

Davis-Besse

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



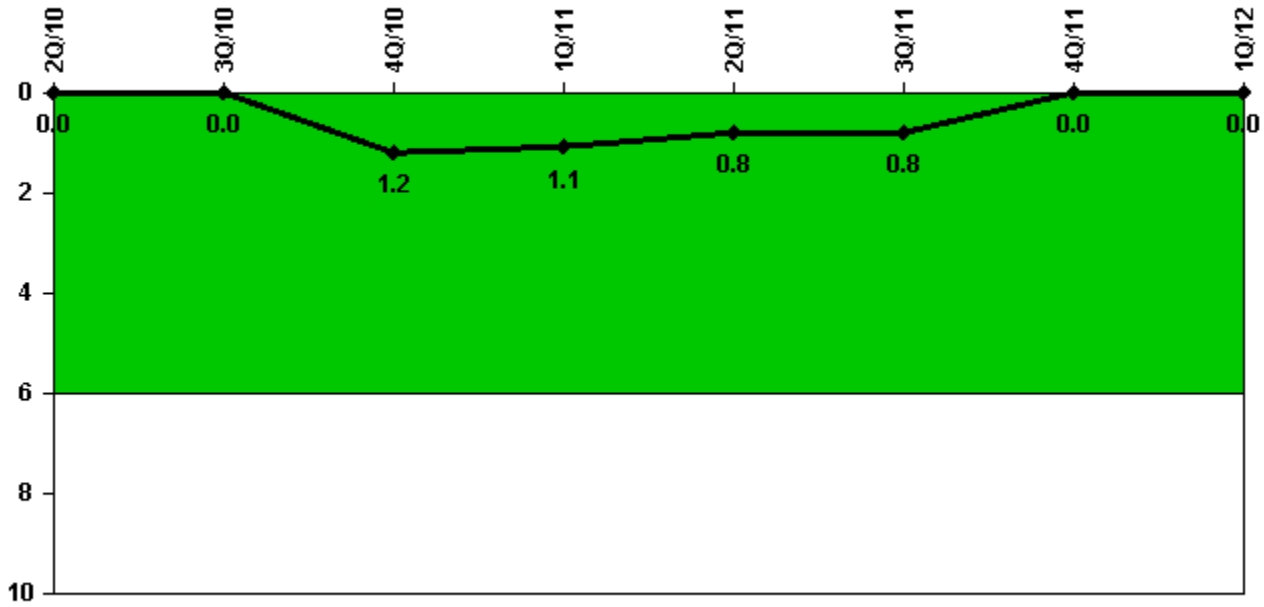
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0
Critical hours	70.5	2208.0	2209.0	2030.0	2184.0	2208.0	643.6	2183.0
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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	70.5	2208.0	2209.0	2030.0	2184.0	2208.0	643.6	2183.0
Indicator value	0	0	1.2	1.1	0.8	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



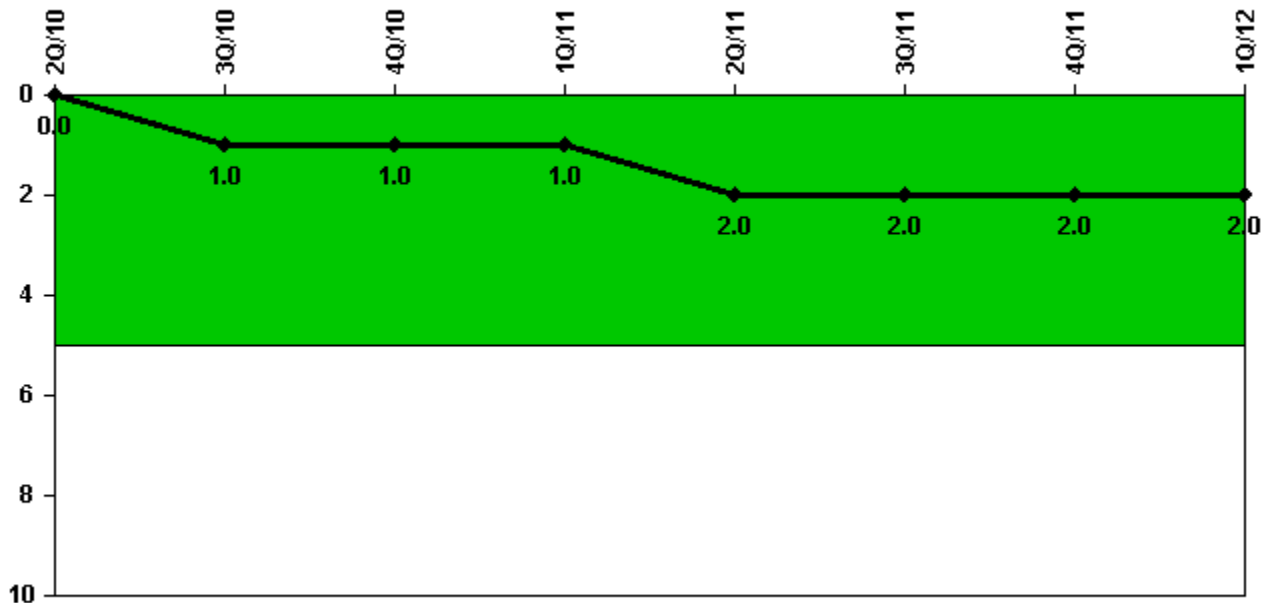
Thresholds: White > 1.0

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	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

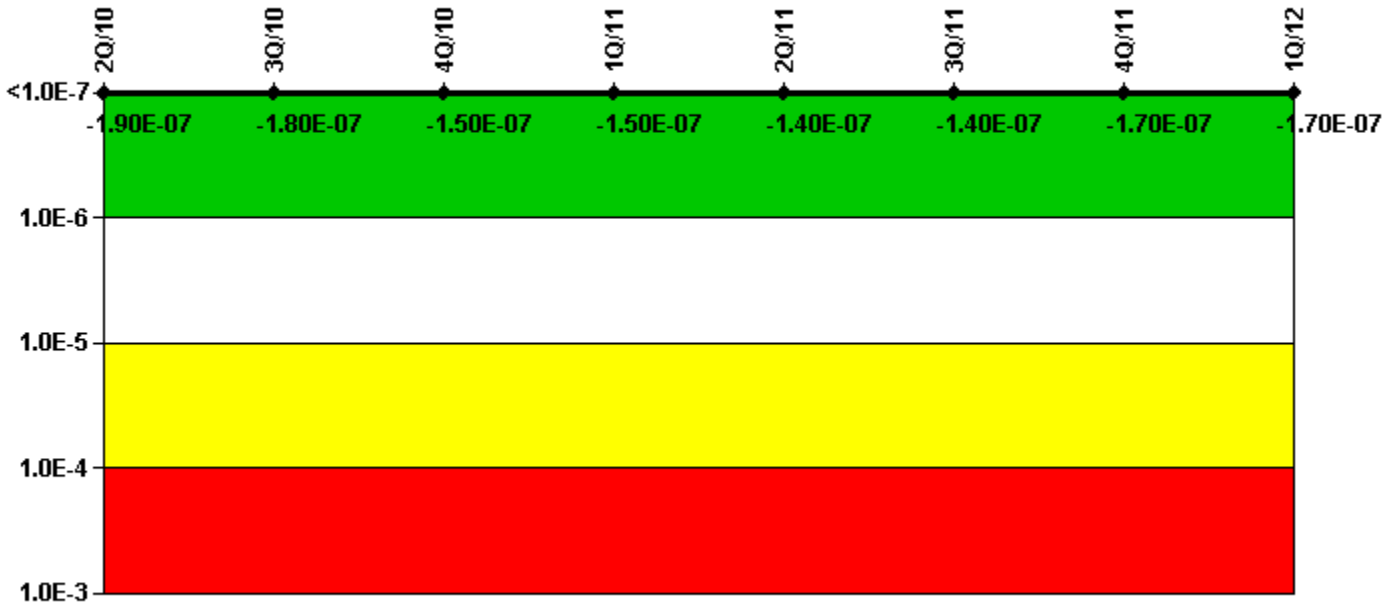
Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	1	0	0	1	1	0	0
Indicator value	0	1	1	1	2	2	2	2

Licensee Comments:

3Q/11: LER 2011-003, Radio Usage Renders Emergency Feedwater Inoperable, submitted 5/2/11; LER 2011-004, Direct Current System Design Issues, submitted 9/26/11.

3Q/10: LER 2009-001 Revision 01 submitted to document event was SSFF

Mitigating Systems Performance Index, Emergency AC Power System



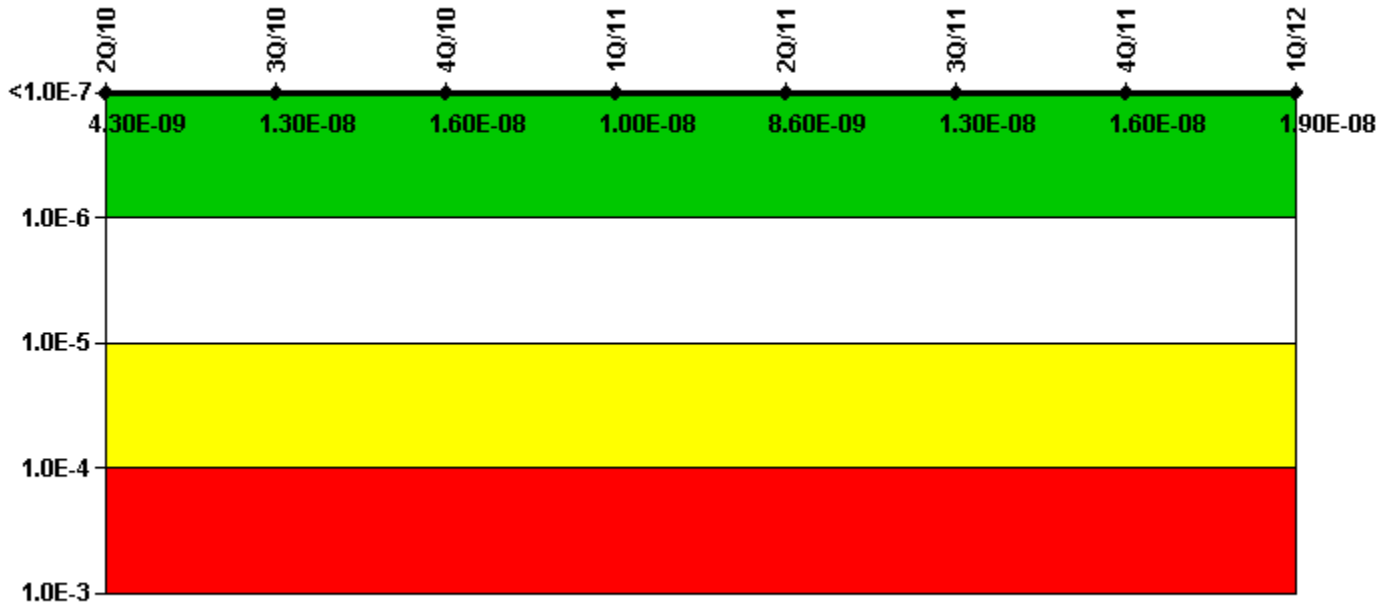
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-3.64E-08	-2.82E-08	9.90E-10	-3.50E-09	5.19E-09	6.06E-09	-2.42E-08	-2.27E-08
URI (Δ CDF)	-1.54E-07	-1.54E-07	-1.49E-07	-1.44E-07	-1.42E-07	-1.43E-07	-1.46E-07	-1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-07	-1.80E-07	-1.50E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.70E-07	-1.70E-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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	8.35E-09	1.70E-08	2.01E-08	1.39E-08	1.22E-08	1.68E-08	2.04E-08	2.31E-08
URI (Δ CDF)	-4.02E-09	-4.08E-09	-4.01E-09	-3.53E-09	-3.65E-09	-3.64E-09	-3.93E-09	-3.93E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.30E-09	1.30E-08	1.60E-08	1.00E-08	8.60E-09	1.30E-08	1.60E-08	1.90E-08

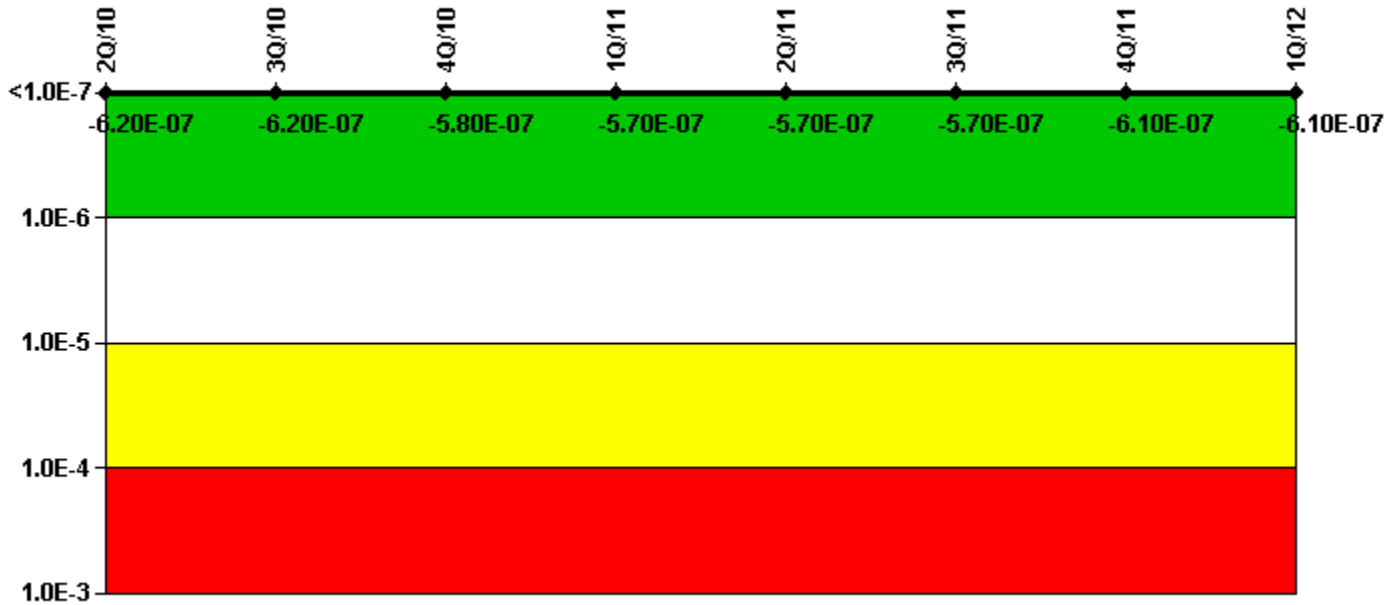
Licensee Comments:

1Q/12: Historical equipment demand data changed for past 3 years to correct calculation methodology

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

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

Mitigating Systems Performance Index, Heat Removal System



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

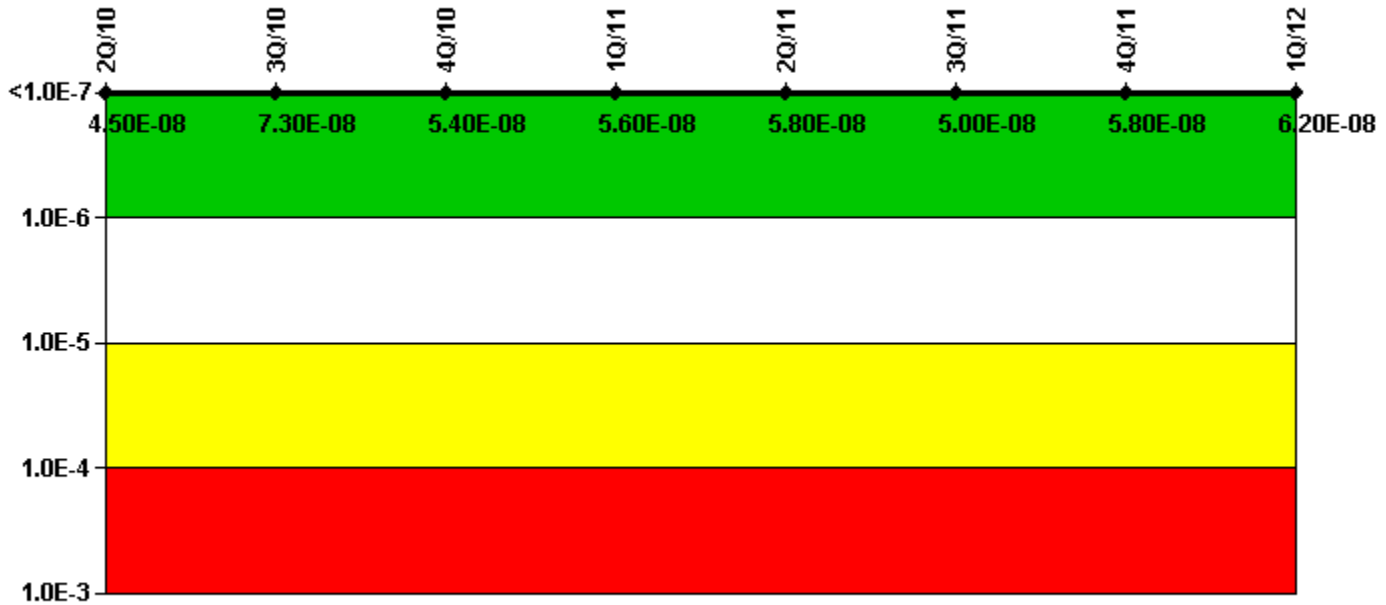
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	8.00E-09	1.61E-08	5.50E-08	5.76E-08	7.45E-08	7.24E-08	3.39E-08	3.47E-08
URI (Δ CDF)	-6.26E-07	-6.33E-07	-6.34E-07	-6.32E-07	-6.40E-07	-6.45E-07	-6.42E-07	-6.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.20E-07	-6.20E-07	-5.80E-07	-5.70E-07	-5.70E-07	-5.70E-07	-6.10E-07	-6.10E-07

Licensee Comments:

1Q/12: Historical equipment demand data changed for past 3 years to correct calculation methodology

Mitigating Systems Performance Index, Residual Heat Removal System



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

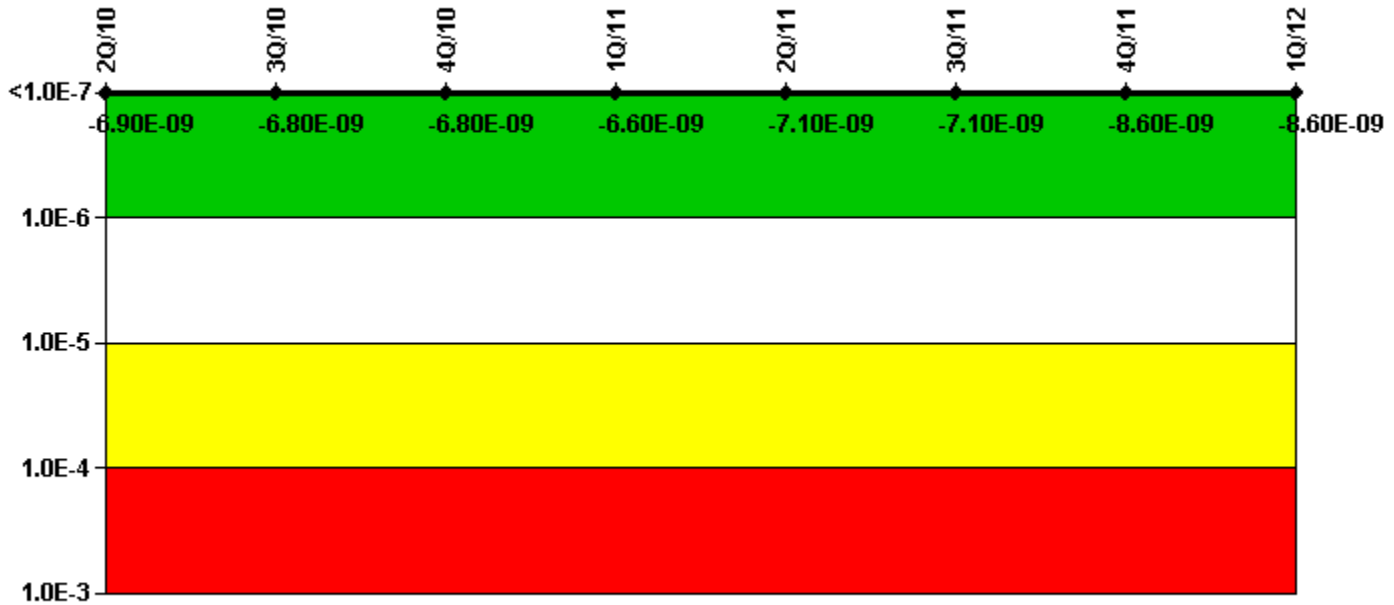
Notes

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)	3.80E-08	6.57E-08	4.72E-08	4.58E-08	4.84E-08	4.10E-08	5.26E-08	5.61E-08
URI (Δ CDF)	7.02E-09	6.95E-09	6.99E-09	9.86E-09	1.00E-08	9.50E-09	5.00E-09	5.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.50E-08	7.30E-08	5.40E-08	5.60E-08	5.80E-08	5.00E-08	5.80E-08	6.20E-08

Licensee Comments:

1Q/12: Historical equipment demand data changed for past 3 years to correct calculation methodology

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)	1.55E-09	1.55E-09	1.54E-09	1.49E-09	1.12E-09	1.12E-09	-3.58E-11	-3.58E-11
URI (Δ CDF)	-8.42E-09	-8.34E-09	-8.39E-09	-8.11E-09	-8.27E-09	-8.20E-09	-8.55E-09	-8.58E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.90E-09	-6.80E-09	-6.80E-09	-6.60E-09	-7.10E-09	-7.10E-09	-8.60E-09	-8.60E-09

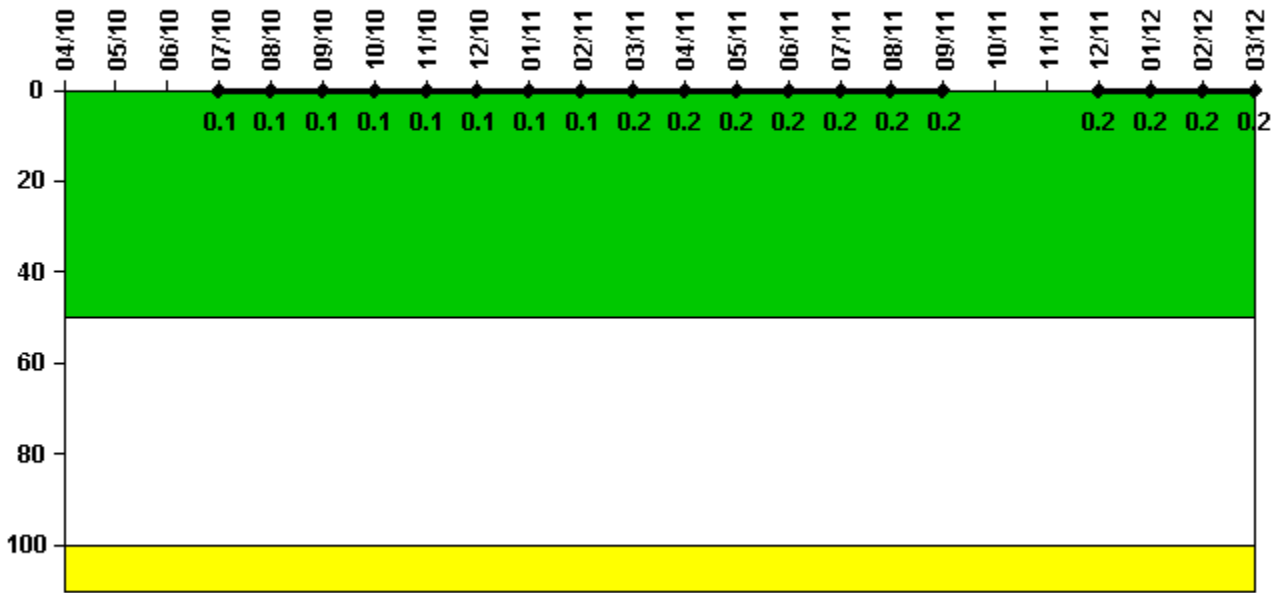
Licensee Comments:

1Q/12: Historical equipment demand data changed for past 3 years to correct calculation methodology

4Q/11: Minor data entry error corrected for 3Q2009. No change in indicator color resulted.

4Q/11: Minor data entry error corrected for 3Q2009. No change in indicator color resulted.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

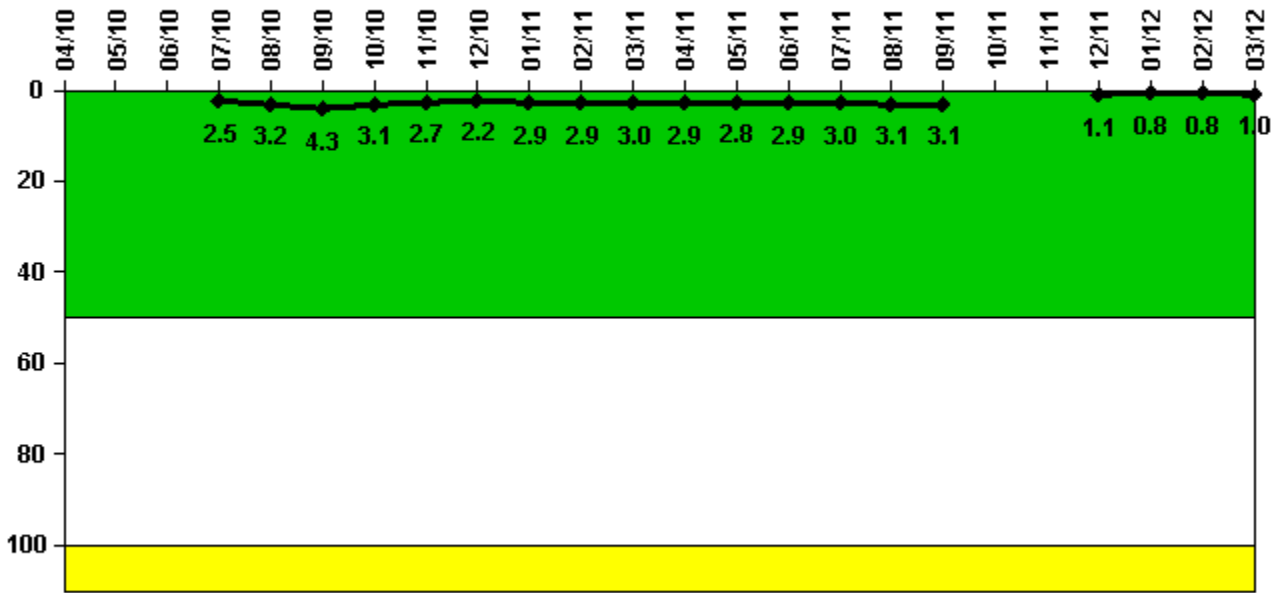
Notes

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	N/A	N/A	N/A	0.001100	0.001100	0.001200	0.001200	0.001300	0.001300	0.001400	0.001400	0.001600
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	N/A	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2

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	0.001500	0.001700	0.001800	0.001800	0.001800	0.001800	N/A	N/A	0.001900	0.001900	0.002000	0.002200
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	0.2	0.2	0.2	0.2	0.2	0.2	N/A	N/A	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



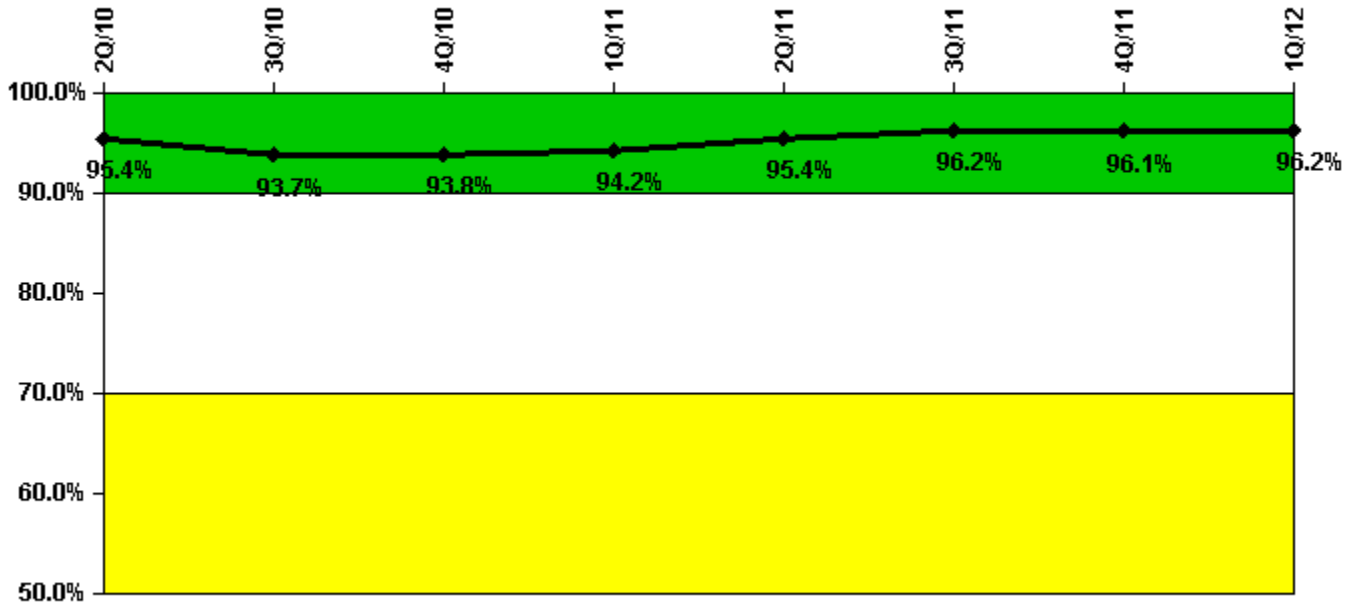
Thresholds: White > 50.0 Yellow > 100.0

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	N/A	N/A	N/A	0.251	0.320	0.427	0.309	0.267	0.219	0.290	0.285	0.296
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	N/A	N/A	N/A	2.5	3.2	4.3	3.1	2.7	2.2	2.9	2.9	3.0
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	0.285	0.279	0.285	0.300	0.312	0.306	N/A	N/A	0.111	0.082	0.076	0.102
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	2.9	2.8	2.9	3.0	3.1	3.1	N/A	N/A	1.1	0.8	0.8	1.0

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

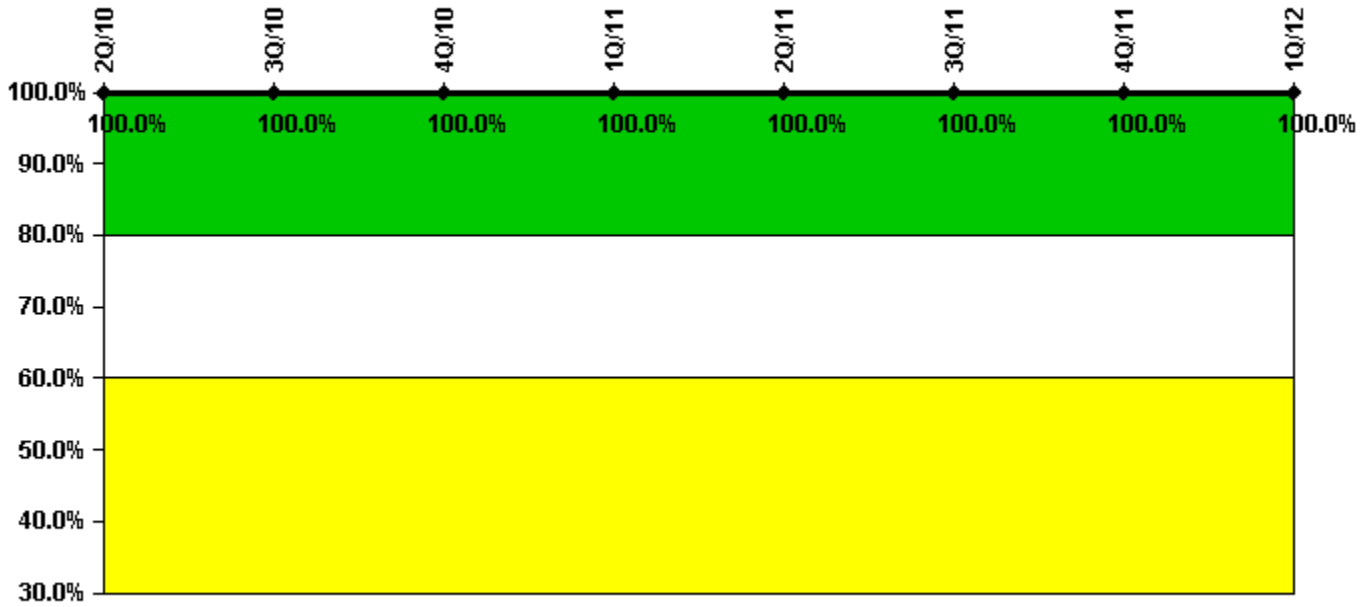
Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	26.0	23.0	59.0	29.0	65.0	12.0	3.0	39.0
Total opportunities	28.0	27.0	61.0	29.0	66.0	12.0	3.0	40.0
Indicator value	95.4%	93.7%	93.8%	94.2%	95.4%	96.2%	96.1%	96.2%

Licensee Comments:

2Q/10: Minor data error in Drill Exercise Performance for June 2010 corrected. This correction did not result in a change to the indicator value.

ERO Drill Participation



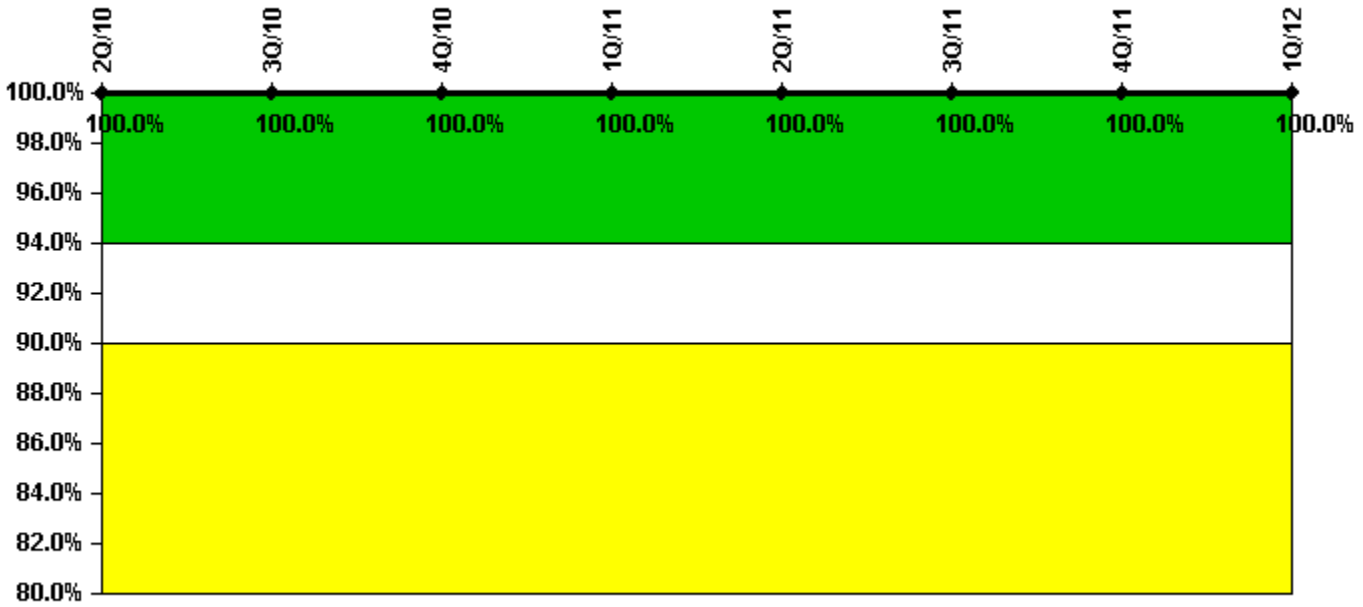
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	99.0	94.0	98.0	93.0	93.0	90.0	88.0	97.0
Total Key personnel	99.0	94.0	98.0	93.0	93.0	90.0	88.0	97.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



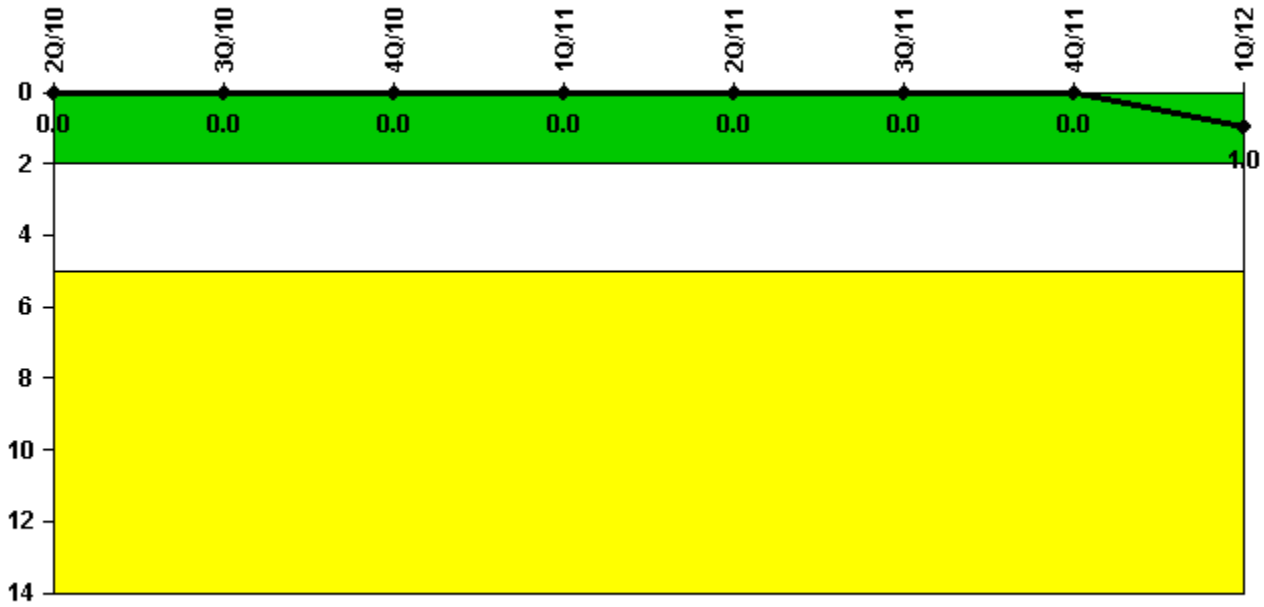
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	648	702	755	648	702	756	702	701
Total sirens-tests	648	702	756	648	702	756	702	702
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



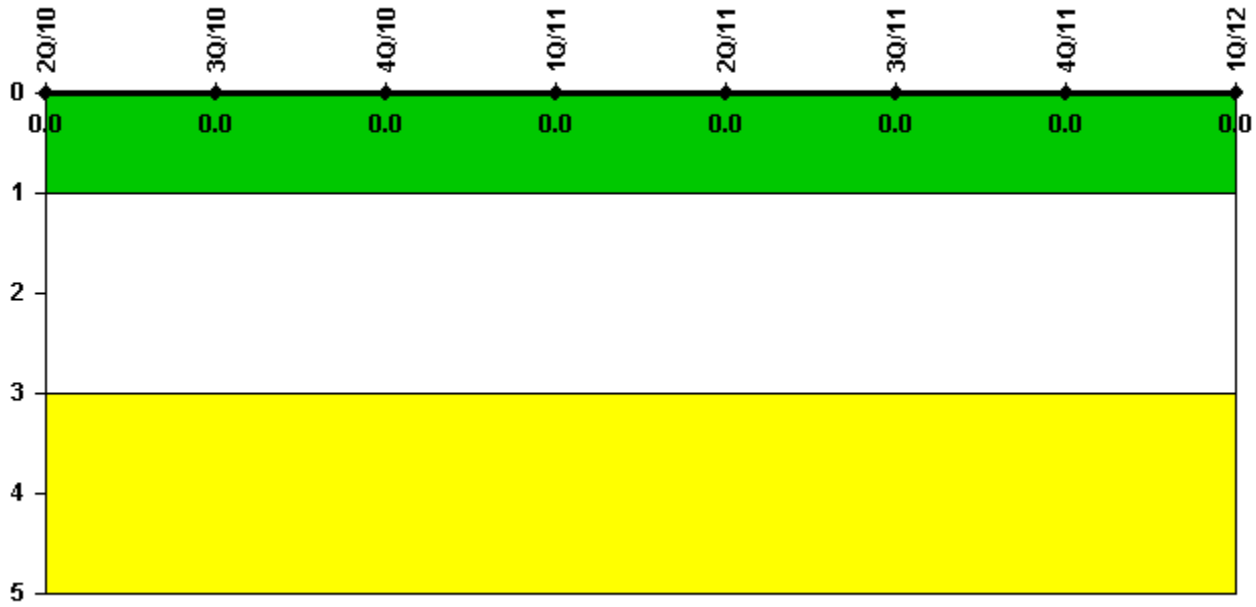
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	1
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	1

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.