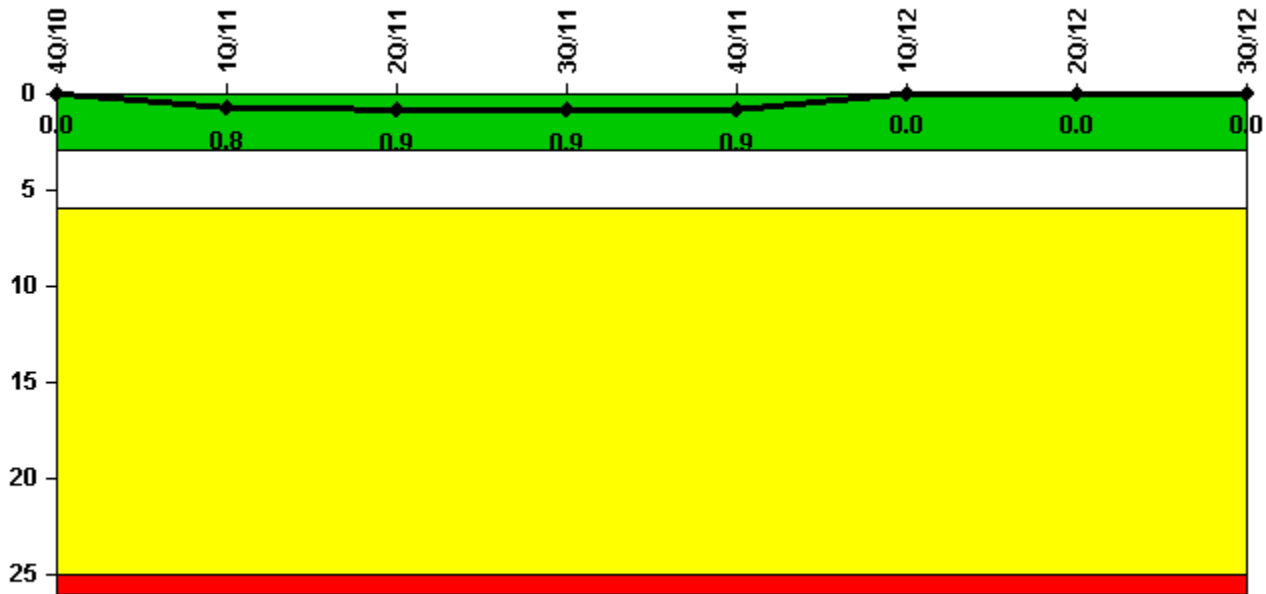


Diablo Canyon 2

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

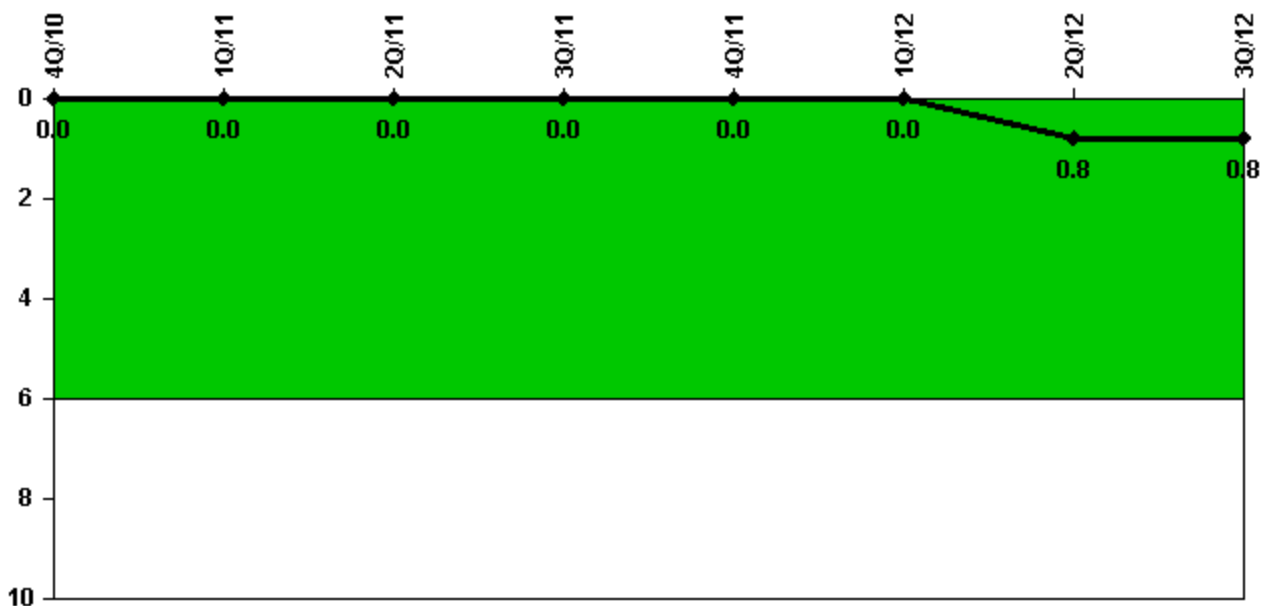
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2052.5	1340.4	2208.0	2209.0	2183.0	2130.8	2208.0
Indicator value	0	0.8	0.9	0.9	0.9	0	0	0

Licensee Comments:

1Q/11: On March 26, 2011 at 1449 PDT operators at Diablo Canyon Power Plant Unit 2 manually initiated a reactor trip in response to loss of main feedwater pump 2-1. Reference NRC EN# 46701

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

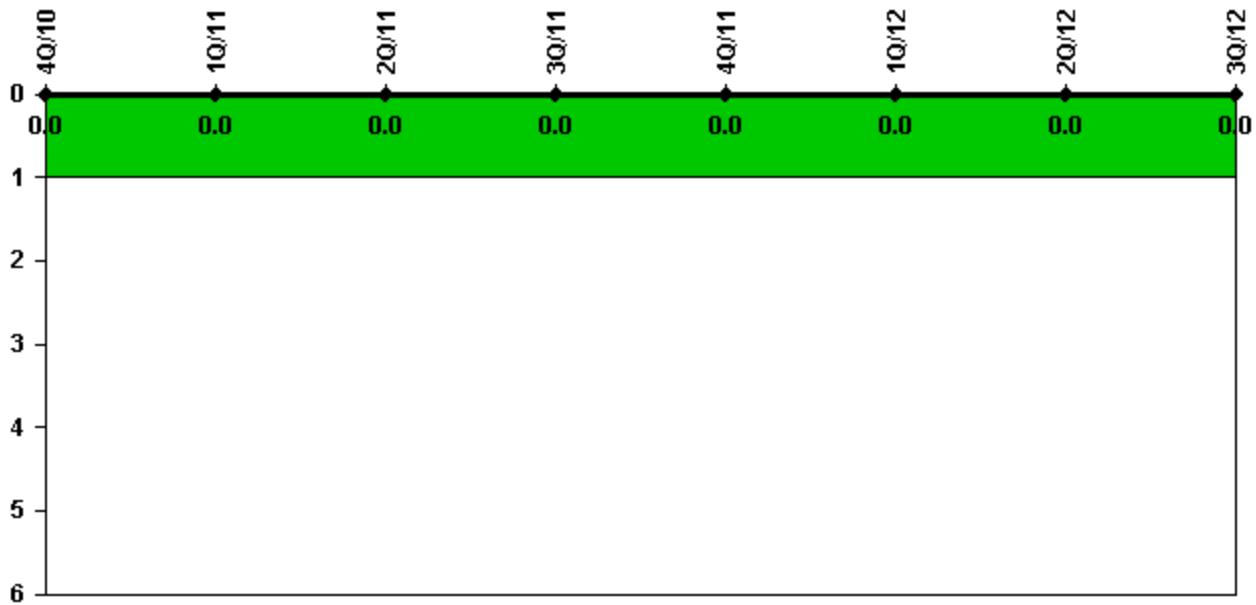
Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	2052.5	1340.4	2208.0	2209.0	2183.0	2130.8	2208.0
Indicator value	0	0	0	0	0	0	0.8	0.8

Licensee Comments:

2Q/12: On April 25, 2012, Unit 2 experienced an unplanned power change as a result of a salp influx. With the reactor at approximately 25 percent power, operators manually tripped circulating water pumps 1 and 2 due to differential pressure on the traveling screens caused by a significant increase salp. Operators then manually tripped the main turbine and manually shutdown the reactor. SAPN 50476376

3Q/11: A Unit 2 power reduction on 09/02/2011 was excluded per NEI 99-02, Rev. 6, Appendix D as it was the result of high swells and ocean debris.

Unplanned Scrams with Complications



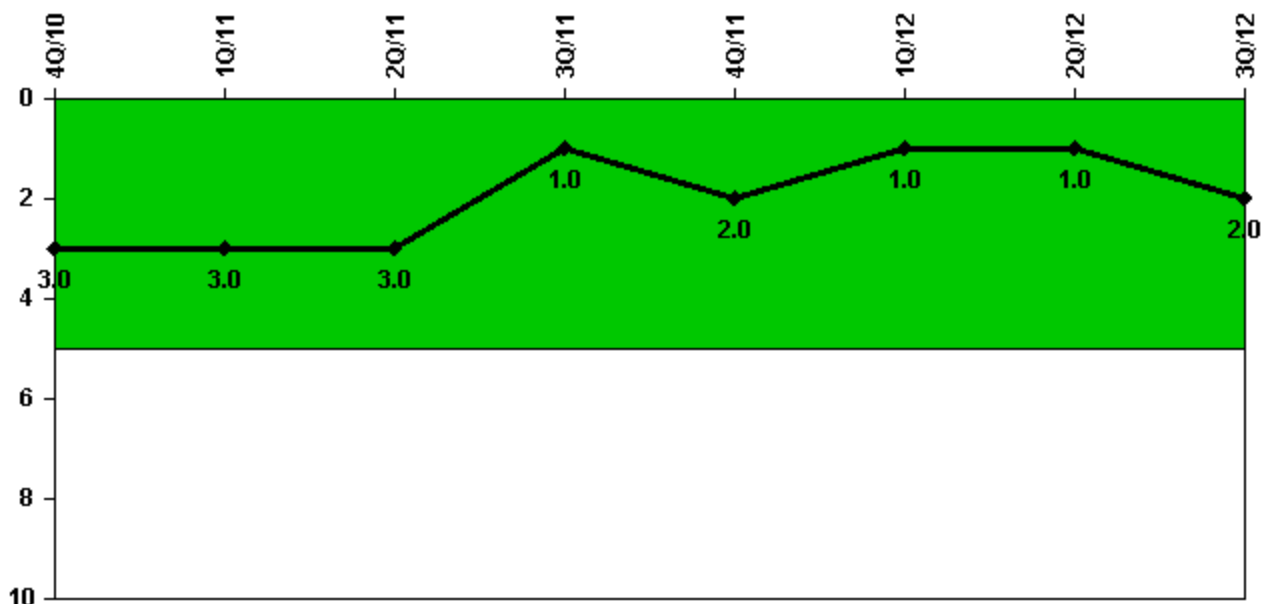
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/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 (PWR)



Thresholds: White > 5.0

Notes

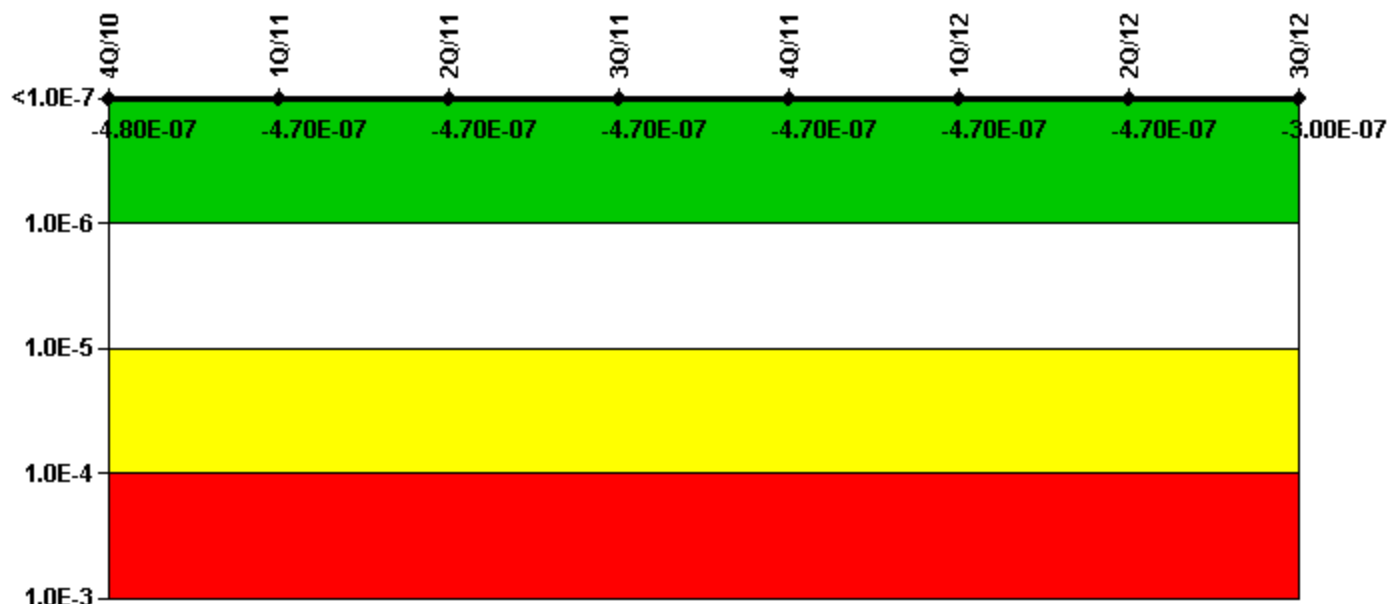
Safety System Functional Failures (PWR)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	0	1	0	0	1	0	0	1
Indicator value	3	3	3	1	2	1	1	2

Licensee Comments:

4Q/11: DCPD had a SSFF reported in LER 2011-006-0 (DCL-11-113) that reported a loss of control room envelope.

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for DCPD Unit 2 ABVS fans simultaneously secured due to a single failure vulnerability. TS 3.0.3 was entered for Unit 2 on 1/10/2011 at 1321 PST and exited on 1/10/2011 at 1342 PST.

Mitigating Systems Performance Index, Emergency AC Power System



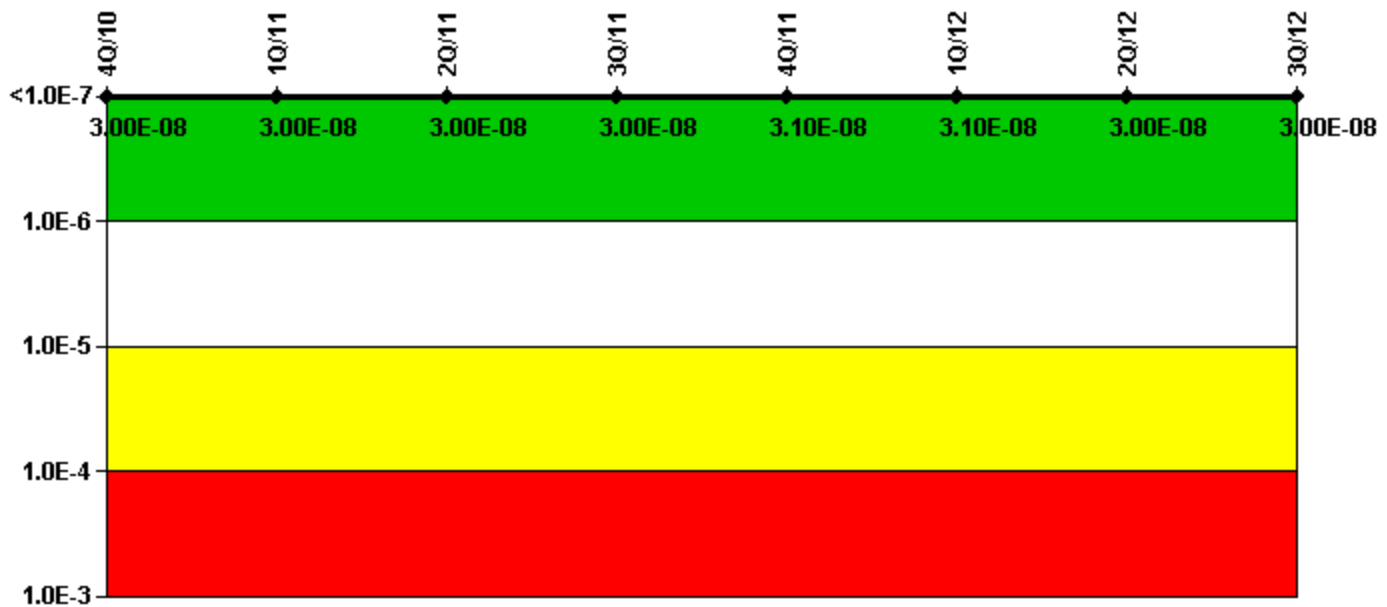
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-7.01E-09	1.98E-09	5.16E-09	1.42E-09	-2.24E-09	6.95E-11	1.23E-10	-2.40E-09
URI (Δ CDF)	-4.71E-07	-4.71E-07	-4.71E-07	-4.71E-07	-4.71E-07	-4.69E-07	-4.66E-07	-2.98E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.80E-07	-4.70E-07	-4.70E-07	-4.70E-07	-4.70E-07	-4.70E-07	-4.70E-07	-3.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



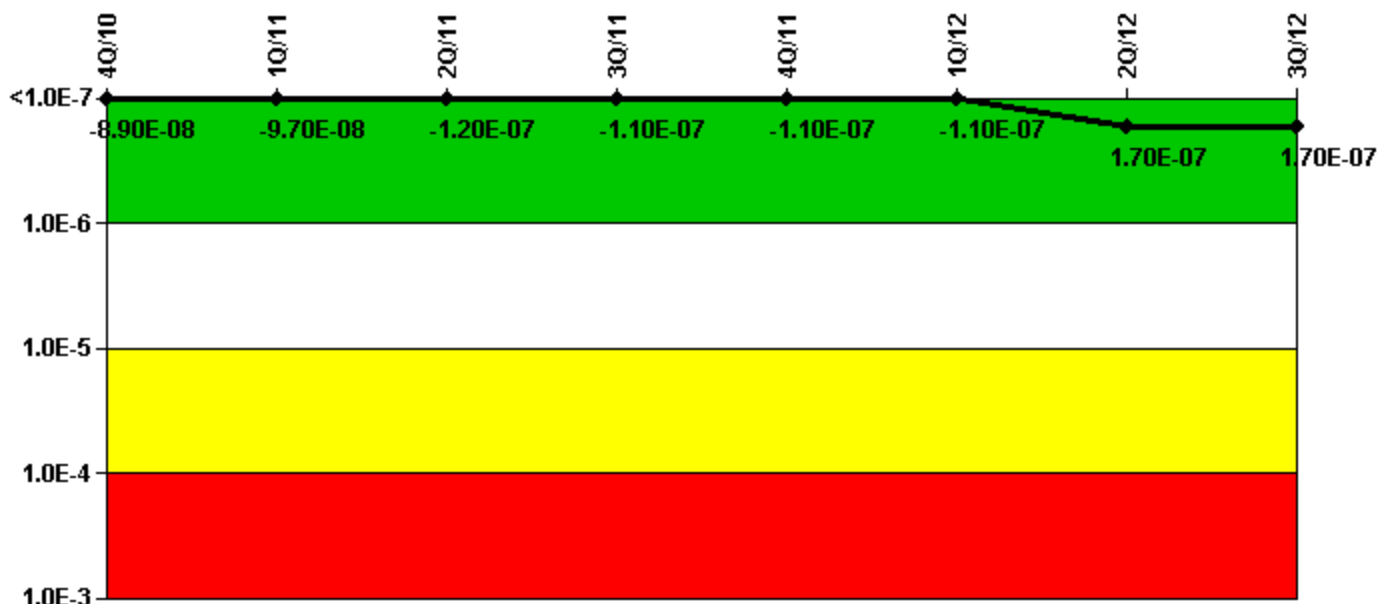
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-3.36E-09	-3.36E-09	-3.10E-09	-3.36E-09	-2.66E-09	-2.69E-09	-3.36E-09	-3.18E-09
URI (Δ CDF)	3.35E-08	3.35E-08	3.35E-08	3.35E-08	3.35E-08	3.35E-08	3.35E-08	3.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.10E-08	3.10E-08	3.00E-08	3.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



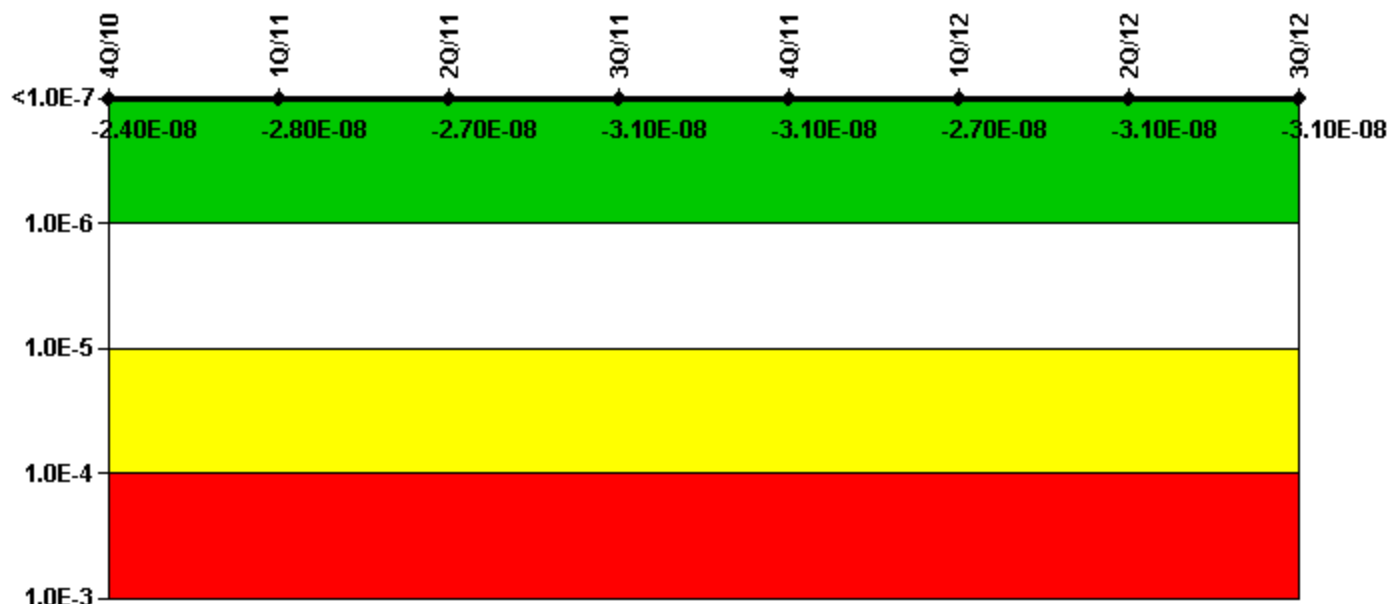
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-7.35E-10	-1.96E-09	-2.45E-08	-2.45E-08	-2.45E-08	-2.40E-08	-2.24E-08	-2.25E-08
URI (Δ CDF)	-8.86E-08	-9.47E-08	-9.47E-08	-9.04E-08	-9.00E-08	-9.00E-08	1.88E-07	1.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-08	-9.70E-08	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	1.70E-07	1.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



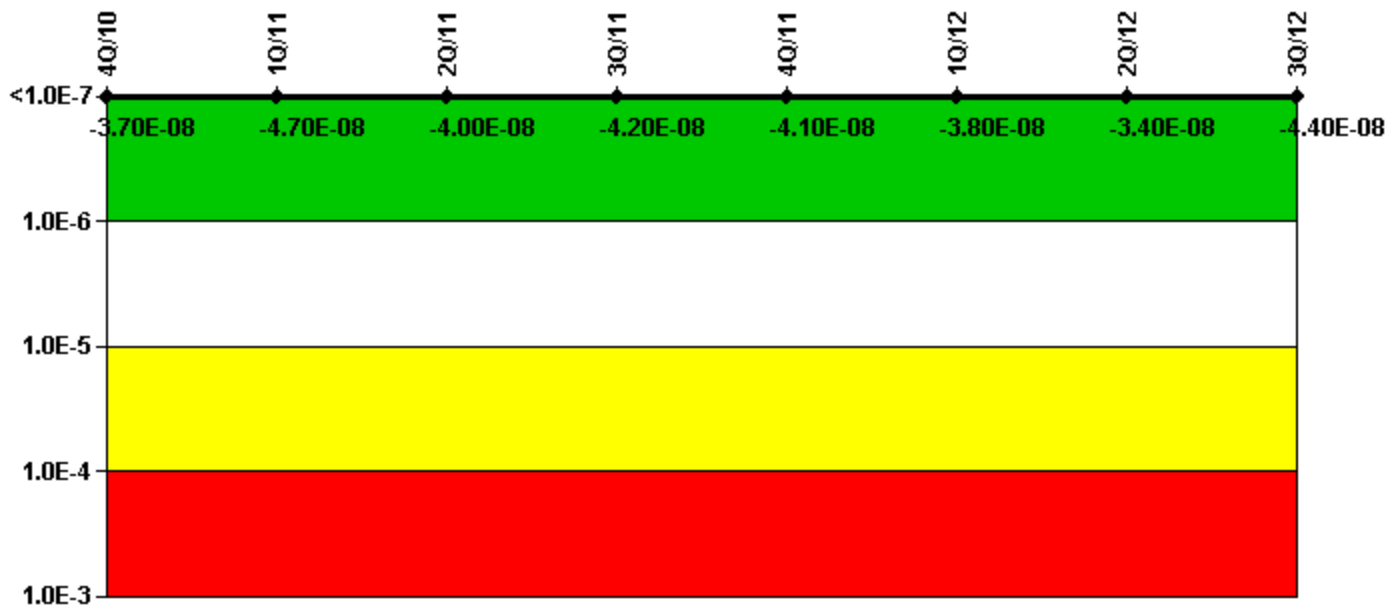
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	1.63E-09	-2.41E-09	-1.80E-09	-5.94E-09	-5.94E-09	-1.98E-09	-5.25E-09	-5.43E-09
URI (ΔCDF)	-2.53E-08	-2.53E-08	-2.53E-08	-2.53E-08	-2.53E-08	-2.53E-08	-2.53E-08	-2.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.40E-08	-2.80E-08	-2.70E-08	-3.10E-08	-3.10E-08	-2.70E-08	-3.10E-08	-3.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



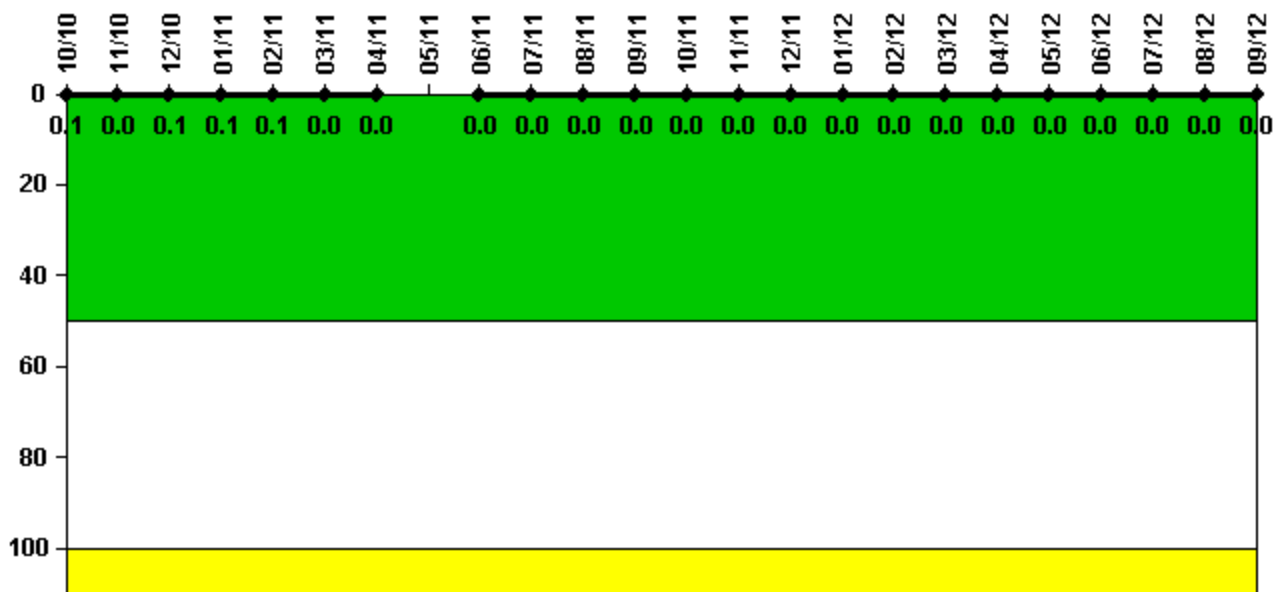
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-1.75E-08	-2.26E-08	-1.62E-08	-1.77E-08	-1.70E-08	-1.41E-08	-9.76E-09	-1.95E-08
URI (Δ CDF)	-1.98E-08	-2.41E-08	-2.41E-08	-2.41E-08	-2.41E-08	-2.41E-08	-2.41E-08	-2.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-08	-4.70E-08	-4.00E-08	-4.20E-08	-4.10E-08	-3.80E-08	-3.40E-08	-4.40E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

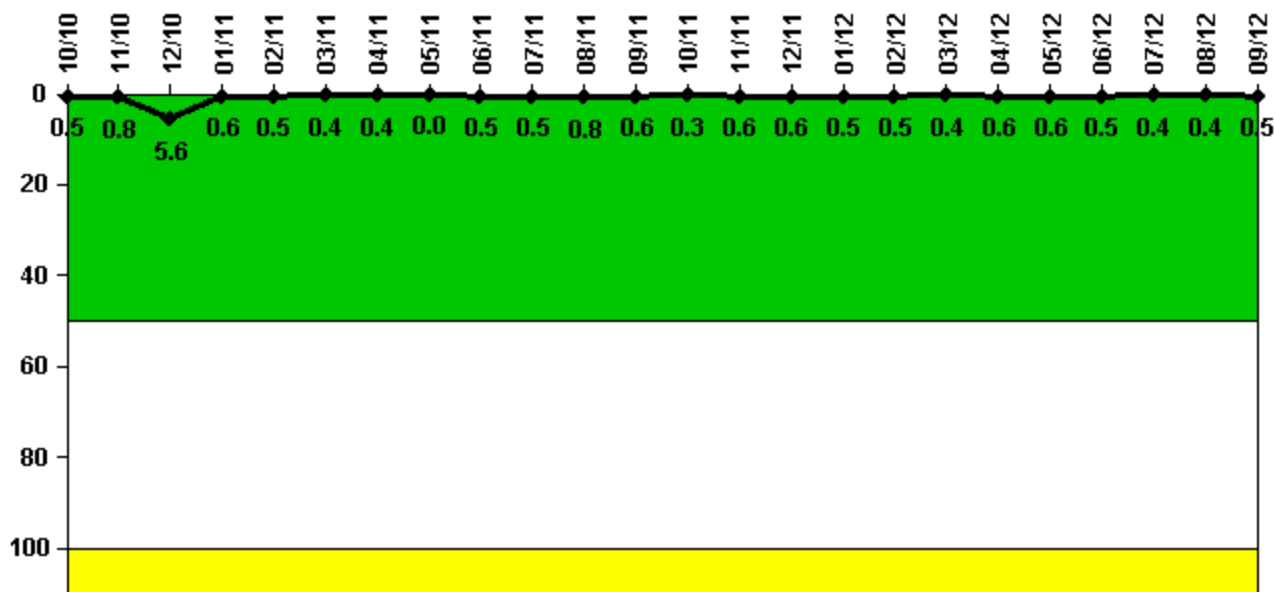
Notes

Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000558	0.000442	0.000514	0.000705	0.000622	0.000493	0.000489	N/A	0.000160	0.000167	0.000182	0.000171
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	0.1	0	0.1	0.1	0.1	0	0	N/A	0	0	0	0

Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000183	0.000185	0.000200	0.000199	0.000199	0.000325	0.000225	0.000222	0.000347	0.000418	0.000313	0.000253
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



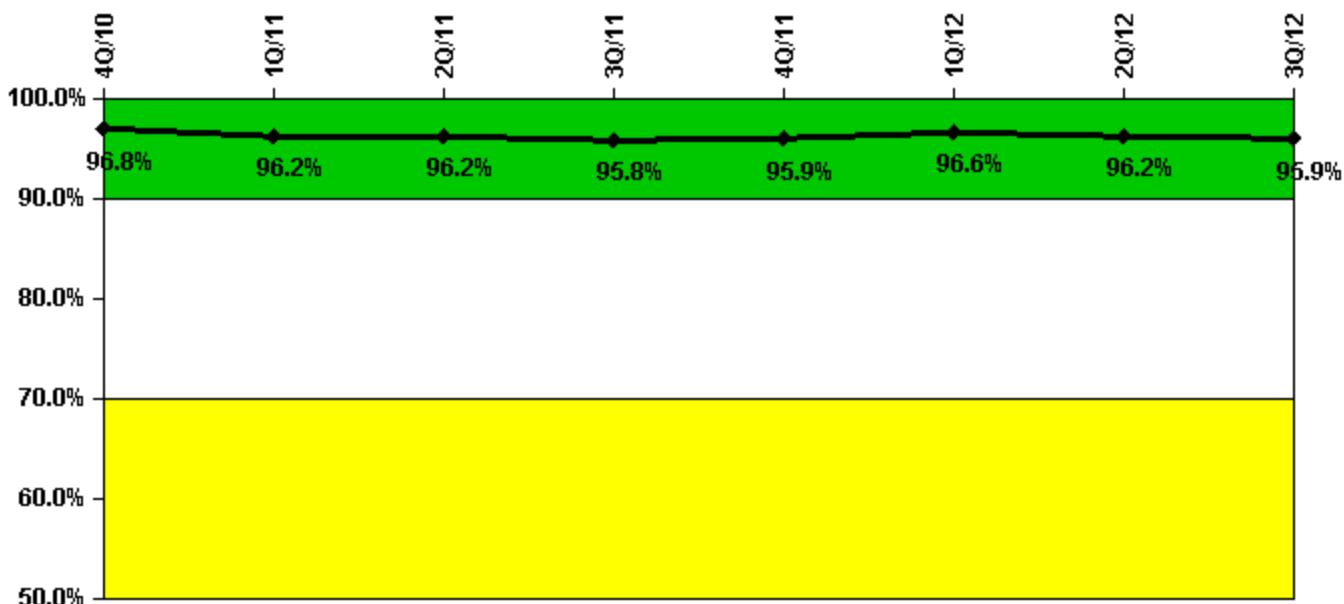
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.050	0.083	0.557	0.060	0.045	0.035	0.041	0	0.054	0.045	0.084	0.060
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	0.8	5.6	0.6	0.5	0.4	0.4	0	0.5	0.5	0.8	0.6
Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	0.025	0.059	0.057	0.052	0.051	0.037	0.059	0.055	0.047	0.035	0.037	0.051
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	0.6	0.6	0.5	0.5	0.4	0.6	0.6	0.5	0.4	0.4	0.5

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

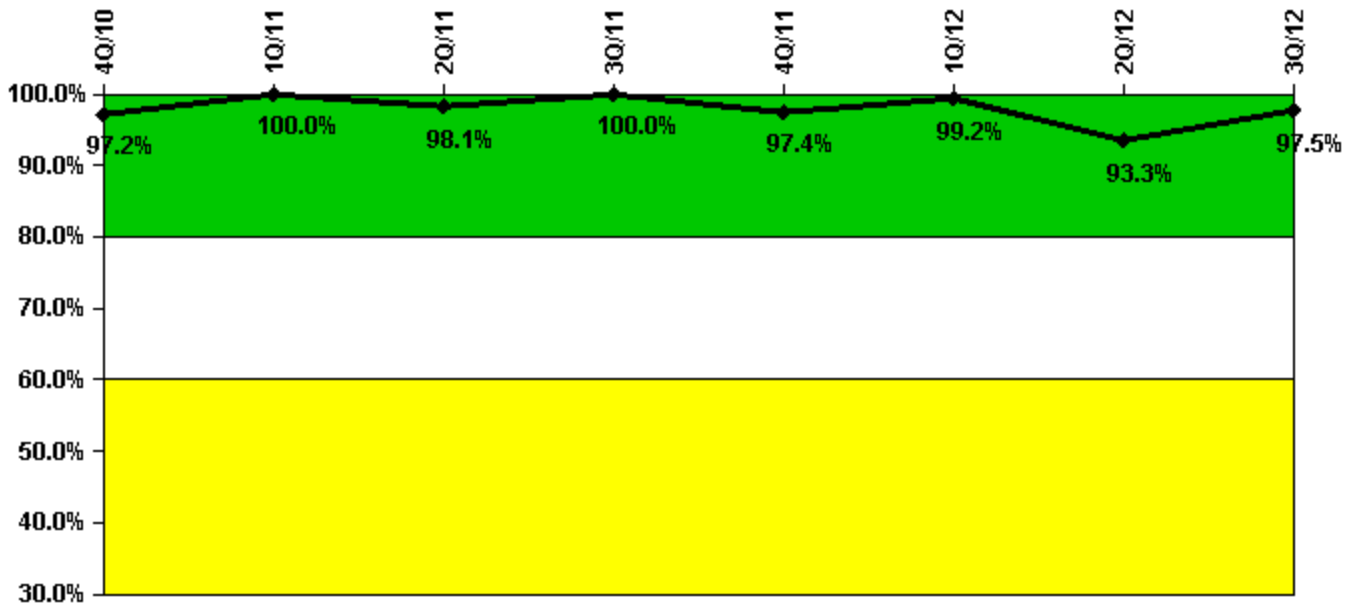
Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	15.0	45.0	21.0	9.0	28.0	57.0	6.0	52.0
Total opportunities	17.0	49.0	22.0	9.0	28.0	58.0	6.0	54.0
Indicator value	96.8%	96.2%	96.2%	95.8%	95.9%	96.6%	96.2%	95.9%

Licensee Comments:

4Q/10: DEP re-evaluation of 12/14/10 Ops as-found scenario: EAL SS1.1 loss of all onsite and offsite AC power classification declaration was >15 minutes past T-0 (accurate, but not timely) changed DEP PI from met to not met - green indicator is unchanged.

ERO Drill Participation



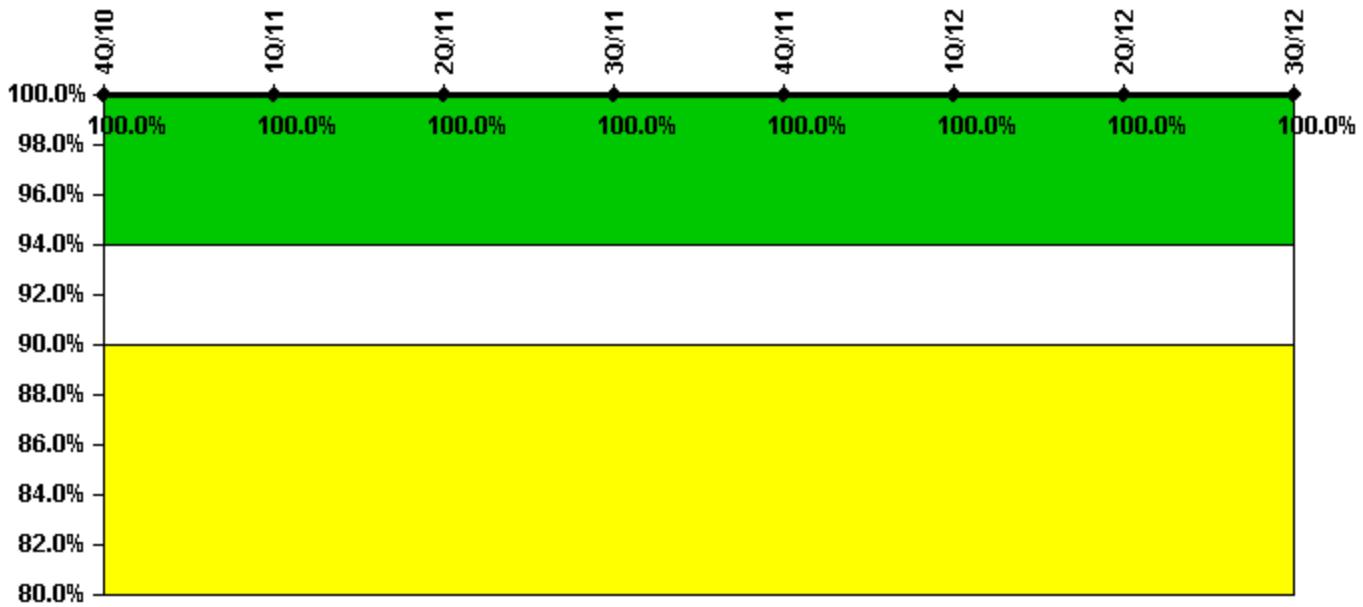
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	104.0	107.0	102.0	104.0	111.0	117.0	112.0	116.0
Total Key personnel	107.0	107.0	104.0	104.0	114.0	118.0	120.0	119.0
Indicator value	97.2%	100.0%	98.1%	100.0%	97.4%	99.2%	93.3%	97.5%

Licensee Comments: none

Alert & Notification System



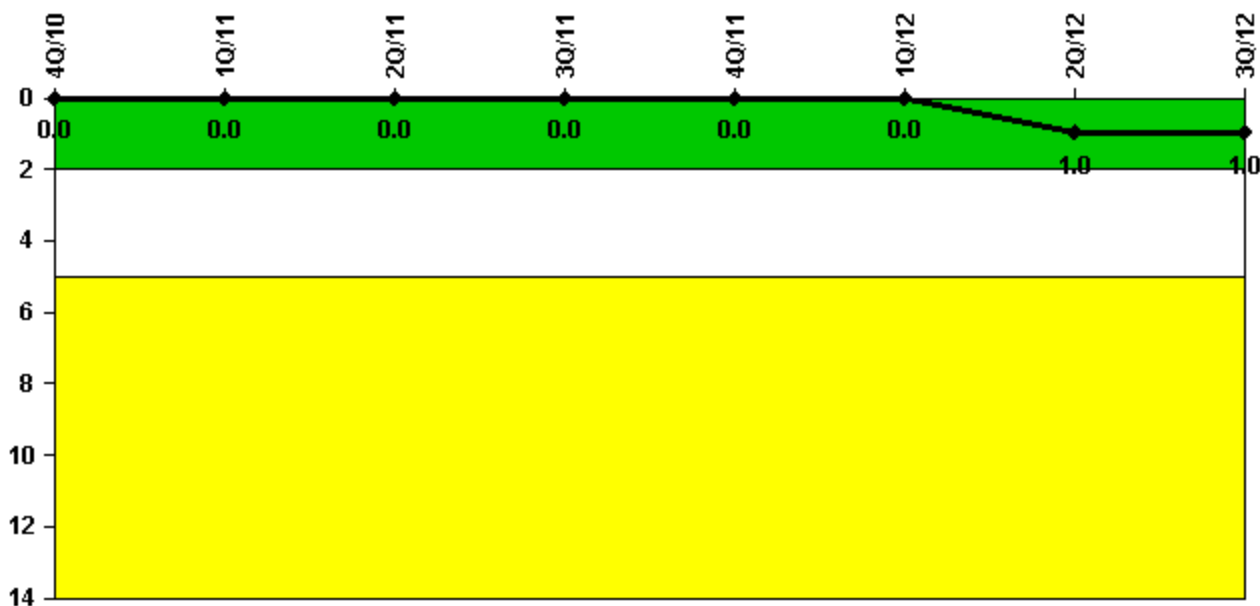
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	917	1048	917	1309	917	1048	916	1310
Total sirens-tests	917	1048	917	1310	917	1048	917	1310
Indicator value	100.0%	100.0%	100.0%	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

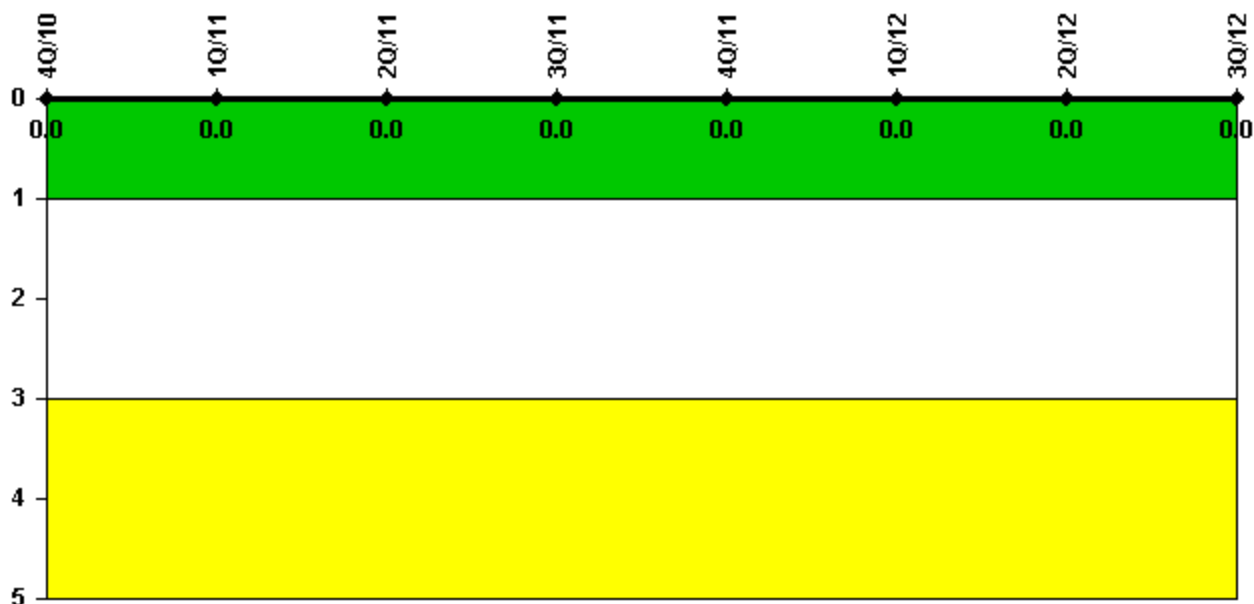
Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
High radiation area occurrences	0	0	0	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	1	1

Licensee Comments:

1Q/12: A March 2012 "High radiation area occurrence" was retracted in July 2012, following completion of the cause evaluation. The change has no impact on the color of the indicator. The basis for the retraction is contained in SAPN 50499040.

4Q/11: U1 and U2 Occupational Radiation Safety for 4Q2011 approved by manager T. Irving, approval boxes checked by M. Richardson per RS manager request.

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/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

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

 [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 24, 2012