

Diablo Canyon 1

4Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



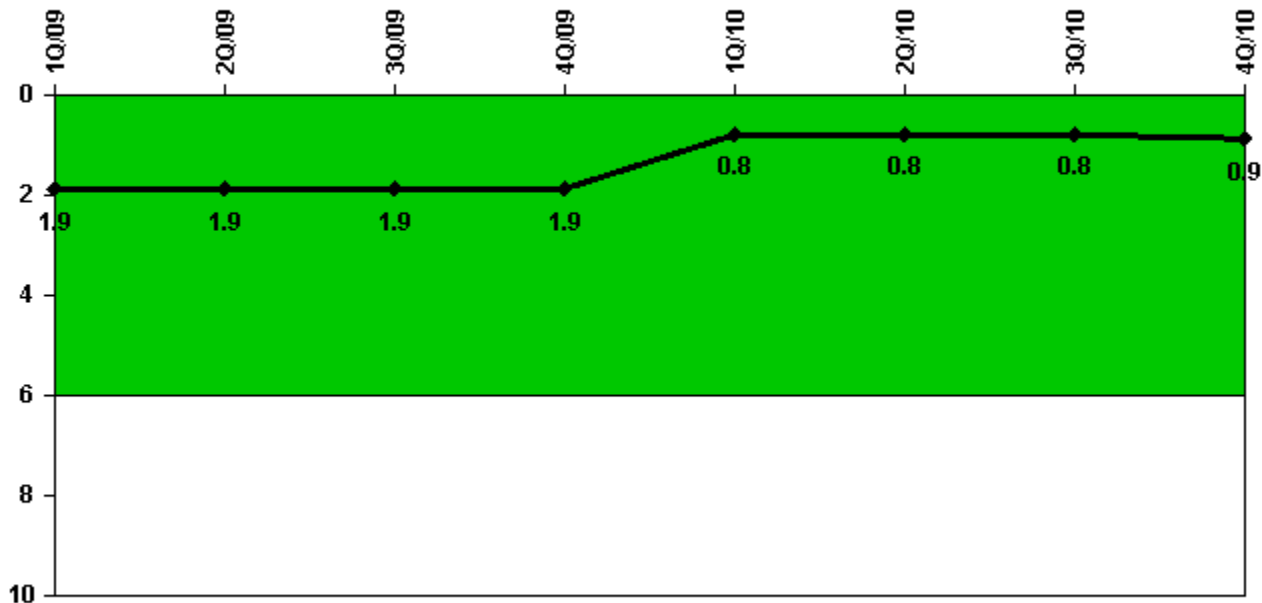
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	787.1	2184.0	2160.4	2209.0	2159.0	2184.0	2208.0	1282.4
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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	1.0	0	0	1.0	0	0	0	1.0
Critical hours	787.1	2184.0	2160.4	2209.0	2159.0	2184.0	2208.0	1282.4
Indicator value	1.9	1.9	1.9	1.9	0.8	0.8	0.8	0.9

Licensee Comments:

4Q/10: Diablo Canyon Unit 1 had an emergent steam leak just prior to a scheduled refueling outage. The unit began a ramp from approximately 100% at 12:36 on 10/2/10 and disconnected from the grid at 17:56 PDT.

Unplanned Scrams with Complications



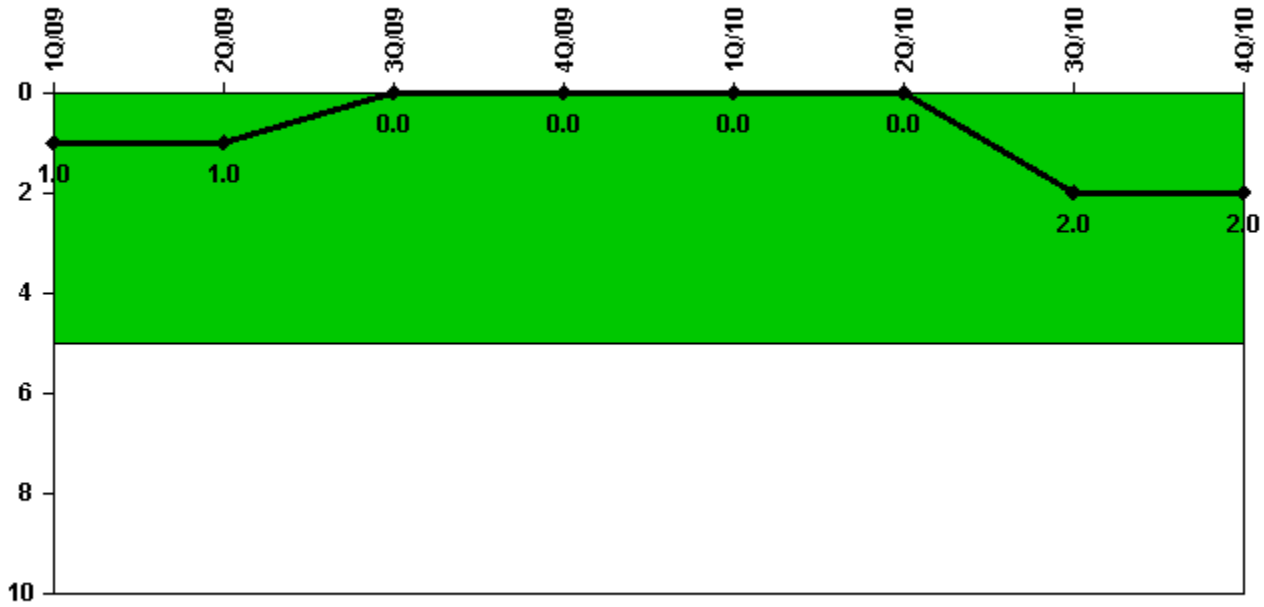
Thresholds: White > 1.0

Notes

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



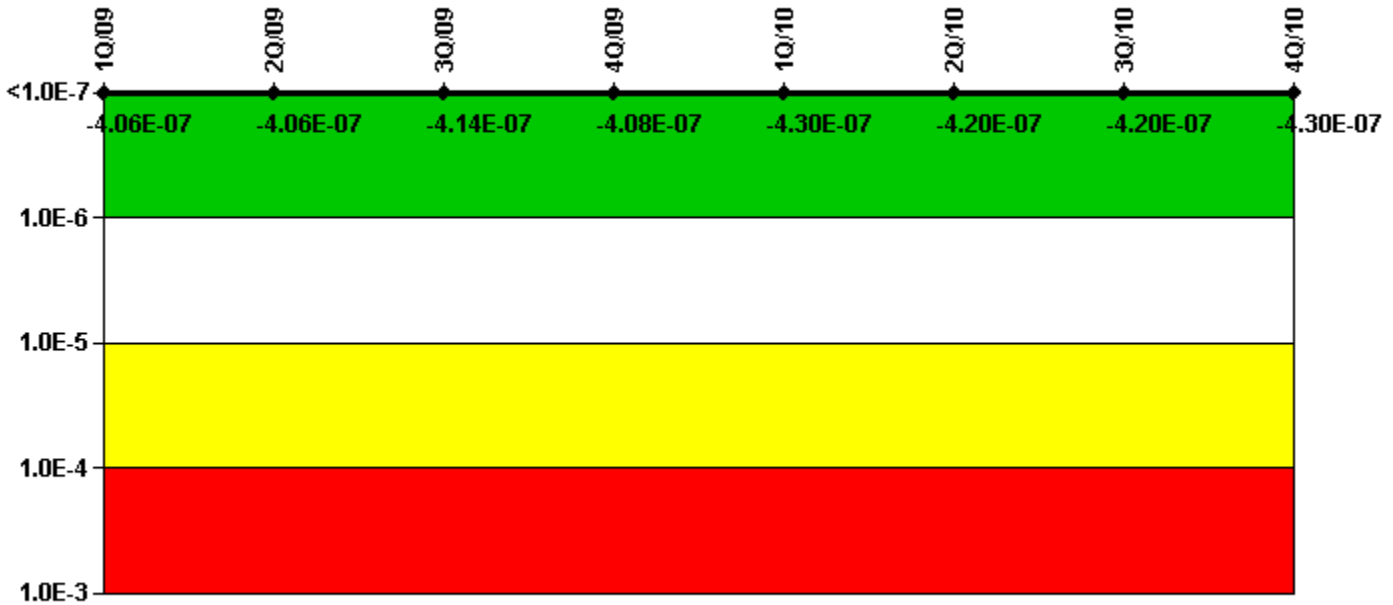
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



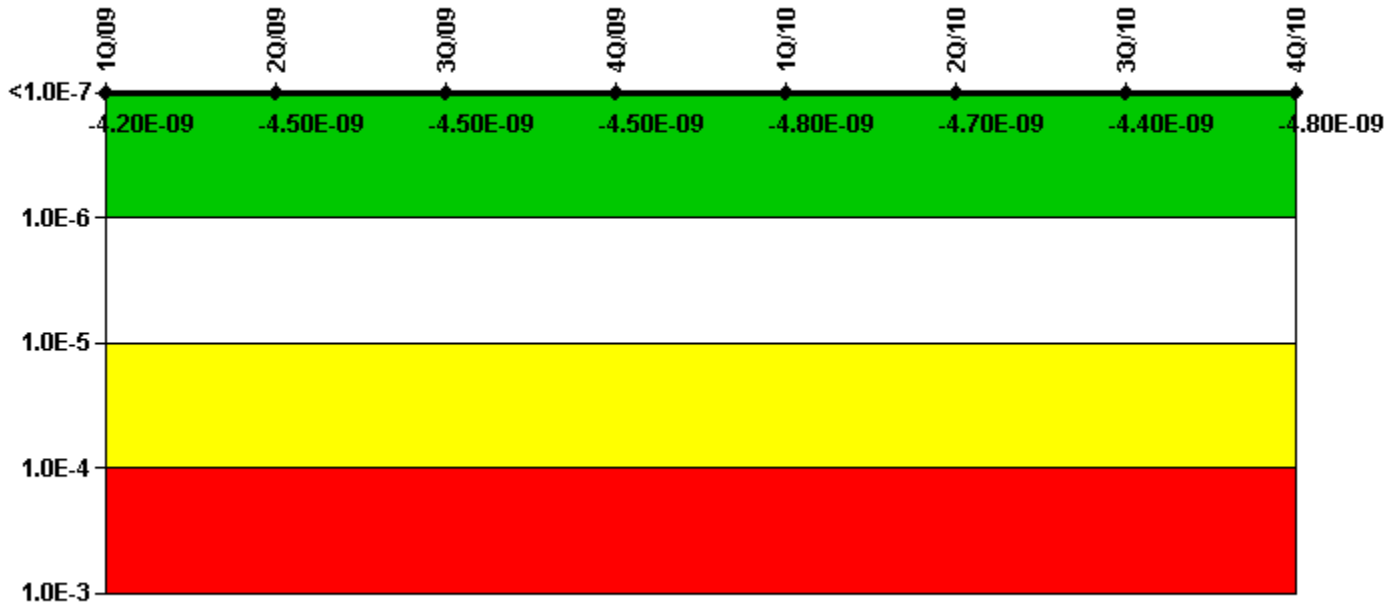
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	1.40E-08	1.40E-08	6.00E-09	1.20E-08	-2.47E-09	-2.69E-09	-2.73E-09	-5.01E-09
URI (Δ CDF)	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.24E-07	-4.20E-07	-4.20E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.06E-07	-4.06E-07	-4.14E-07	-4.08E-07	-4.30E-07	-4.20E-07	-4.20E-07	-4.30E-07

Licensee Comments: none

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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-2.70E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.36E-09	-3.29E-09	-3.01E-09	-3.36E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.45E-09	-1.45E-09	-1.44E-09	-1.43E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-09	-4.50E-09	-4.50E-09	-4.50E-09	-4.80E-09	-4.70E-09	-4.40E-09	-4.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



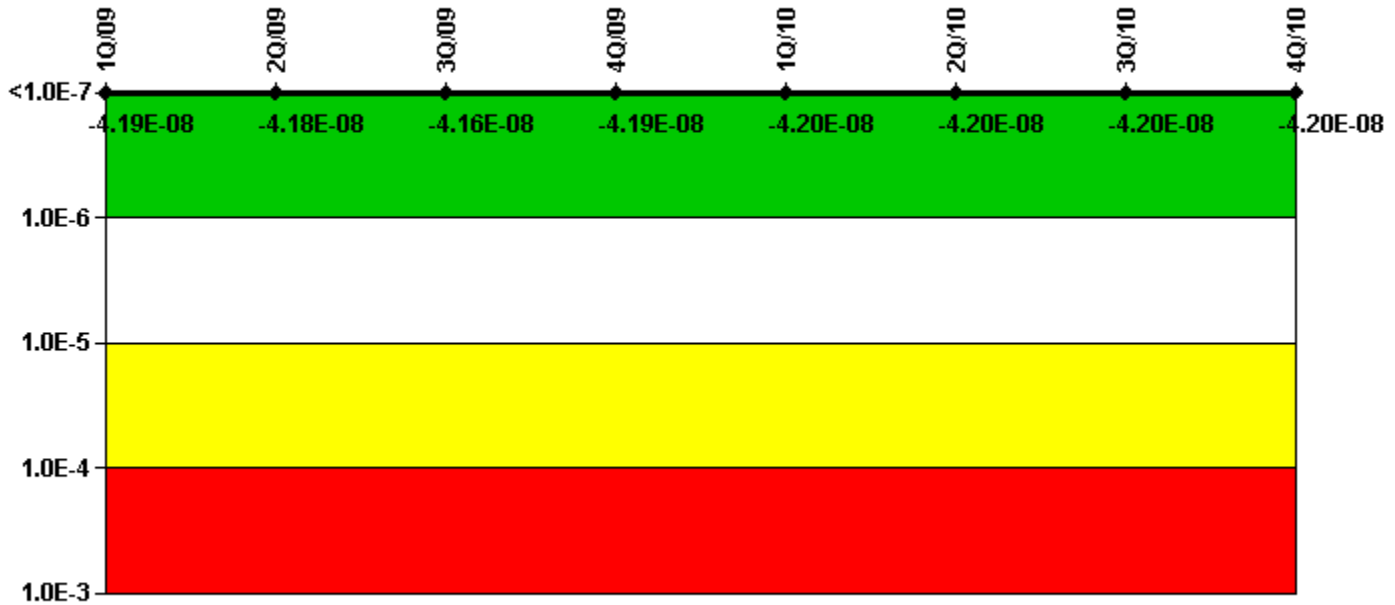
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.09E-08	-8.81E-09	-7.27E-09	-1.70E-08
URI (Δ CDF)	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.30E-08	-9.10E-08	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



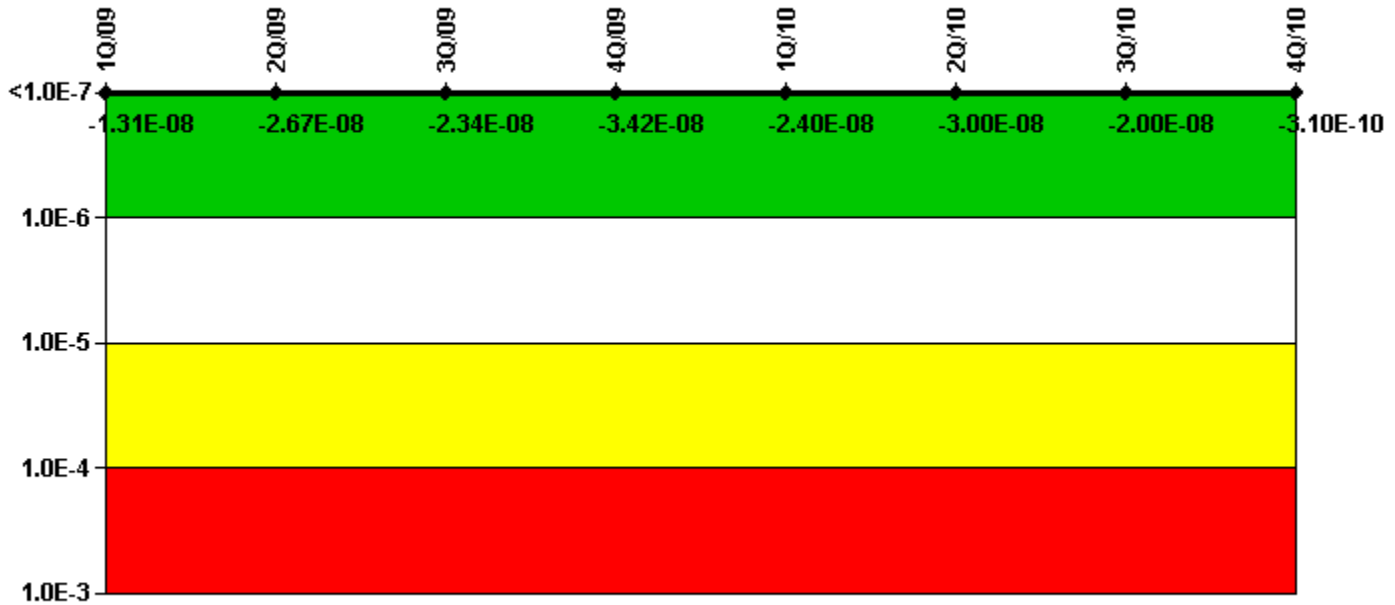
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-5.90E-09	-5.80E-09	-5.60E-09	-5.90E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09
URI (Δ CDF)	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.19E-08	-4.18E-08	-4.16E-08	-4.19E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



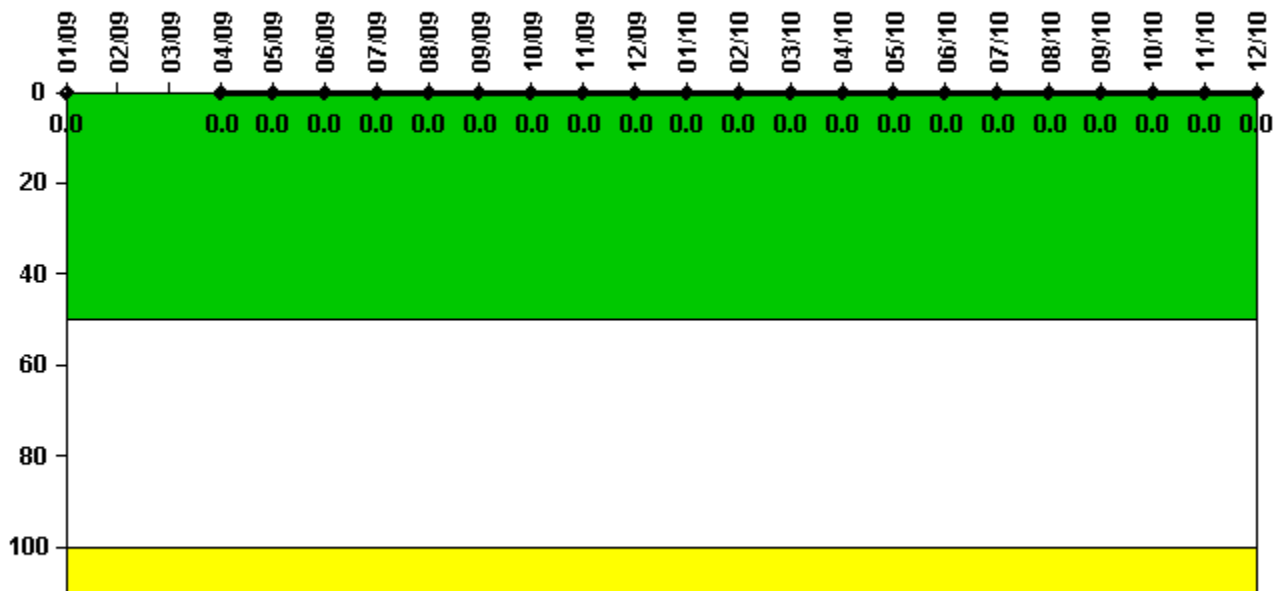
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	4.90E-09	-8.70E-09	3.60E-09	-7.20E-09	3.16E-09	-2.56E-09	6.81E-09	2.67E-08
URI (Δ CDF)	-1.80E-08	-1.80E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.31E-08	-2.67E-08	-2.34E-08	-3.42E-08	-2.40E-08	-3.00E-08	-2.00E-08	-3.10E-10

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

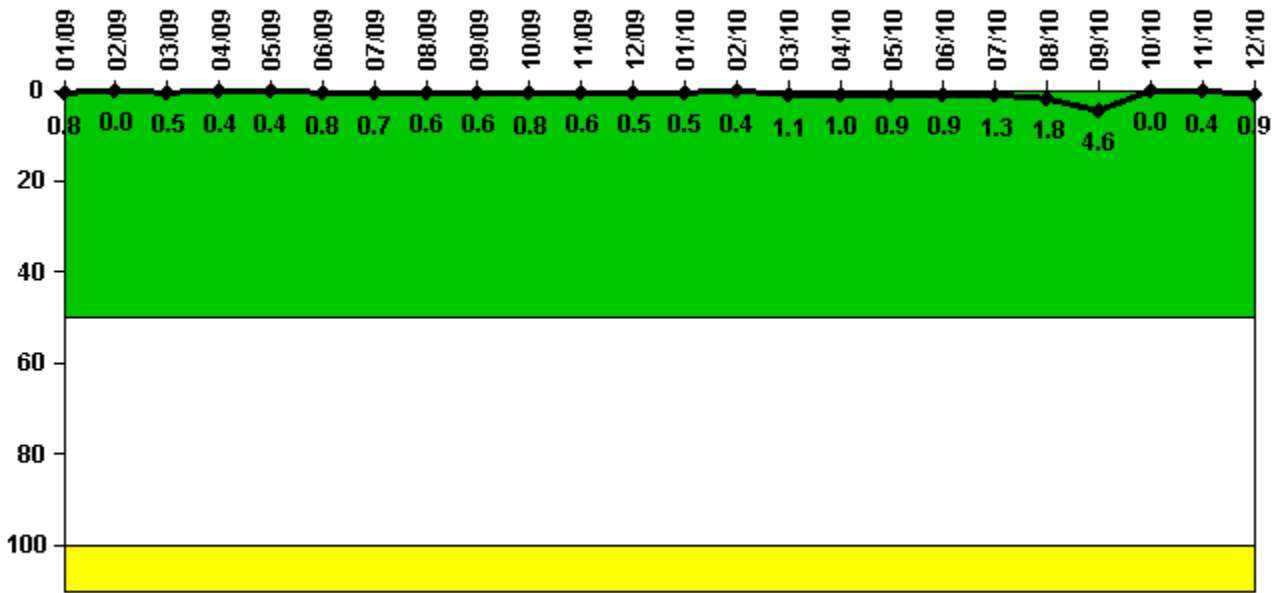
Notes

Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000118	N/A	N/A	0.000069	0.000082	0.000088	0.000085	0.000089	0.000105	0.000109	0.000105	0.000173
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	N/A	N/A	0	0	0	0	0	0	0	0	0

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	0.000106	0.000112	0.000122	0.000123	0.000223	0.000192	0.000146	0.000131	0.000117	0.000089	0.000065	0.000070
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



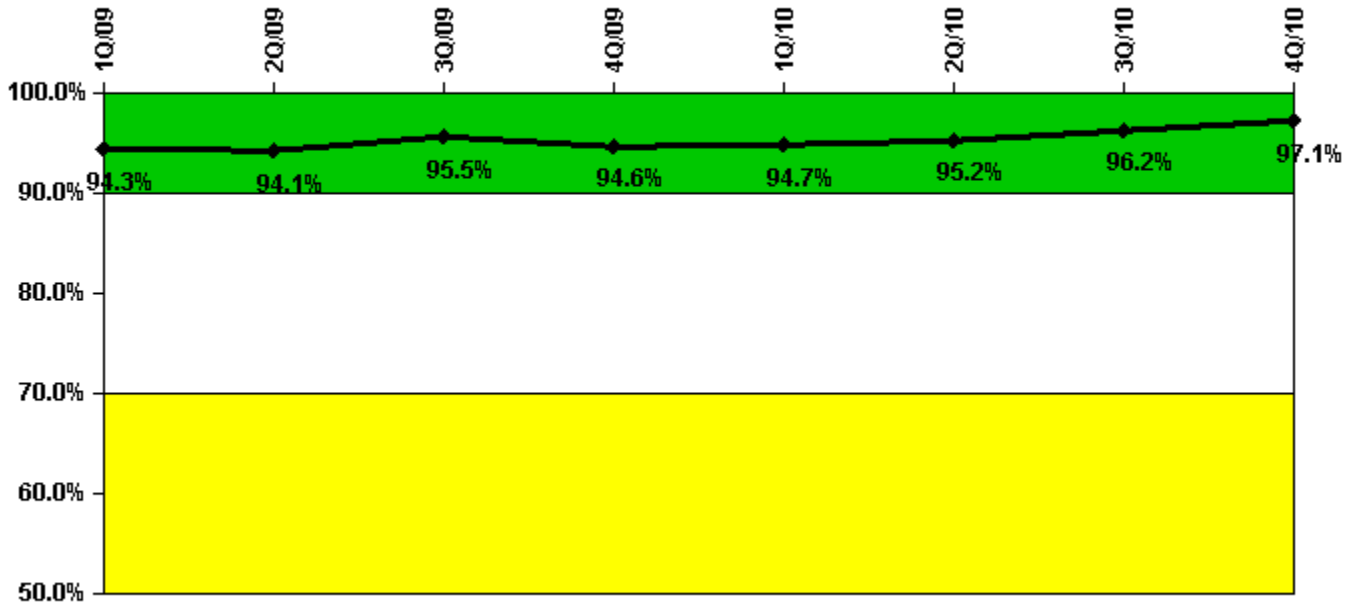
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.083	0	0.053	0.039	0.036	0.076	0.068	0.056	0.062	0.075	0.062	0.053
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	0.8	0	0.5	0.4	0.4	0.8	0.7	0.6	0.6	0.8	0.6	0.5
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	0.054	0.044	0.106	0.095	0.093	0.085	0.129	0.175	0.458	0	0.042	0.093
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	0.4	1.1	1.0	0.9	0.9	1.3	1.8	4.6	0	0.4	0.9

Licensee Comments: none

Drill/Exercise Performance



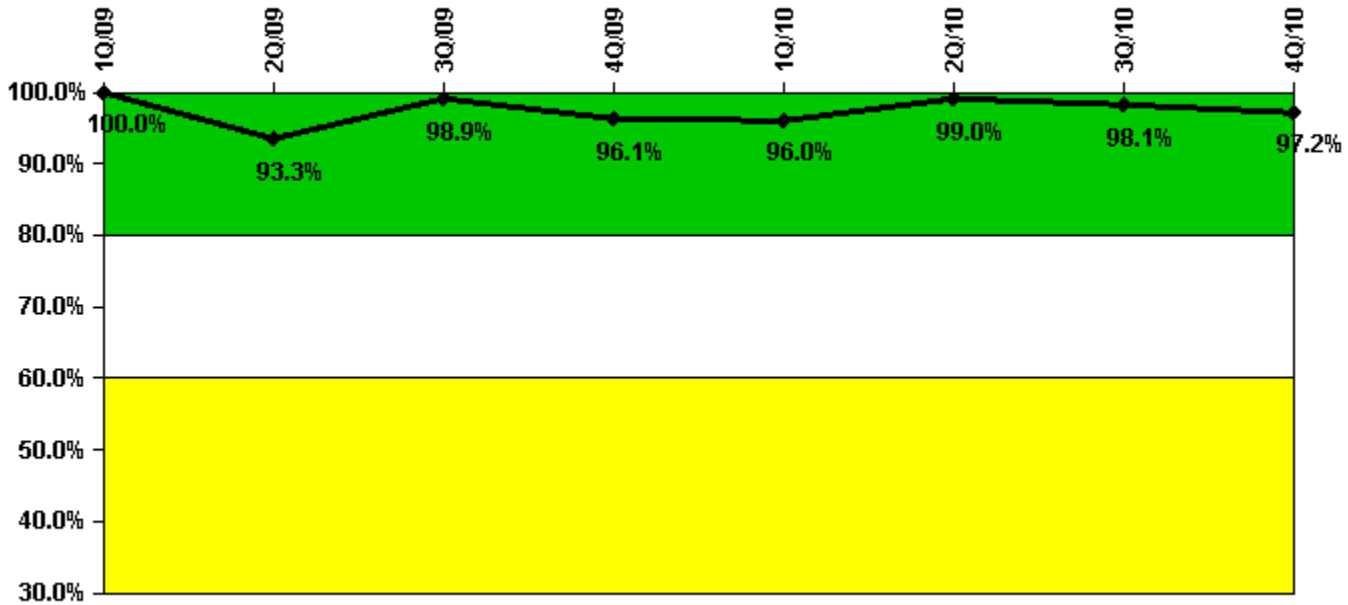
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	13.0	53.0	61.0	40.0	35.0	59.0	24.0	16.0
Total opportunities	14.0	55.0	62.0	41.0	37.0	60.0	24.0	17.0
Indicator value	94.3%	94.1%	95.5%	94.6%	94.7%	95.2%	96.2%	97.1%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

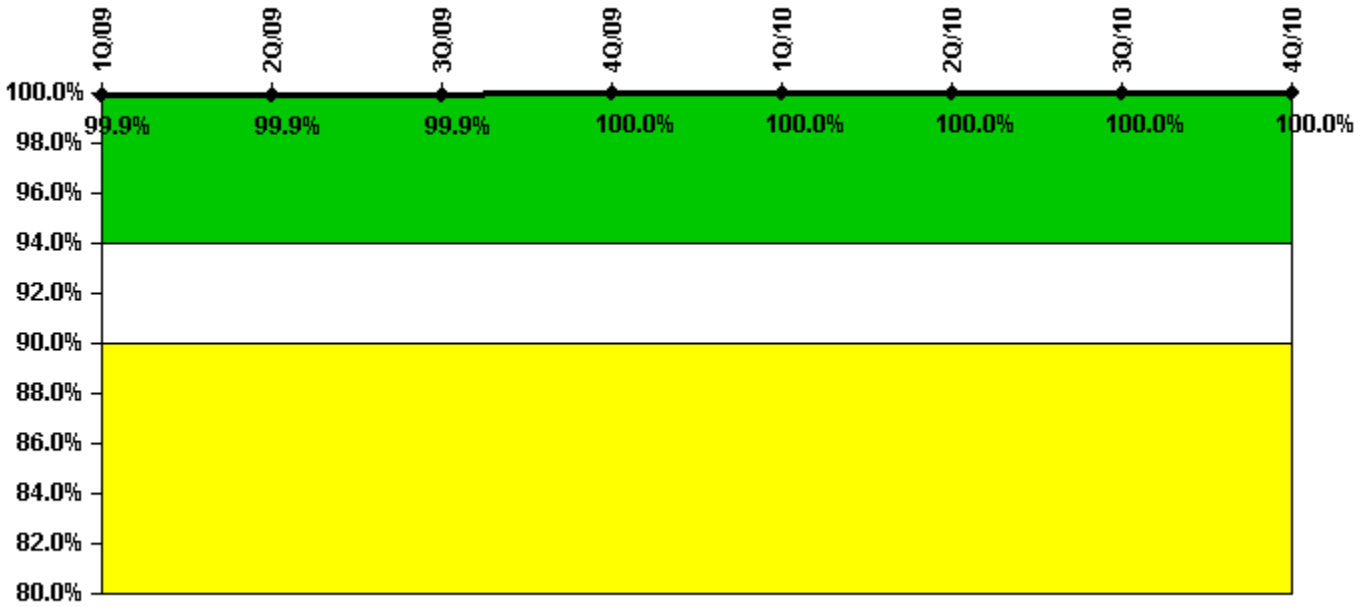
Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	70.0	83.0	92.0	98.0	97.0	102.0	101.0	104.0
Total Key personnel	70.0	89.0	93.0	102.0	101.0	103.0	103.0	107.0
Indicator value	100.0%	93.3%	98.9%	96.1%	96.0%	99.0%	98.1%	97.2%

Licensee Comments:

3Q/10: On 11/17/10, changes were made to the September Participating Key Personnel and the Total Key Personnel values. Per DCPD notification 50361749, the change was made following identification of a brief lapse in the qualifications of three personnel. This change did not affect the color of the indicator.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	1047	916	1310	916	1048	917	1310	917
Total sirens-tests	1048	917	1310	916	1048	917	1310	917
Indicator value	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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