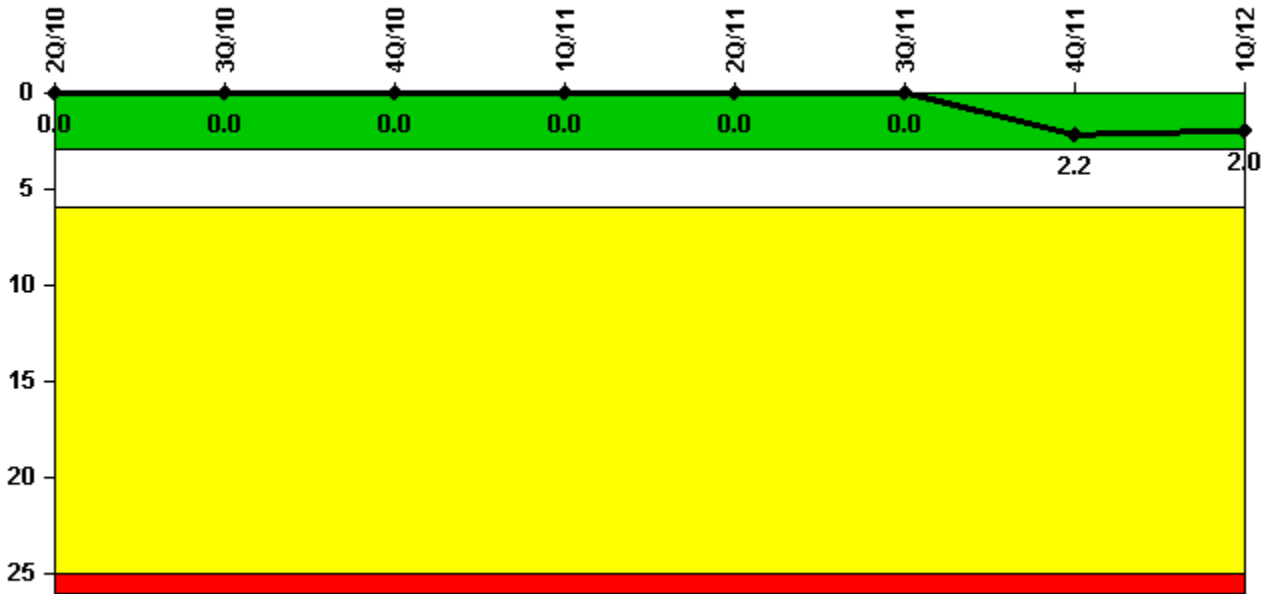


Monticello

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



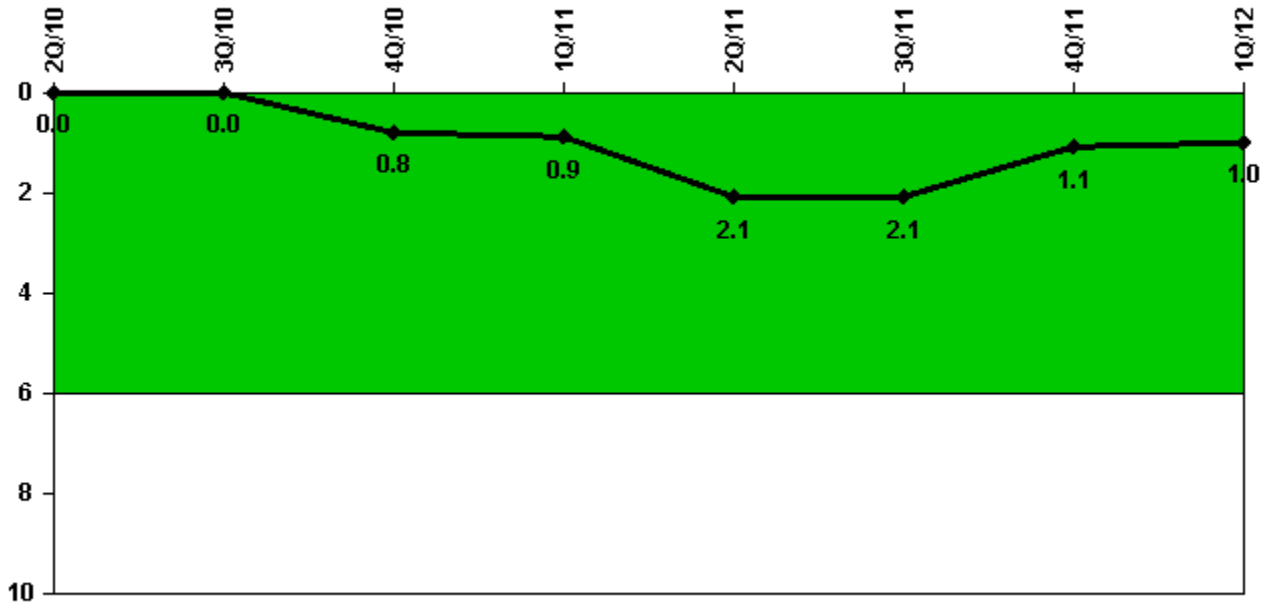
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0
Critical hours	2184.0	2208.0	2079.9	1514.7	888.5	2208.0	1638.9	2183.0
Indicator value	0	0	0	0	0	0	2.2	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



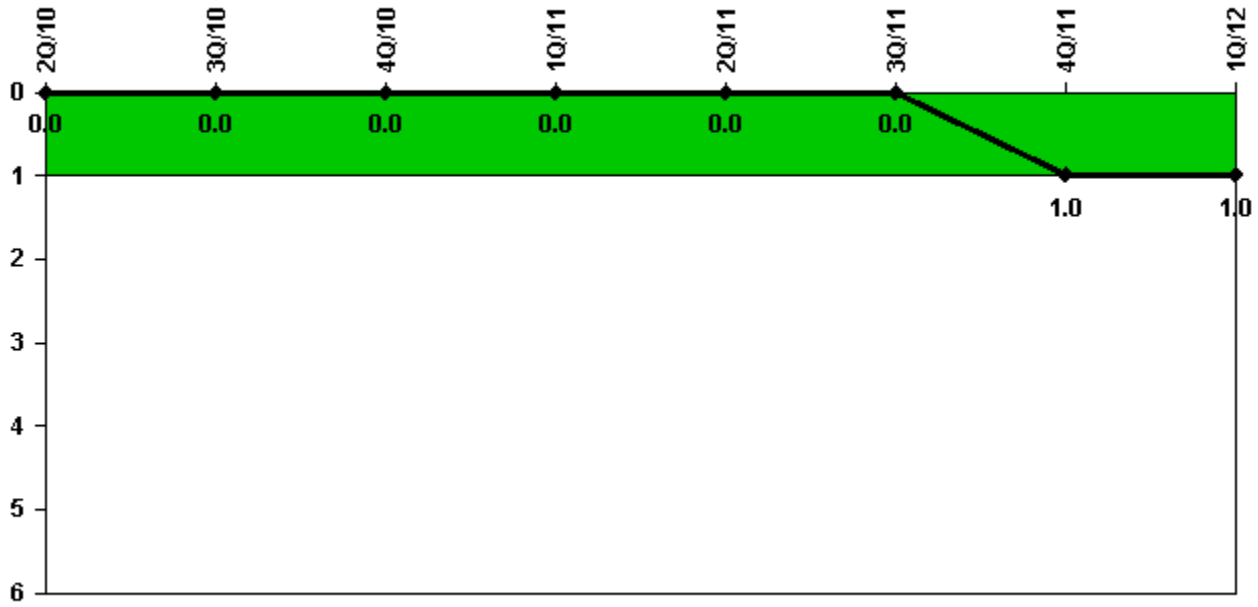
Thresholds: White > 6.0

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	1.0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2079.9	1514.7	888.5	2208.0	1638.9	2183.0
Indicator value	0	0	0.8	0.9	2.1	2.1	1.1	1.0

Licensee Comments: none

Unplanned Scrams with Complications



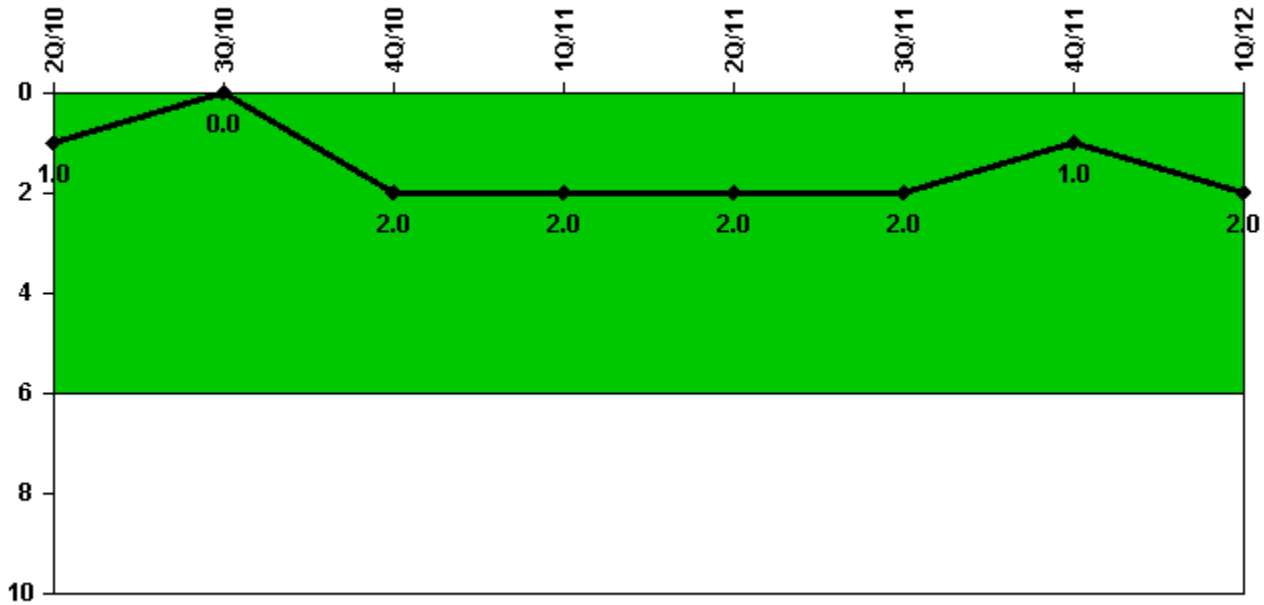
Thresholds: White > 1.0

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	1.0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0

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	2	0	0	0	1	1
Indicator value	1	0	2	2	2	2	1	2

Licensee Comments:

1Q/12: LER 2011-10

4Q/11: LER 2011-008

4Q/10: LER 2010-003, LER 2010-004, LER 2010-006. LER 2010-003 was previously submitted as a SSFF. A subsequent Secondary Containment Capability test -performed and evaluation confirmed that the Standby Gas Treatment system remained capable of performing its safety function in the plant configuration that existed on August 5, 2010, including consideration for penetrations that were or may have been open at the time. LER 2010-003, Supplement 1 was submitted to NRC on June 13, 2011. No color change affected.

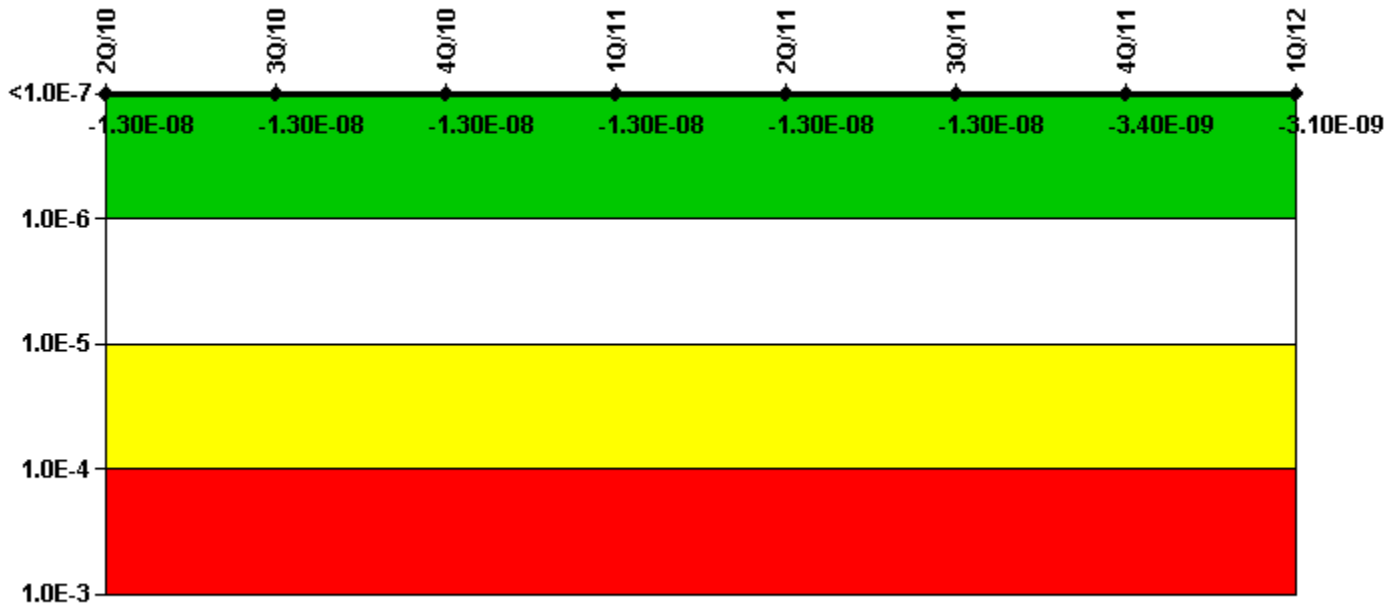
4Q/10: LER 2010-003, LER 2010-004, LER 2010-006

3Q/10: LER 2010-002

3Q/10: LER 2010-002. This LER was previously submitted as a SSFF. A subsequent Secondary Containment Capability test performed and evaluation confirmed that the Standby Gas Treatment system remained capable of performing its safety function in the plant configuration that existed on June 3, 2010, including consideration for penetrations that were or may have been open at the time. LER 2010-002, Supplement 1 was submitted to NRC on June 13, 2011. No color change affected.

3Q/10: LER 2010-002. This LER was previously submitted as a SSFF. A subsequent Secondary Containment Capability test performed and evaluation confirmed that the Standby Gas Treatment system remained capable of performing its safety function in the plant configuration that existed on June 30, 2010, including consideration for penetrations that were or may have been open at the time. LER 2010-002, Supplement 1 was submitted to NRC on June 13, 2011. No color change affected.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

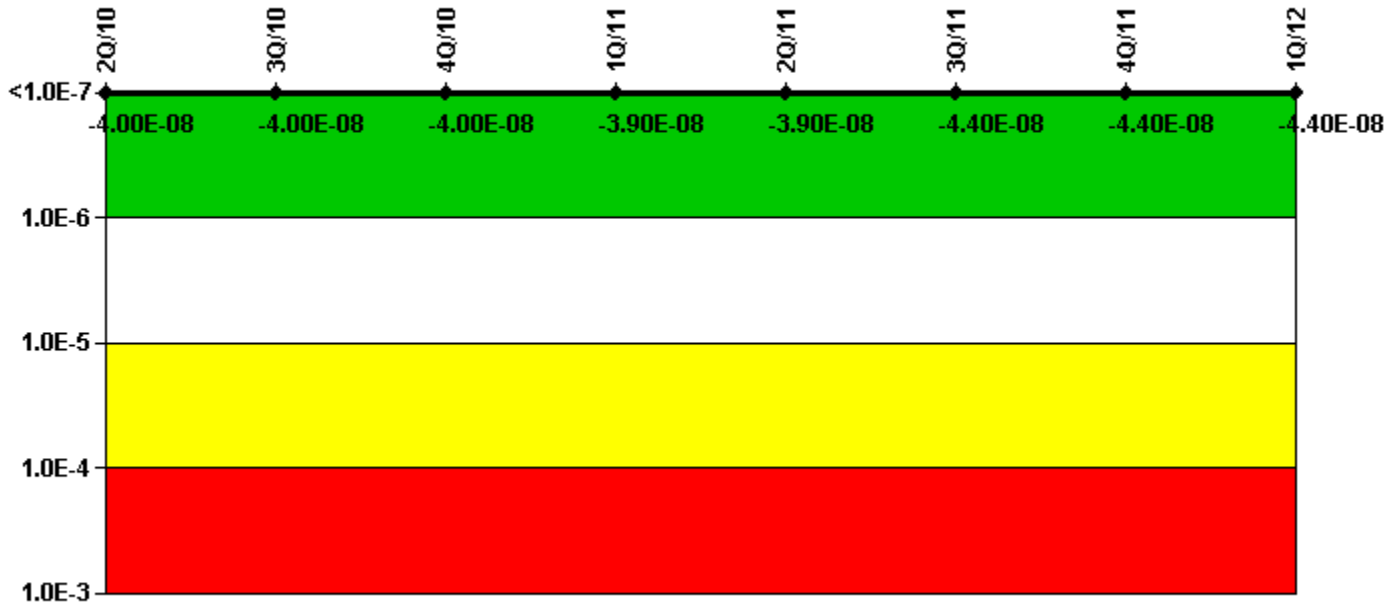
Mitigating Systems Performance Index, Emergency AC Power System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-1.58E-09	-1.58E-09	-1.58E-09	-1.58E-09	-1.58E-09	-1.58E-09	-1.18E-09	-1.19E-09
URI (Δ CDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.16E-08	-2.26E-09	-1.93E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-3.40E-09	-3.10E-09

Licensee Comments:

1Q/12: Emergency AC Power MSPI estimated run hours changed to align with new run hours definition per NRC Response to FAQ 11-06. Emergency AC Power MSPI estimated load run demands updated to correct latent error on A-EDG. No color change.

3Q/11: Updated MSPI Basis document on September 26, 2011 to incorporate changes from FAQ 11-07: Fuel Oil Transfer Pump Failures.

Mitigating Systems Performance Index, High Pressure Injection System



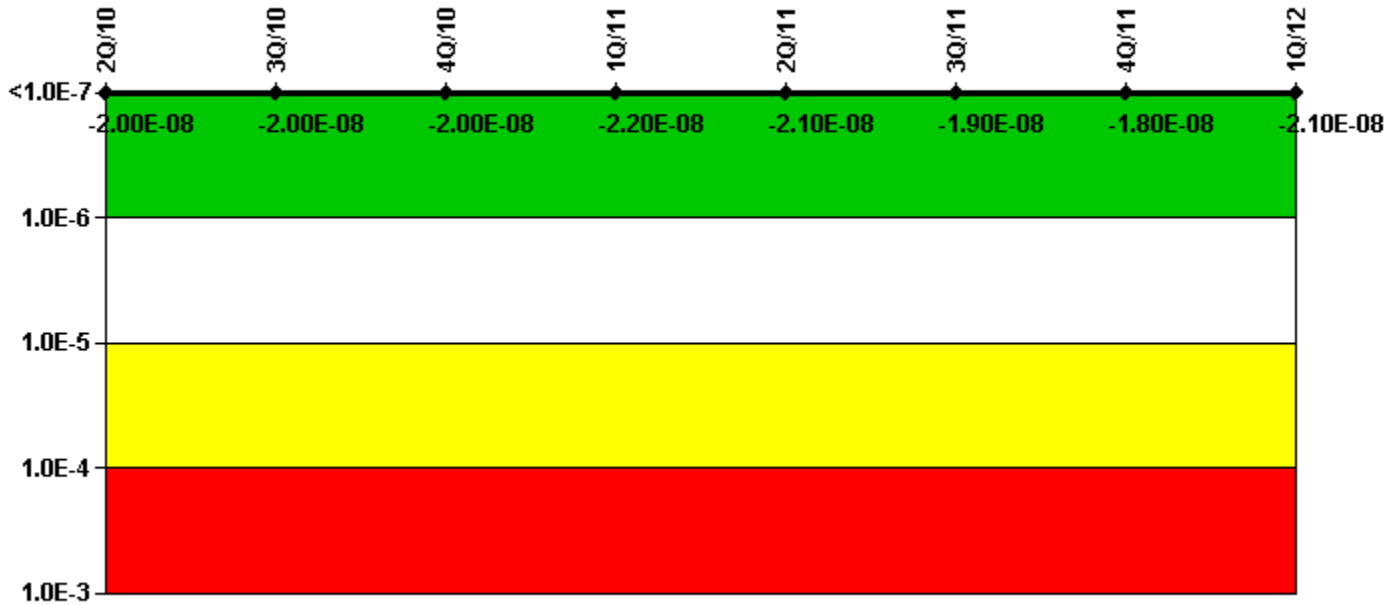
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.18E-08	-1.18E-08	-1.17E-08	-1.16E-08	-1.13E-08	-1.68E-08	-1.68E-08	-1.68E-08
URI (Δ CDF)	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.71E-08	-2.71E-08	-2.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-08	-4.00E-08	-4.00E-08	-3.90E-08	-3.90E-08	-4.40E-08	-4.40E-08	-4.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

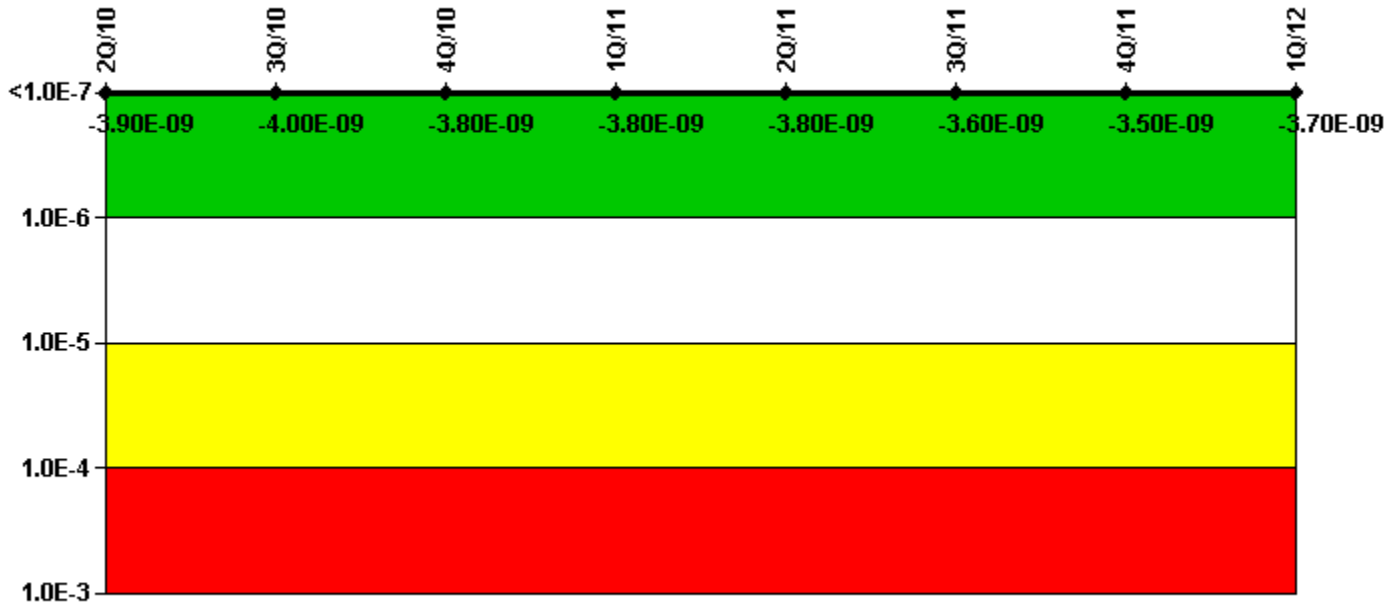
Notes

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)	2.34E-09	2.34E-09	2.43E-09	-2.66E-10	5.44E-10	2.31E-09	2.73E-09	2.63E-10
URI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.11E-08	-2.11E-08	-2.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-08	-2.00E-08	-2.00E-08	-2.20E-08	-2.10E-08	-1.90E-08	-1.80E-08	-2.10E-08

Licensee Comments:

3Q/11: Updated MSPI Basis document on September 26, 2011. Removed non-MSPI credited functions of RHR from the simplified system drawing.

Mitigating Systems Performance Index, Residual Heat Removal System



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

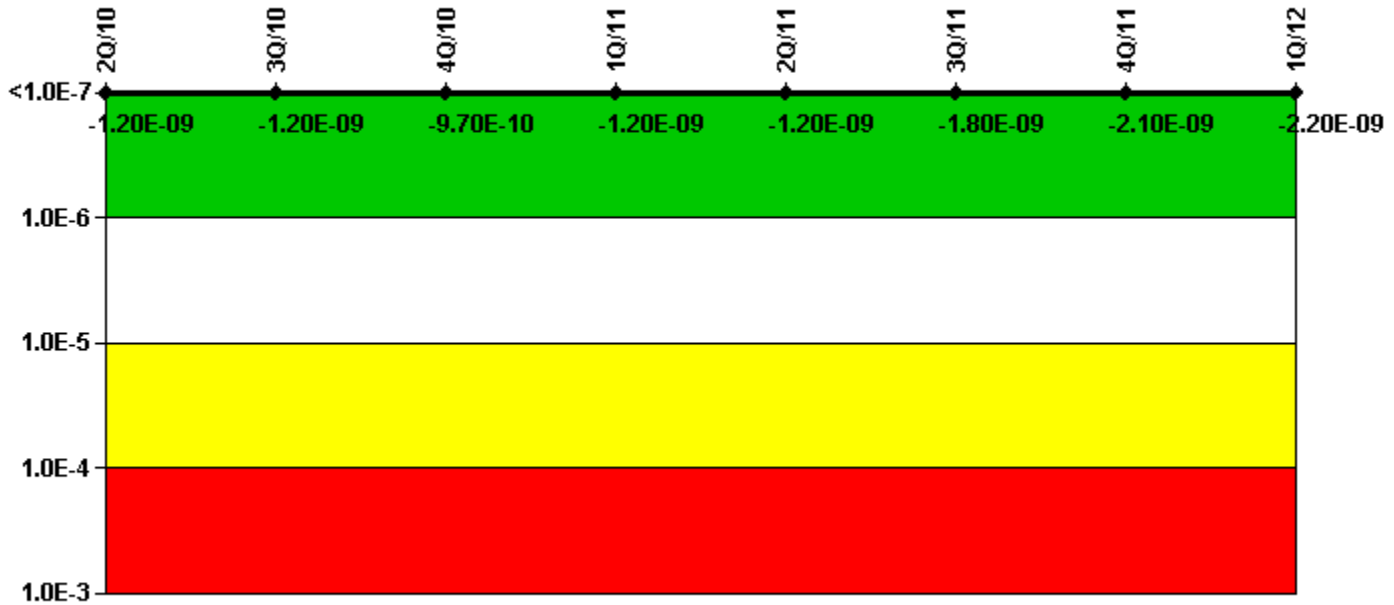
Notes

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)	-2.61E-10	-3.06E-10	-1.61E-10	-1.89E-10	-1.56E-10	-2.21E-11	9.74E-11	-7.79E-11
URI (Δ CDF)	-3.65E-09	-3.65E-09	-3.65E-09	-3.65E-09	-3.65E-09	-3.60E-09	-3.60E-09	-3.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-09	-4.00E-09	-3.80E-09	-3.80E-09	-3.80E-09	-3.60E-09	-3.50E-09	-3.70E-09

Licensee Comments:

3Q/11: Hours previously reported for August and September 2011 were conservative, no MSPI color change.

Mitigating Systems Performance Index, Cooling Water Systems



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

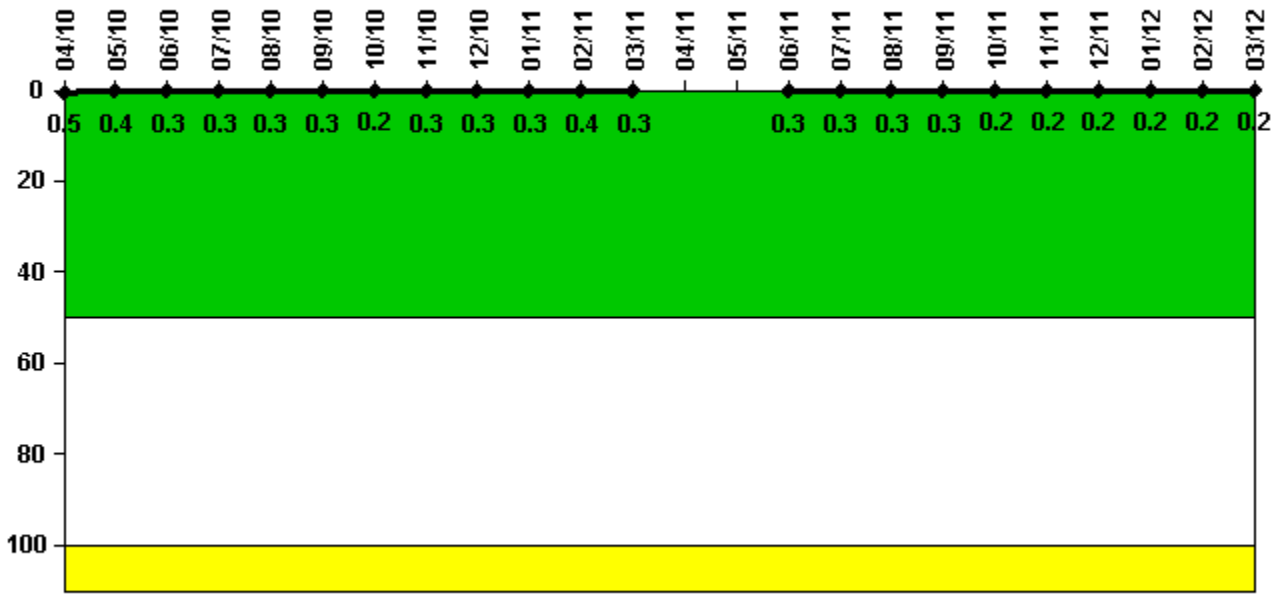
Notes

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)	-1.18E-09	-1.18E-09	-9.73E-10	-1.18E-09	-1.19E-09	-1.74E-09	-2.10E-09	-2.16E-09
URI (Δ CDF)	2.39E-12	2.39E-12	2.39E-12	-1.25E-11	-1.25E-11	-1.24E-11	-1.24E-11	-1.24E-11
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-09	-1.20E-09	-9.70E-10	-1.20E-09	-1.20E-09	-1.80E-09	-2.10E-09	-2.20E-09

Licensee Comments:

3Q/11: Updated MSPI Basis document on September 26, 2011. Updated RHRSW system boundaries to exclude SV-4397A, SV-4397B, PCV-3004, and PCV-3005. The listed valves had their internals removed.

Reactor Coolant System Activity



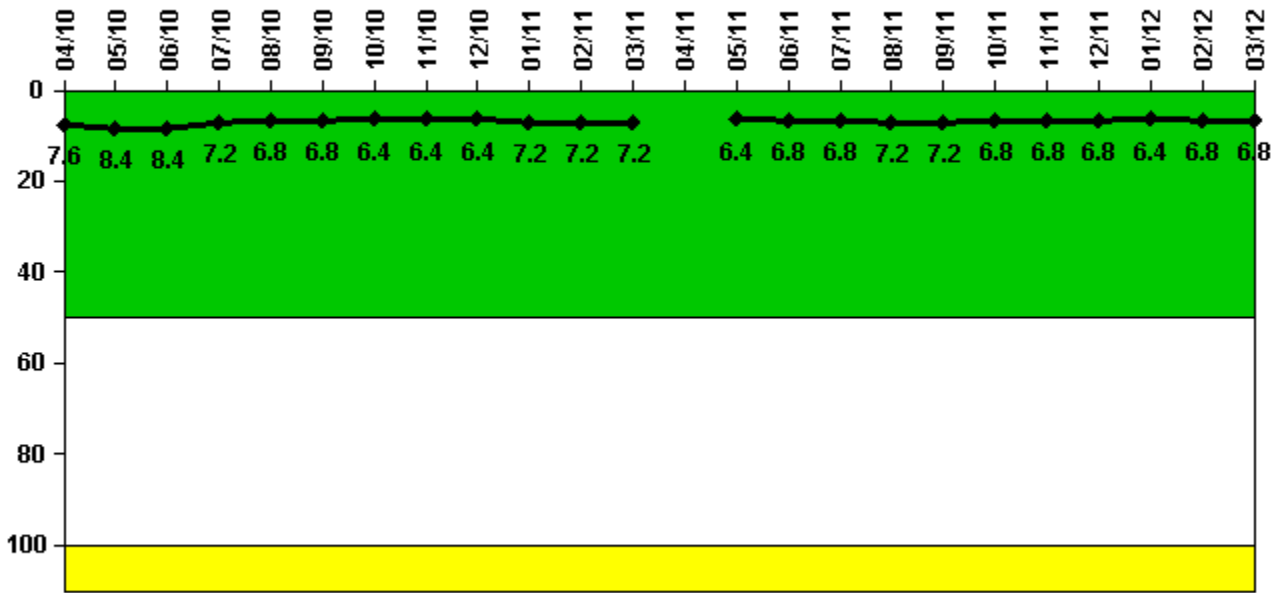
Thresholds: White > 50.0 Yellow > 100.0

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	0.000943	0.000823	0.000607	0.000509	0.000628	0.000544	0.000489	0.000620	0.000621	0.000662	0.000704	0.000590
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	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.3
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	N/A	N/A	0.000568	0.000554	0.000535	0.000511	0.000472	0.000472	0.000482	0.000466	0.000420	0.000346
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	N/A	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



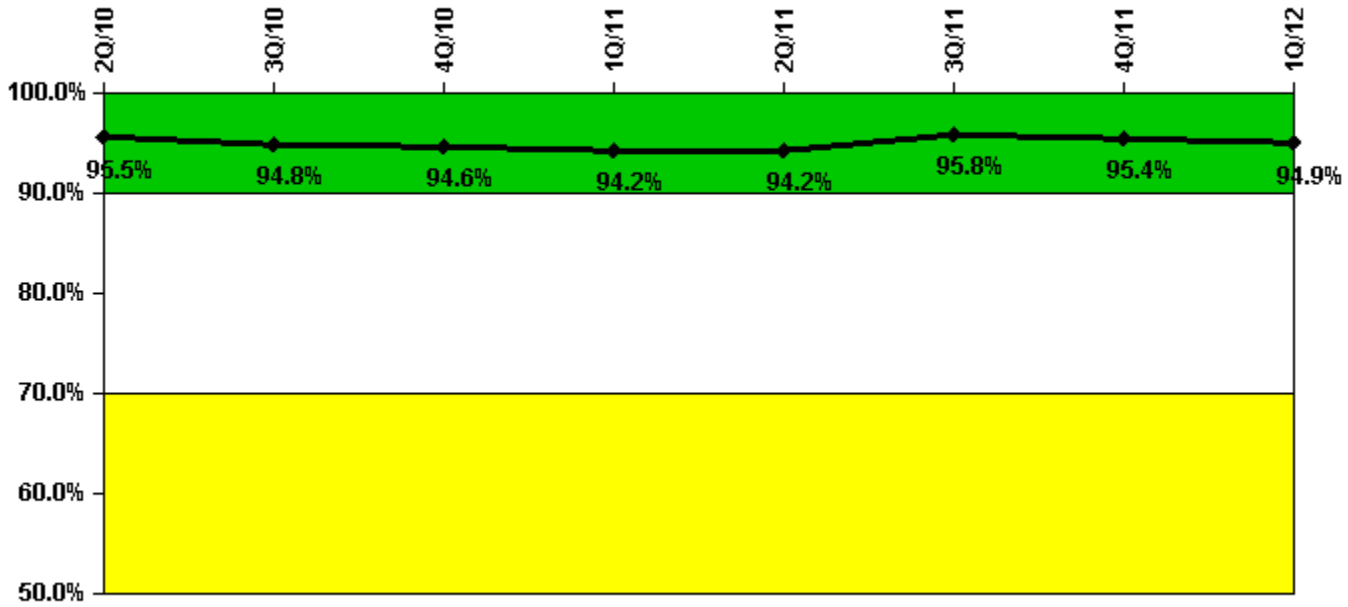
Thresholds: White > 50.0 Yellow > 100.0

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	1.900	2.100	2.100	1.800	1.700	1.700	1.600	1.600	1.600	1.800	1.800	1.800
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	7.6	8.4	8.4	7.2	6.8	6.8	6.4	6.4	6.4	7.2	7.2	7.2
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	N/A	1.600	1.700	1.700	1.800	1.800	1.700	1.700	1.700	1.600	1.700	1.700
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	N/A	6.4	6.8	6.8	7.2	7.2	6.8	6.8	6.8	6.4	6.8	6.8

Licensee Comments: none

Drill/Exercise Performance



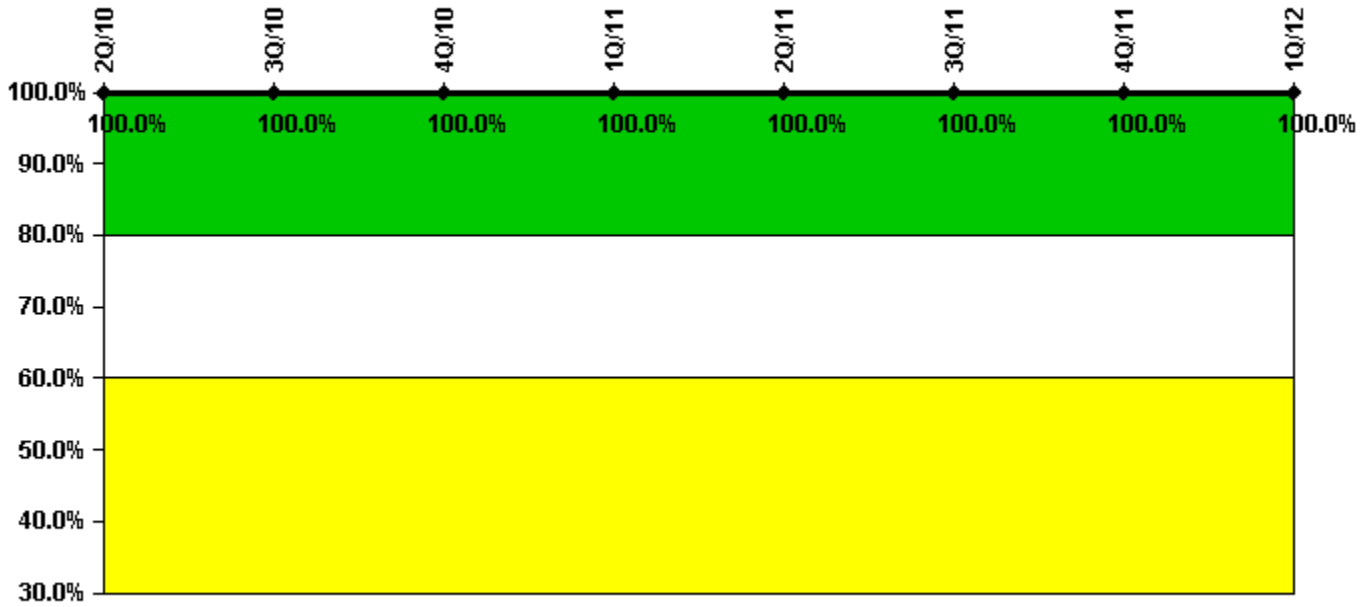
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	30.0	41.0	16.0	18.0	17.0	62.0	49.0	45.0
Total opportunities	31.0	43.0	17.0	19.0	17.0	67.0	52.0	47.0
Indicator value	95.5%	94.8%	94.6%	94.2%	94.2%	95.8%	95.4%	94.9%

Licensee Comments: none

ERO Drill Participation



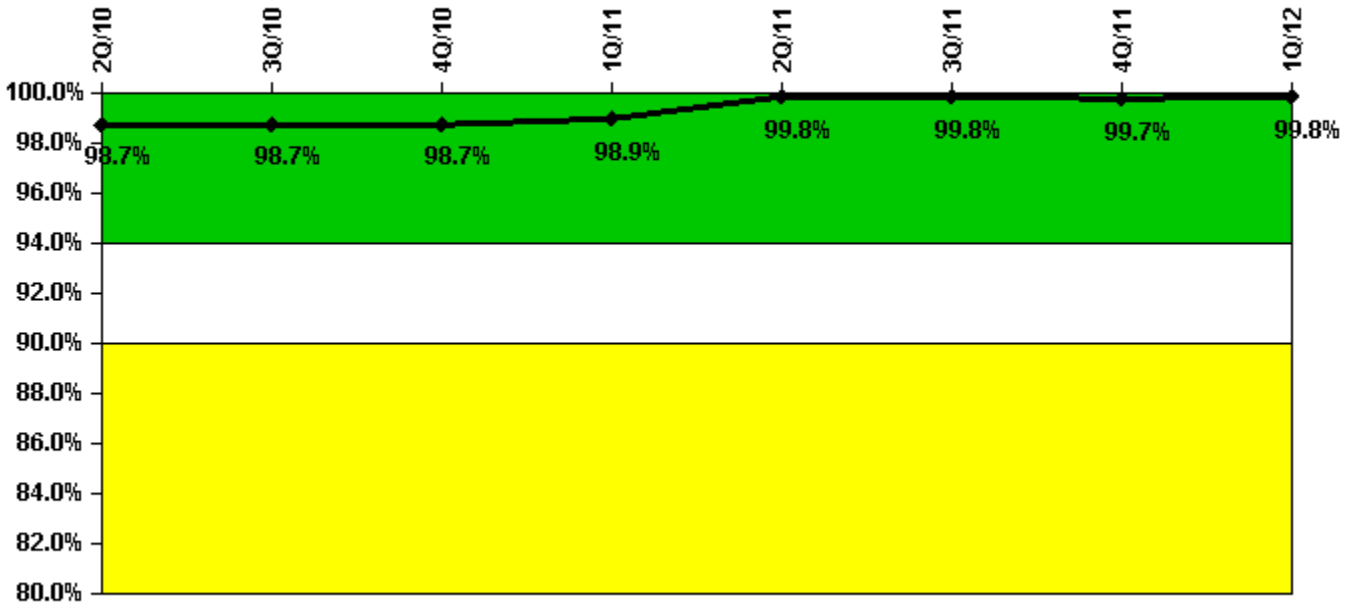
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	145.0	138.0	136.0	145.0	146.0	143.0	148.0	146.0
Total Key personnel	145.0	138.0	136.0	145.0	146.0	143.0	148.0	146.0
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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	1327	1375	1376	1373	1377	1373	1375	1374
Total sirens-tests	1378	1378	1378	1378	1378	1378	1378	1378
Indicator value	98.7%	98.7%	98.7%	98.9%	99.8%	99.8%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



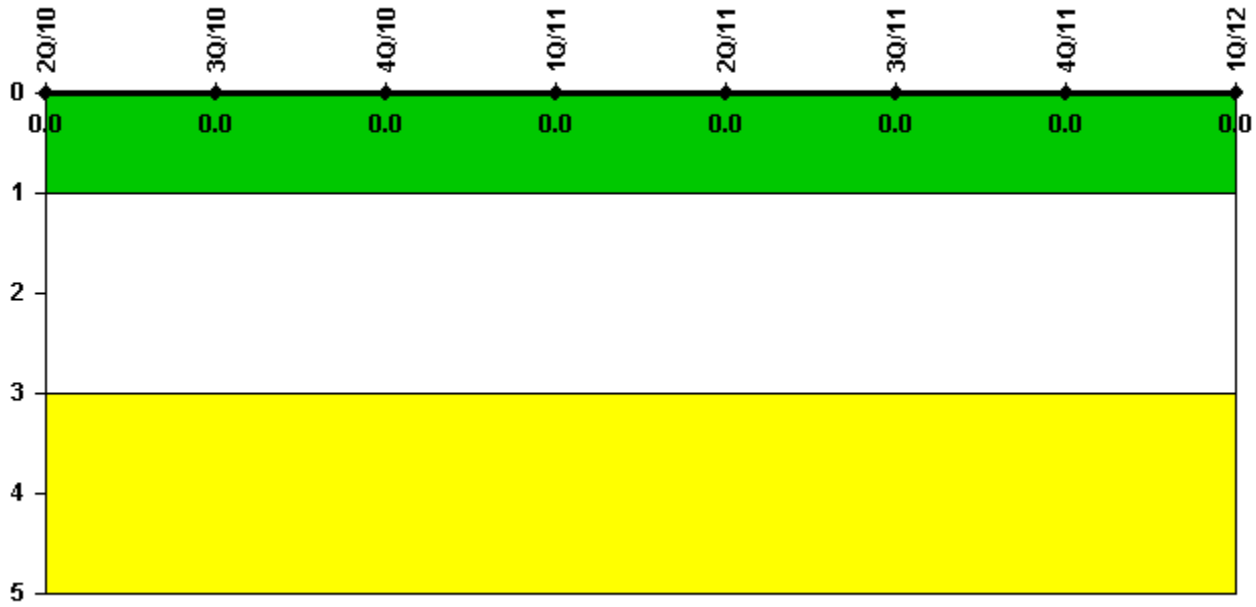
Thresholds: White > 2.0 Yellow > 5.0

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.