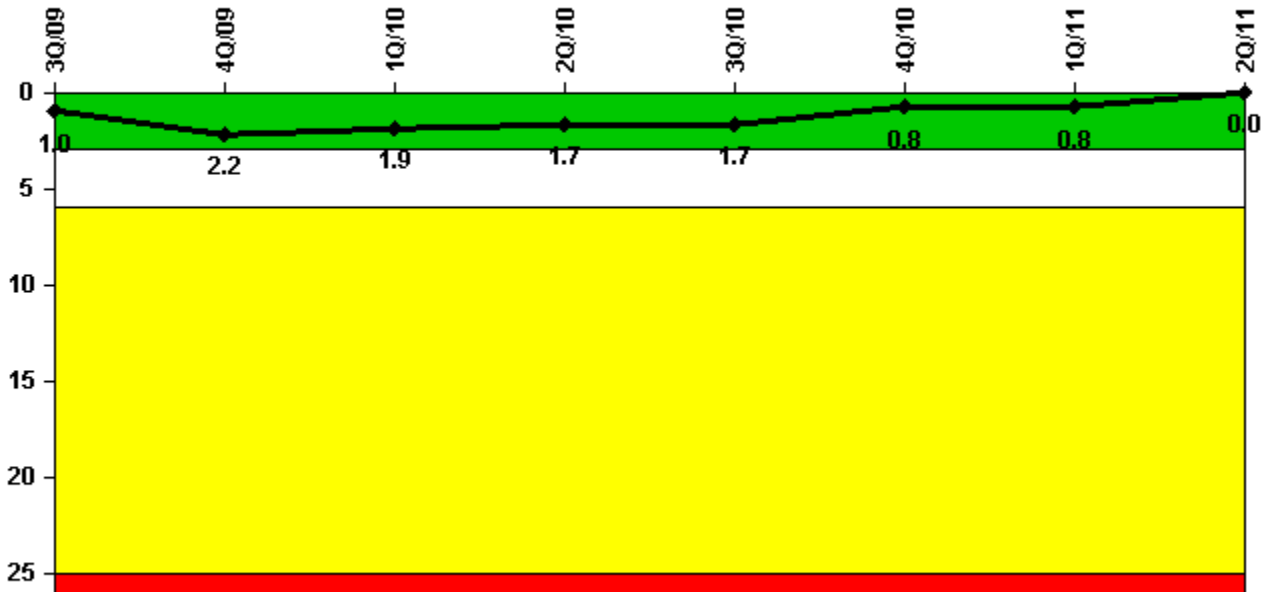


Perry 1

2Q/2011 Performance Indicators

Licensee's General Comments: Change file submitted for OR01 only. (MSPI elements were created in error.)

Unplanned Scrams per 7000 Critical Hrs



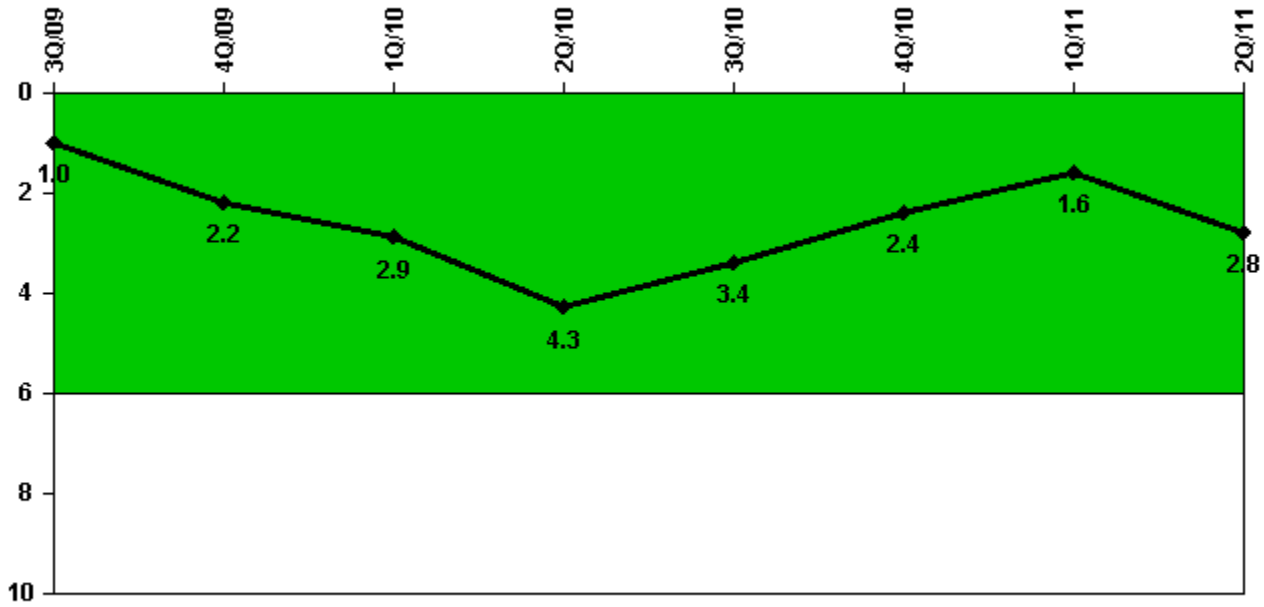
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	1.0	0	1.0	0	0	0	0
Critical hours	2208.0	1801.9	2159.0	2049.3	2208.0	2209.0	2159.0	1022.4
Indicator value	1.0	2.2	1.9	1.7	1.7	0.8	0.8	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	1.0	1.0	1.0	2.0	0	0	0	3.0
Critical hours	2208.0	1801.9	2159.0	2049.3	2208.0	2209.0	2159.0	1022.4
Indicator value	1.0	2.2	2.9	4.3	3.4	2.4	1.6	2.8

Licensee Comments: none

Unplanned Scrams with Complications



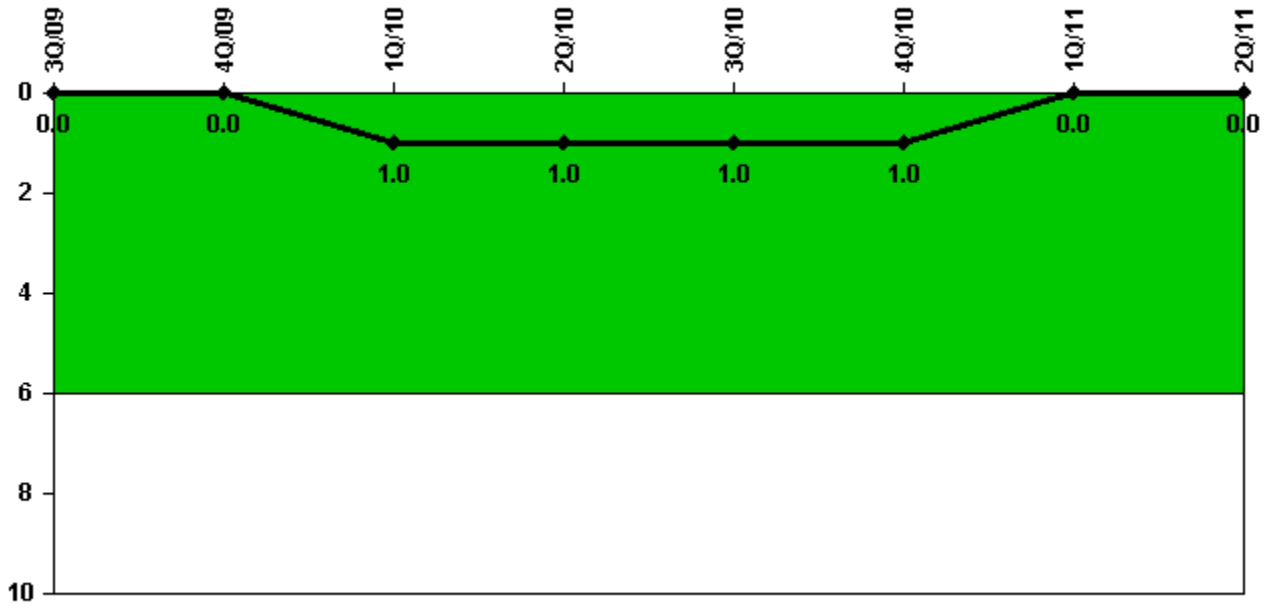
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/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 (BWR)



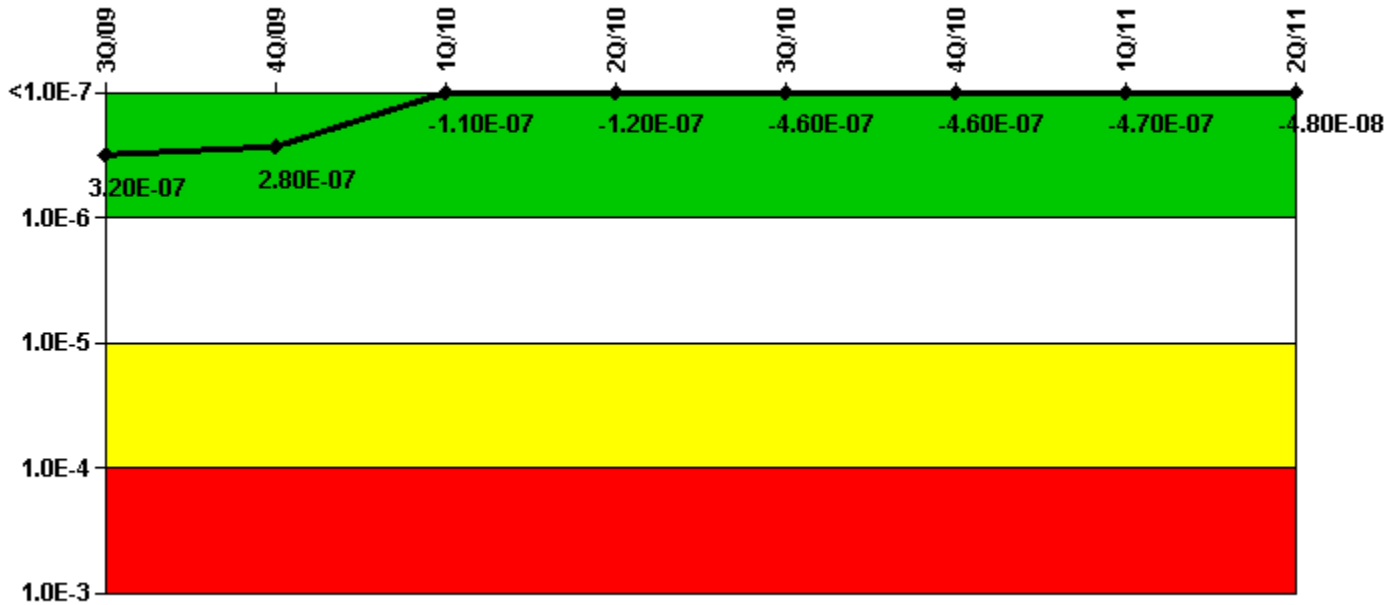
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	0	0	1	1	1	1	0	0

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	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	3.54E-08	-2.85E-09	1.06E-07	1.01E-07	7.68E-08	8.43E-08	6.67E-08	1.23E-08
URI (ΔCDF)	2.84E-07	2.84E-07	-2.16E-07	-2.16E-07	-5.41E-07	-5.41E-07	-5.41E-07	-6.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.20E-07	2.80E-07	-1.10E-07	-1.20E-07	-4.60E-07	-4.60E-07	-4.70E-07	-4.80E-08

Licensee Comments:

2Q/11: Changed PRA Parameter(s).

4Q/10: Changed PRA Parameter(s).

3Q/10: Changed PRA Parameter(s).

2Q/10: Changed PRA Parameter(s).

1Q/10: Changed PRA Parameter(s).

4Q/09: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/09: Risk Cap Invoked. Changed PRA Parameter(s).

2Q/09: Risk Cap Invoked. Changed PRA Parameter(s).

1Q/09: Risk Cap Invoked. Changed PRA Parameter(s). Corrected February 2009 Unplanned Unavailable hours for the Division 2 EDG to 1.87 hours from 0.00 hours initially reported, due to EDG inoperability during fire protection CO2 testing on 02/04/09. Reference LER 2009-002 (PY). Correction reported in Q3 2009 PI data submittal. PI color is green and is not changed by this correction.

4Q/08: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/08: Risk Cap Invoked. Changed PRA Parameter(s).

2Q/08: Risk Cap Invoked. Changed PRA Parameter(s).

1Q/08: Risk Cap Invoked. Changed PRA Parameter(s).

4Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

2Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

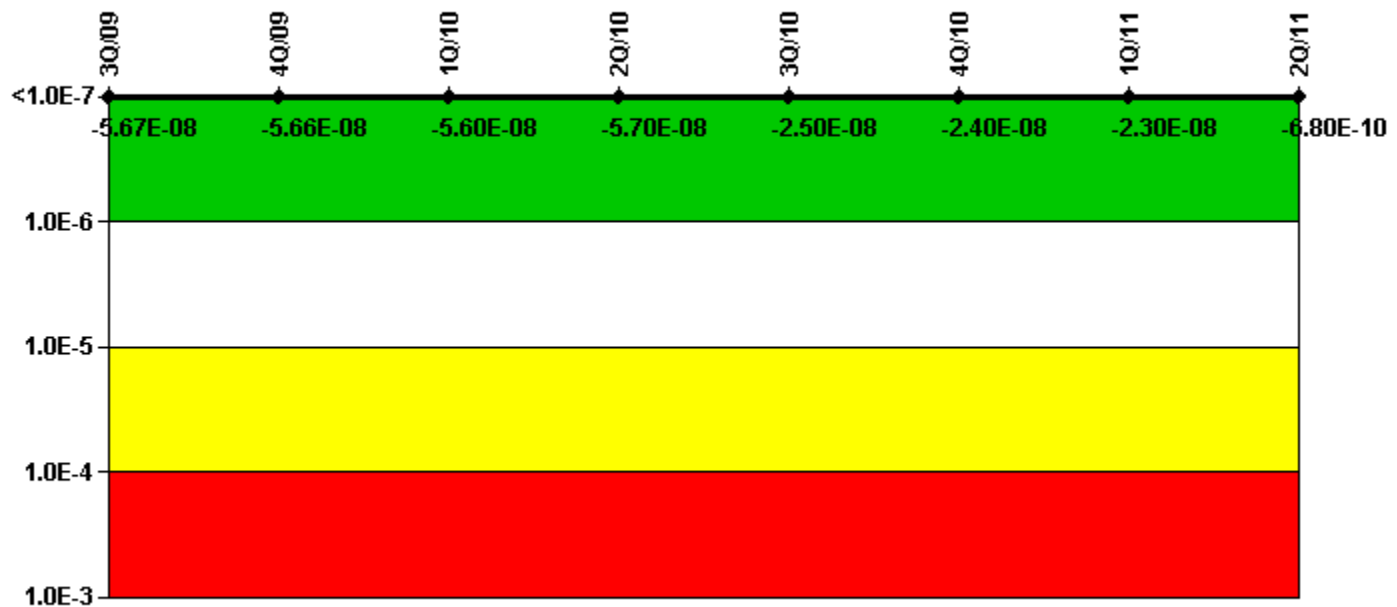
1Q/07: Risk Cap Invoked. Changed PRA Parameter(s). A diesel engine coolant leak during a January 2007 surveillance was determined to be a fail-to-run event. Continued operation, with the leak, for the diesel engine mission time could not be assured without operator intervention. The January failure caused the Emergency AC Power indicator to transition from green to white.

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s). Development of Mitigating Systems Performance Index (MSPI) Basis Document, Revision 3, included correction to the Cycle 11 Probabilistic Risk Assessment (PRA) model and has resulted in greater than minor effects on the MSPI indicator values in the second quarter 2006, for Emergency AC Power System. The Emergency AC Power System indicator changed from green to white for the second quarter 2006, and then returned to green for the third quarter 2006. An FAQ has been submitted to NEI to address incorporation of the PRA parameters.

Mitigating Systems Performance Index, High Pressure Injection System



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

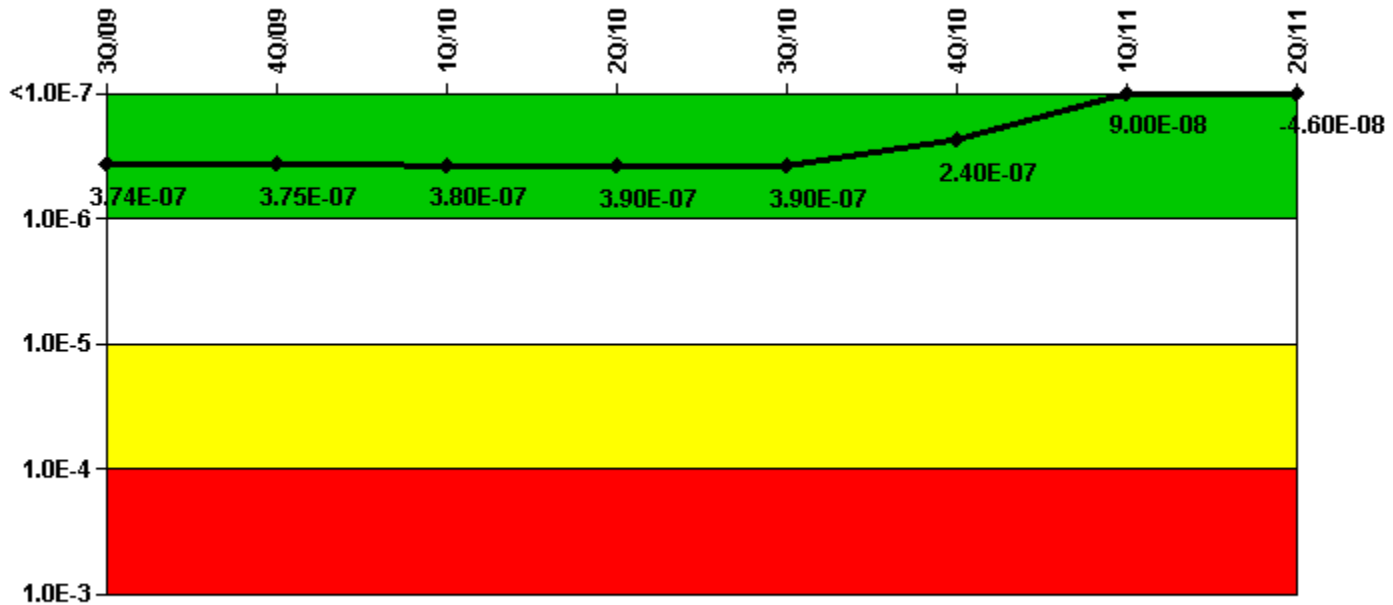
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	3.50E-10	4.10E-10	4.10E-10	2.26E-10	3.18E-08	3.20E-08	3.27E-08	6.19E-08
URI (Δ CDF)	-5.70E-08	-5.70E-08	-5.69E-08	-5.69E-08	-5.69E-08	-5.57E-08	-5.57E-08	-6.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.67E-08	-5.66E-08	-5.60E-08	-5.70E-08	-2.50E-08	-2.40E-08	-2.30E-08	-6.80E-10

Licensee Comments:

2Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

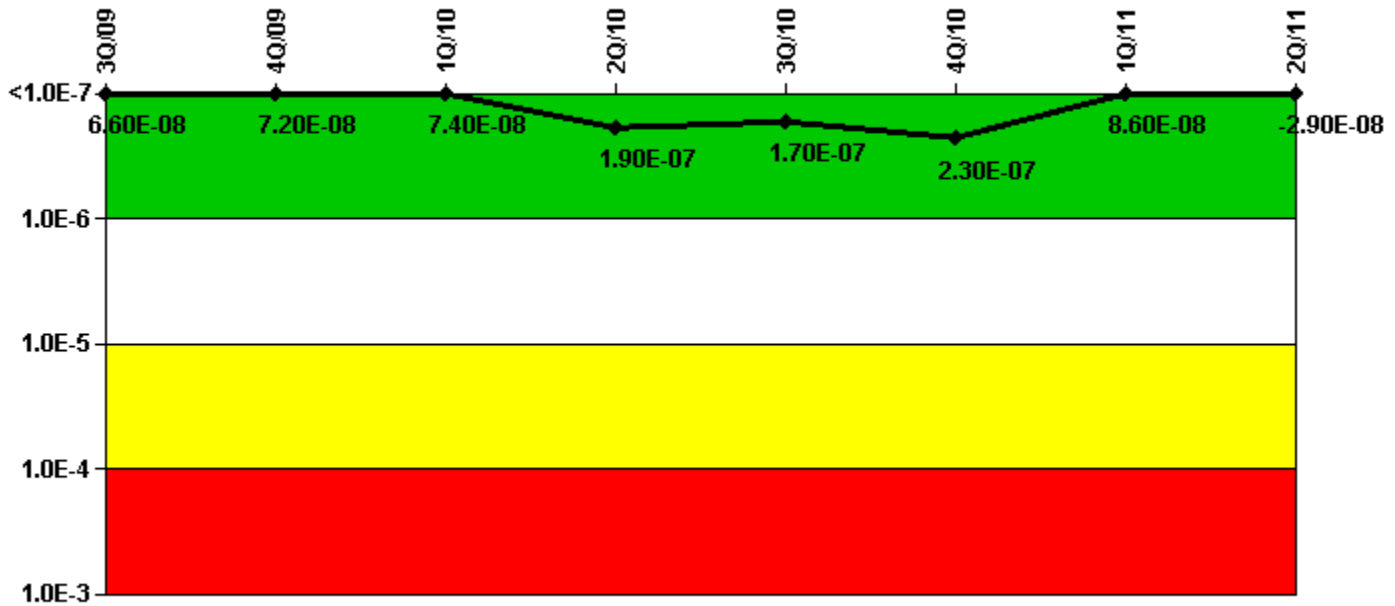
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	5.40E-08	5.50E-08	5.48E-08	6.93E-08	6.61E-08	3.11E-08	-1.53E-09	-5.20E-09
URI (Δ CDF)	3.20E-07	3.20E-07	3.23E-07	3.23E-07	3.23E-07	2.11E-07	9.18E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.74E-07	3.75E-07	3.80E-07	3.90E-07	3.90E-07	2.40E-07	9.00E-08	-4.60E-08

Licensee Comments:

2Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System



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

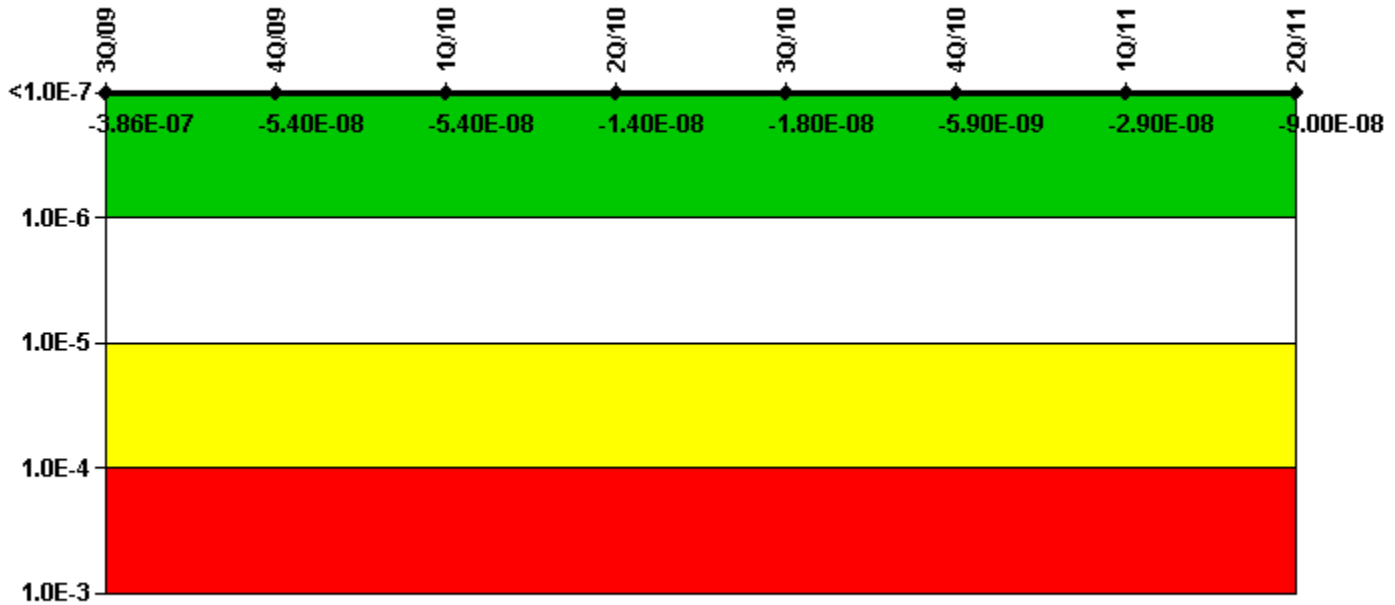
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	1.05E-07	1.11E-07	1.13E-07	2.26E-07	2.13E-07	2.67E-07	1.25E-07	5.15E-08
URI (Δ CDF)	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-8.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.60E-08	7.20E-08	7.40E-08	1.90E-07	1.70E-07	2.30E-07	8.60E-08	-2.90E-08

Licensee Comments:

2Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

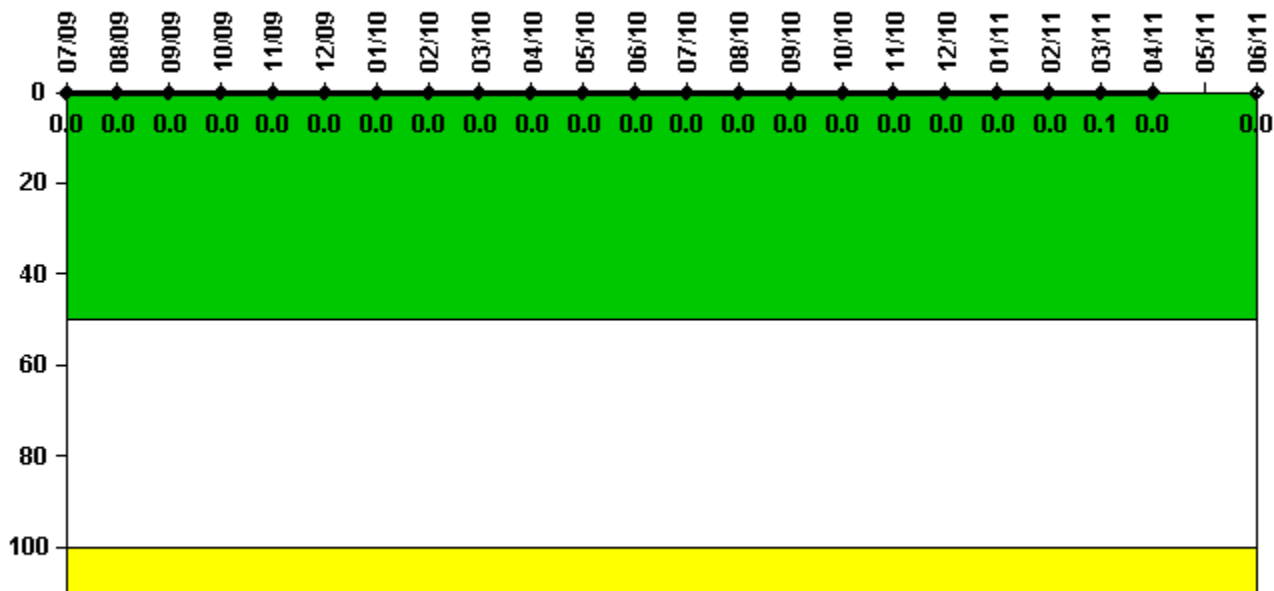
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-3.60E-08	-1.50E-08	-1.48E-08	2.54E-08	2.06E-08	3.09E-08	7.45E-09	-4.98E-08
URI (Δ CDF)	-3.50E-07	-3.90E-08	-3.89E-08	-3.89E-08	-3.89E-08	-3.68E-08	-3.68E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.86E-07	-5.40E-08	-5.40E-08	-1.40E-08	-1.80E-08	-5.90E-09	-2.90E-08	-9.00E-08

Licensee Comments:

2Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity



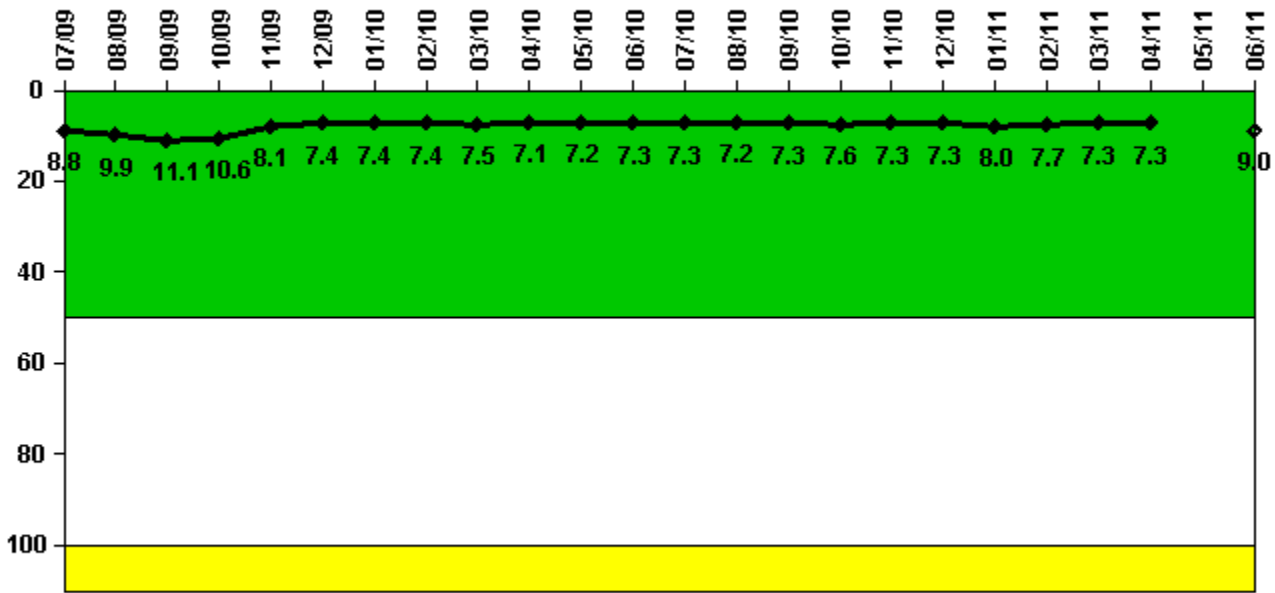
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000015	0.000013	0.000012	0.000012	0.000014	0.000019	0.000017	0.000018	0.000018	0.000018	0.000024	0.000022
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	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000020	0.000022	0.000030	0.000026	0.000029	0.000026	0.000027	0.000025	0.000201	0.000042	N/A	0.000024
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	0	0	0	0	0	0	0	0.1	0	N/A	0

Licensee Comments: none

Reactor Coolant System Leakage



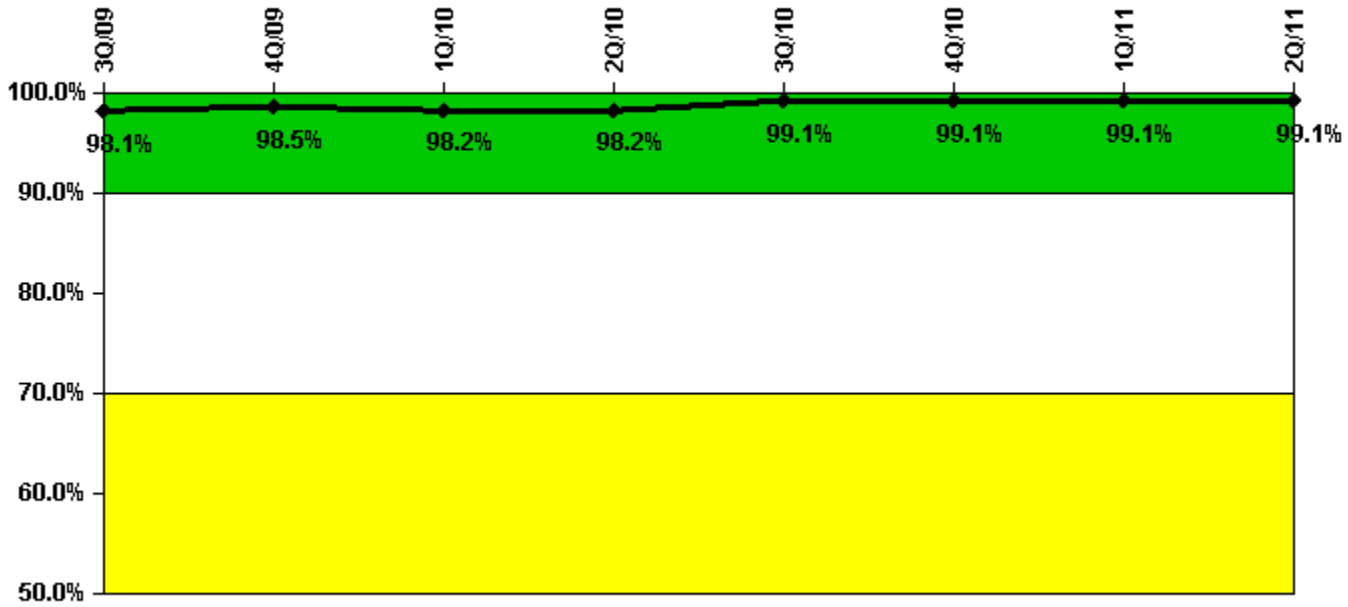
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	2.650	2.980	3.330	3.170	2.420	2.230	2.230	2.230	2.240	2.130	2.150	2.190
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	8.8	9.9	11.1	10.6	8.1	7.4	7.4	7.4	7.5	7.1	7.2	7.3
Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	2.200	2.150	2.200	2.290	2.190	2.190	2.410	2.300	2.200	2.200	N/A	2.700
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	7.2	7.3	7.6	7.3	7.3	8.0	7.7	7.3	7.3	N/A	9.0

Licensee Comments: none

Drill/Exercise Performance



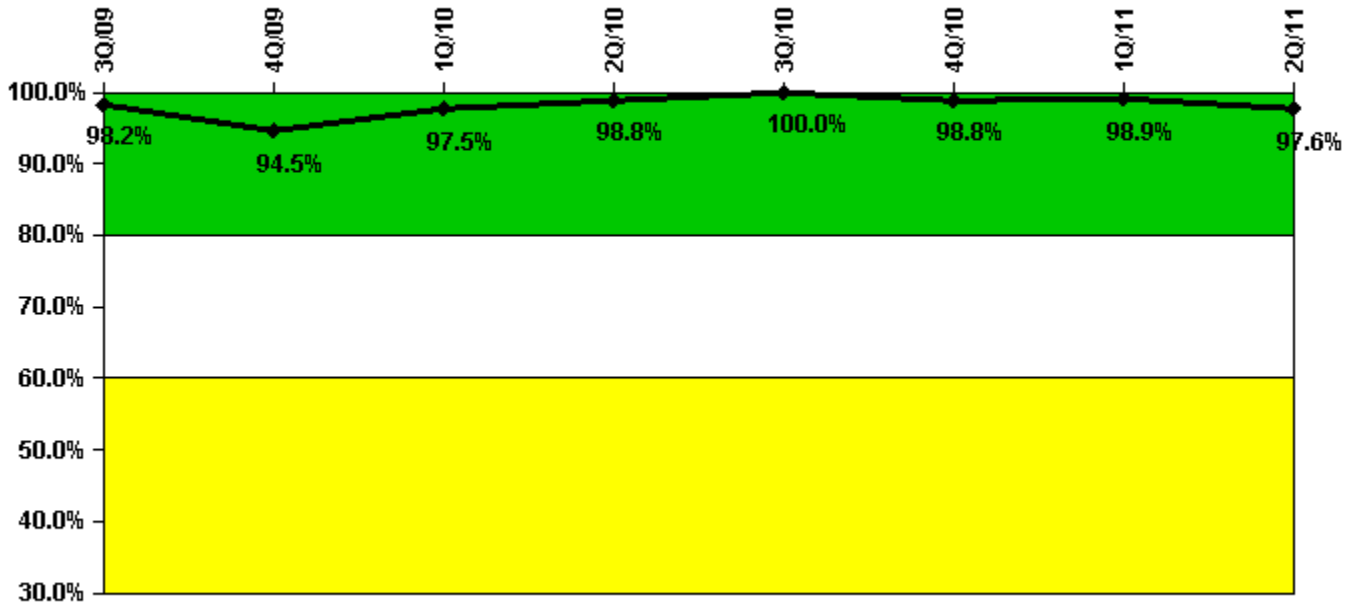
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	34.0	30.0	37.0	20.0	48.0	21.0	31.0	0
Total opportunities	34.0	30.0	38.0	20.0	49.0	21.0	31.0	0
Indicator value	98.1%	98.5%	98.2%	98.2%	99.1%	99.1%	99.1%	99.1%

Licensee Comments: none

ERO Drill Participation



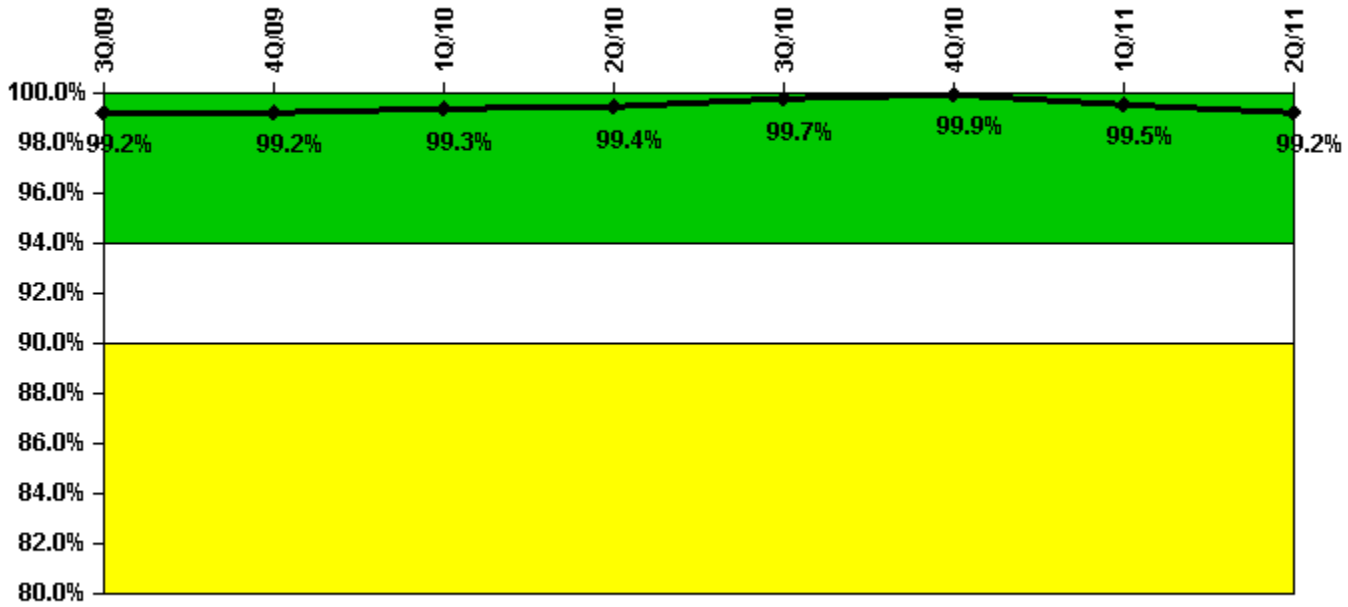
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	162.0	156.0	158.0	162.0	166.0	162.0	173.0	166.0
Total Key personnel	165.0	165.0	162.0	164.0	166.0	164.0	175.0	170.0
Indicator value	98.2%	94.5%	97.5%	98.8%	100.0%	98.8%	98.9%	97.6%

Licensee Comments: none

Alert & Notification System



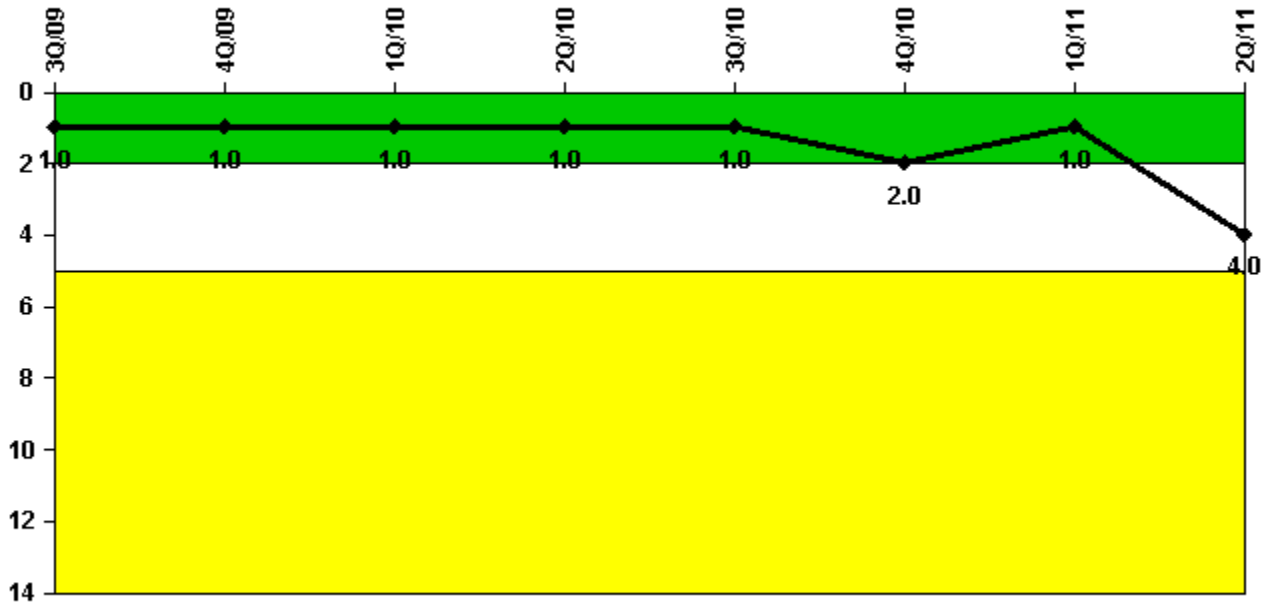
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	527	451	532	530	532	532	523	525
Total sirens-tests	532	456	532	532	532	532	532	532
Indicator value	99.2%	99.2%	99.3%	99.4%	99.7%	99.9%	99.5%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	0	1	0	0	1	0	3
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	1	1	1	1	1	2	1	4

Licensee Comments:

2Q/11: OR01 indicator performance is in the Increased Regulatory Response Band (White). Changed the number of High radiation area occurrences to 2 from 1 initially reported for April 2011. The reinsertion of source range monitor C detector into the reactor vessel on April 22 has been re-evaluated and determined to be reportable based on the dose rates in the accessible undervessel areas not being characterized sufficiently, which is a violation of TS 5.7.1.b. The indicator color is unchanged by this correction.

2Q/11: OR1 PI performance is in the Increased Regulatory Response Band (White).

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/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.