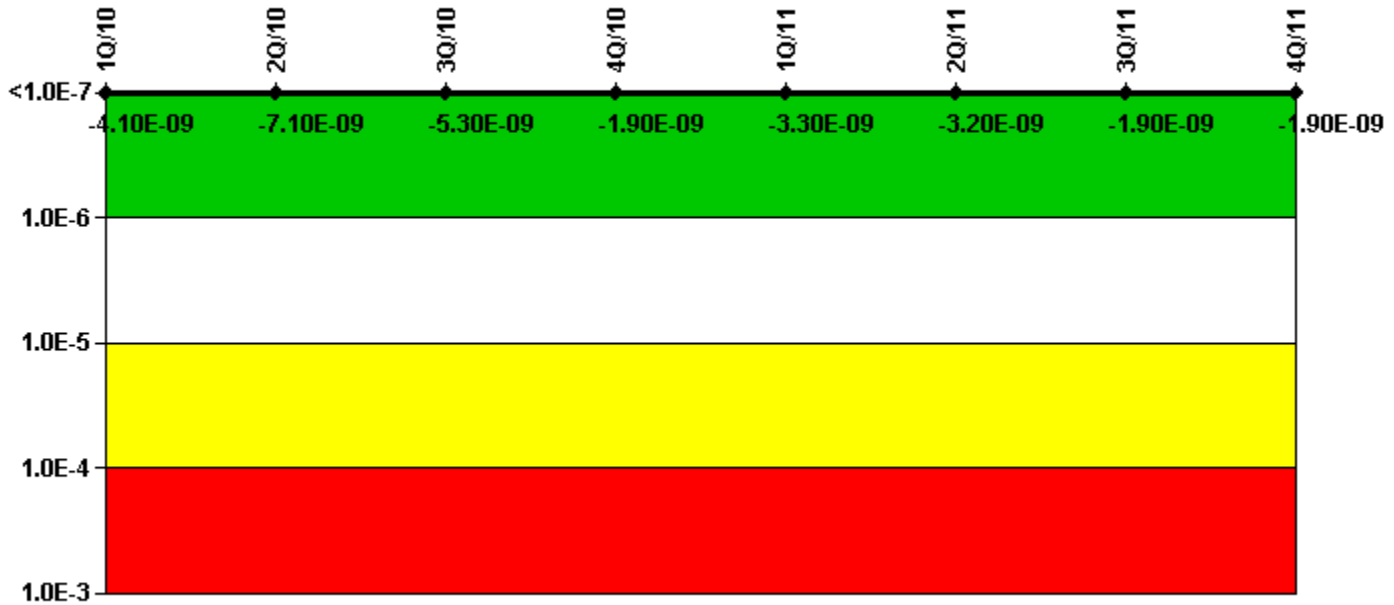
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-7.18E-08	-7.18E-08	-7.40E-08	-7.61E-08	-7.60E-08	-5.89E-08	-6.76E-08	-6.80E-08
URI (Δ CDF)	-4.17E-07	-4.14E-07	-4.20E-07	-3.27E-07	-3.46E-07	-3.14E-07	-2.72E-07	-2.75E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.90E-07	-4.90E-07	-4.90E-07	-4.00E-07	-4.20E-07	-3.70E-07	-3.40E-07	-3.40E-07

Licensee Comments:

4Q/11: MSPI Basis Document Update-- PRA coefficients were changed for first quarter 2012 to reflect a PRA model update made because the KPS EDG overhauls were moved from an outage activity to an on-line activity. This added 168 hours per train of baseline unavailability for the 36 month window to the model. This change is reflected in the basis document. The basis document was revised to reflect FAQs 480, 482 and 484.

Mitigating Systems Performance Index, Residual Heat Removal System



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

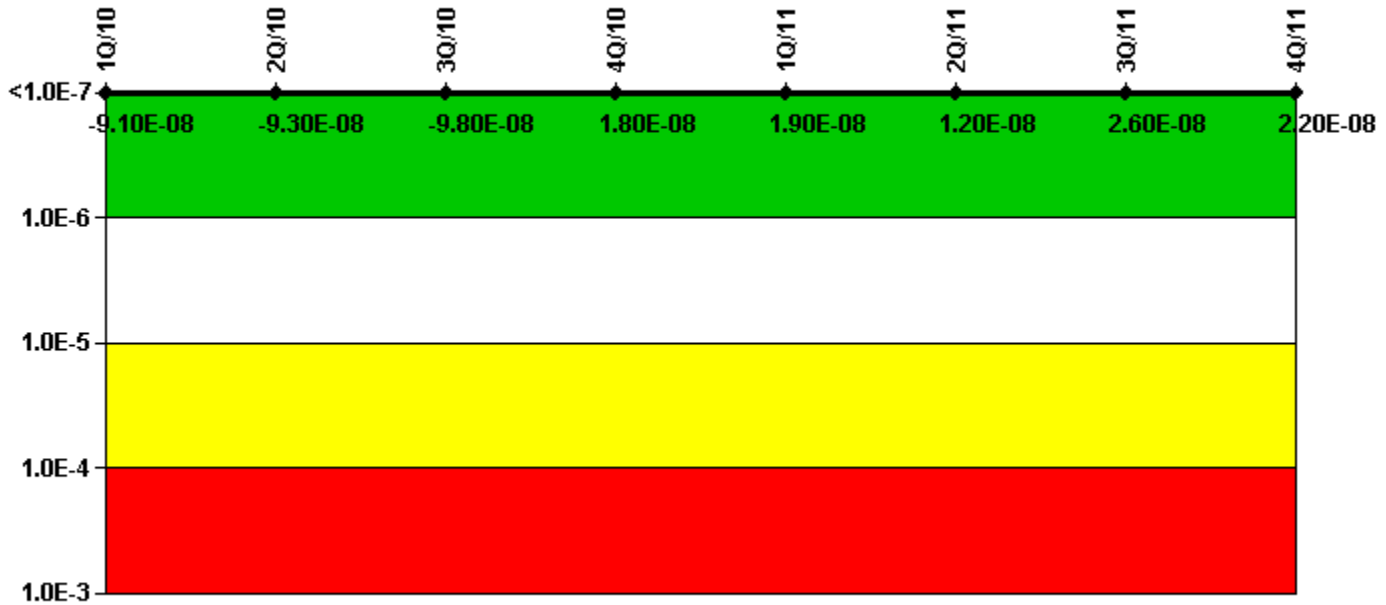
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	2.66E-08	2.45E-08	2.70E-08	4.32E-09	3.47E-09	3.10E-09	2.67E-09	2.62E-09
URI (Δ CDF)	-3.07E-08	-3.16E-08	-3.23E-08	-6.23E-09	-6.82E-09	-6.27E-09	-4.53E-09	-4.52E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-09	-7.10E-09	-5.30E-09	-1.90E-09	-3.30E-09	-3.20E-09	-1.90E-09	-1.90E-09

Licensee Comments:

4Q/11: MSPI Basis Document Update-- PRA coefficients were changed for first quarter 2012 to reflect a PRA model update made because the KPS EDG overhauls were moved from an outage activity to an on-line activity. This added 168 hours per train of baseline unavailability for the 36 month window to the model. This change is reflected in the basis document. The basis document was revised to reflect FAQs 480, 482 and 484.

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/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-4.32E-08	-4.55E-08	-4.94E-08	4.23E-08	4.30E-08	3.68E-08	5.06E-08	5.37E-08
URI (Δ CDF)	-4.78E-08	-4.75E-08	-4.81E-08	-2.41E-08	-2.45E-08	-2.44E-08	-2.44E-08	-3.16E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.10E-08	-9.30E-08	-9.80E-08	1.80E-08	1.90E-08	1.20E-08	2.60E-08	2.20E-08

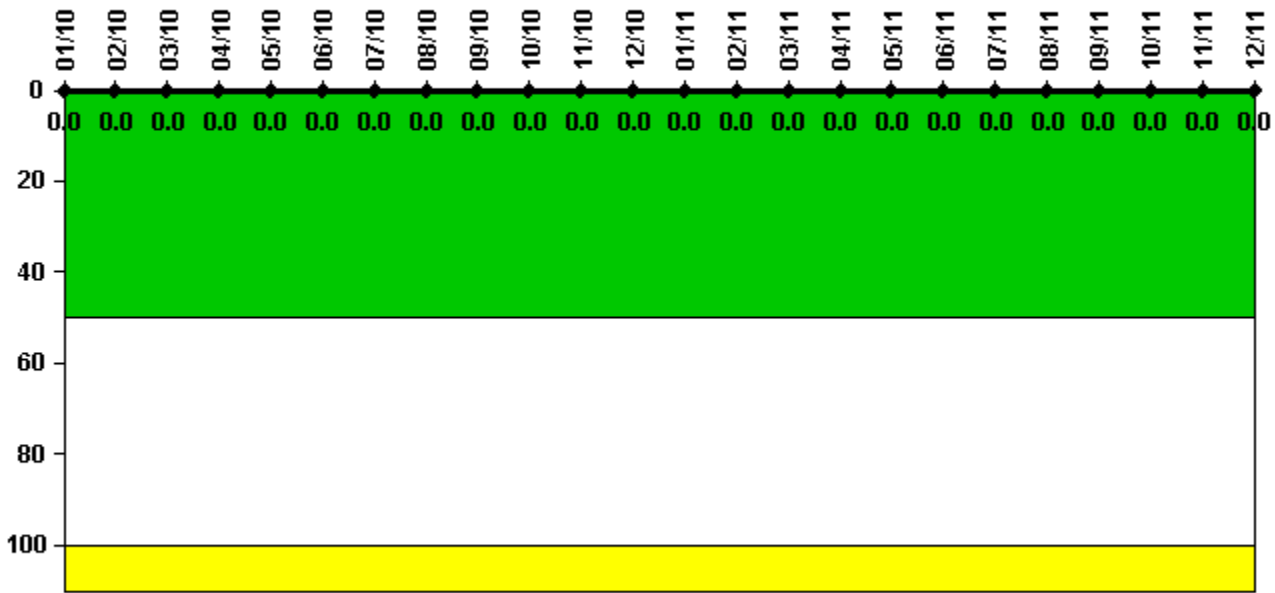
Licensee Comments:

4Q/11: MSPI Basis Document Update-- PRA coefficients were changed for first quarter 2012 to reflect a PRA model update made because the KPS EDG overhauls were moved from an outage activity to an on-line activity. This added 168 hours per train of baseline unavailability for the 36 month window to the model. This change is reflected in the basis document. The basis document was revised to reflect FAQs 480, 482 and 484.

3Q/11: There were 3.75 hours of Service Water (SW) out of service (OOS) time on 9/12/2011 that did not need to be counted for the SW system. The unavailability had been taken because the activity limited the ability to isolate the two trains of SW from each other, which is the safety related position. It was later found that the redundant train isolatin valve was closed during the entire activity, thus meeting the functional requirements. Removal of the 3.75 hours of unavailability for 3rd quarter 2011 did not impact te green color rating of the system.

2Q/11: One previously unidentified demand was added to May reliability data for monitored component SW-1306B. This change did not change the green color rating for the cooling water support system.

Reactor Coolant System Activity



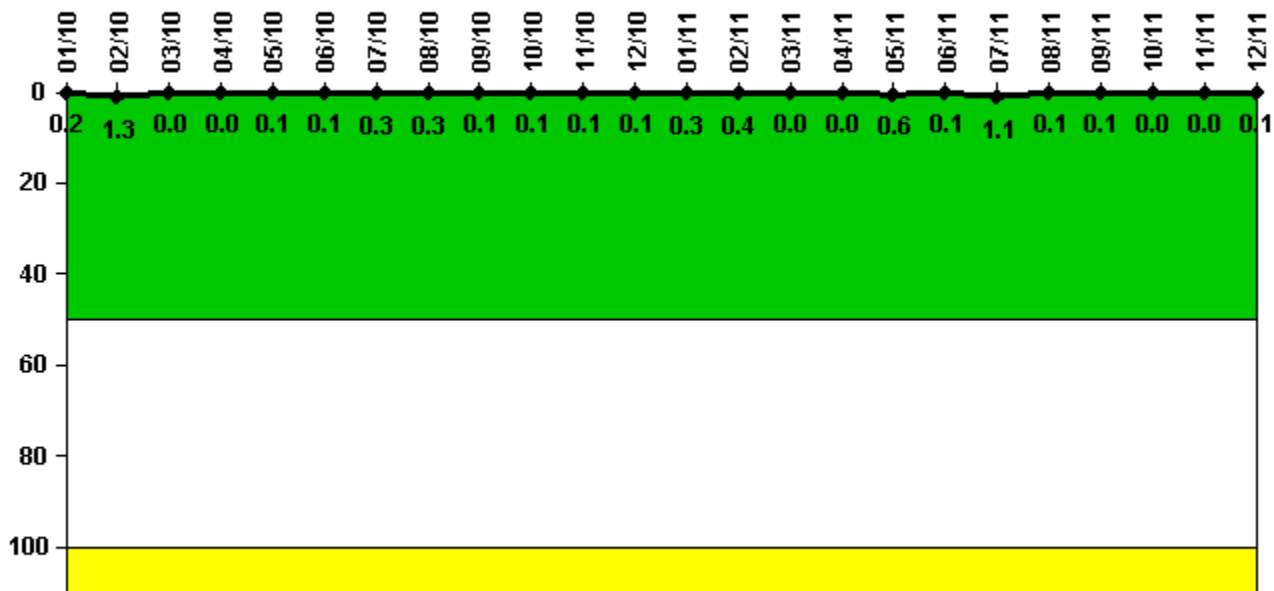
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum activity	0.000113	0.000117	0.000118	0.000124	0.000134	0.000223	0.000135	0.000135	0.000130	0.000129	0.000156	0.000141
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	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000154	0.000141	0.000059	0.000098	0.000097	0.000108	0.000106	0.000096	0.000099	0.000097	0.000112	0.000102
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

Licensee Comments: none

Reactor Coolant System Leakage



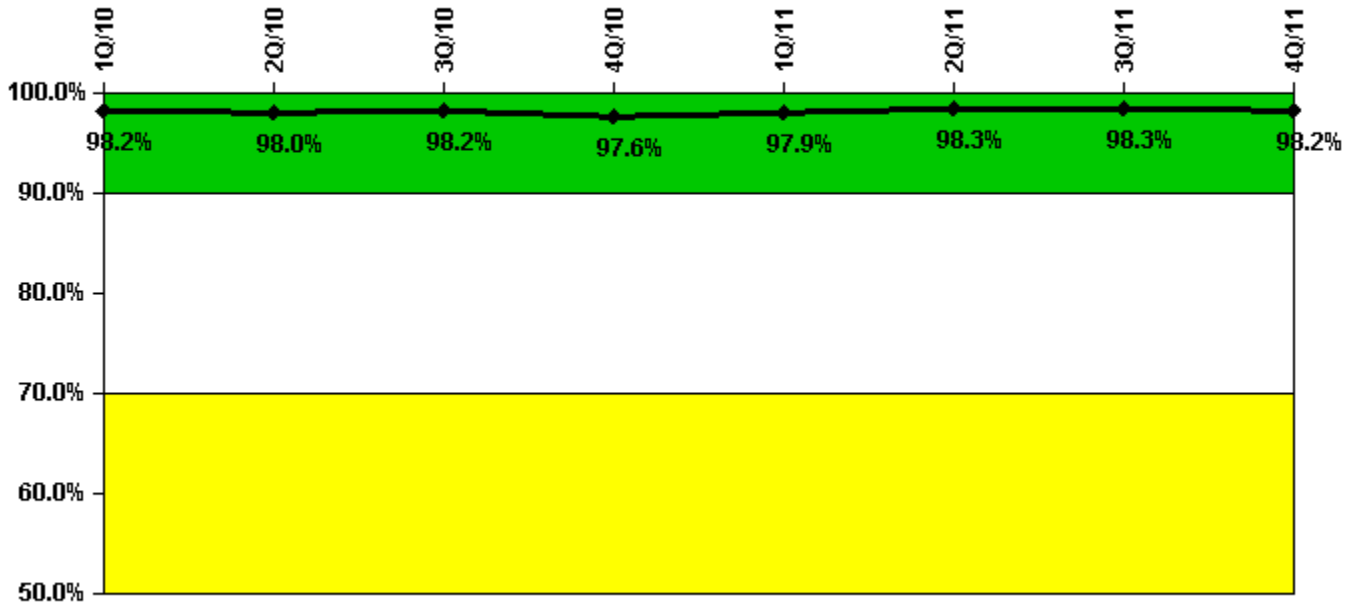
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.024	0.127	0.001	0.001	0.011	0.013	0.033	0.032	0.007	0.011	0.010	0.010
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	0.2	1.3	0	0	0.1	0.1	0.3	0.3	0.1	0.1	0.1	0.1
Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.030	0.042	0.002	0.003	0.058	0.014	0.106	0.012	0.009	0.003	0.003	0.007
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	0.3	0.4	0	0	0.6	0.1	1.1	0.1	0.1	0	0	0.1

Licensee Comments: none

Drill/Exercise Performance



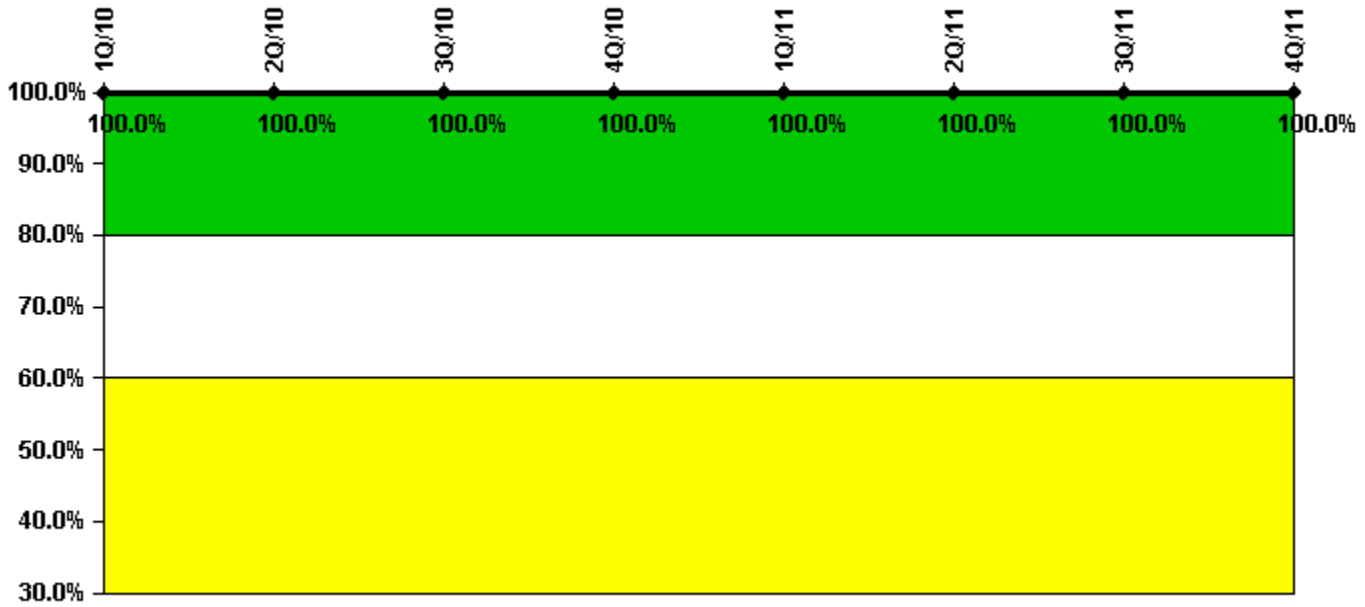
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	54.0	12.0	43.0	15.0	58.0	43.0	71.0	82.0
Total opportunities	55.0	12.0	45.0	16.0	58.0	44.0	72.0	83.0
Indicator value	98.2%	98.0%	98.2%	97.6%	97.9%	98.3%	98.3%	98.2%

Licensee Comments: none

ERO Drill Participation



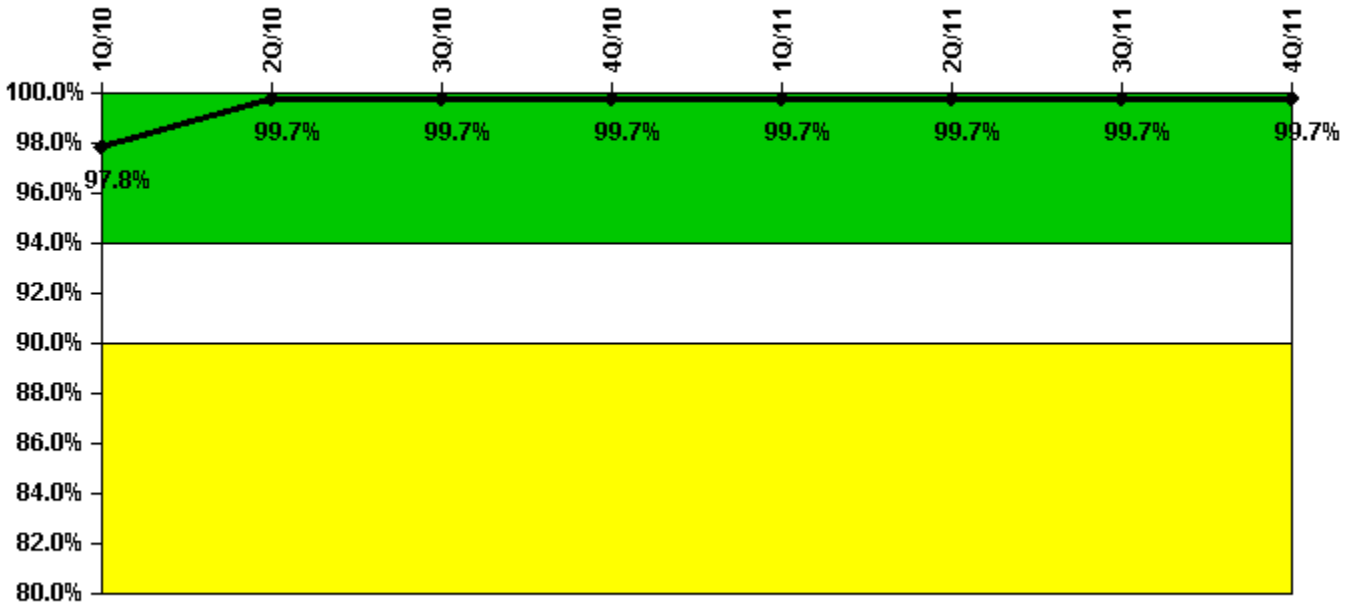
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	55.0	58.0	56.0	63.0	67.0	63.0	63.0	67.0
Total Key personnel	55.0	58.0	56.0	63.0	67.0	63.0	63.0	67.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

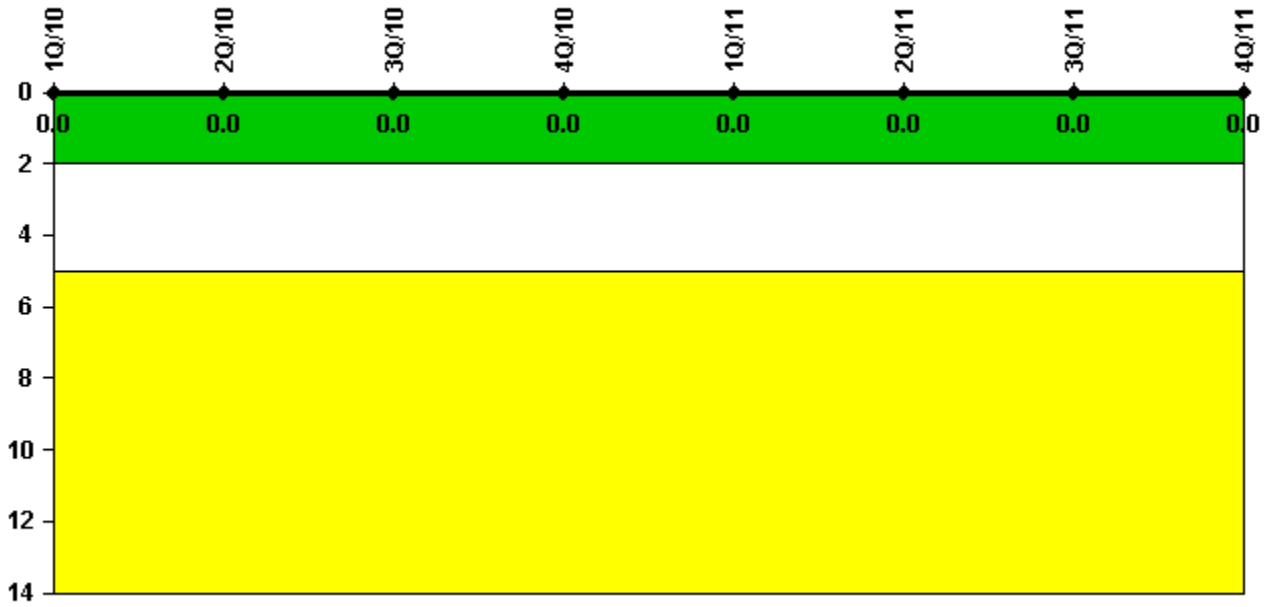
Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	78	78	77	78	78	78	77	78
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	97.8%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%

Licensee Comments:

4Q/11: On October 4, 2011, Kewaunee Power Station implemented it's new FEMA approved Siren System.

Occupational Exposure Control Effectiveness



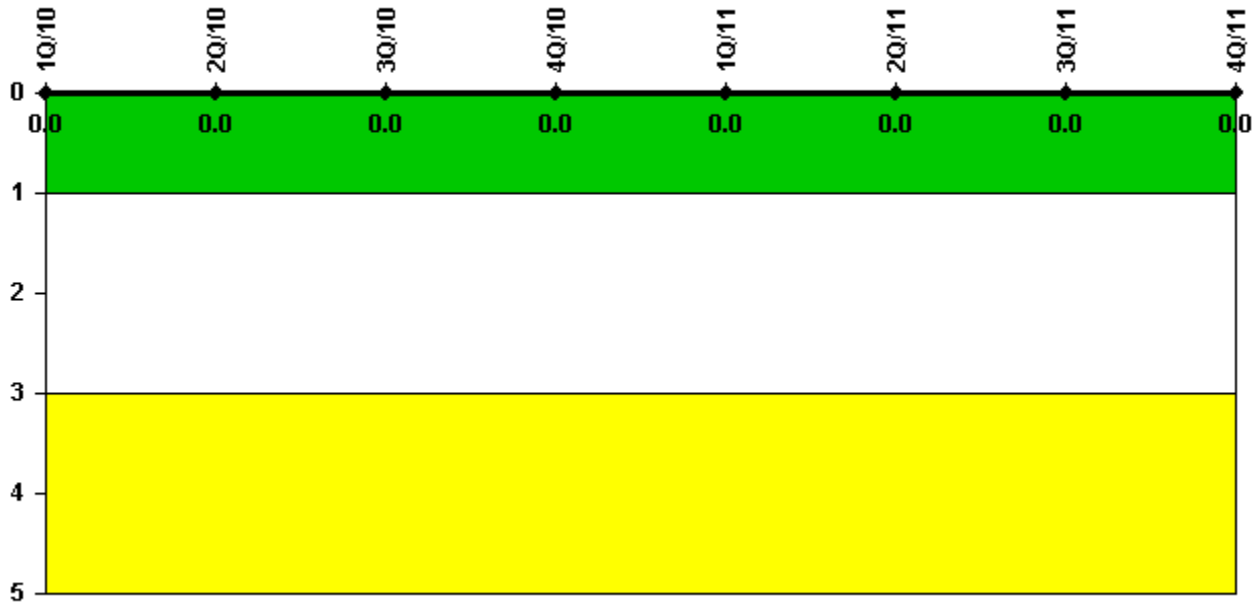
Thresholds: White > 2.0 Yellow > 5.0

Notes

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