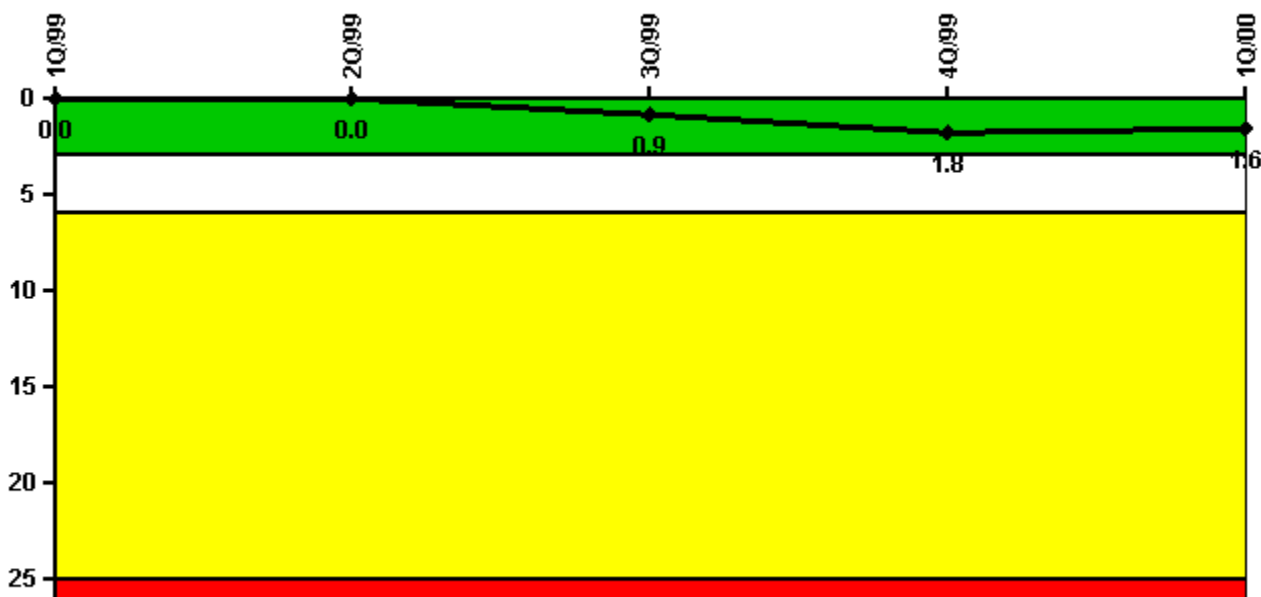


Diablo Canyon 1

1Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



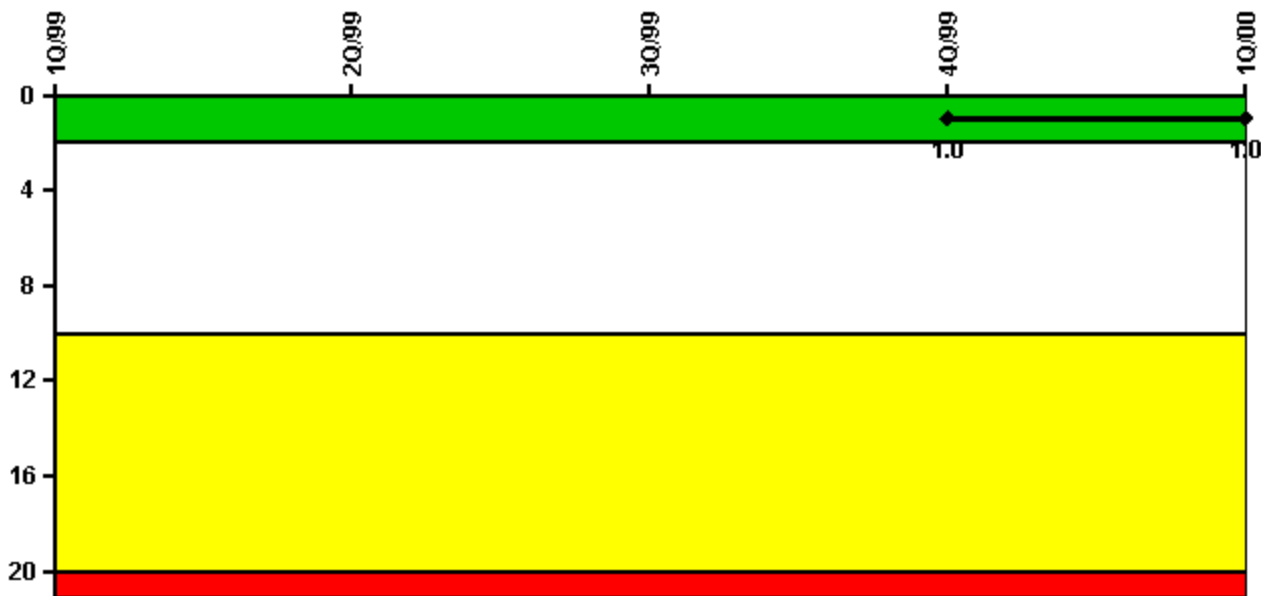
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	1.0	1.0	0
Critical hours	1346.0	2183.0	2168.0	2140.8	2184.0
Indicator value	0	0	0.9	1.8	1.6

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



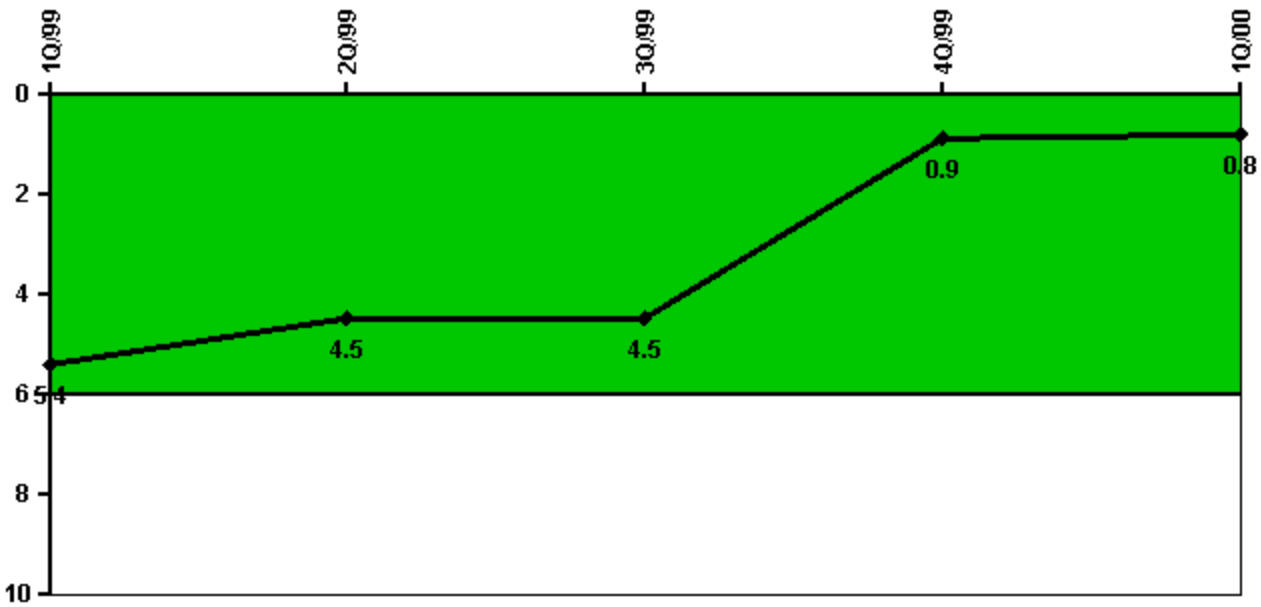
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	1.0	0
Indicator value				1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



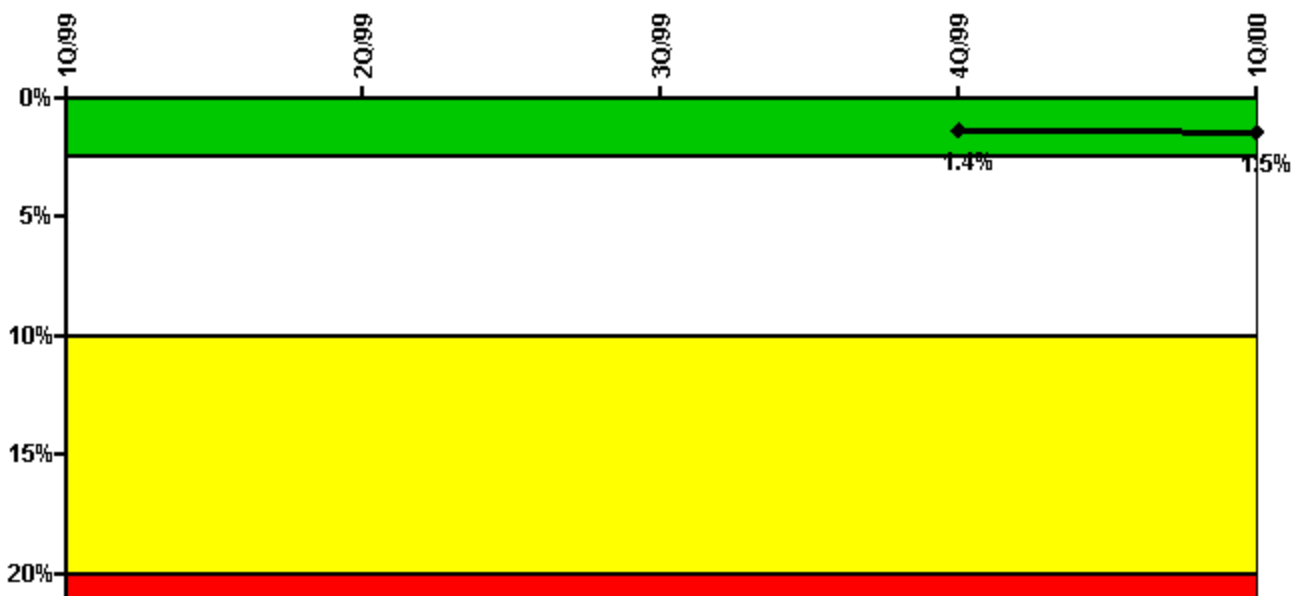
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	1.0	0	0
Critical hours	1346.0	2183.0	2168.0	2140.8	2184.0
Indicator value	5.4	4.5	4.5	0.9	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



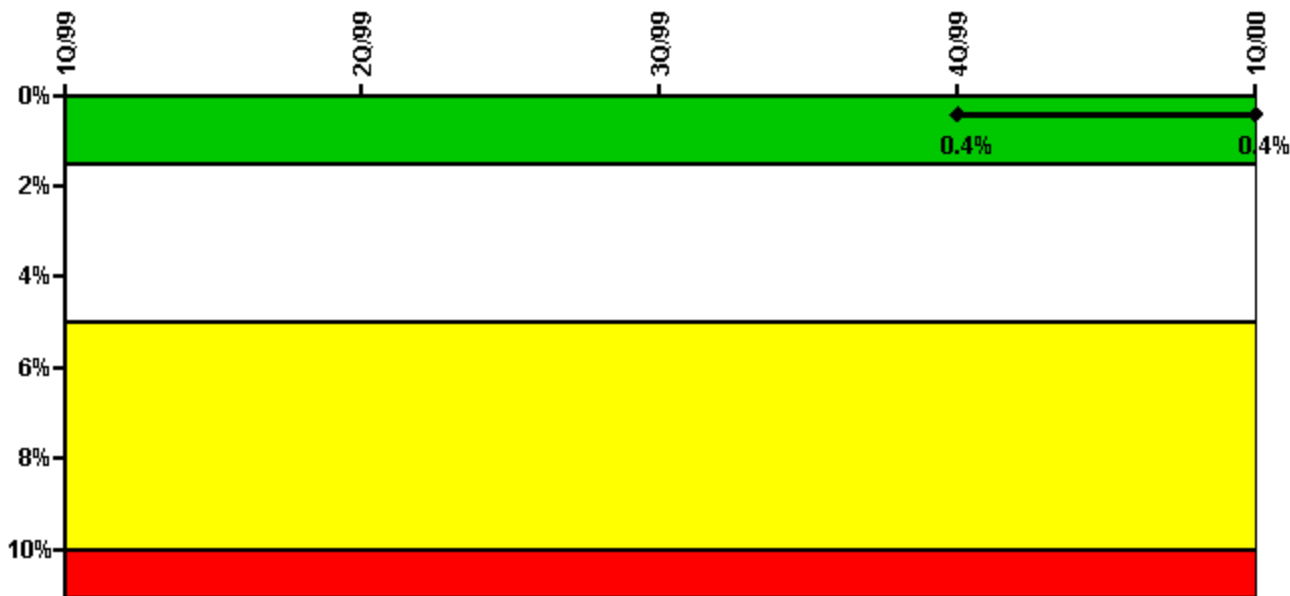
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	35.80	10.30	57.90	1.40	0.17
Unplanned unavailable hours	5.00	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	3.30	64.70	0.70	0	1.18
Unplanned unavailable hours	0.50	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	8.20	25.60	0.47	1.60	0.10
Unplanned unavailable hours	0	0	0	0	20.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value				1.4%	1.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



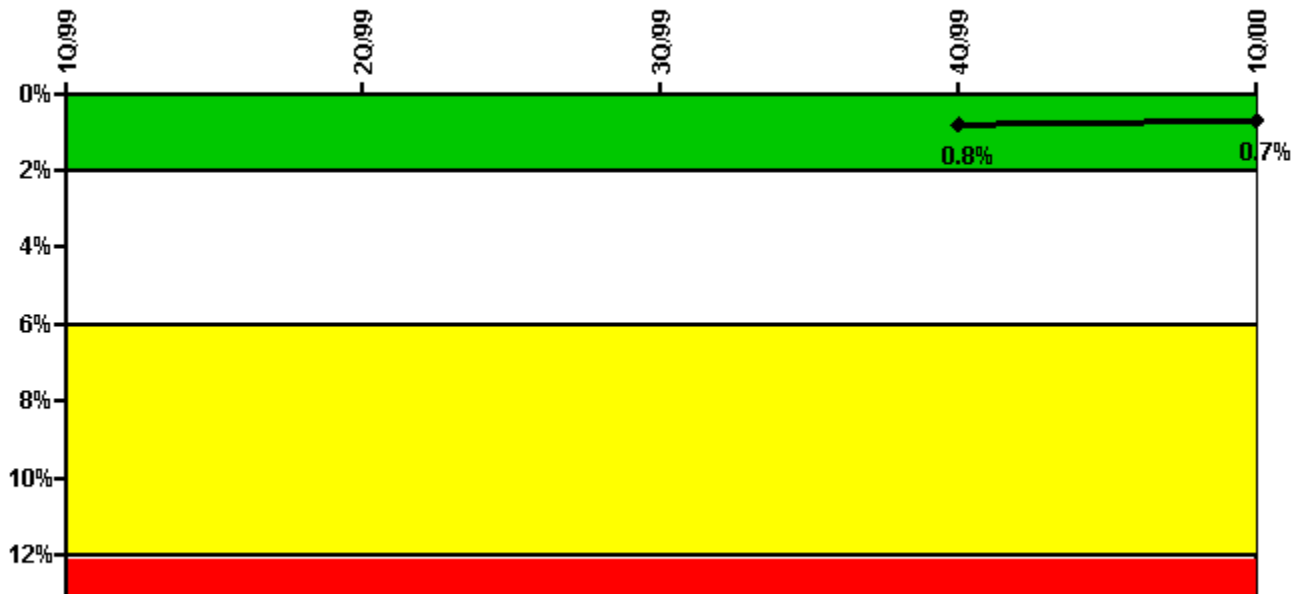
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	0	23.02	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2168.00	2140.80	2184.00
Train 2					
Planned unavailable hours	0	52.70	0	5.00	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2168.00	2140.80	2184.00
Train 3					
Planned unavailable hours	0.30	32.90	0.25	0.40	18.92
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2168.00	2140.80	2184.00
Train 4					
Planned unavailable hours	0.40	11.80	11.58	0.10	1.03
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2168.00	2140.80	2184.00
Indicator value				0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	21.60	16.10	25.62	7.40	18.10
Unplanned unavailable hours	0	0	0.68	0	43.15
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2168.00	2140.80	2184.00
Train 2					
Planned unavailable hours	3.70	15.30	20.17	5.40	12.22
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2168.00	2140.80	2184.00
Train 3					
Planned unavailable hours	0.70	1.00	24.30	1.10	1.28
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2168.00	2140.80	2184.00
Indicator value				0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



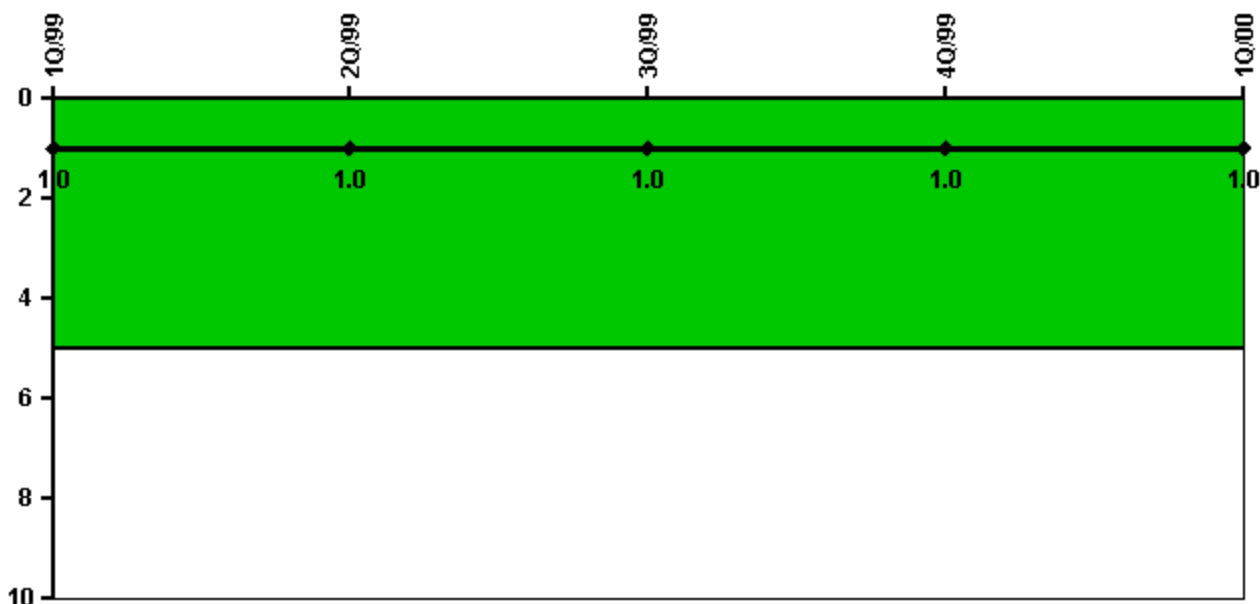
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	2.80	0.20	14.75	2.60	1.08
Unplanned unavailable hours	0	0	1.62	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2208.00	2140.80	2184.00
Train 2					
Planned unavailable hours	16.70	0.60	11.98	0.30	2.77
Unplanned unavailable hours	0	0	0.97	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1346.00	2183.00	2208.00	2140.80	2184.00
Indicator value				0.2%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)



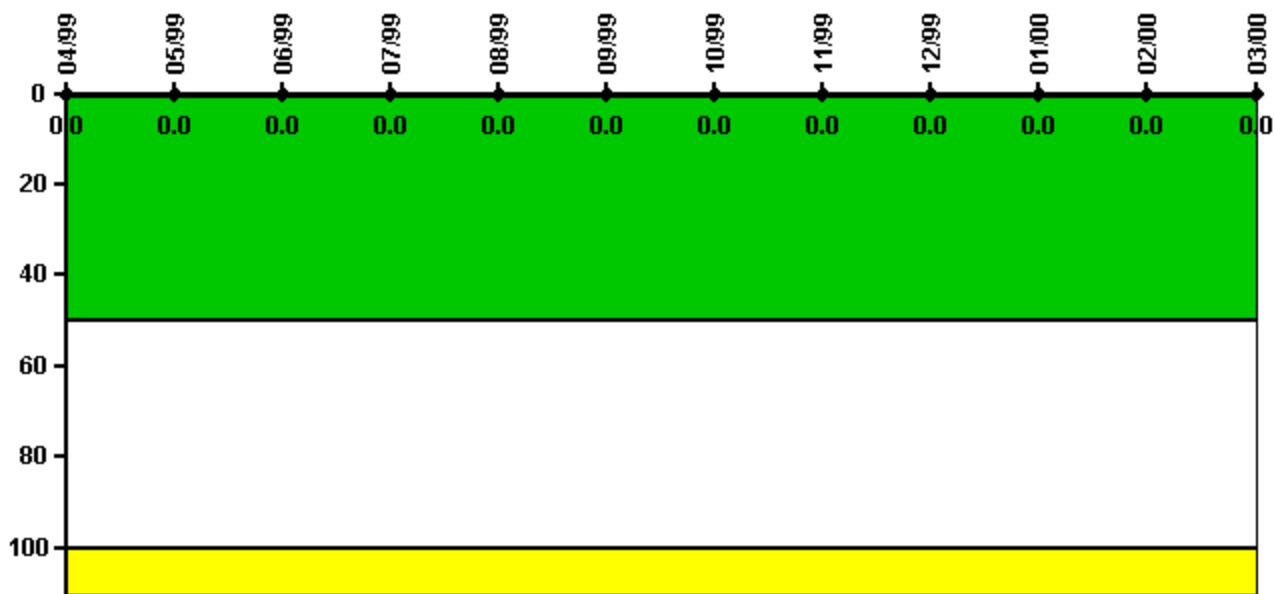
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Safety System Functional Failures	0	0	0	1	0
Indicator value	1	1	1	1	1

Licensee Comments: none

Reactor Coolant System Activity



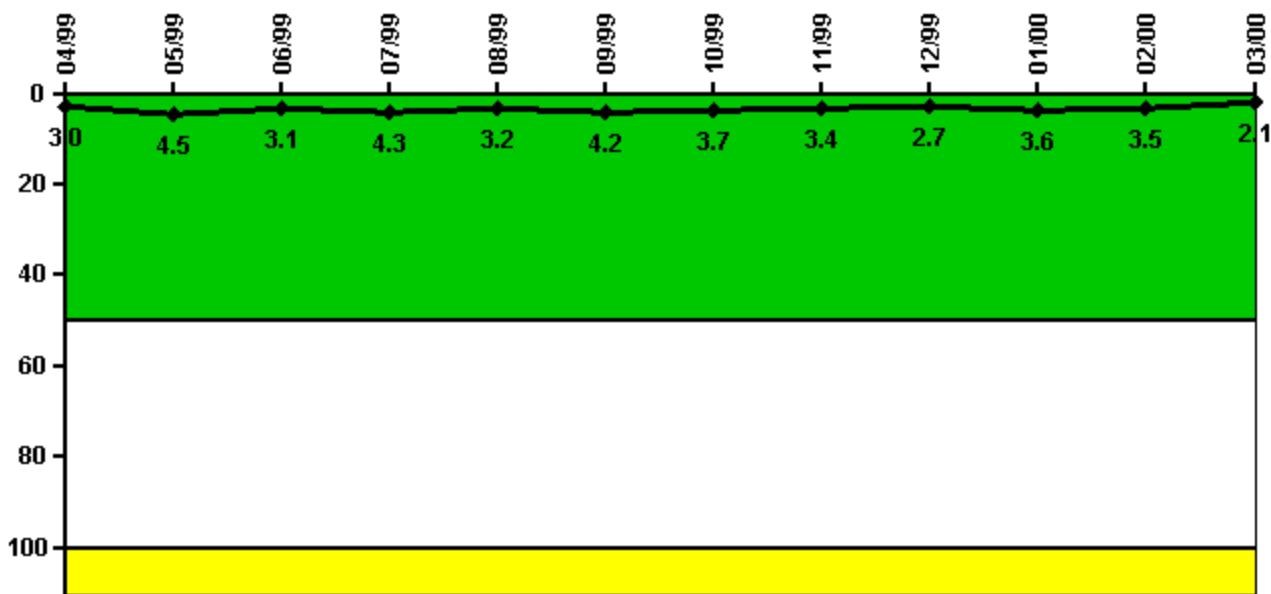
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000309	0.000256	0.000361	0.000440	0.000364	0.000424	0.000412	0.000364	0.000444	0.000424	0.000495	0.000482
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



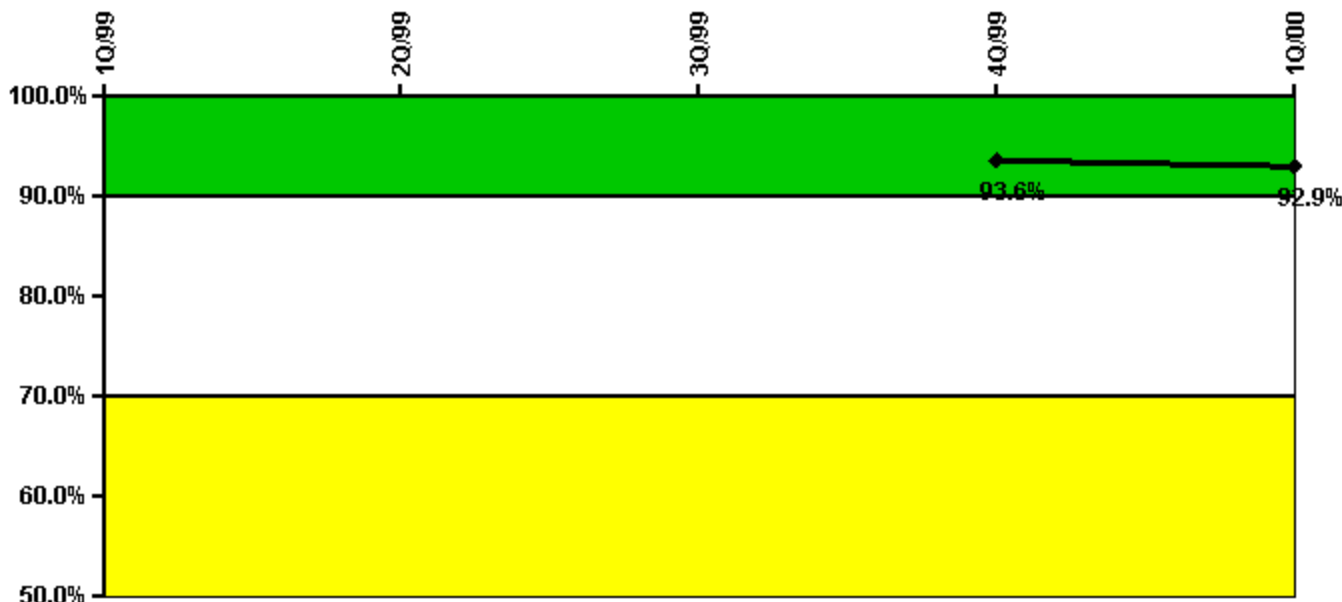
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	0.304	0.452	0.306	0.425	0.320	0.421	0.365	0.340	0.270	0.357	0.349	0.214
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	3.0	4.5	3.1	4.3	3.2	4.2	3.7	3.4	2.7	3.6	3.5	2.1

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

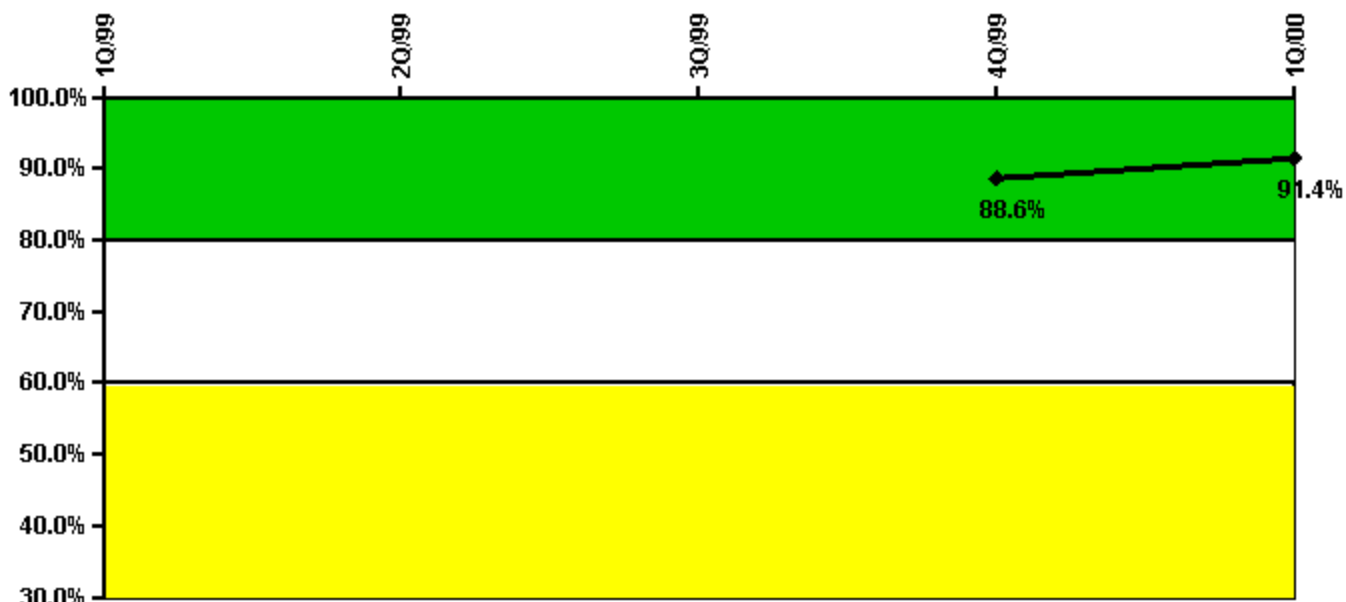
Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	14.0	44.0	3.0	10.0	24.0
Total opportunities	14.0	45.0	4.0	10.0	27.0
Indicator value				93.6%	92.9%

Licensee Comments:

2Q/99: The 2Q98, 4Q98 and 2Q99 drill/exercise performance data totals for opportunities and successes, provided in our 1/21/00 historical data submittal, included data for follow-up protective action recommendations (PARs). Based on additional assessment of NEI 99-02 guidance following the historical data submittal, we have concluded that follow-up PARs should not be counted as opportunities and have therefore deleted these data from the totals for the opportunities and successes. This change does not affect the color of the PI - it remains green (reference AR A0506404).

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

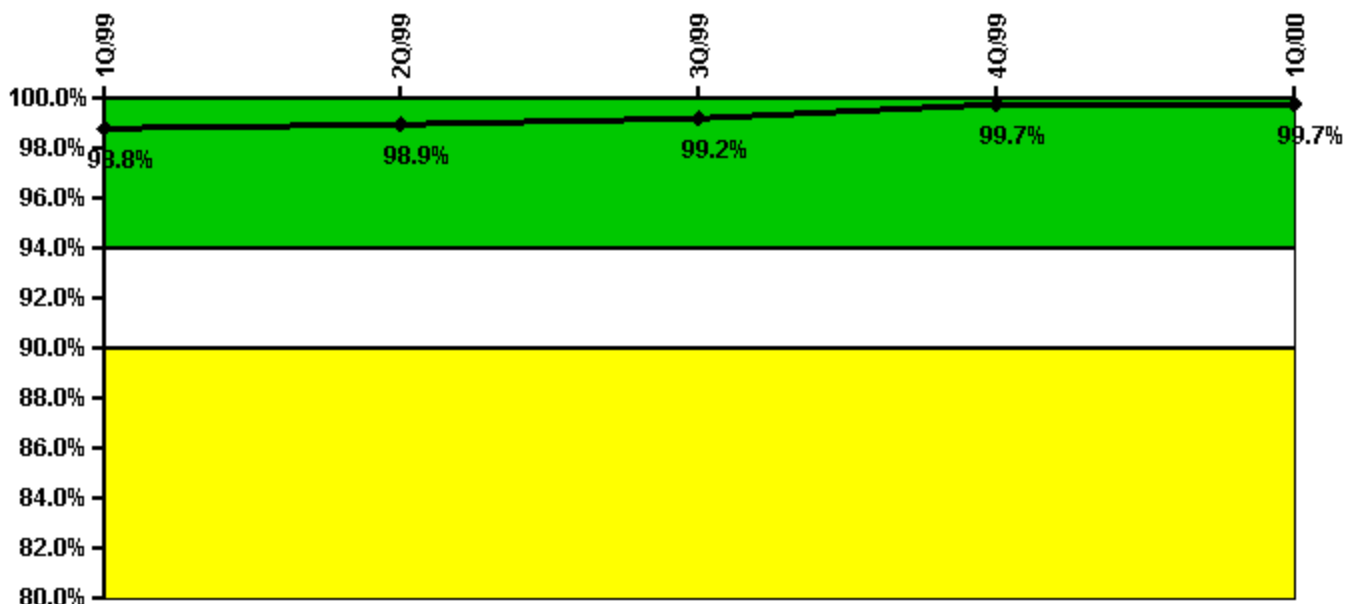
Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				62.0	53.0
Total Key personnel				70.0	58.0
Indicator value				88.6%	91.4%

Licensee Comments:

4Q/99: The 4Q99 data for ERO participation, submitted in our 1/21/00 historical data submittal, was based on the total number of personnel that had been identified as key ERO personnel throughout the 8 quarter period associated with this PI. Consistent with EP-ERO FAQ No. 46 on page 101 of NEI 99-02 Rev. 0, this correction is submitted to change the number of key ERO personnel to the number that was identified as such on December 31, 1999. In addition, the shift foreman has been eliminated from the designated key ERO positions. This is based on the fact that the shift manager is responsible for both the shift manager and shift communicator functions. These changes do not affect the color of the PI - it remains green (reference AR A0506233)

Alert & Notification System



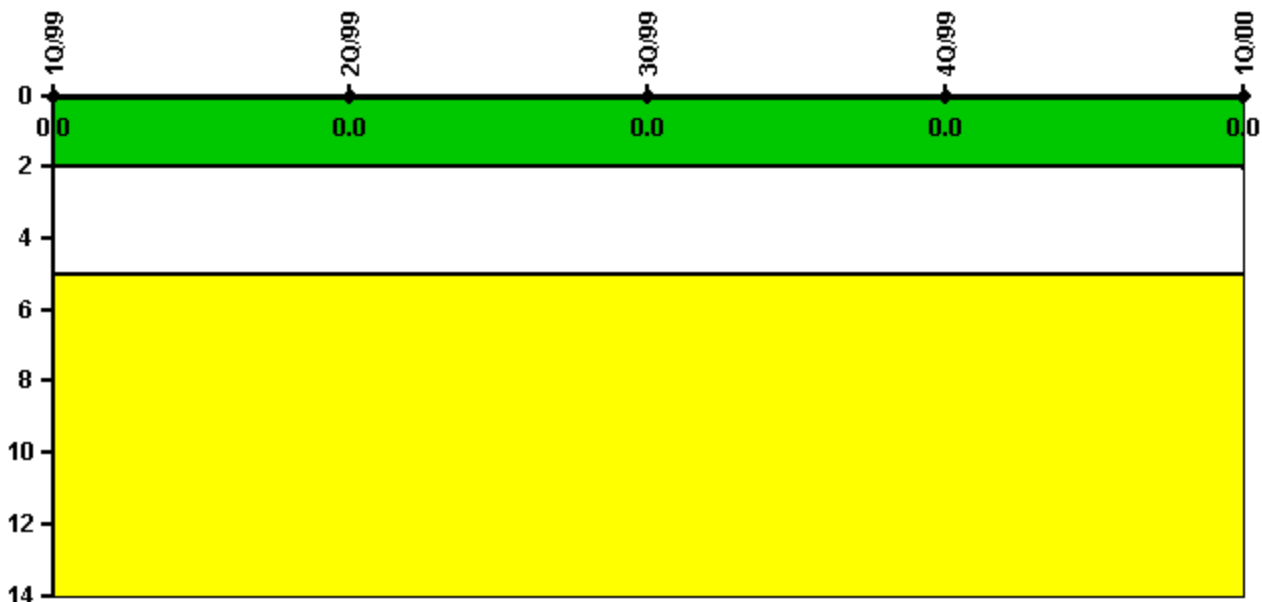
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	912	912	1045	1179	912
Total sirens-tests	917	917	1048	1179	917
Indicator value	98.8%	98.9%	99.2%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



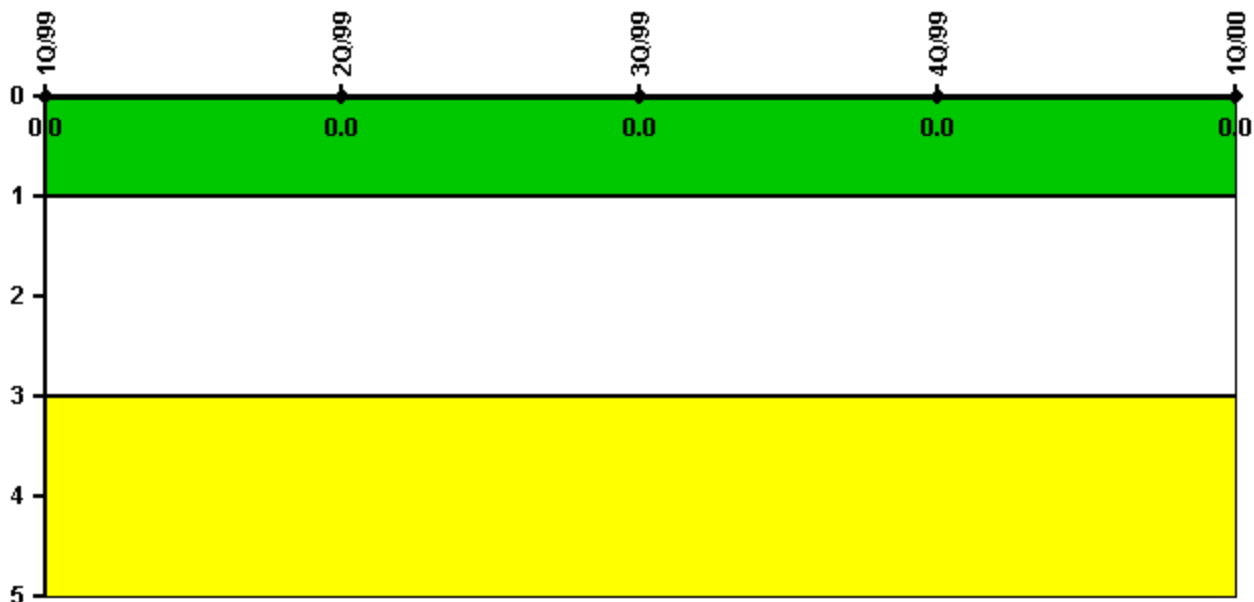
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



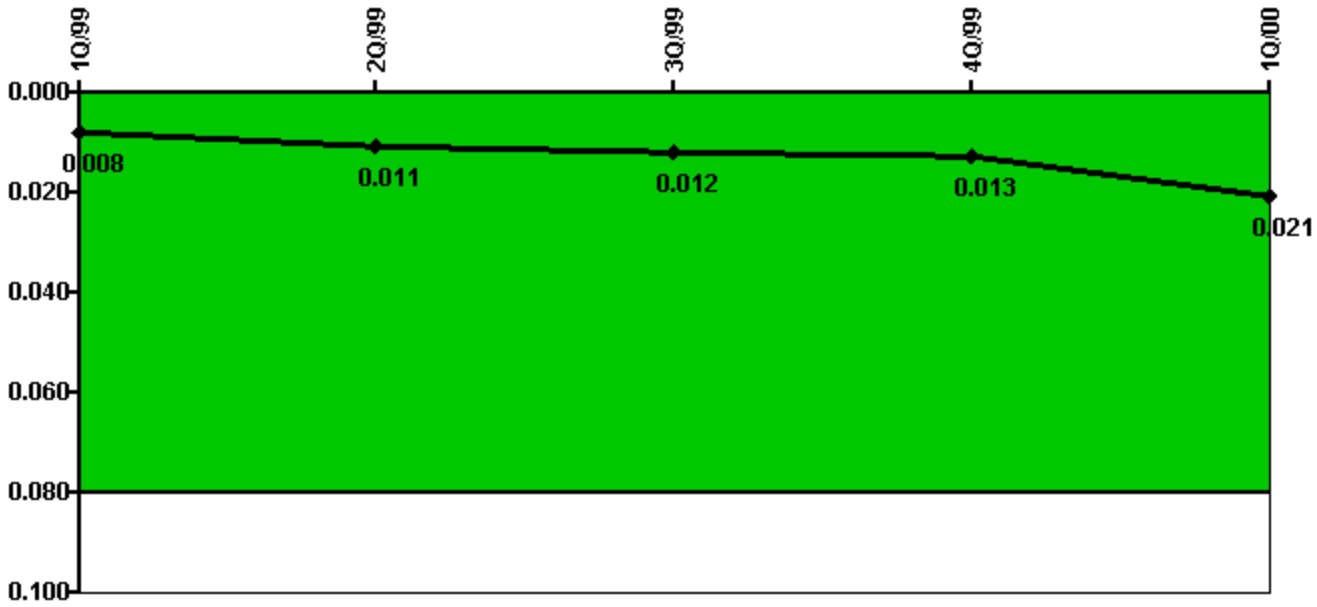
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



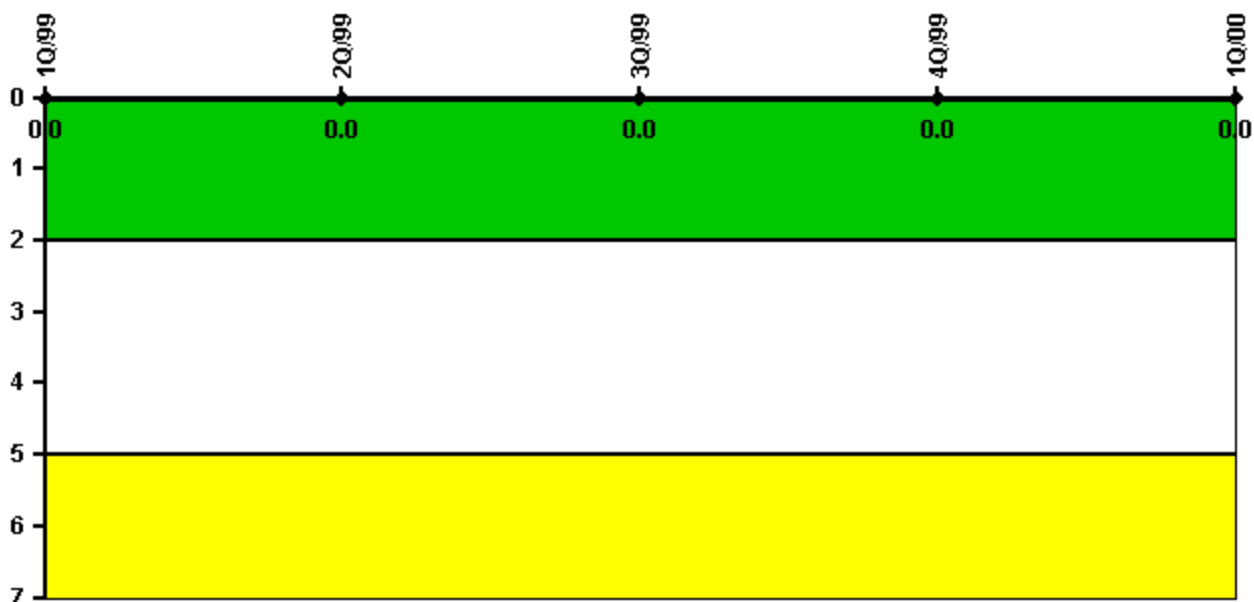
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	246.00	126.00	86.00	67.00	573.00
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.25	2.25	2.25	2.25	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2
Index Value	0.008	0.011	0.012	0.013	0.021

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

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

Last Modified: April 1, 2002

Diablo Canyon 1

2Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



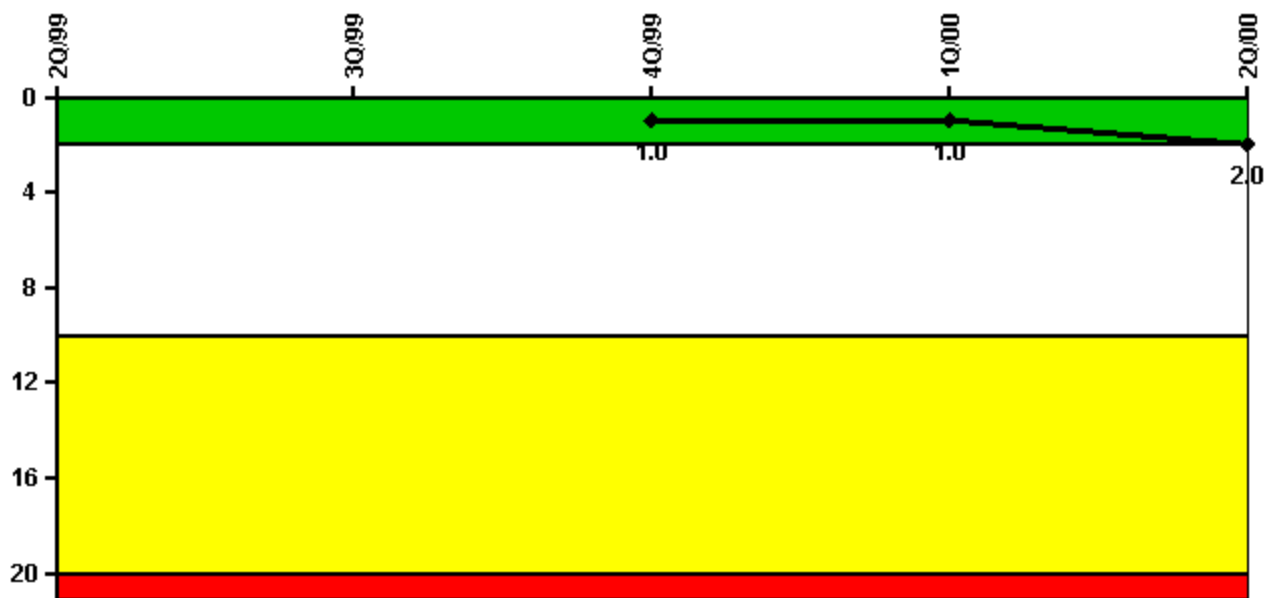
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	1.0	1.0	0	1.0
Critical hours	2183.0	2168.0	2140.8	2184.0	1906.8
Indicator value	0	0.9	1.8	1.6	2.5

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



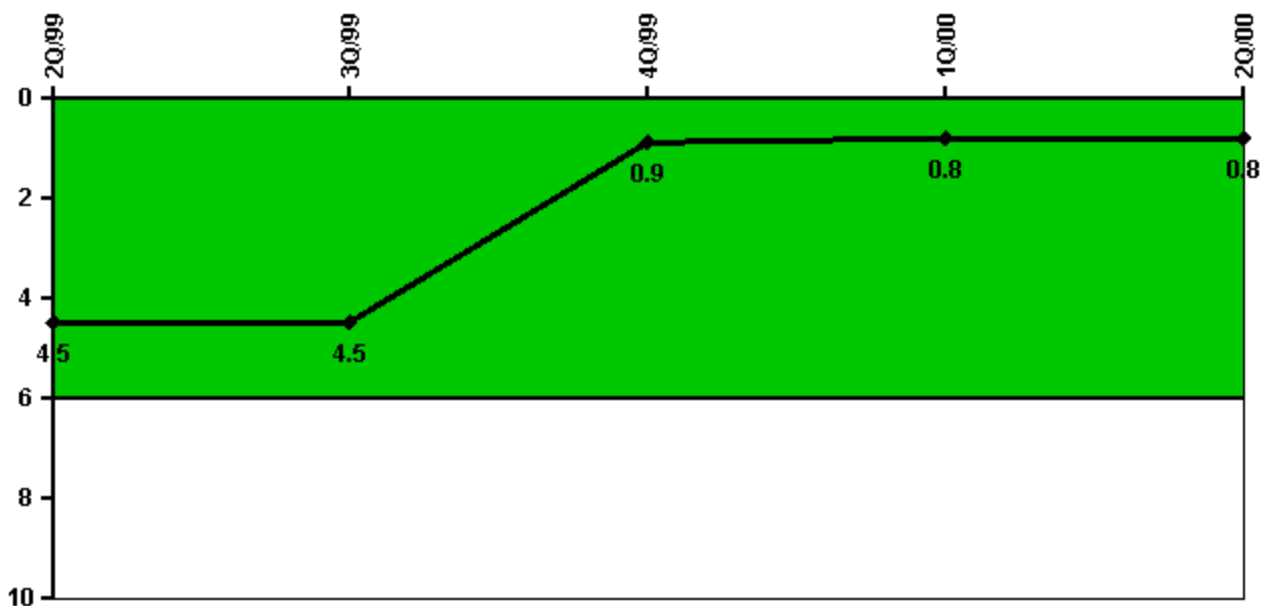
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	1.0	0	1.0
Indicator value			1.0	1.0	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/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	1.0	0	0	0
Critical hours	2183.0	2168.0	2140.8	2184.0	1906.8
Indicator value	4.5	4.5	0.9	0.8	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



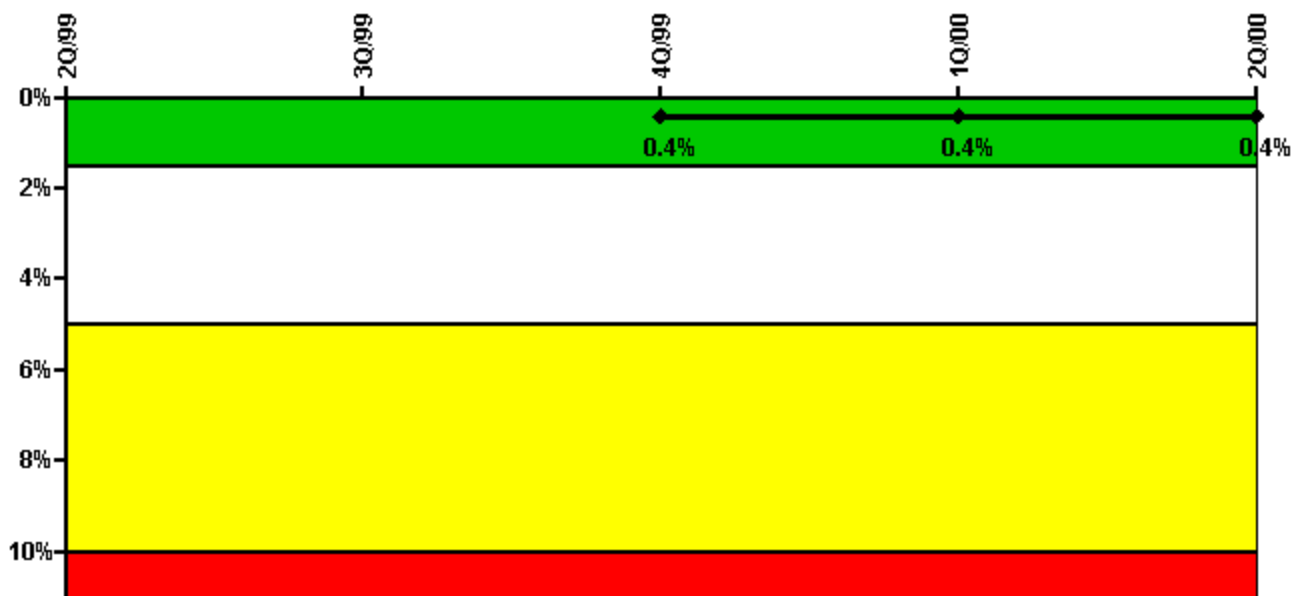
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	10.30	57.90	1.40	0.17	0.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	64.70	0.70	0	1.18	51.80
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	25.60	0.47	1.60	0.10	11.20
Unplanned unavailable hours	0	0	0	20.50	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value			1.4%	1.5%	1.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



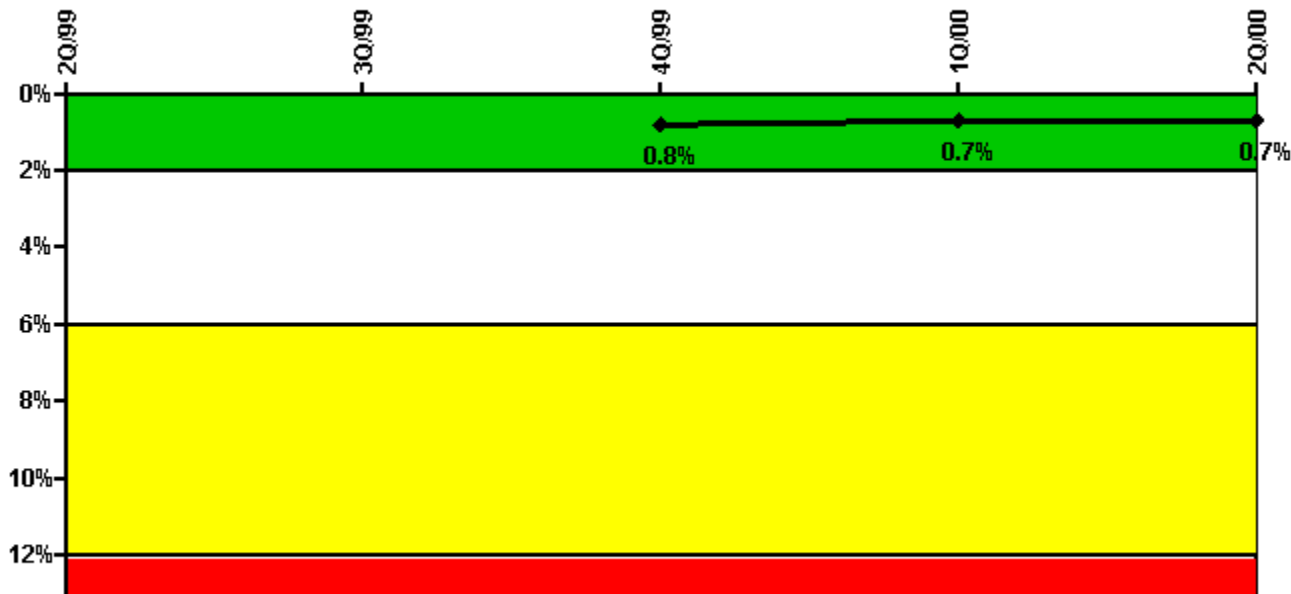
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	23.02	0	0	44.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2168.00	2140.80	2184.00	1906.80
Train 2					
Planned unavailable hours	52.70	0	5.00	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2168.00	2140.80	2184.00	1906.80
Train 3					
Planned unavailable hours	32.90	0.25	0.40	18.92	0.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2168.00	2140.80	2184.00	1906.80
Train 4					
Planned unavailable hours	11.80	11.58	0.10	1.03	26.20
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2168.00	2140.80	2184.00	1906.80
Indicator value			0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



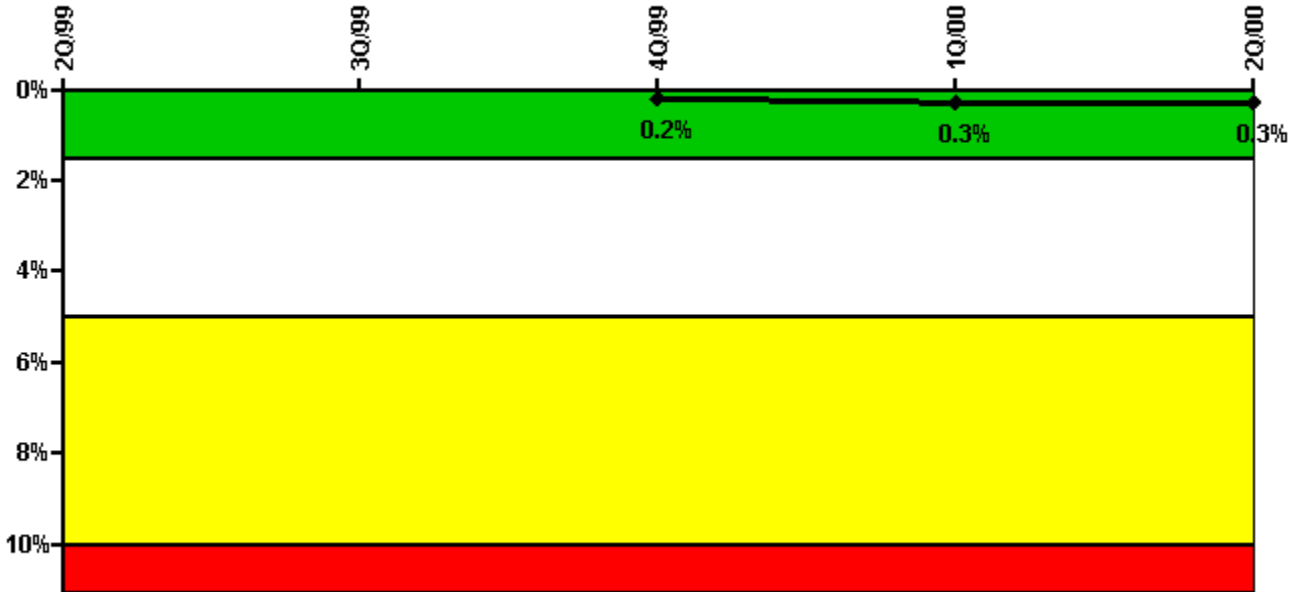
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	16.10	25.62	7.40	18.10	22.60
Unplanned unavailable hours	0	0.68	0	43.15	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2168.00	2140.80	2184.00	1906.80
Train 2					
Planned unavailable hours	15.30	20.17	5.40	12.22	1.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2168.00	2140.80	2184.00	1906.80
Train 3					
Planned unavailable hours	1.00	24.30	1.10	1.28	10.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2168.00	2140.80	2184.00	1906.80
Indicator value			0.8%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



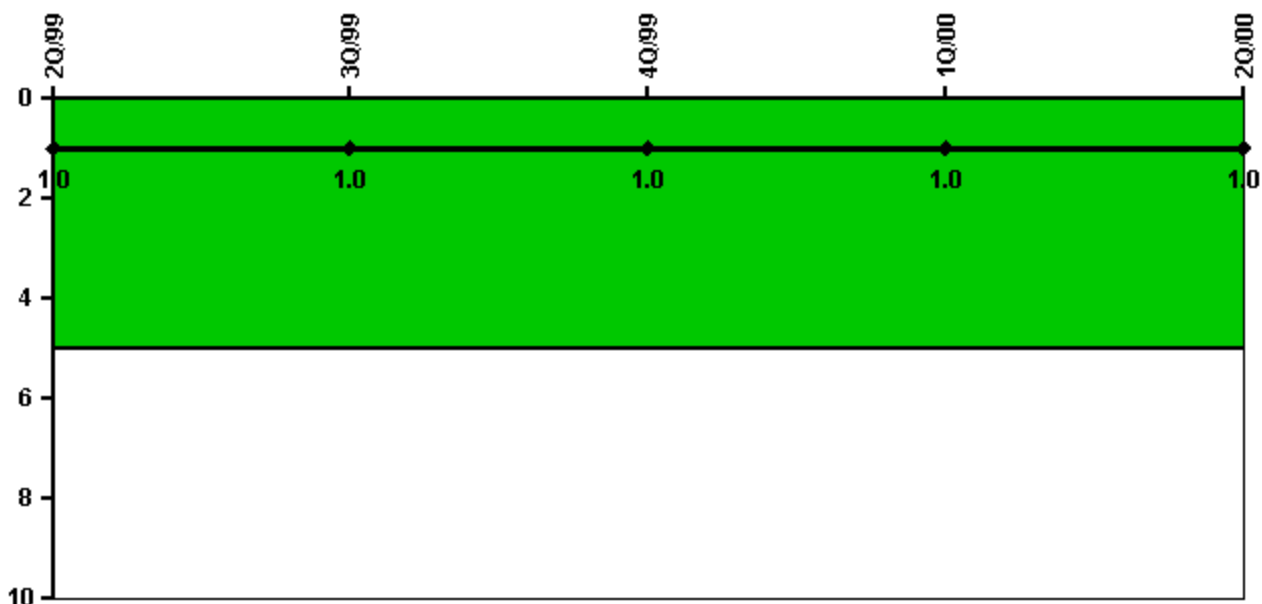
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0.20	14.75	2.60	1.08	26.10
Unplanned unavailable hours	0	1.62	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2140.80	2184.00	2183.00
Train 2					
Planned unavailable hours	0.60	11.98	0.30	2.77	22.10
Unplanned unavailable hours	0	0.97	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2140.80	2184.00	2183.00
Indicator value			0.2%	0.3%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)



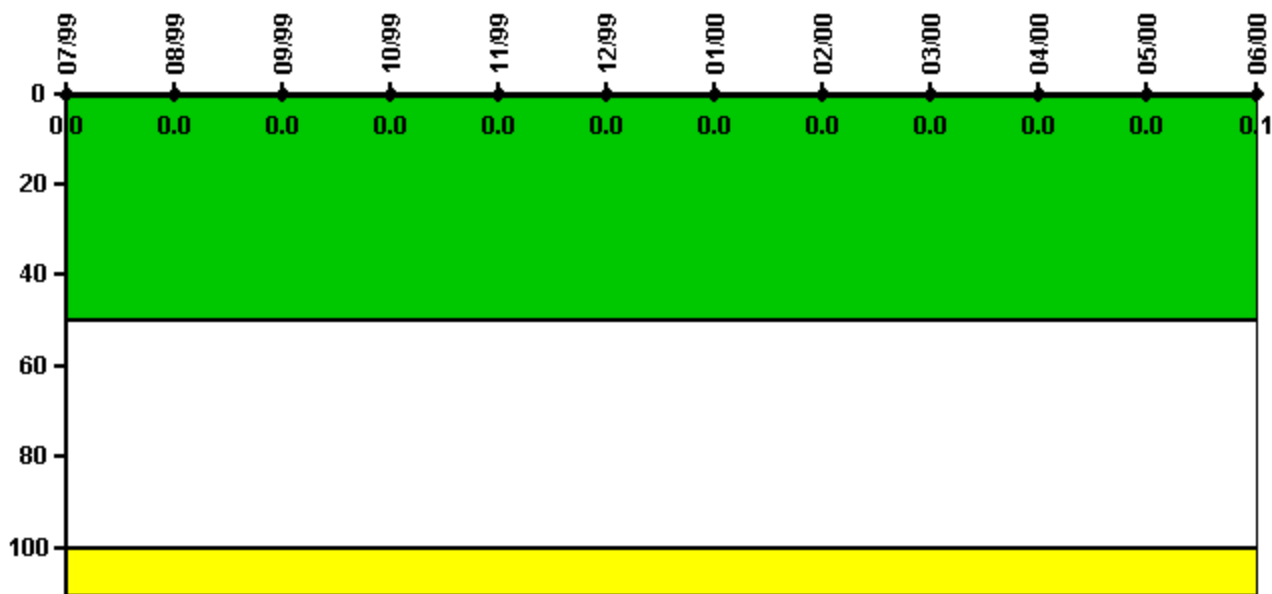
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Safety System Functional Failures	0	0	1	0	0
Indicator value	1	1	1	1	1

Licensee Comments: none

Reactor Coolant System Activity



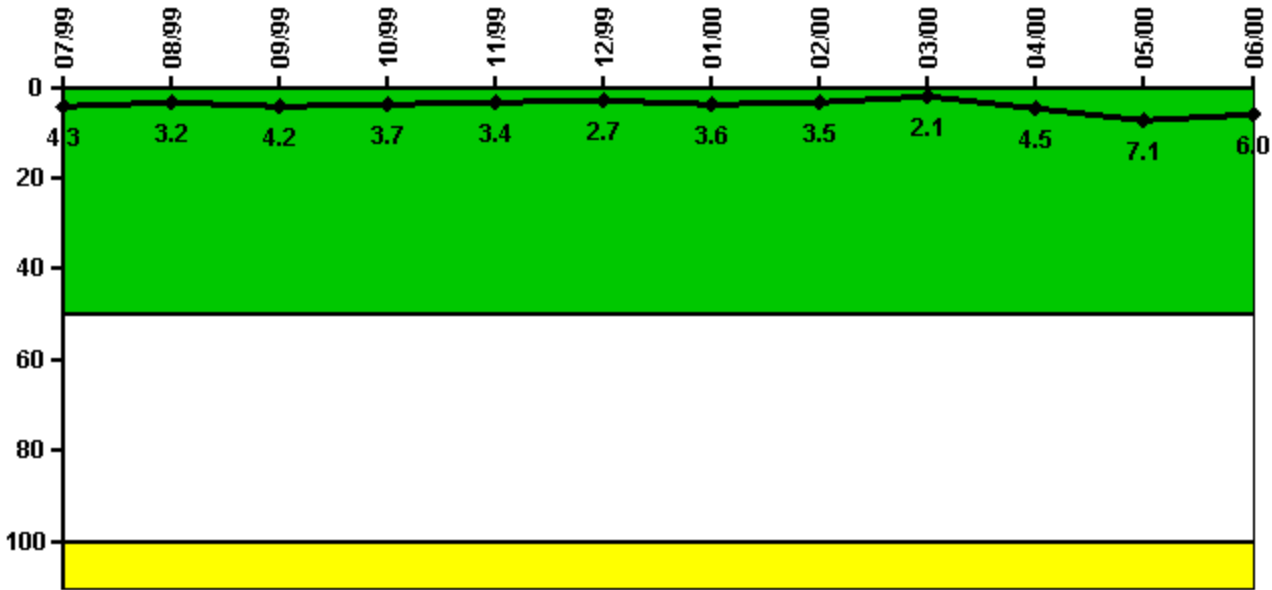
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.000440	0.000364	0.000424	0.000412	0.000364	0.000444	0.000424	0.000495	0.000482	0.000408	0.000486	0.000605
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	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

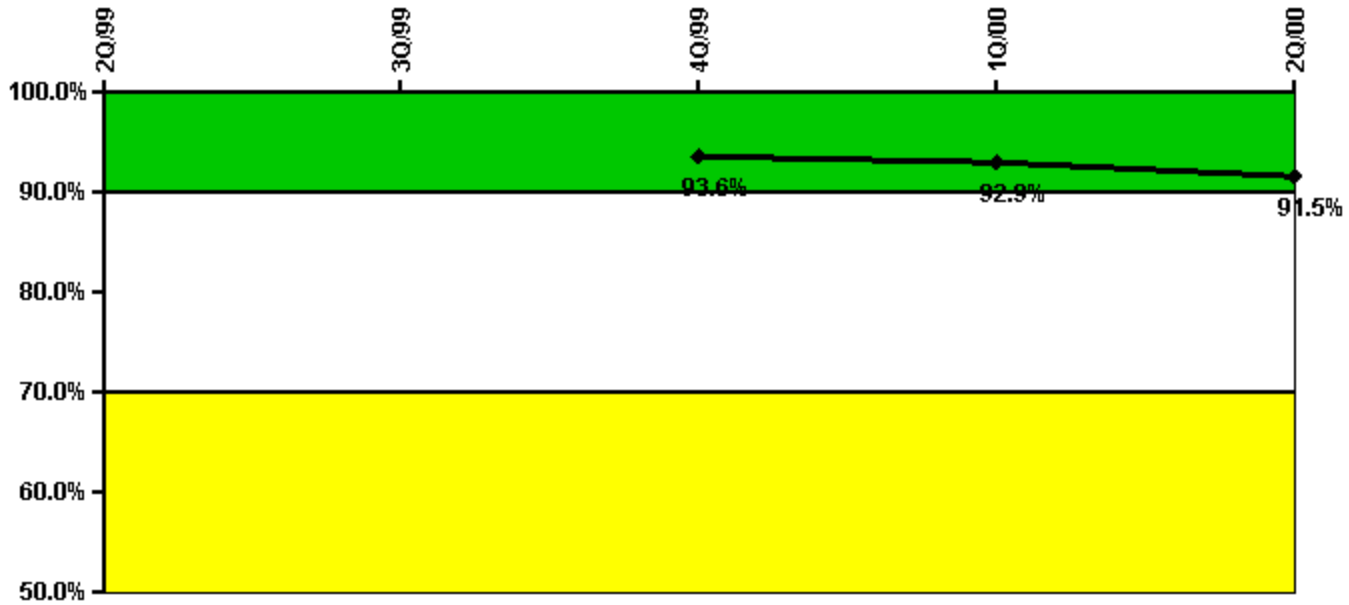
Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	0.425	0.320	0.421	0.365	0.340	0.270	0.357	0.349	0.214	0.454	0.705	0.602
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	4.3	3.2	4.2	3.7	3.4	2.7	3.6	3.5	2.1	4.5	7.1	6.0

Licensee Comments:

6/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

Drill/Exercise Performance



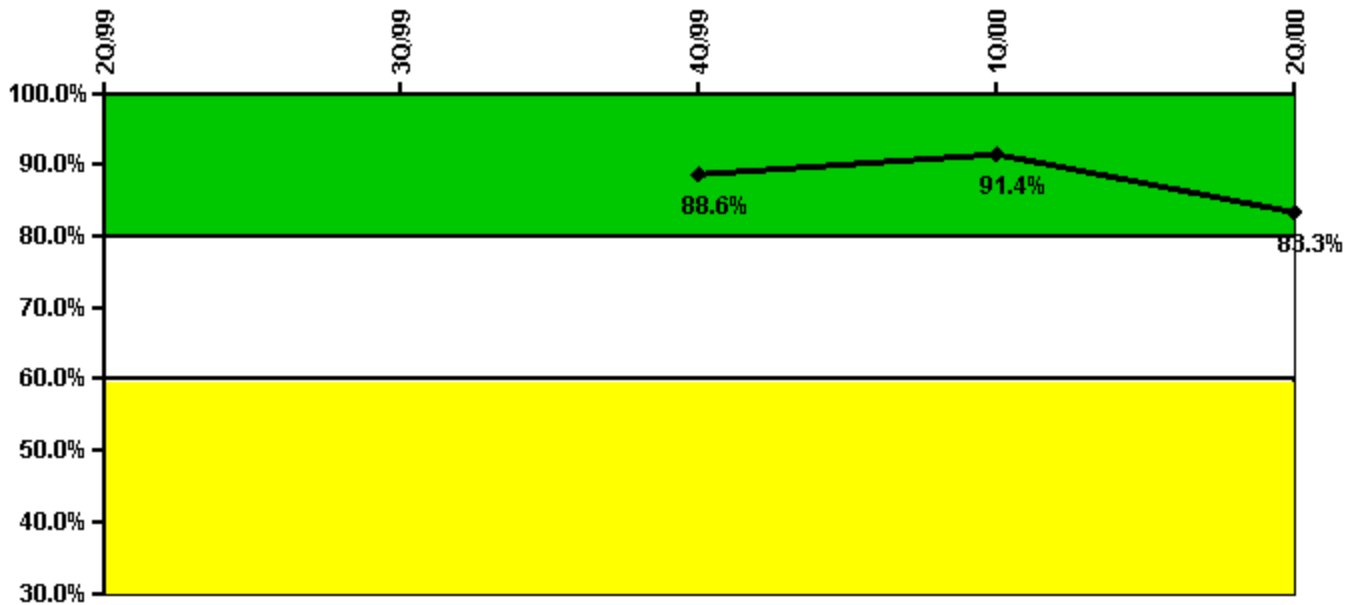
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	44.0	3.0	10.0	24.0	28.0
Total opportunities	45.0	4.0	10.0	27.0	33.0
Indicator value			93.6%	92.9%	91.5%

Licensee Comments: none

ERO Drill Participation



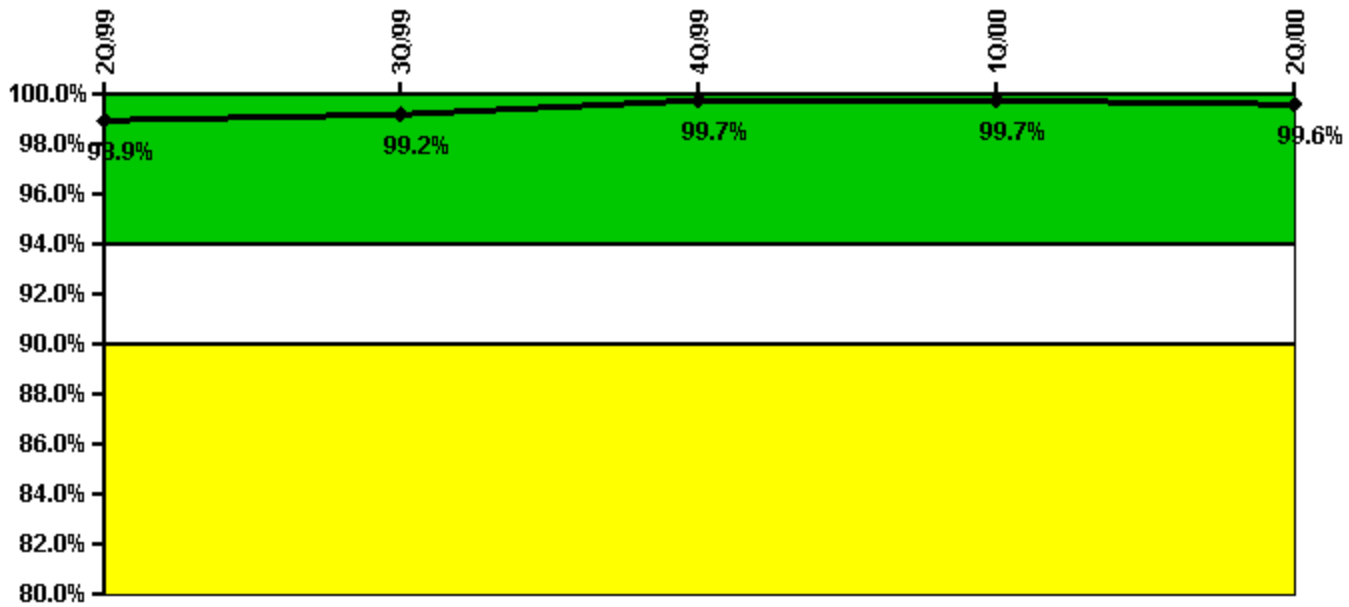
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			62.0	53.0	50.0
Total Key personnel			70.0	58.0	60.0
Indicator value			88.6%	91.4%	83.3%

Licensee Comments: none

Alert & Notification System



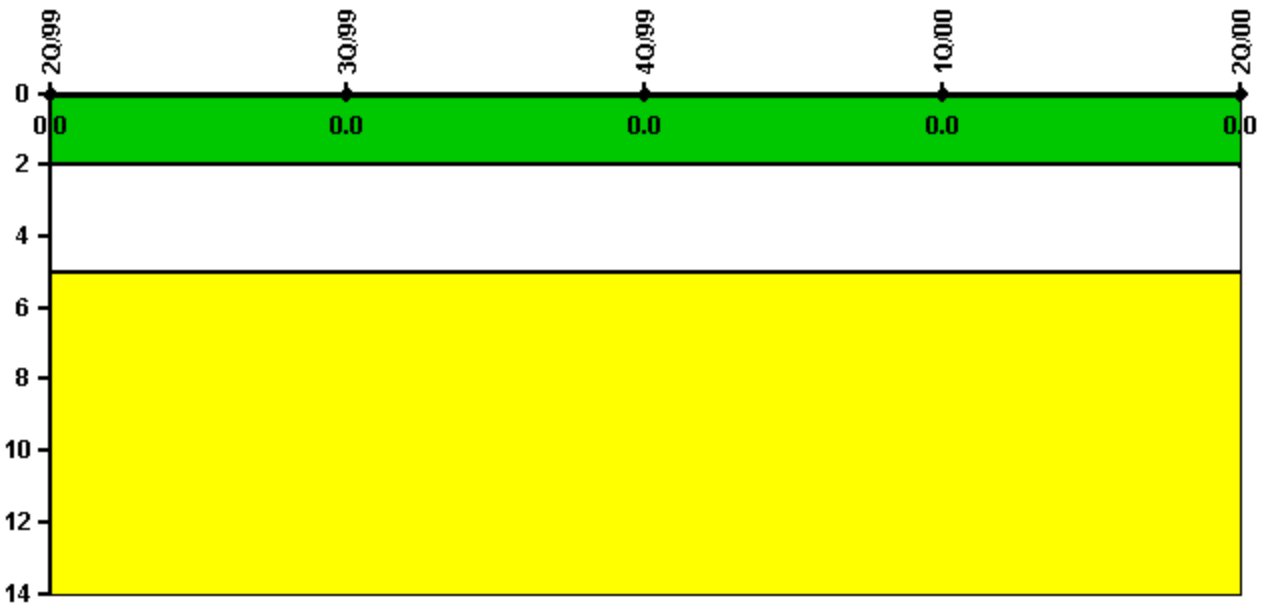
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	912	1045	1179	912	1040
Total sirens-tests	917	1048	1179	917	1048
Indicator value	98.9%	99.2%	99.7%	99.7%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



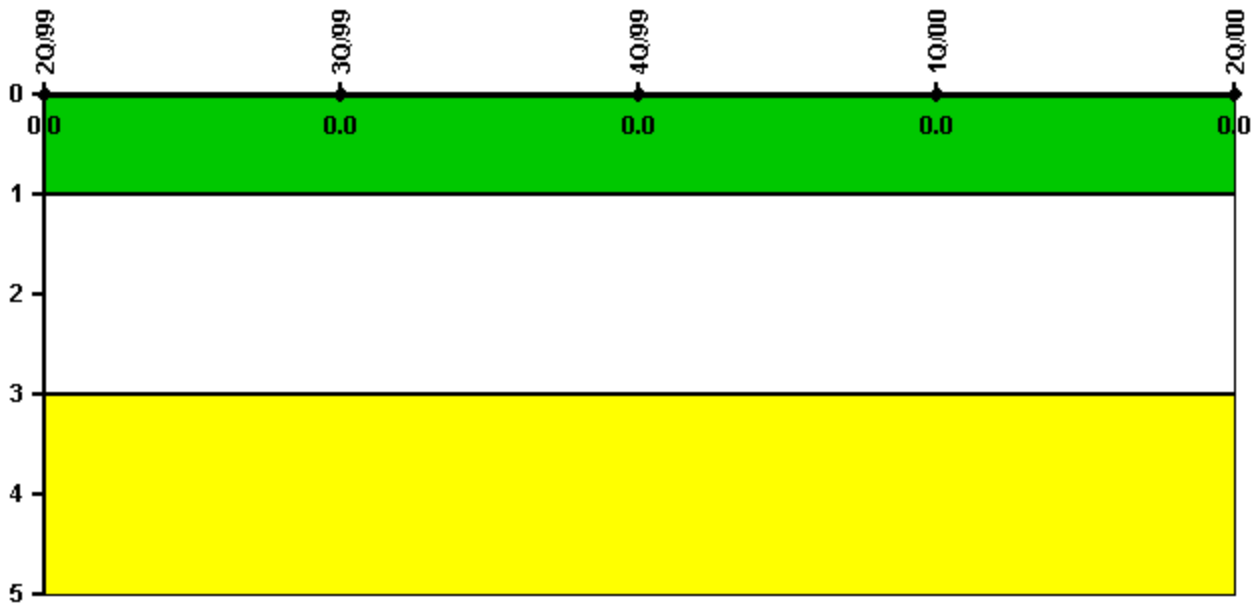
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



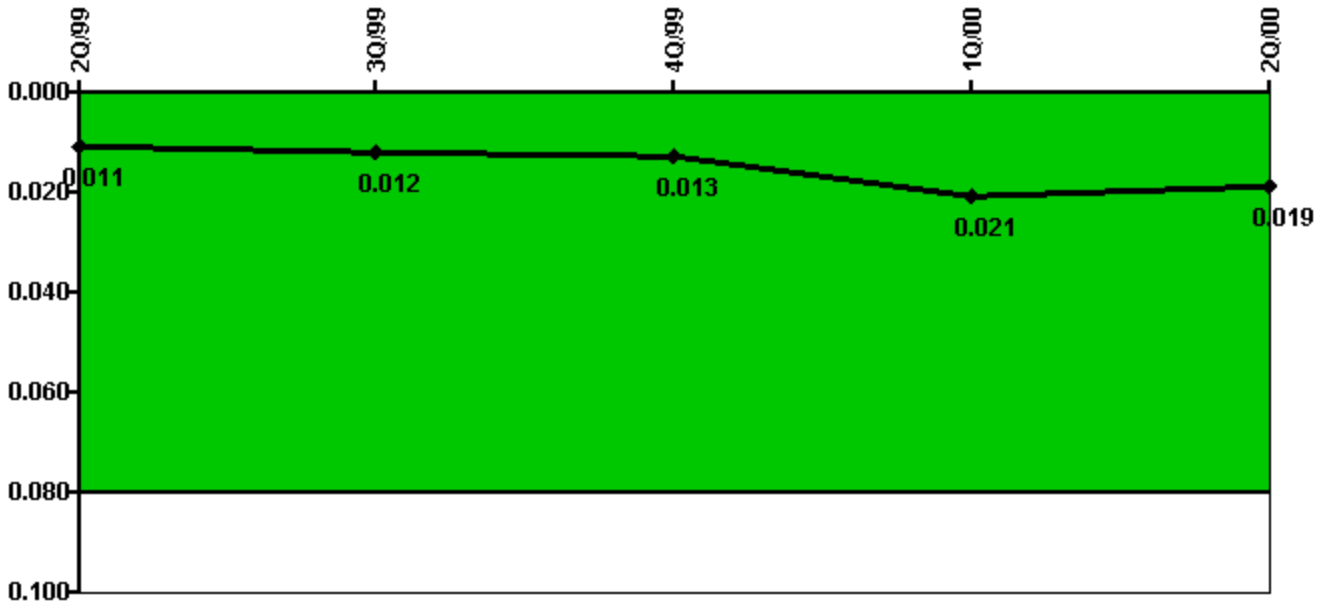
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



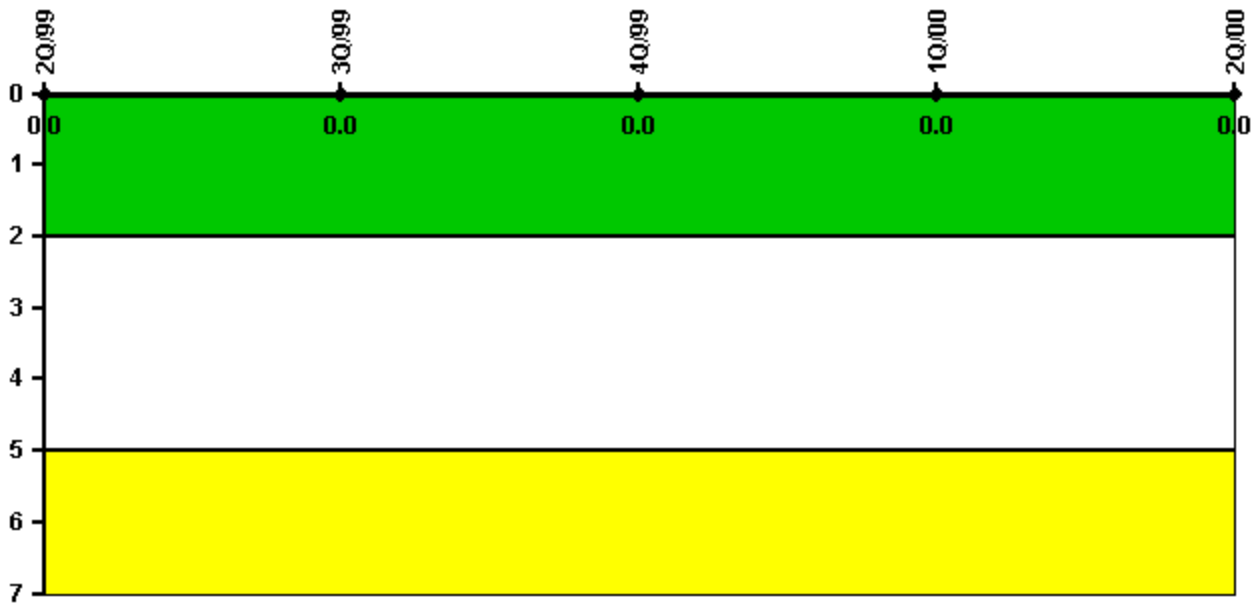
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	126.00	86.00	67.00	573.00	35.75
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.25	2.25	2.25	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2
Index Value	0.011	0.012	0.013	0.021	0.019

Licensee Comments: none

Personnel Screening Program



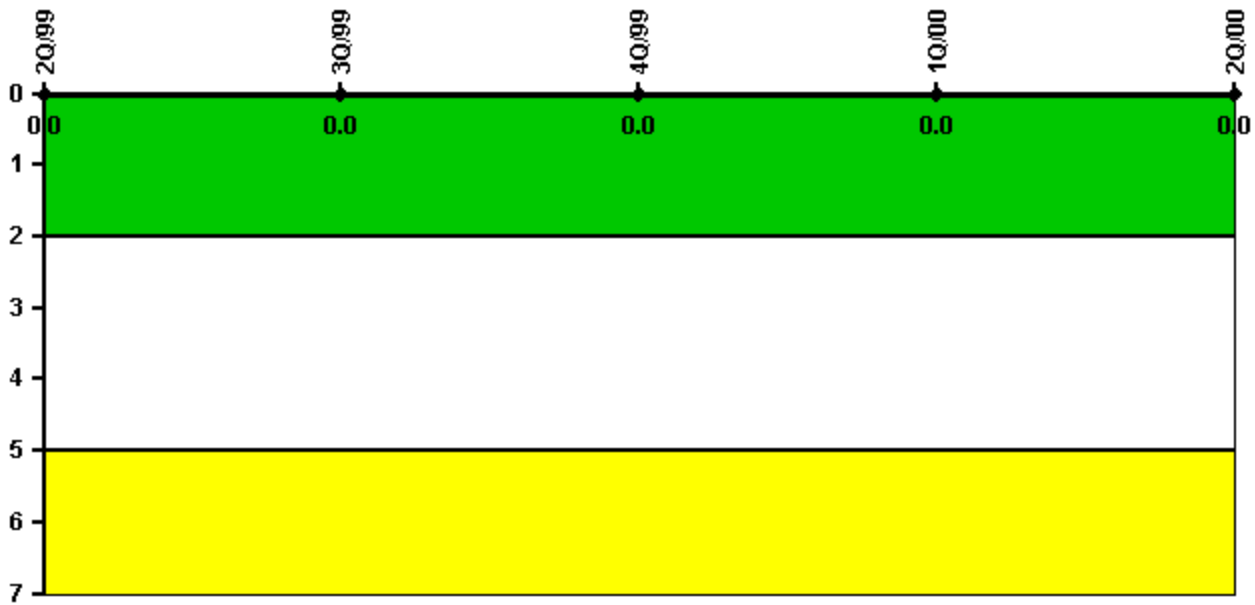
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Program failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

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

Last Modified: April 1, 2002

Diablo Canyon 1

3Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



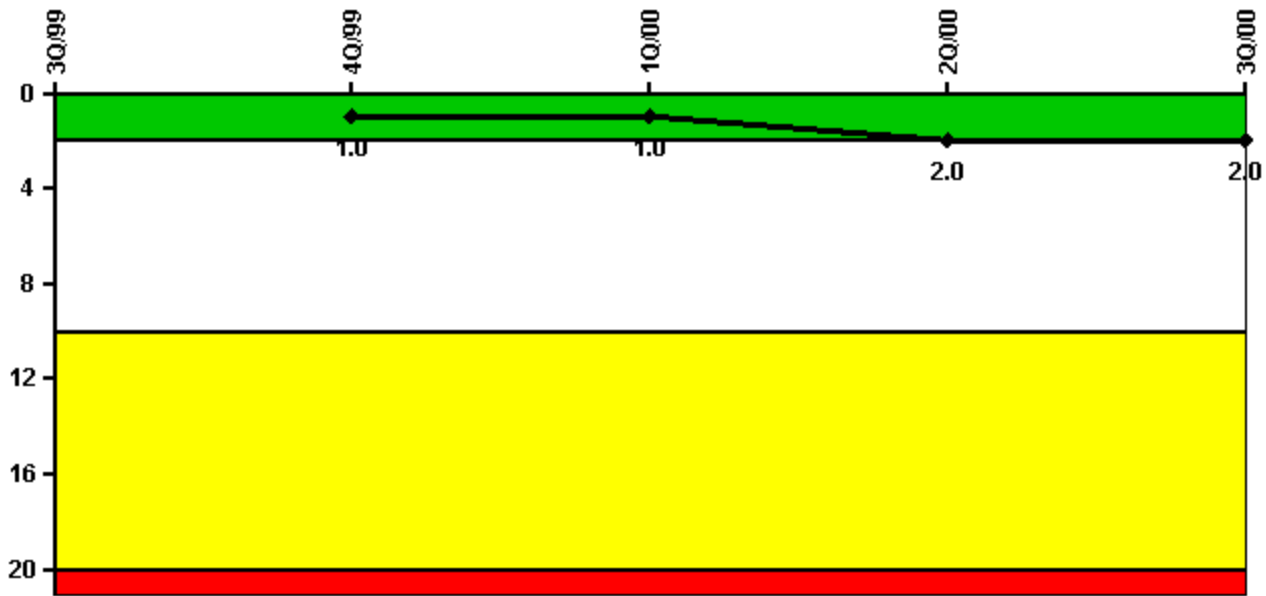
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	1.0	1.0	0	1.0	0
Critical hours	2168.0	2140.8	2184.0	1906.8	2208.0
Indicator value	0.9	1.8	1.6	2.5	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



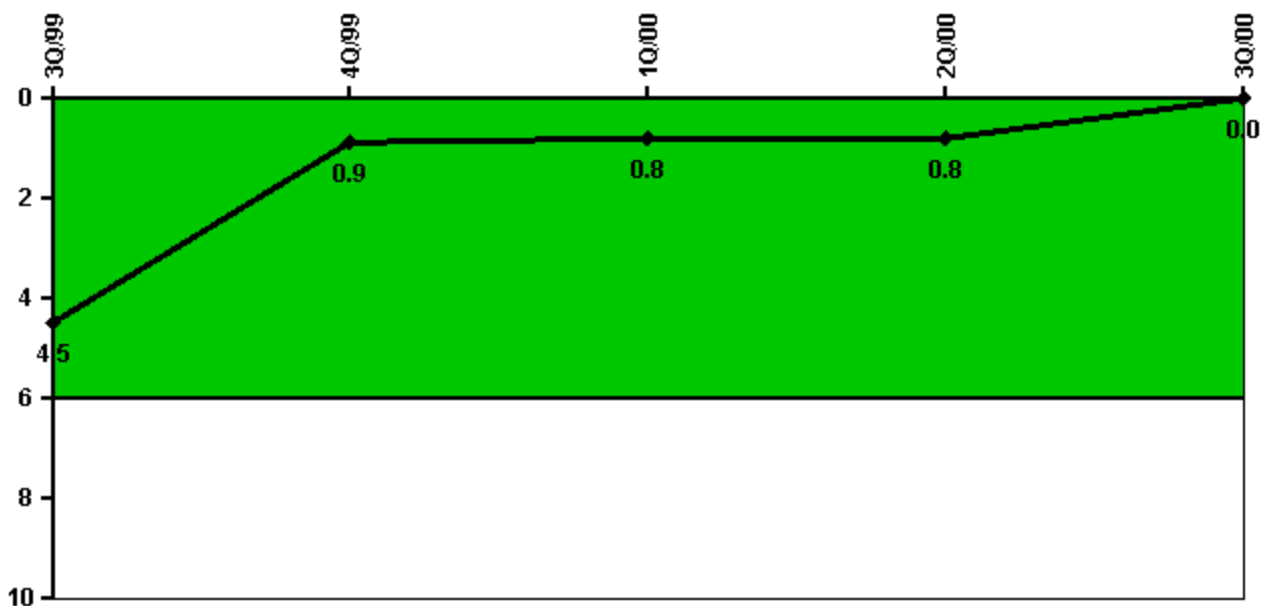
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	1.0	0	1.0	0
Indicator value		1.0	1.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



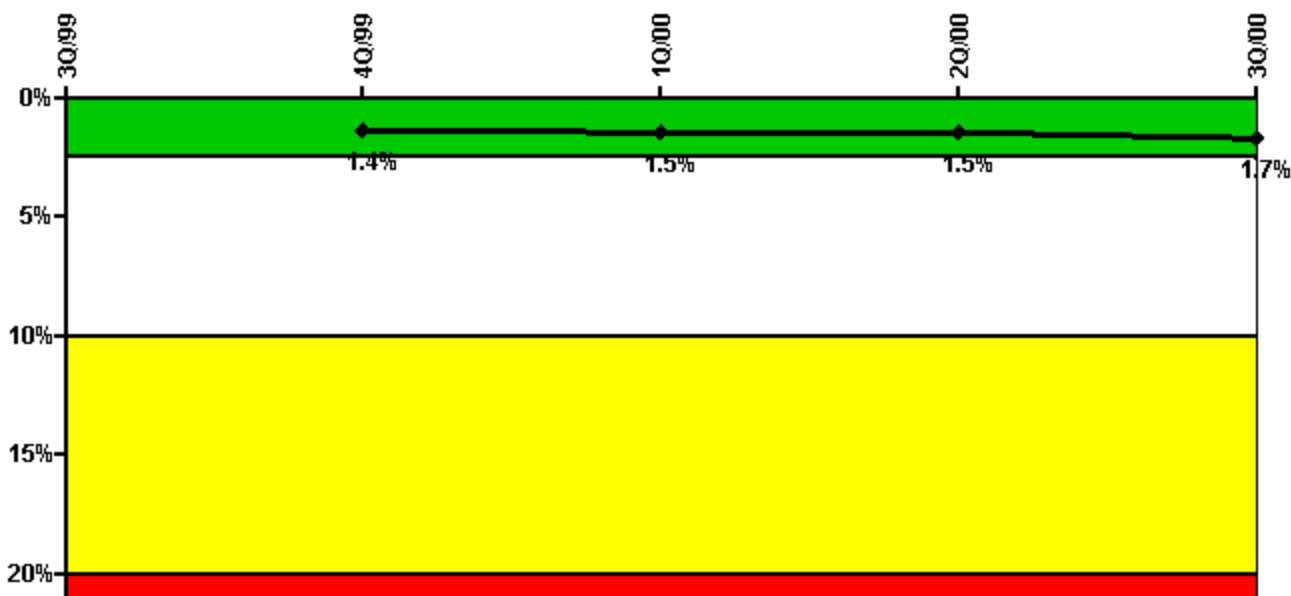
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	1.0	0	0	0	0
Critical hours	2168.0	2140.8	2184.0	1906.8	2208.0
Indicator value	4.5	0.9	0.8	0.8	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



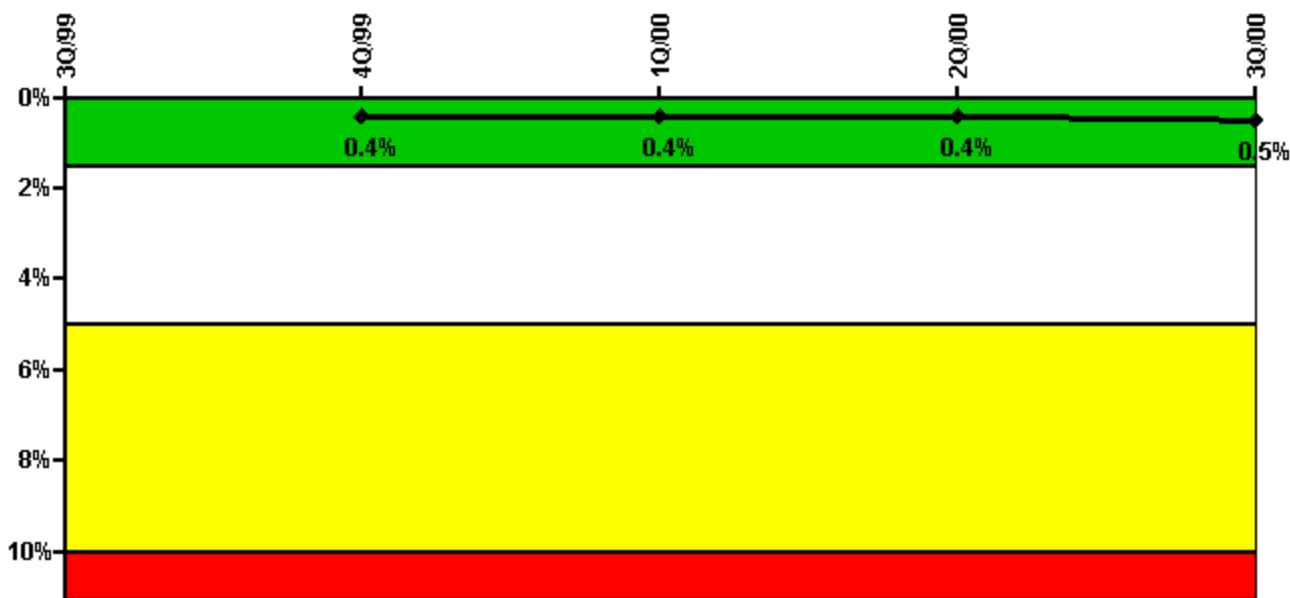
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	57.90	1.40	0.17	0.10	67.20
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	0.70	0	1.18	51.80	4.50
Unplanned unavailable hours	0	0	0	0	4.00
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3					
Planned unavailable hours	0.47	1.60	0.10	11.20	50.00
Unplanned unavailable hours	0	0	20.50	0	13.90
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value		1.4%	1.5%	1.5%	1.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



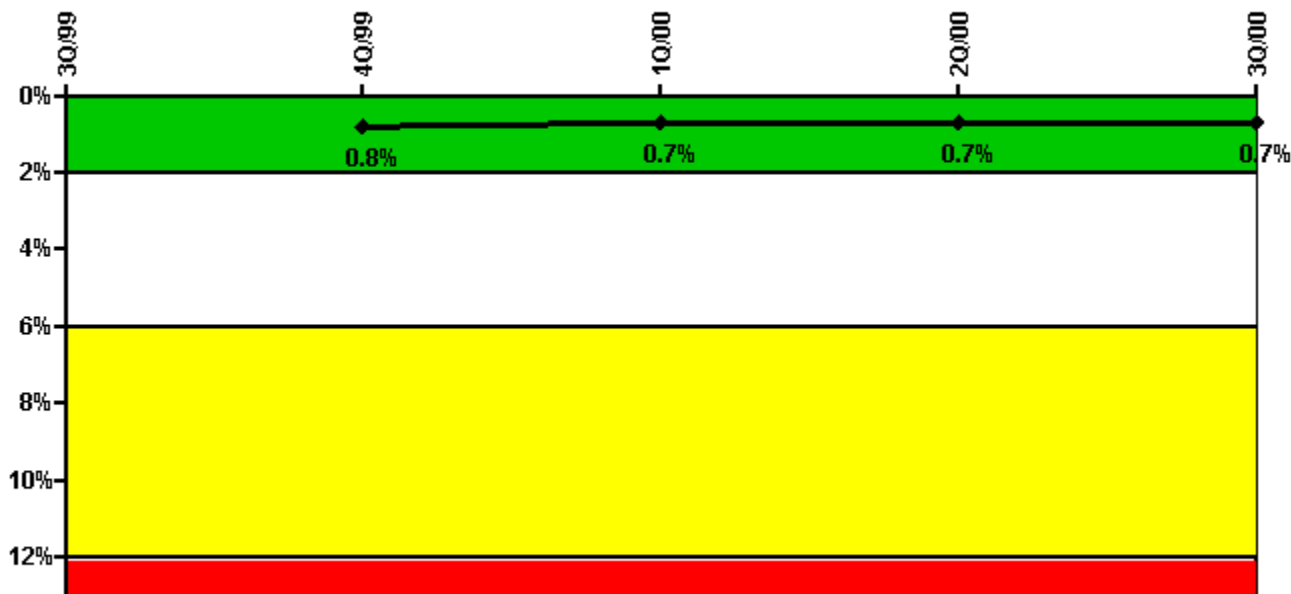
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	23.02	0	0	44.50	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2168.00	2140.80	2184.00	1906.80	2208.00
Train 2					
Planned unavailable hours	0	5.00	0	0	12.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2168.00	2140.80	2184.00	1906.80	2208.00
Train 3					
Planned unavailable hours	0.25	0.40	18.92	0.10	13.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2168.00	2140.80	2184.00	1906.80	2208.00
Train 4					
Planned unavailable hours	11.58	0.10	1.03	26.20	0.45
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2168.00	2140.80	2184.00	1906.80	2208.00
Indicator value		0.4%	0.4%	0.4%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



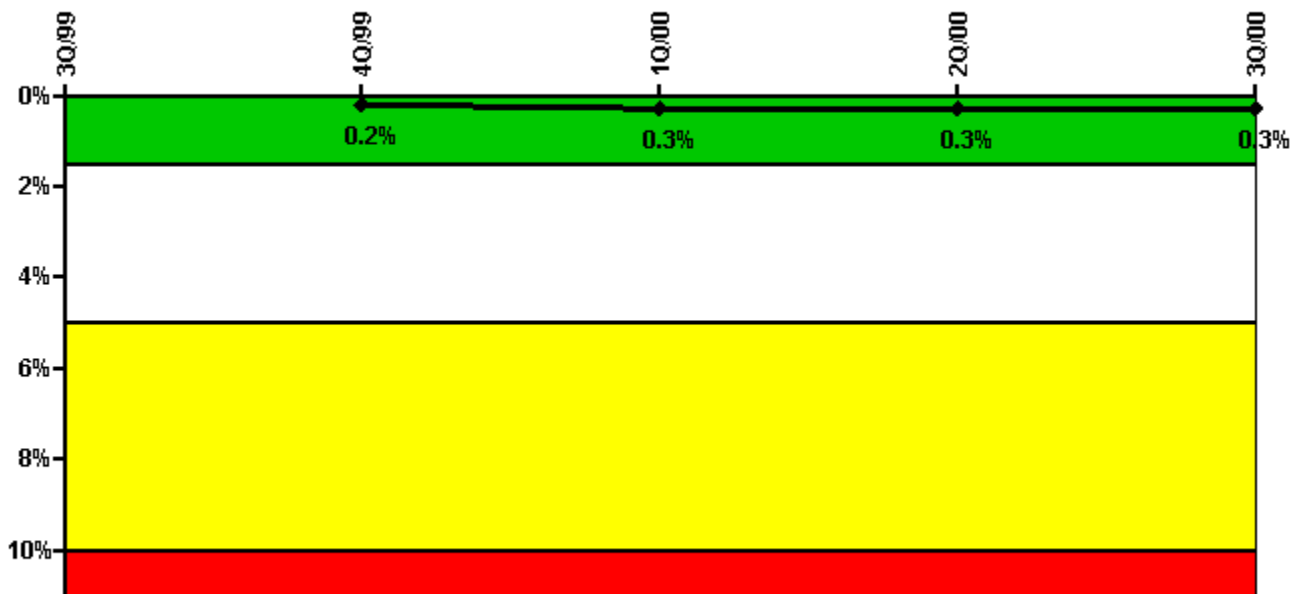
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	25.62	7.40	18.10	22.60	36.00
Unplanned unavailable hours	0.68	0	43.15	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2168.00	2140.80	2184.00	1906.80	2208.00
Train 2					
Planned unavailable hours	20.17	5.40	12.22	1.10	3.60
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2168.00	2140.80	2184.00	1906.80	2208.00
Train 3					
Planned unavailable hours	24.30	1.10	1.28	10.40	3.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2168.00	2140.80	2184.00	1906.80	2208.00
Indicator value		0.8%	0.7%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



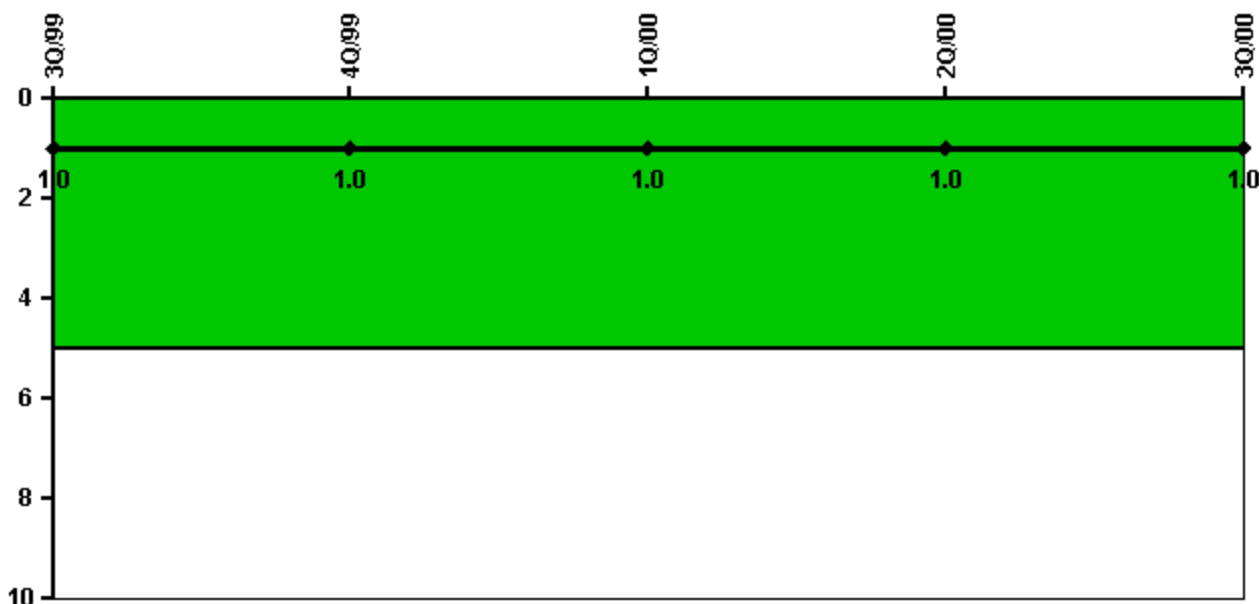
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	14.75	2.60	1.08	26.10	0.45
Unplanned unavailable hours	1.62	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2140.80	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	11.98	0.30	2.77	22.10	0.25
Unplanned unavailable hours	0.97	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2140.80	2184.00	2183.00	2208.00
Indicator value		0.2%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)



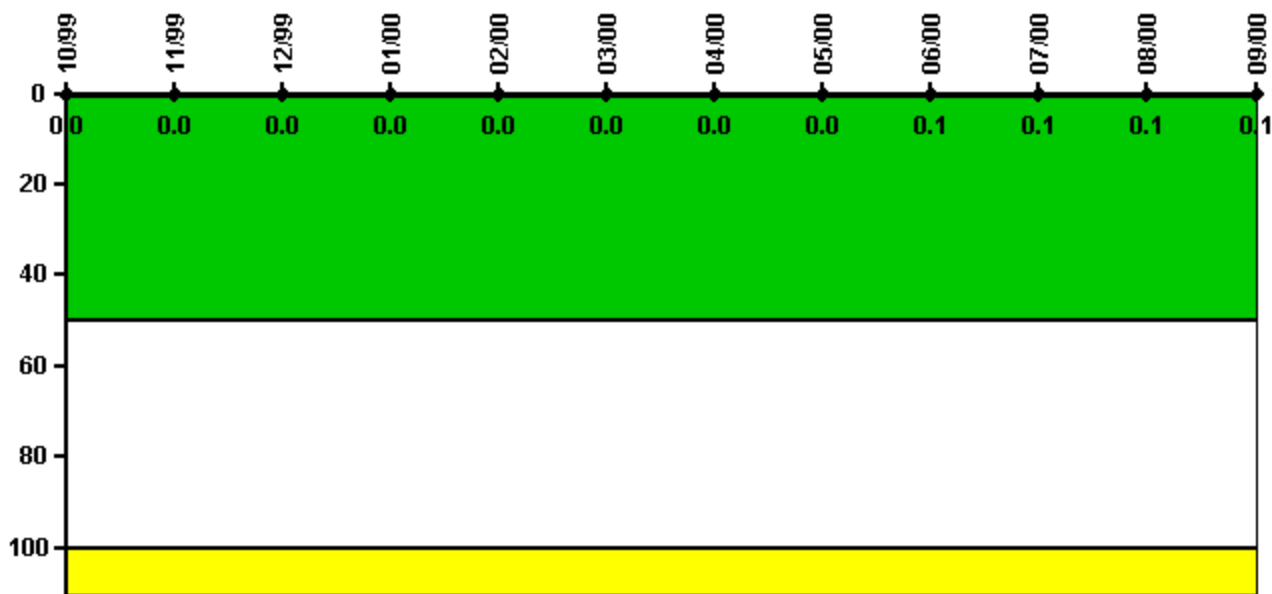
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	0	1	0	0	0
Indicator value	1	1	1	1	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000412	0.000364	0.000444	0.000424	0.000495	0.000482	0.000408	0.000486	0.000605	0.000567	0.000608	0.000562
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
Indicator value	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1

Licensee Comments:

9/00: The limit for RCS dose equivalent I-131 specific activity is being administratively controlled at 0.71 micro Curies per gram rather than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limit is to compensate for nonconservatisms identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limit will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

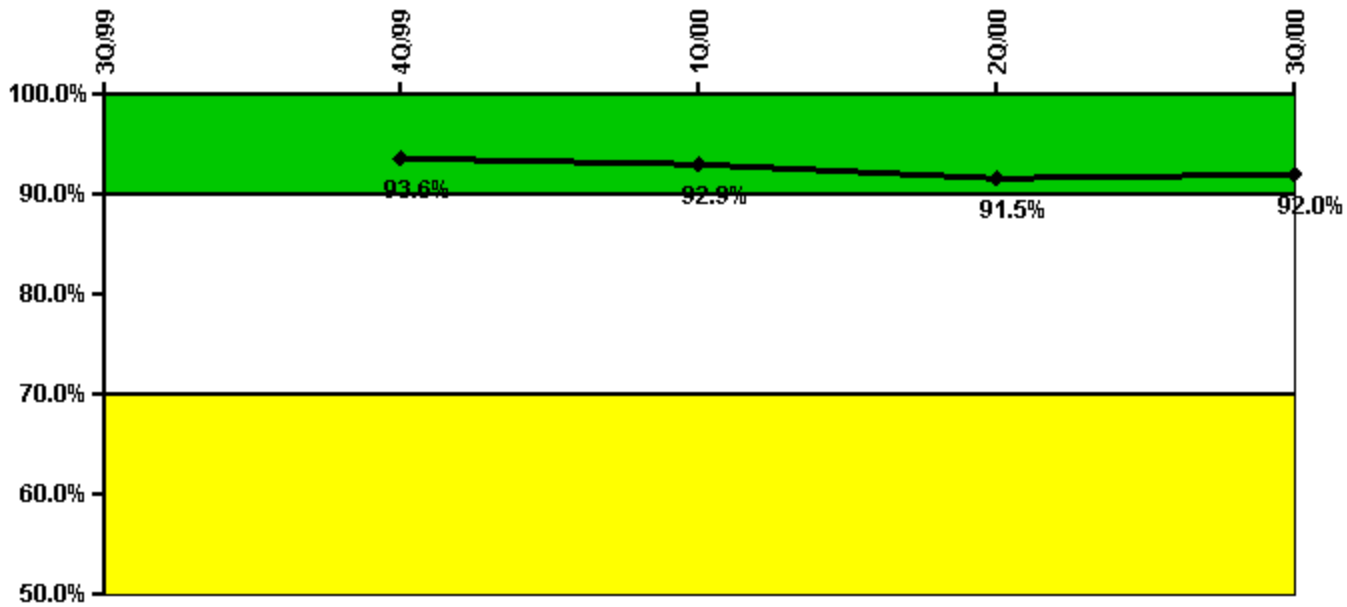
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.365	0.340	0.270	0.357	0.349	0.214	0.454	0.705	0.602	0.397	0.332	0.327
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.7	3.4	2.7	3.6	3.5	2.1	4.5	7.1	6.0	4.0	3.3	3.3

Licensee Comments:

9/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

Drill/Exercise Performance



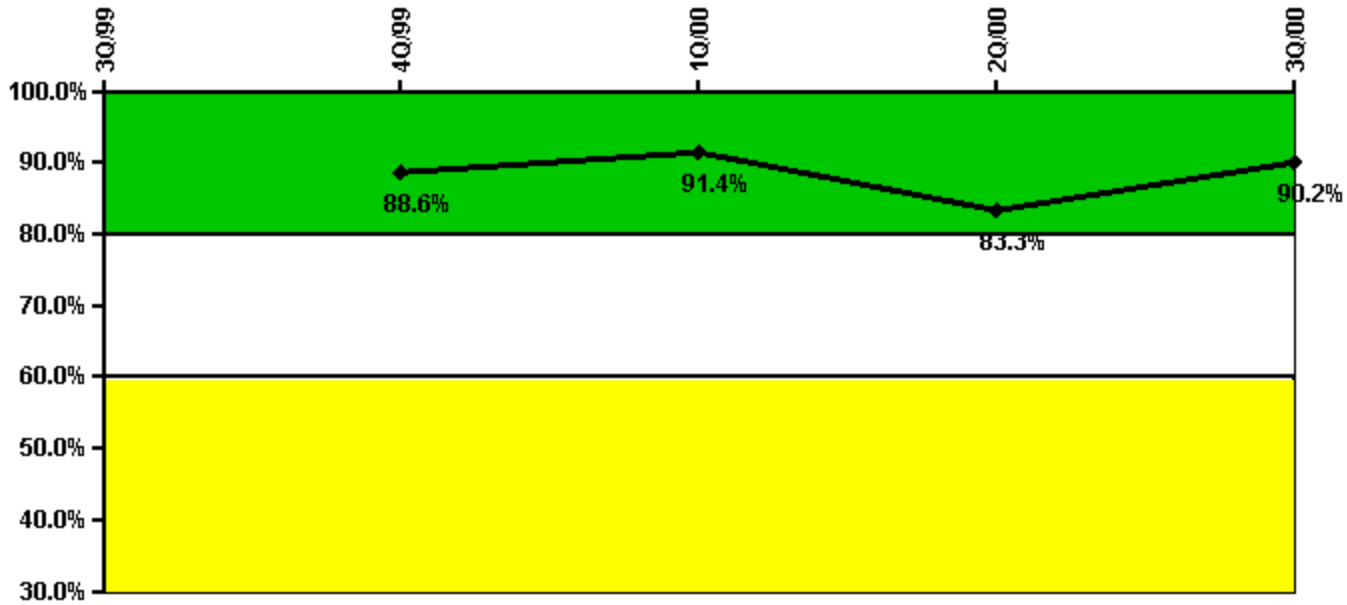
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	3.0	10.0	24.0	28.0	21.0
Total opportunities	4.0	10.0	27.0	33.0	23.0
Indicator value		93.6%	92.9%	91.5%	92.0%

Licensee Comments: none

ERO Drill Participation



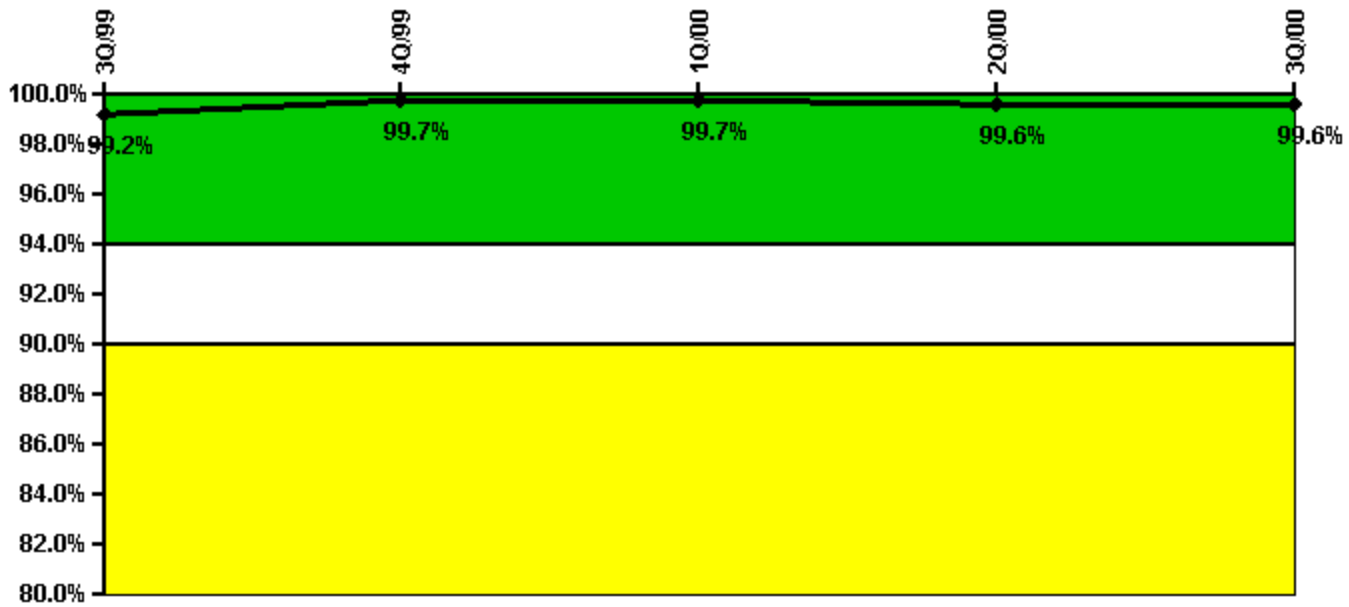
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		62.0	53.0	50.0	55.0
Total Key personnel		70.0	58.0	60.0	61.0
Indicator value		88.6%	91.4%	83.3%	90.2%

Licensee Comments: none

Alert & Notification System



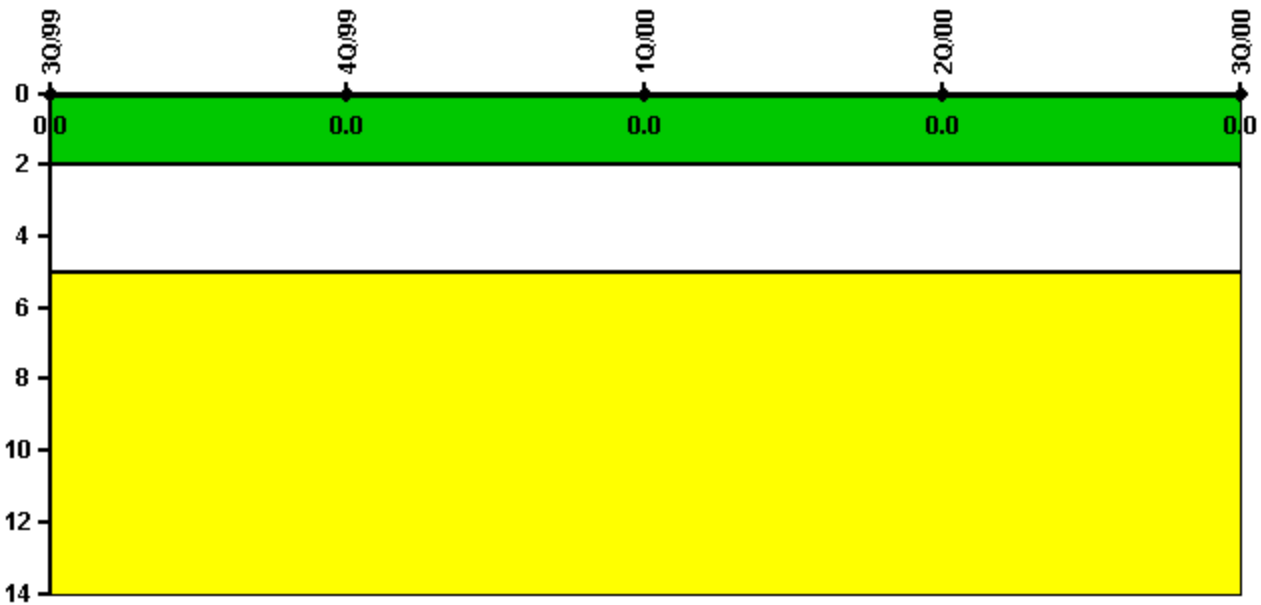
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	1045	1179	912	1040	1175
Total sirens-tests	1048	1179	917	1048	1179
Indicator value	99.2%	99.7%	99.7%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



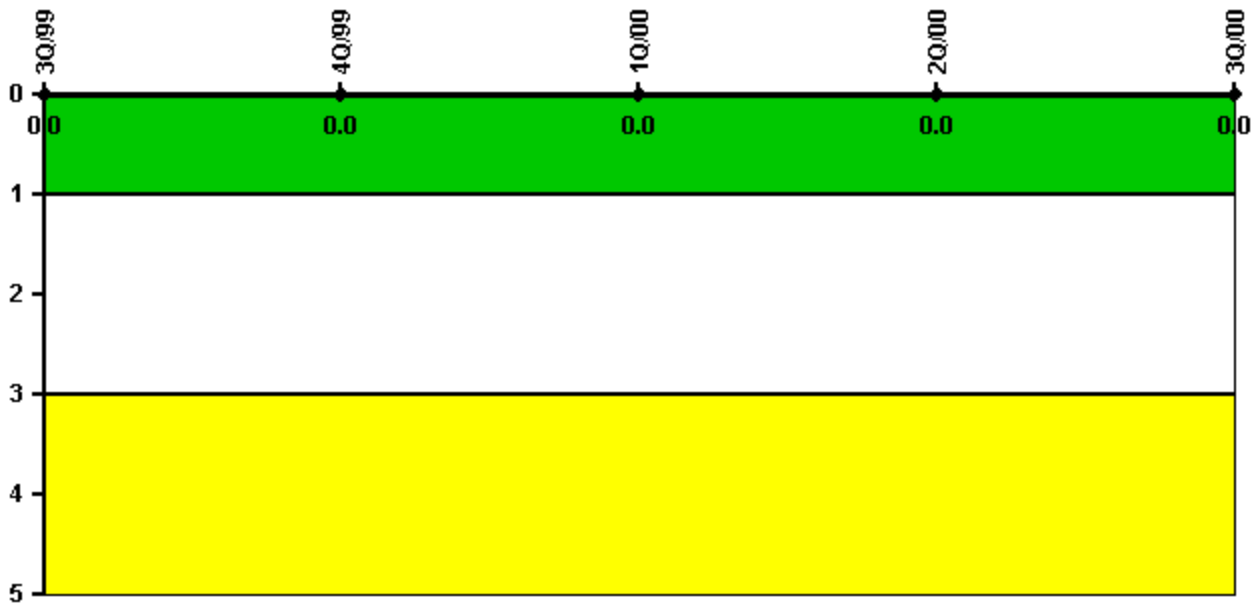
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



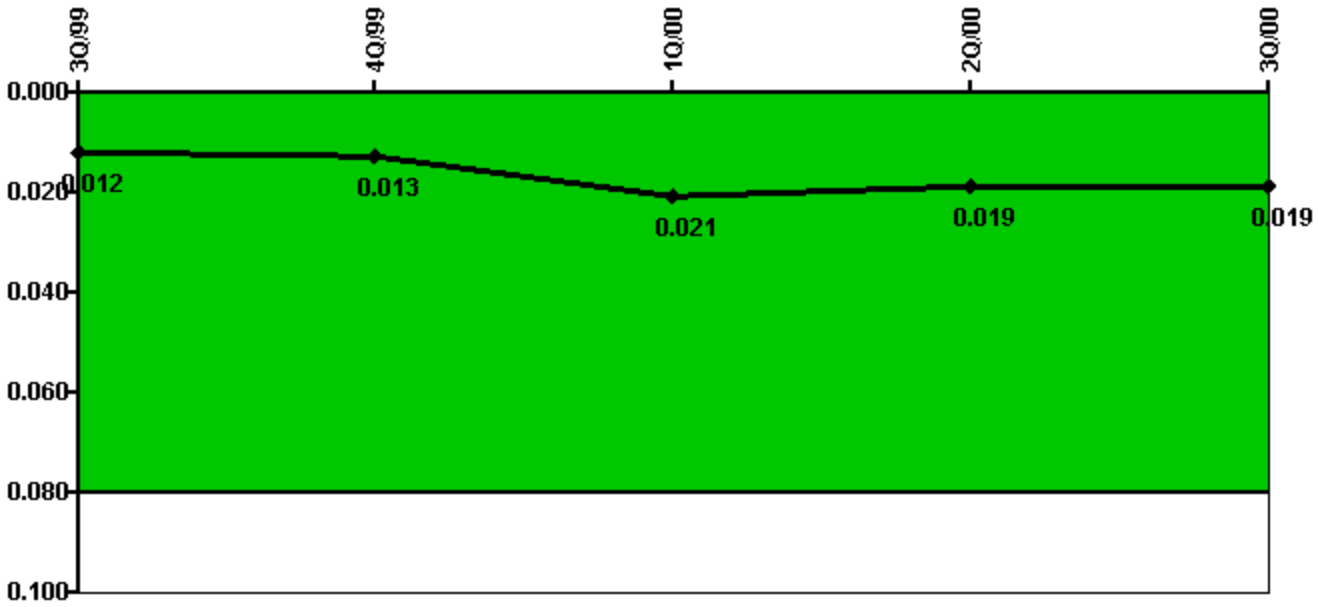
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



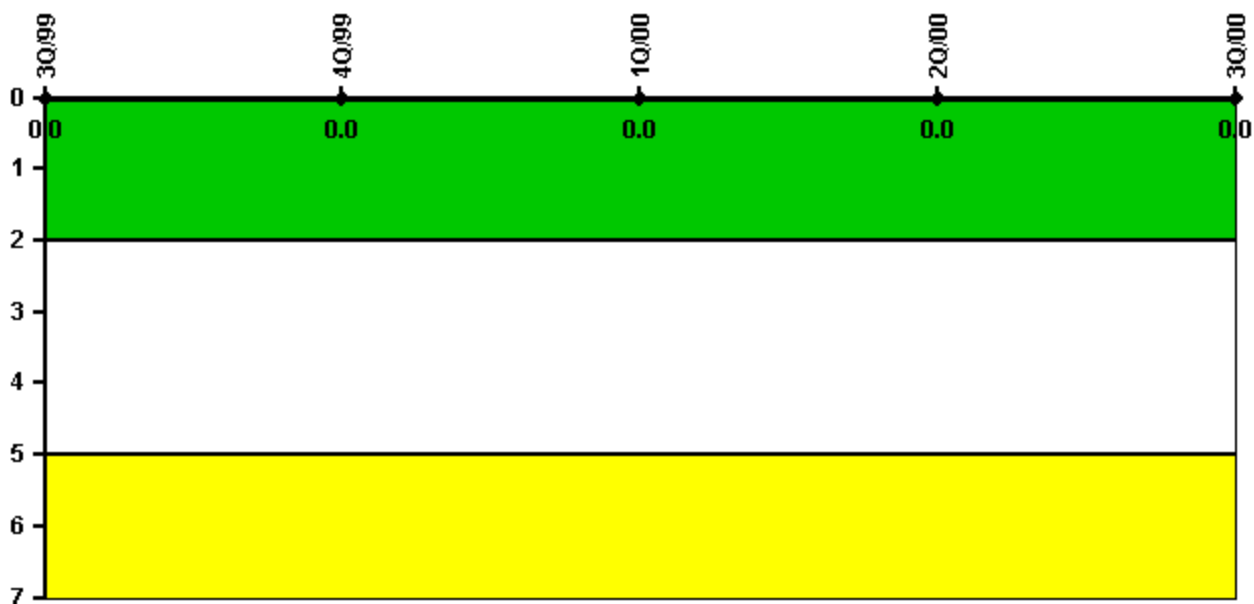
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	86.00	67.00	573.00	35.75	51.87
CCTV compensatory hours	0	0	0	0	14.9
IDS normalization factor	2.25	2.25	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2
Index Value	0.012	0.013	0.021	0.019	0.019

Licensee Comments: none

Personnel Screening Program



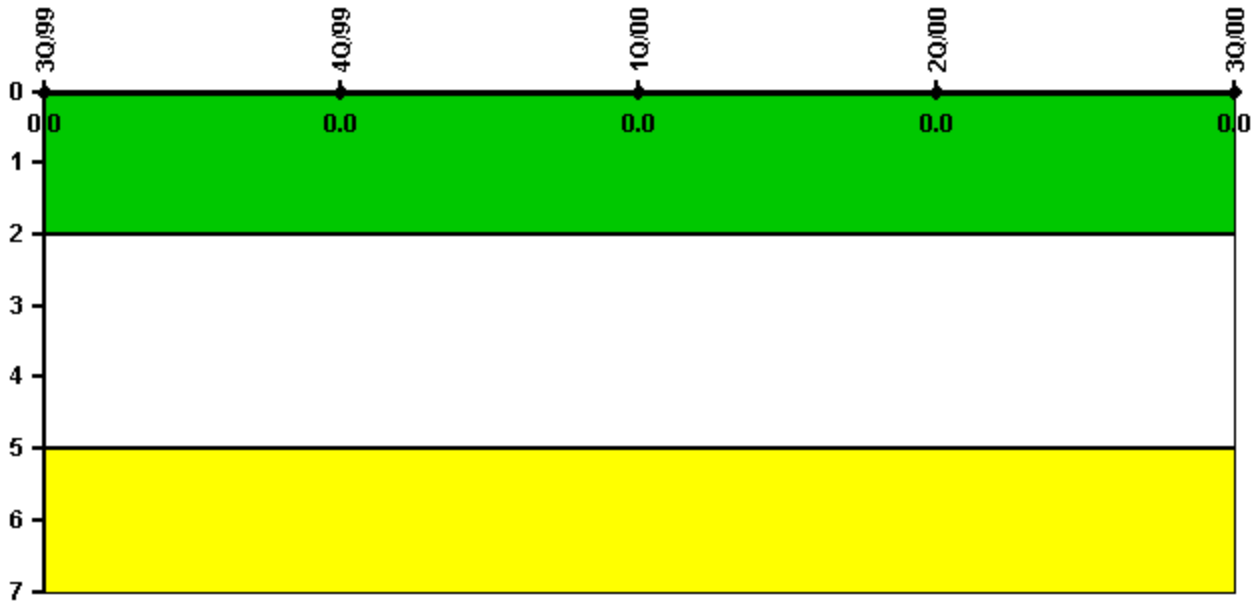
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

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

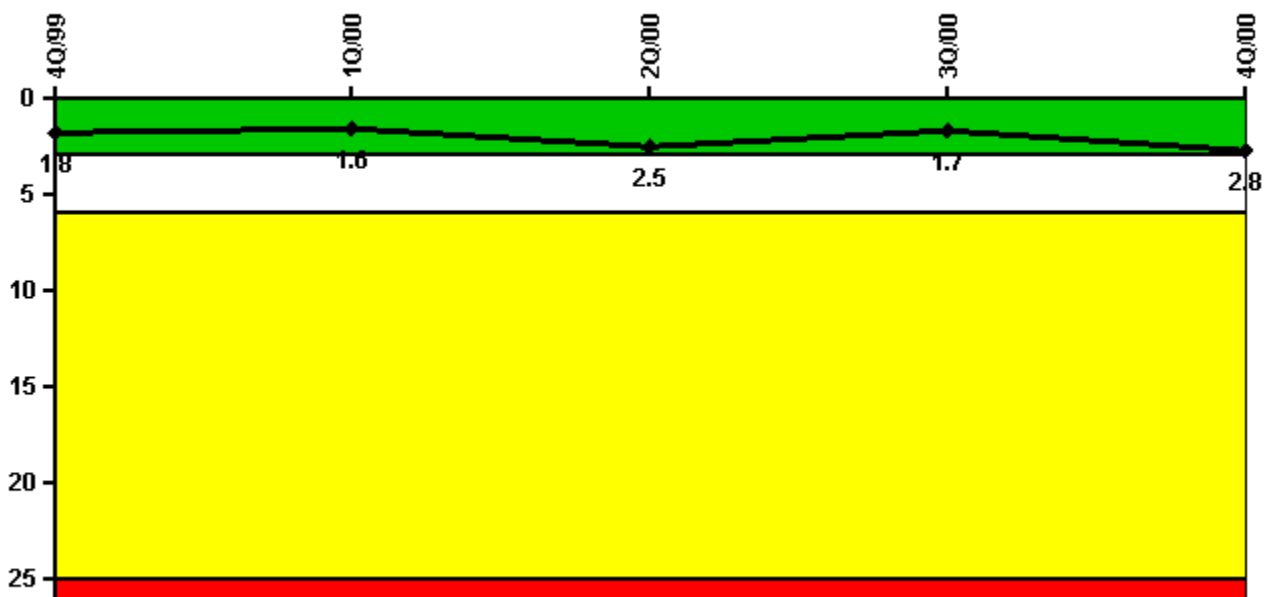
Last Modified: March 29, 2002

Diablo Canyon 1

4Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



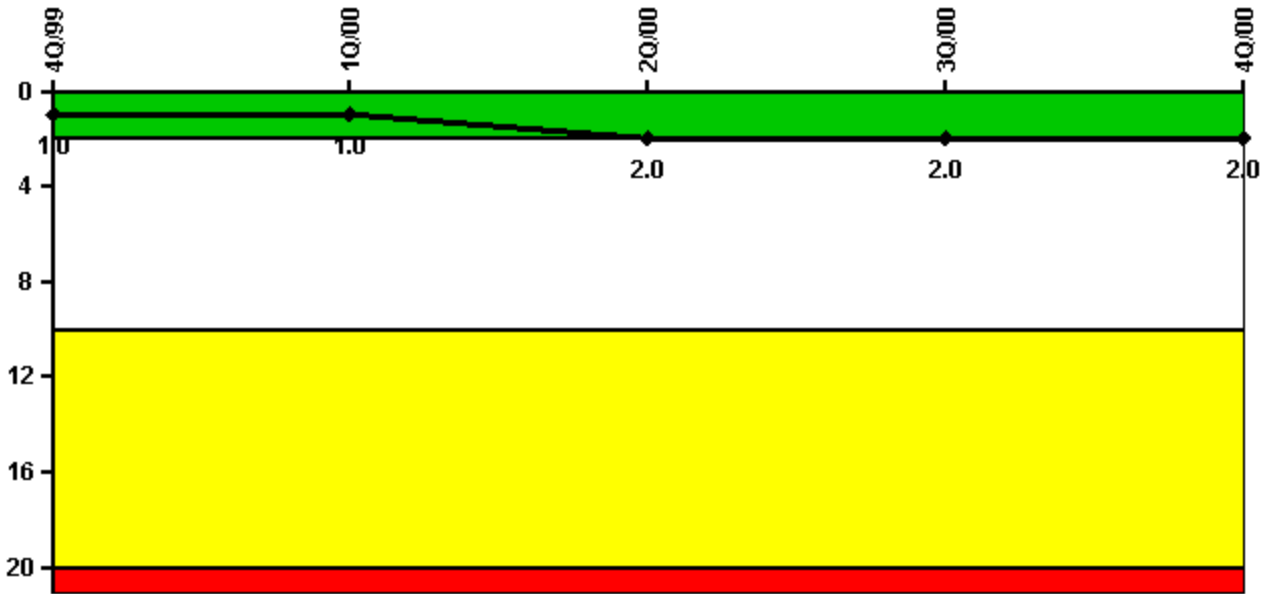
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	1.0	0	1.0	0	2.0
Critical hours	2140.8	2184.0	1906.8	2208.0	1299.8
Indicator value	1.8	1.6	2.5	1.7	2.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



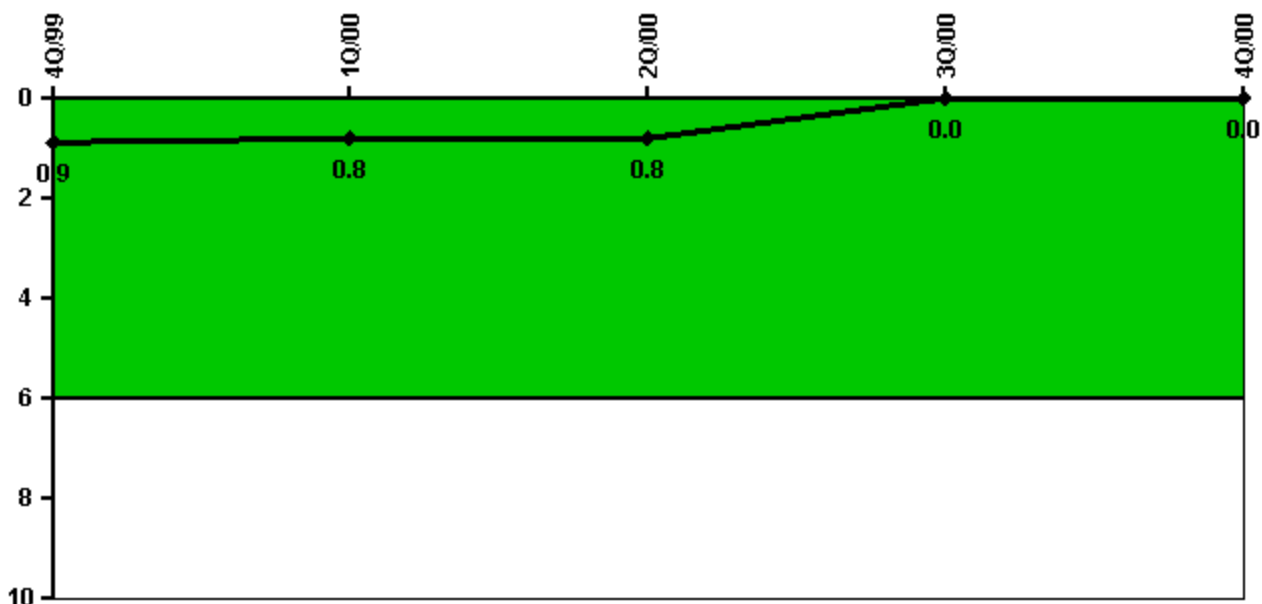
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Scrams	1.0	1.0	2.0	2.0	2.0
Indicator value	1.0	1.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

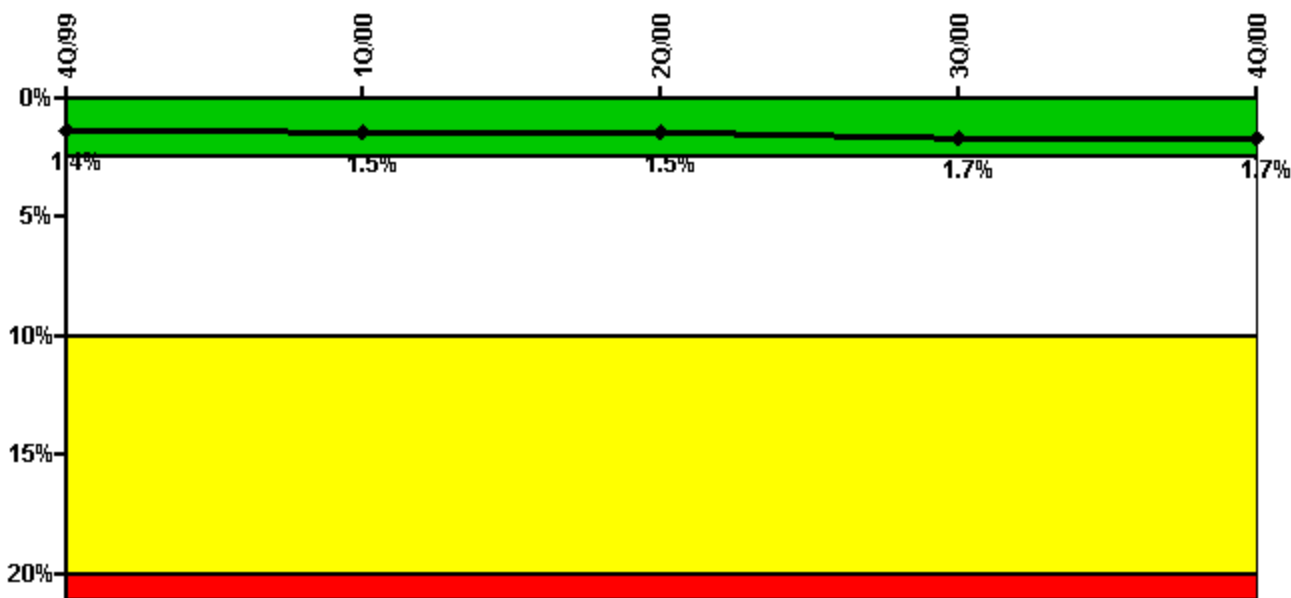
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2140.8	2184.0	1906.8	2208.0	1299.8
Indicator value	0.9	0.8	0.8	0	0

Licensee Comments:

4Q/00: The PI value for 4Q00 was reduced from 1 to 0 based on the deletion of a 12/22/00 power change that need not be counted under this PI per FAQ #274. The change does not affect any other periods, and does not affect the color of the PI.

Safety System Unavailability, Emergency AC Power, >2EDG



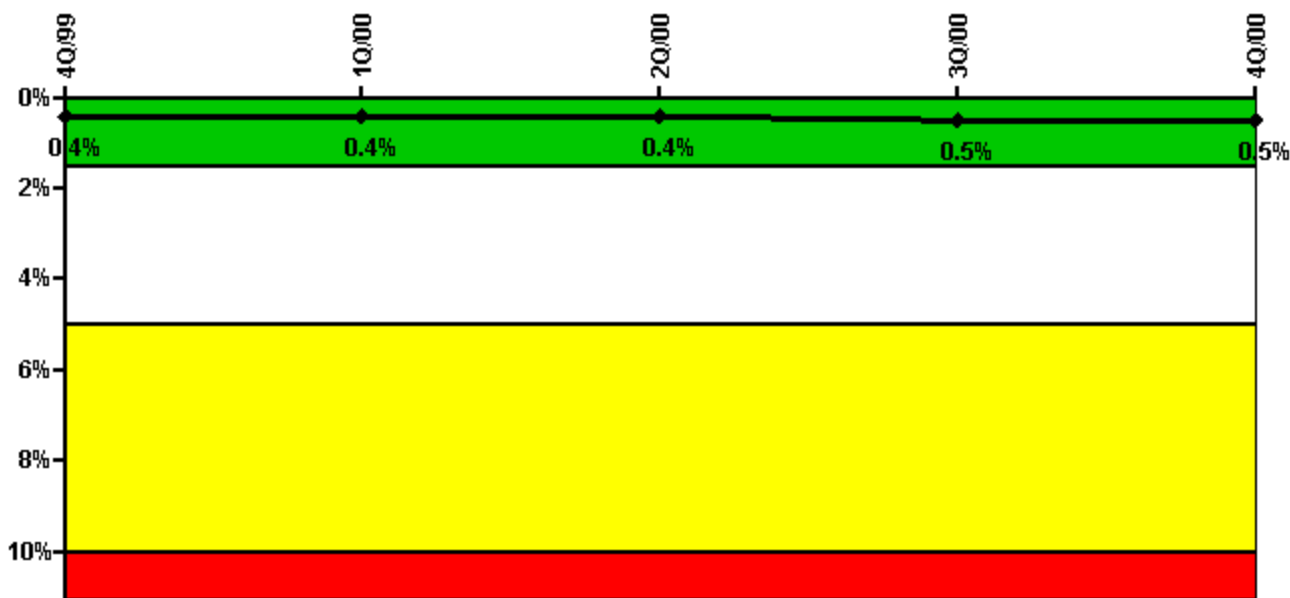
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	1.40	0.17	0.10	67.20	0.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	0	1.18	51.80	4.50	0.10
Unplanned unavailable hours	0	0	0	4.00	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 3					
Planned unavailable hours	1.60	0.10	11.20	50.00	16.00
Unplanned unavailable hours	0	20.50	0	13.90	21.40
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	1.4%	1.5%	1.5%	1.7%	1.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



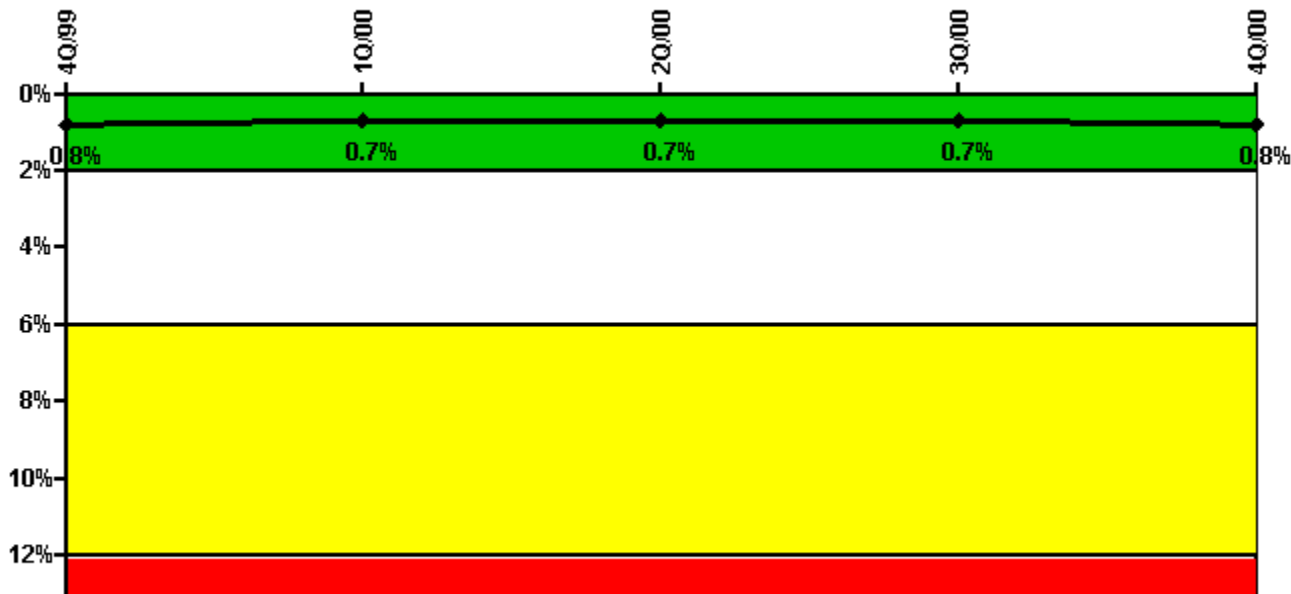
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0	0	44.50	0	4.80
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80
Train 2					
Planned unavailable hours	5.00	0	0	12.10	6.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80
Train 3					
Planned unavailable hours	0.40	18.92	0.10	13.00	0.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80
Train 4					
Planned unavailable hours	0.10	1.03	26.20	0.45	11.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80
Indicator value	0.4%	0.4%	0.4%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



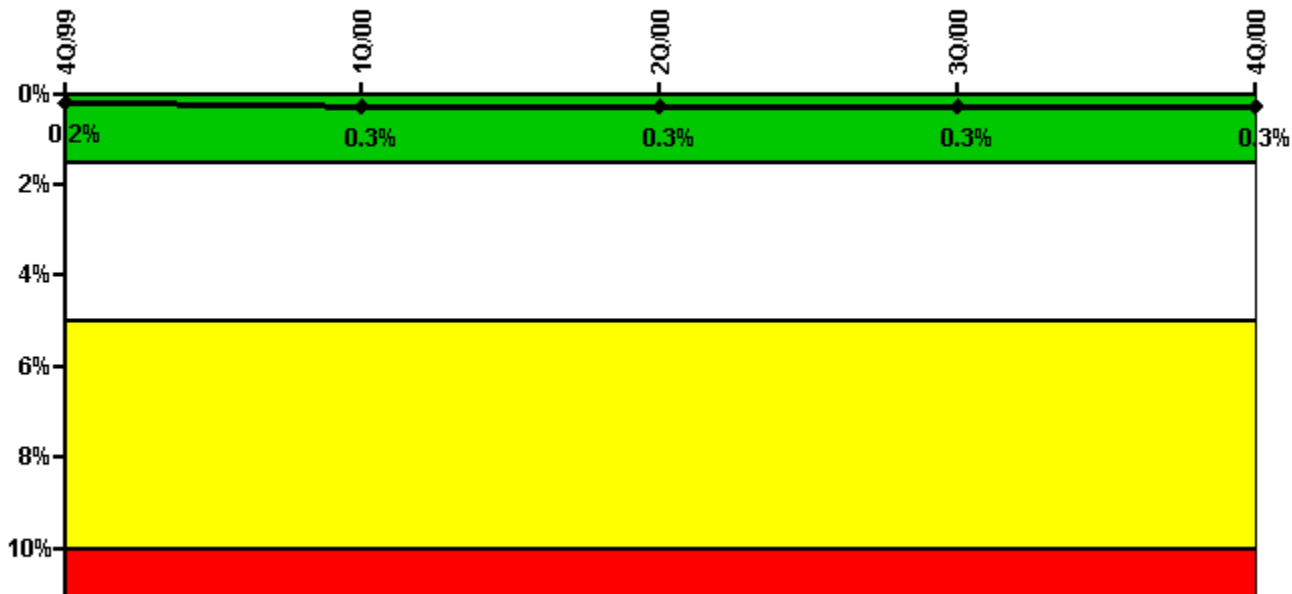
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	7.40	18.10	22.60	36.00	47.50
Unplanned unavailable hours	0	43.15	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80
Train 2					
Planned unavailable hours	5.40	12.22	1.10	3.60	18.70
Unplanned unavailable hours	0	0	0	0	35.40
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80
Train 3					
Planned unavailable hours	1.10	1.28	10.40	3.40	0.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80
Indicator value	0.8%	0.7%	0.7%	0.7%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



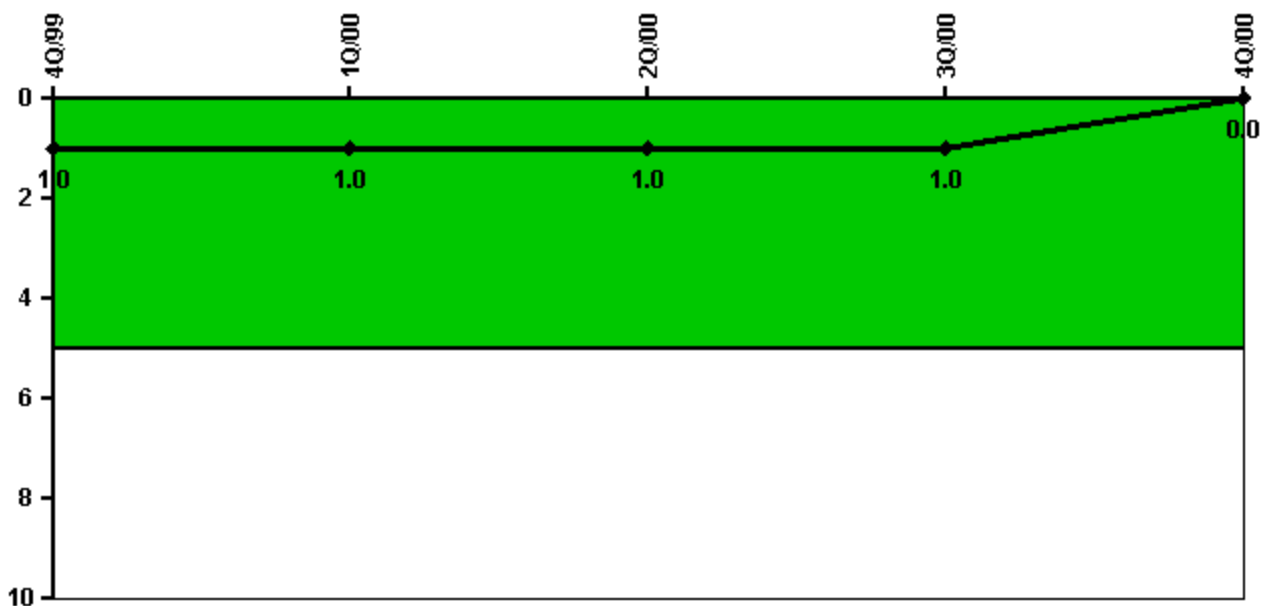
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	2.60	1.08	26.10	0.45	13.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	0.30	2.77	22.10	0.25	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2140.80	2184.00	2183.00	2208.00	2209.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)



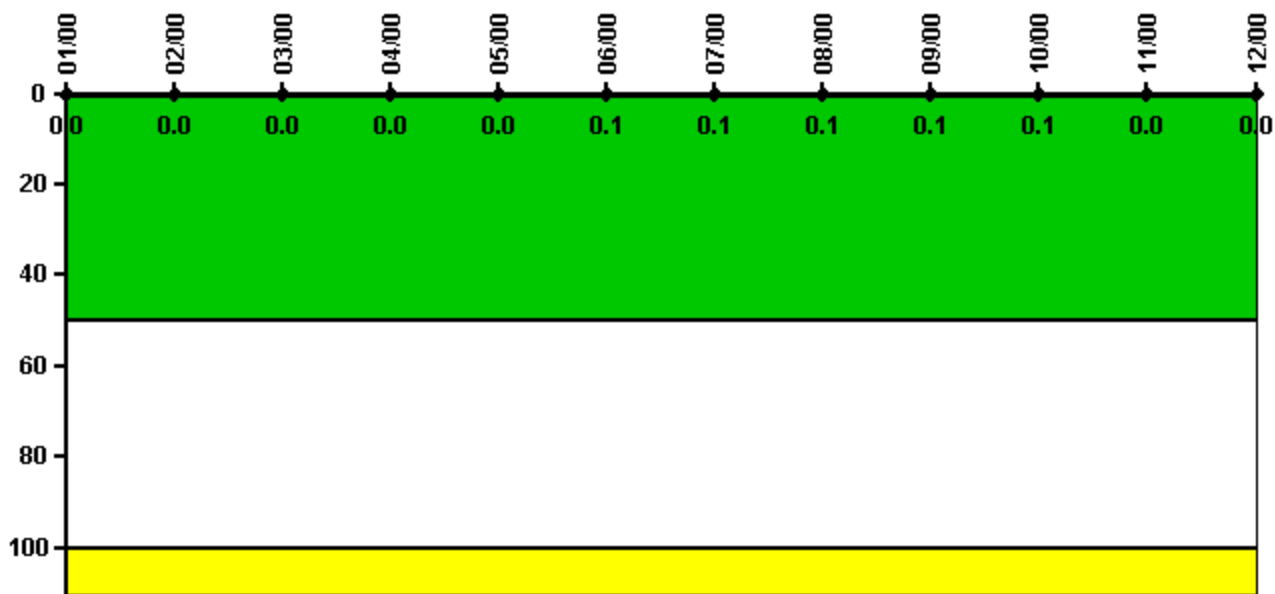
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Safety System Functional Failures	1	0	0	0	0
Indicator value	1	1	1	1	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

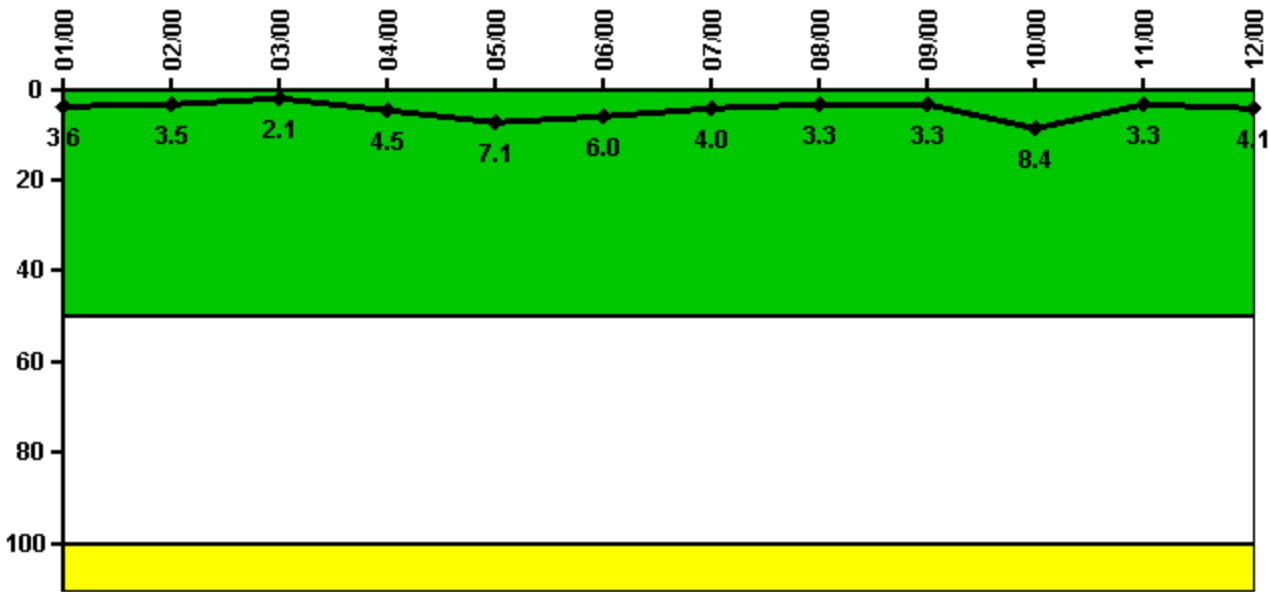
Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000424	0.000495	0.000482	0.000408	0.000486	0.000605	0.000567	0.000608	0.000562	0.000621	0.000222	0.000254
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0

Licensee Comments:

12/00: The limit for RCS dose equivalent I-131 specific activity is being administratively controlled at 0.71 micro Curies per gram rather than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limit is to compensate for nonconservatisms identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limit will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.357	0.349	0.214	0.454	0.705	0.602	0.397	0.332	0.327	0.839	0.325	0.405
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	3.6	3.5	2.1	4.5	7.1	6.0	4.0	3.3	3.3	8.4	3.3	4.1

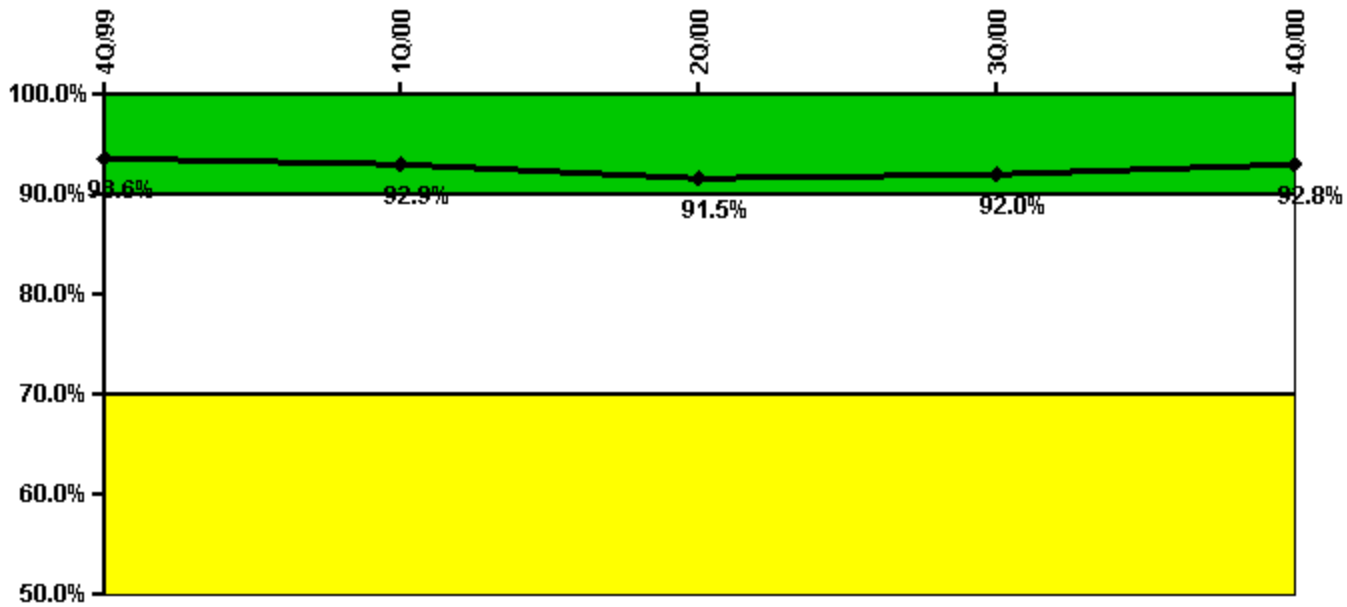
Licensee Comments:

12/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

9/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

Drill/Exercise Performance



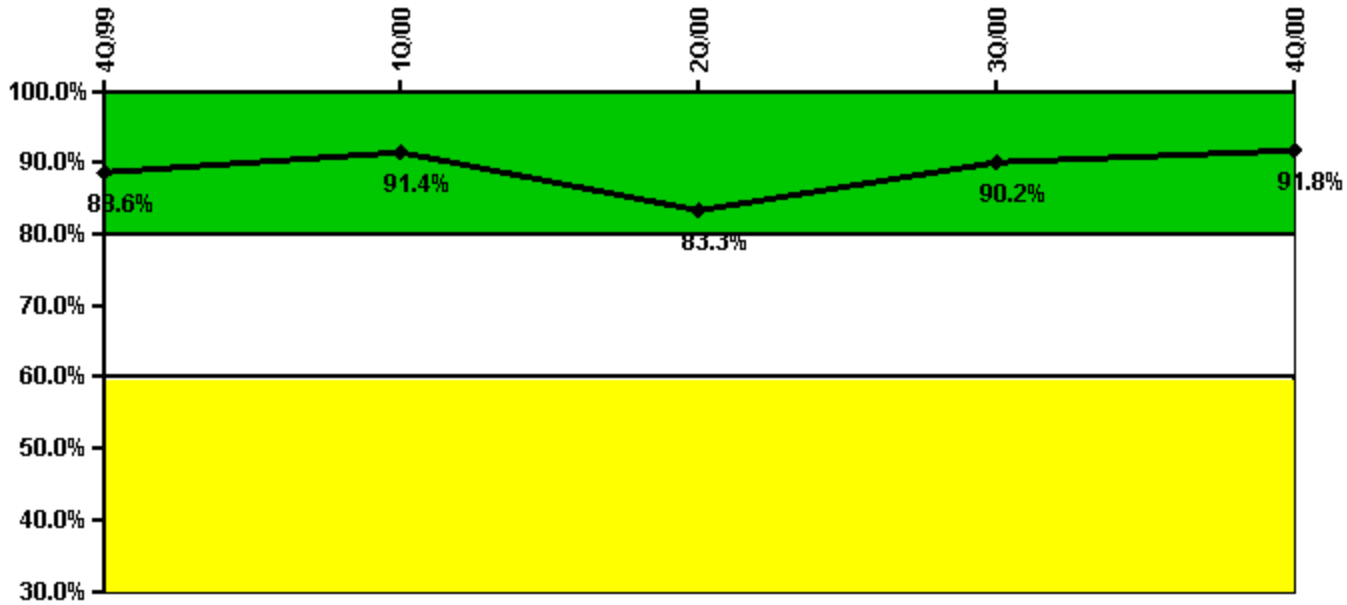
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	10.0	24.0	28.0	21.0	10.0
Total opportunities	10.0	27.0	33.0	23.0	10.0
Indicator value	93.6%	92.9%	91.5%	92.0%	92.8%

Licensee Comments: none

ERO Drill Participation



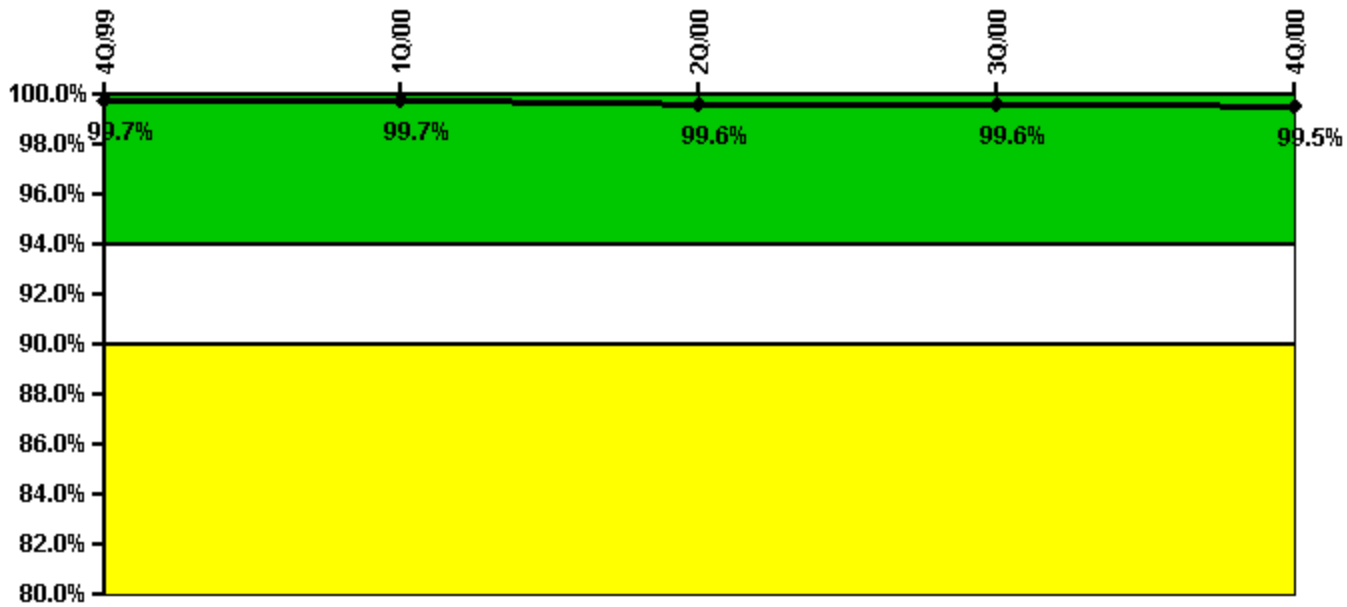
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	62.0	53.0	50.0	55.0	56.0
Total Key personnel	70.0	58.0	60.0	61.0	61.0
Indicator value	88.6%	91.4%	83.3%	90.2%	91.8%

Licensee Comments: none

Alert & Notification System



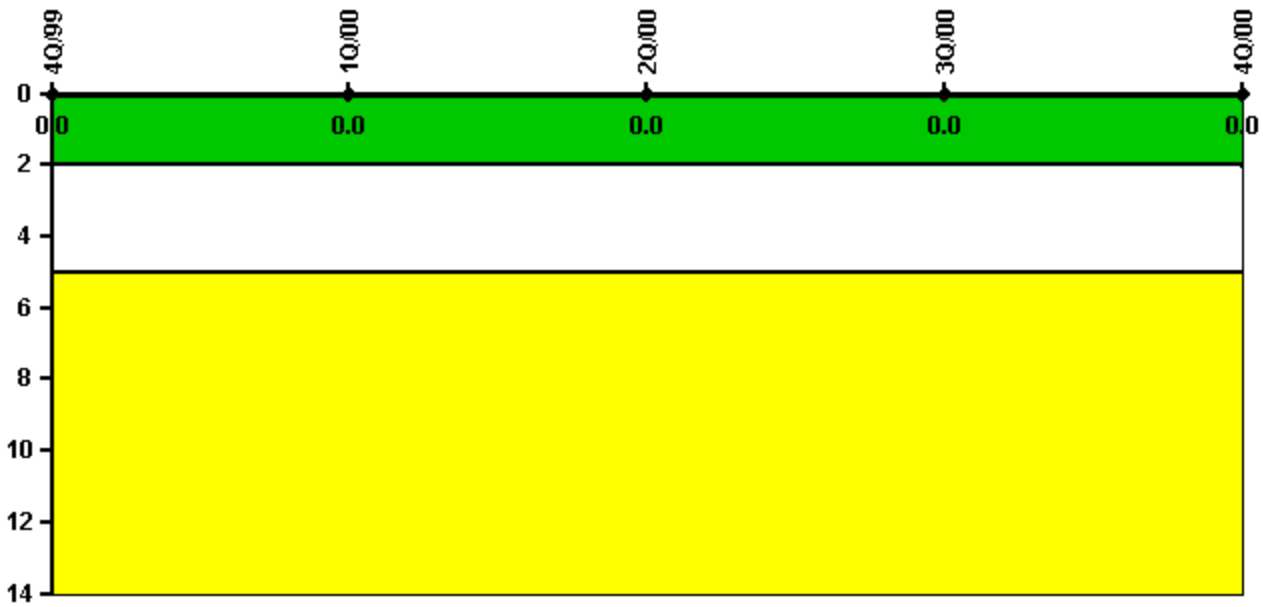
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	1179	912	1040	1175	1044
Total sirens-tests	1179	917	1048	1179	1048
Indicator value	99.7%	99.7%	99.6%	99.6%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



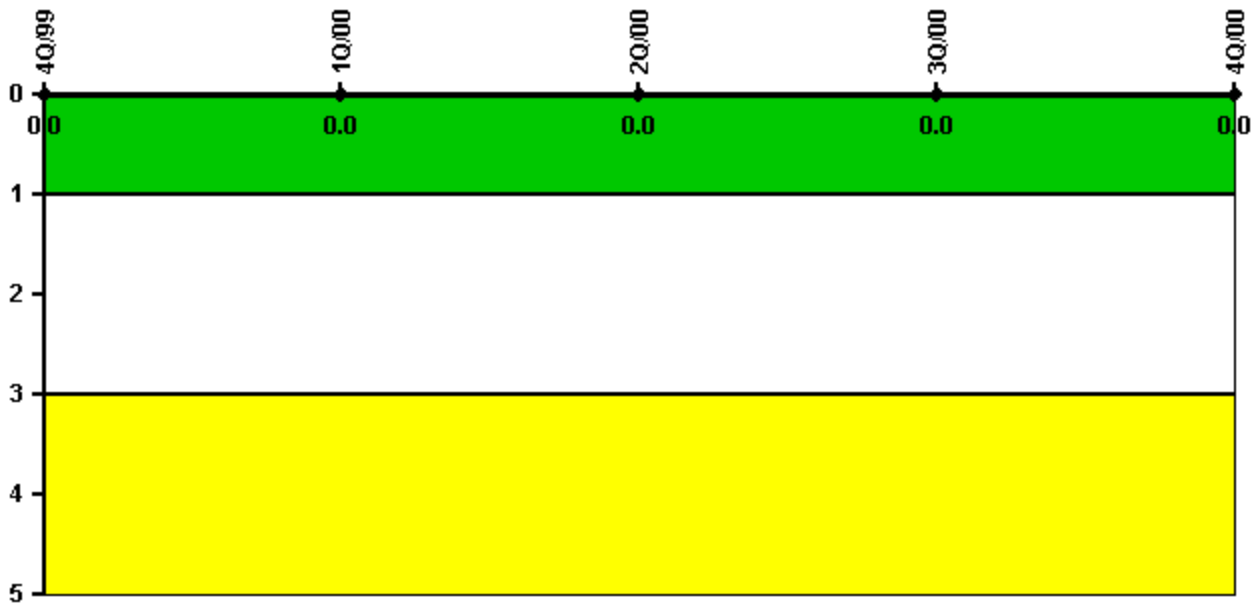
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



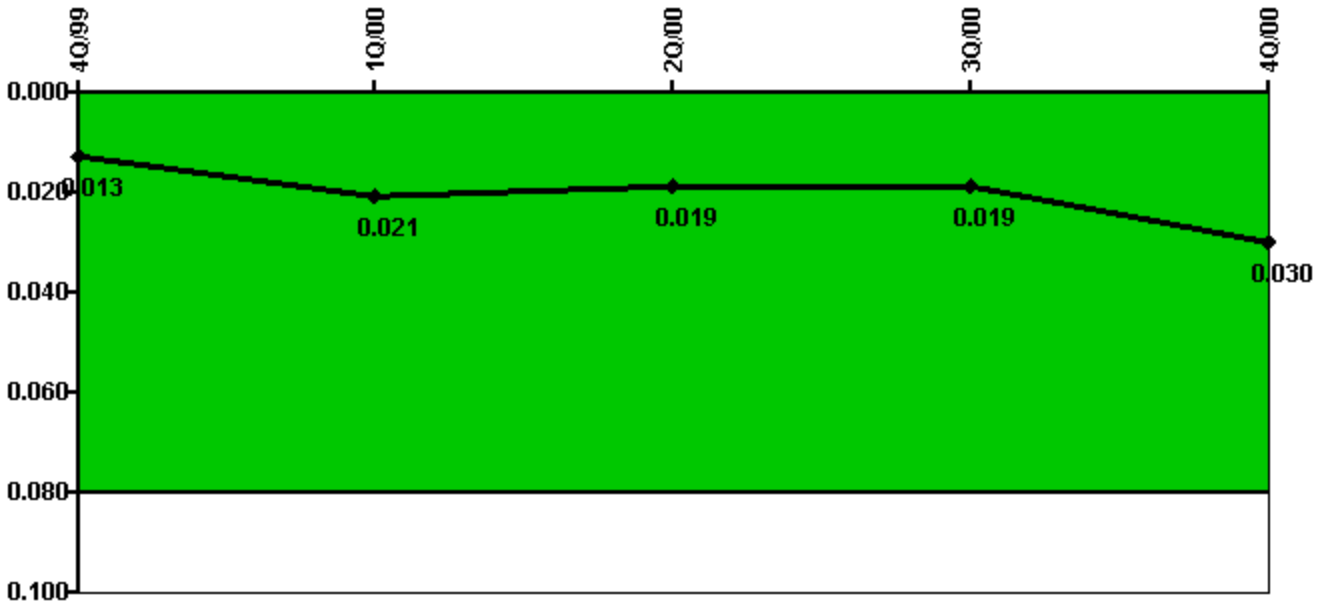
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



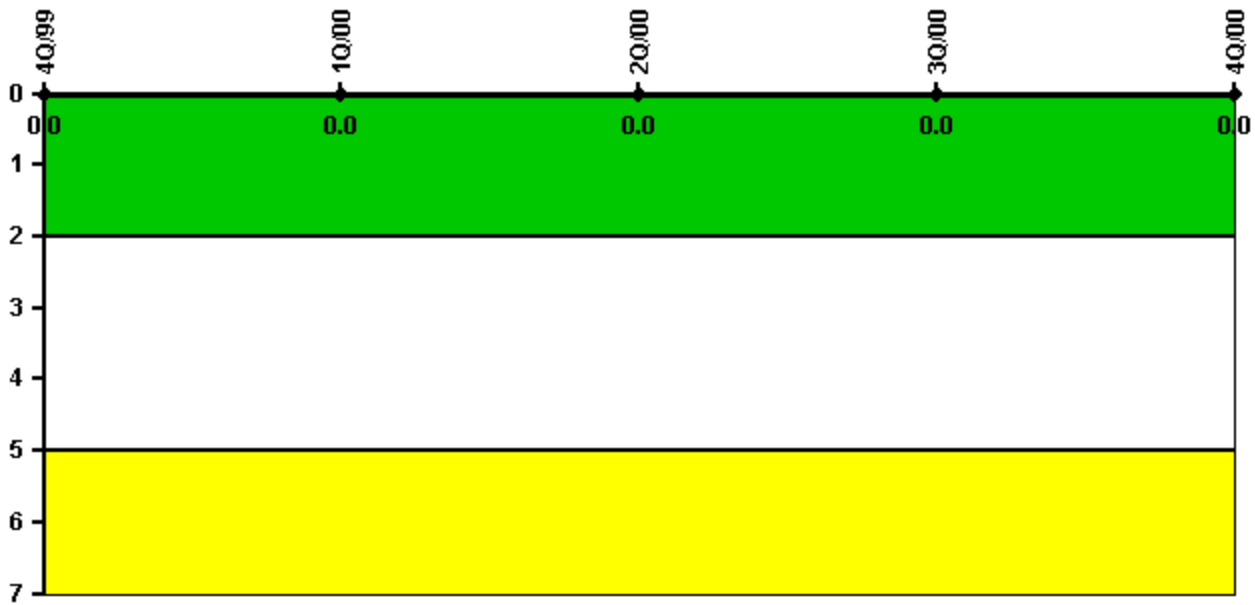
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	67.00	573.00	35.75	51.87	31.37
CCTV compensatory hours	0	0	0	14.9	267.1
IDS normalization factor	2.25	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2
Index Value	0.013	0.021	0.019	0.019	0.030

Licensee Comments: none

Personnel Screening Program



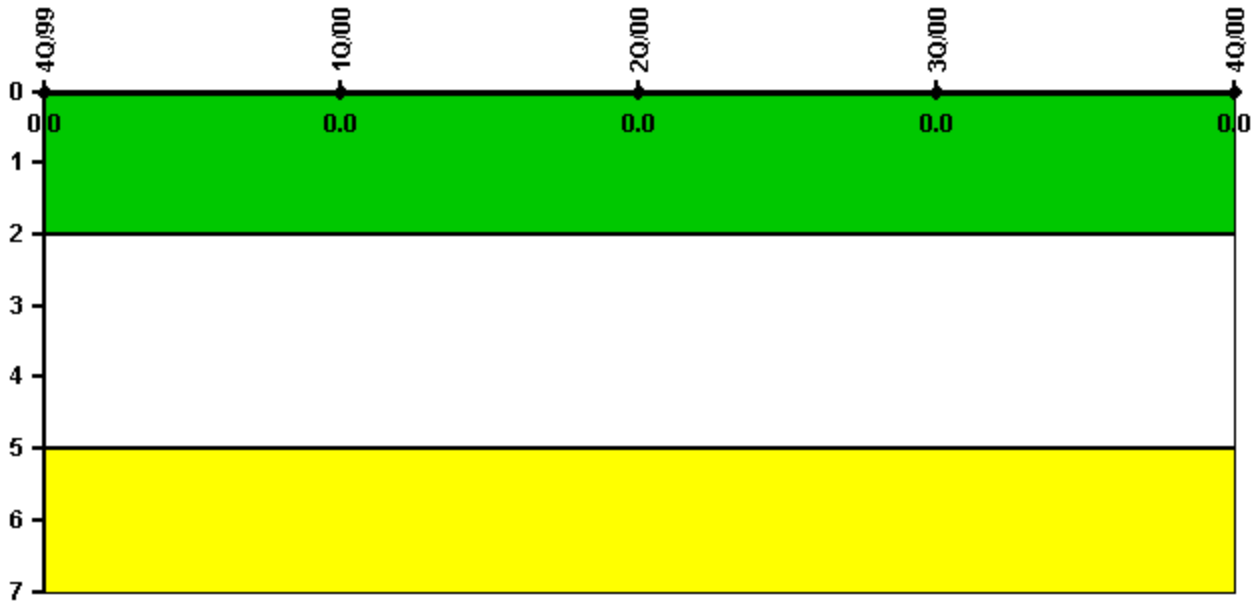
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Program failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

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

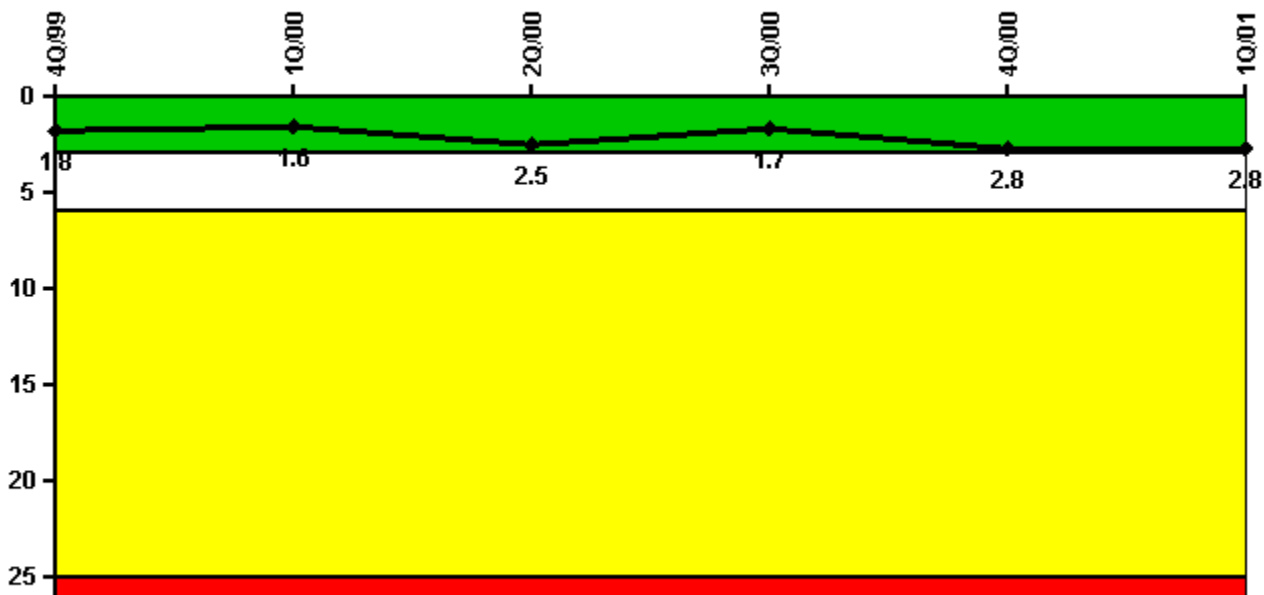
Last Modified: March 28, 2002

Diablo Canyon 1

1Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



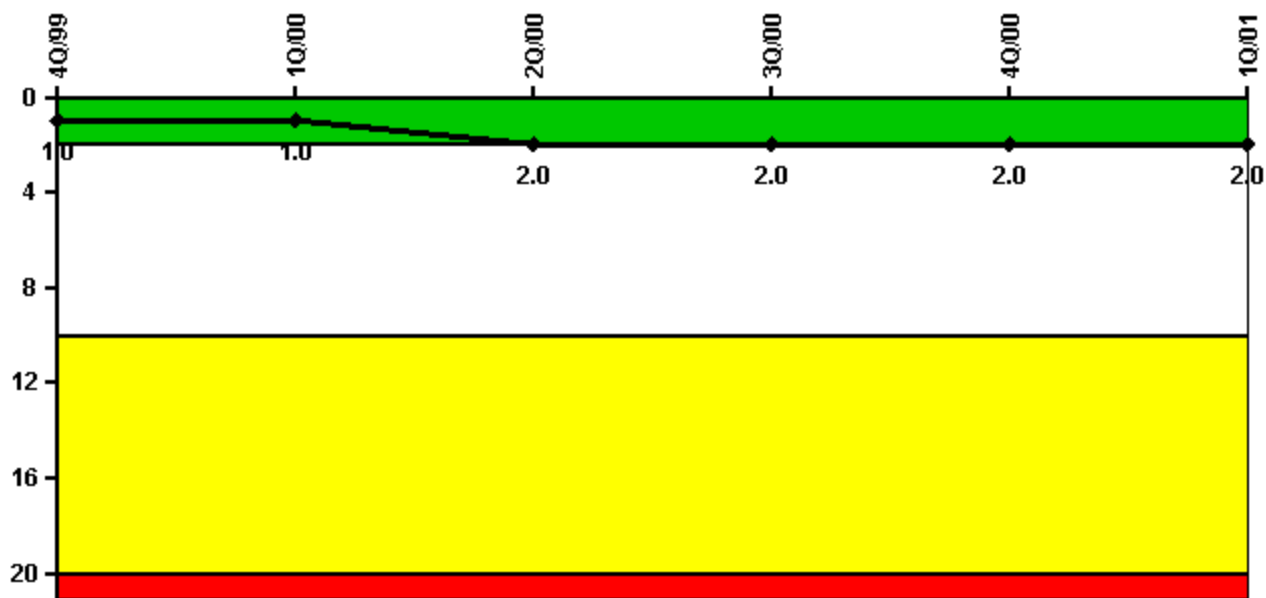
Thresholds: **White** > 3.0 **Yellow** > 6.0 **Red** > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	1.0	0	1.0	0	2.0	0
Critical hours	2140.8	2184.0	1906.8	2208.0	1299.8	2160.0
Indicator value	1.8	1.6	2.5	1.7	2.8	2.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



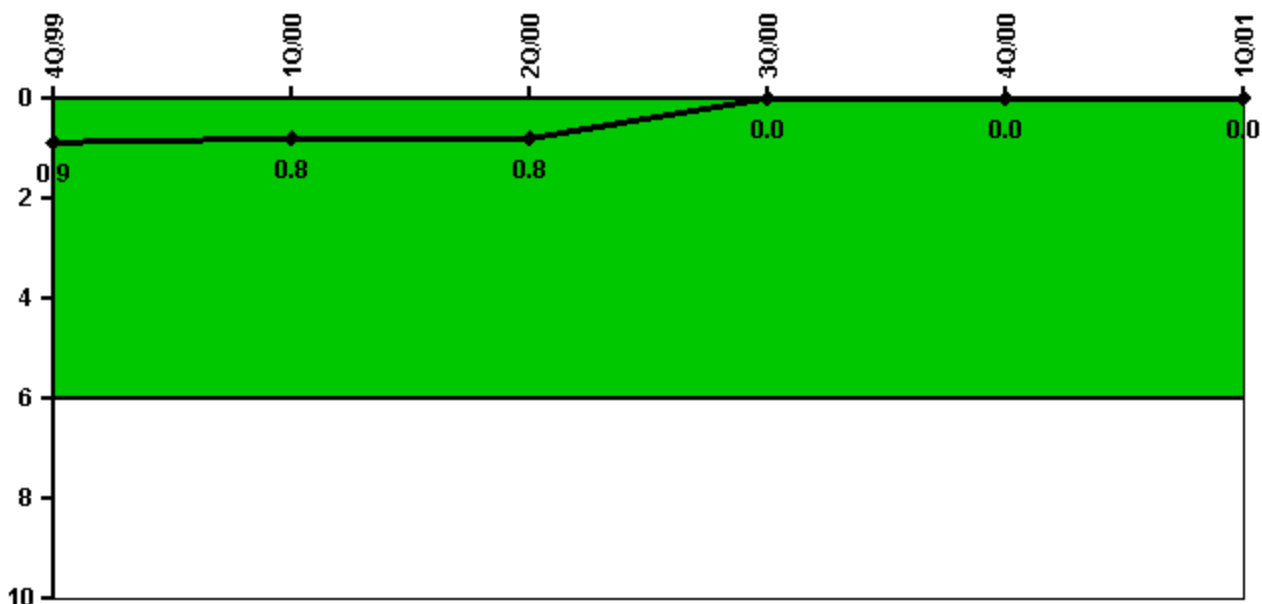
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	1.0	0	1.0	0	0	0
Indicator value	1.0	1.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

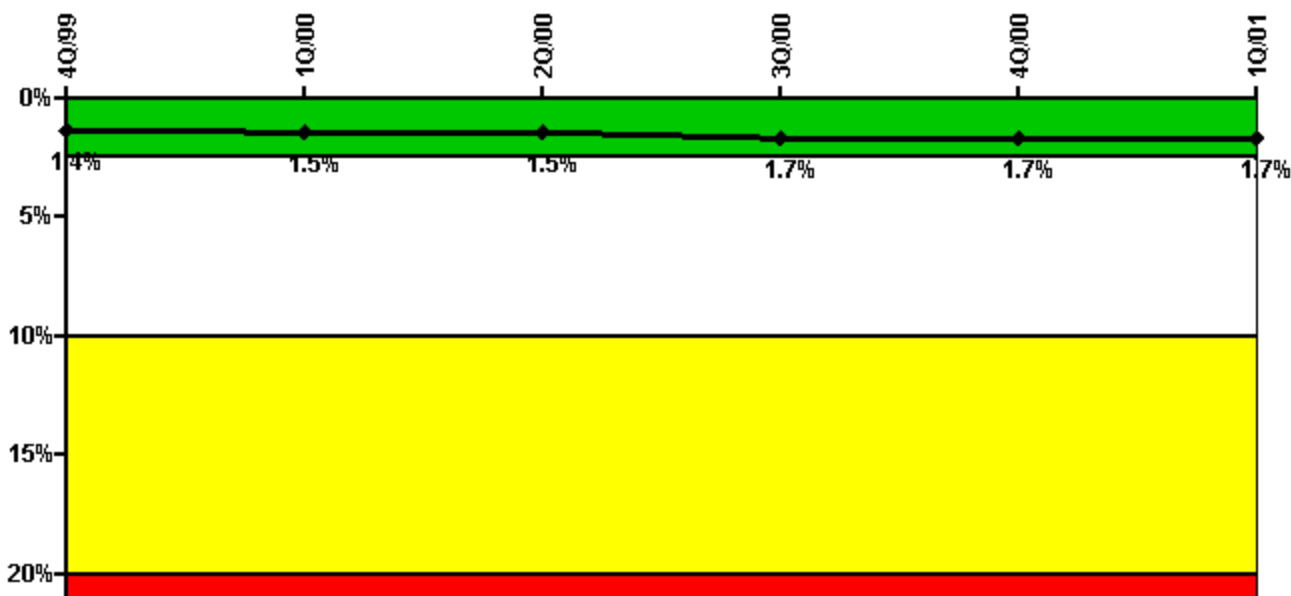
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	0
Critical hours	2140.8	2184.0	1906.8	2208.0	1299.8	2160.0
Indicator value	0.9	0.8	0.8	0	0	0

Licensee Comments:

4Q/00: The PI value for 4Q00 was reduced from 1 to 0 based on the deletion of a 12/22/00 power change that need not be counted under this PI per FAQ #274. The change does not affect any other periods, and does not affect the color of the PI.

Safety System Unavailability, Emergency AC Power, >2EDG



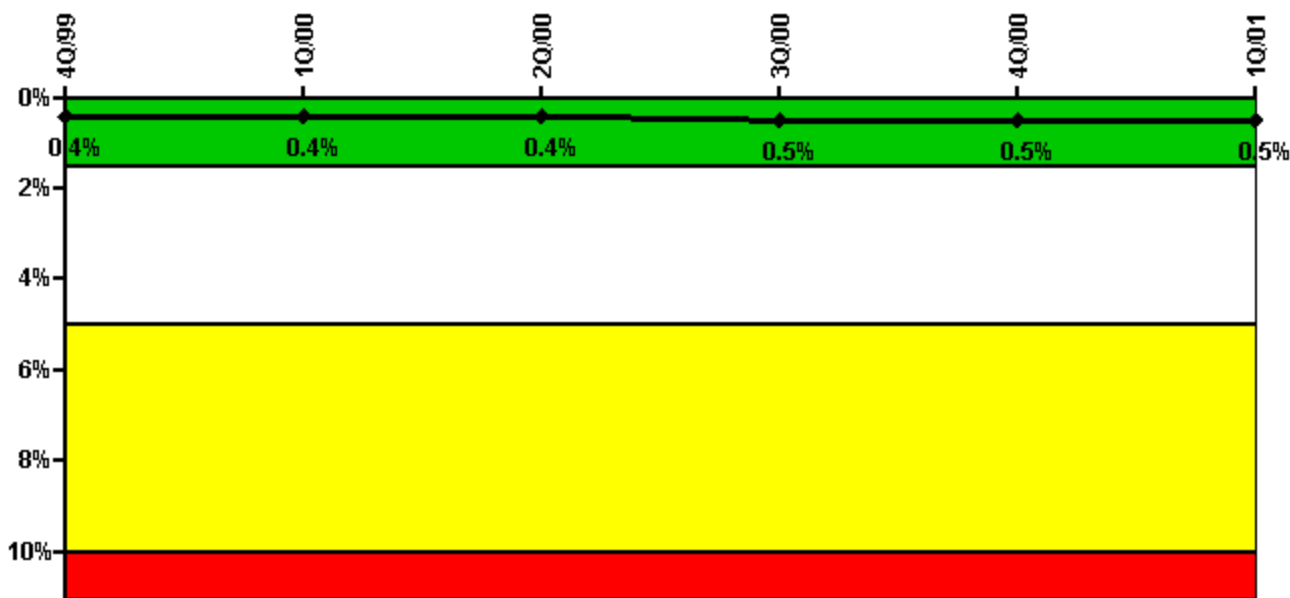
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	1.40	0.17	0.10	67.20	0.10	0.80
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	0	1.18	51.80	4.50	0.10	0.50
Unplanned unavailable hours	0	0	0	4.00	0	50.90
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 3						
Planned unavailable hours	1.60	0.10	11.20	50.00	16.00	0.90
Unplanned unavailable hours	0	20.50	0	13.90	21.40	14.40
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.4%	1.5%	1.5%	1.7%	1.7%	1.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

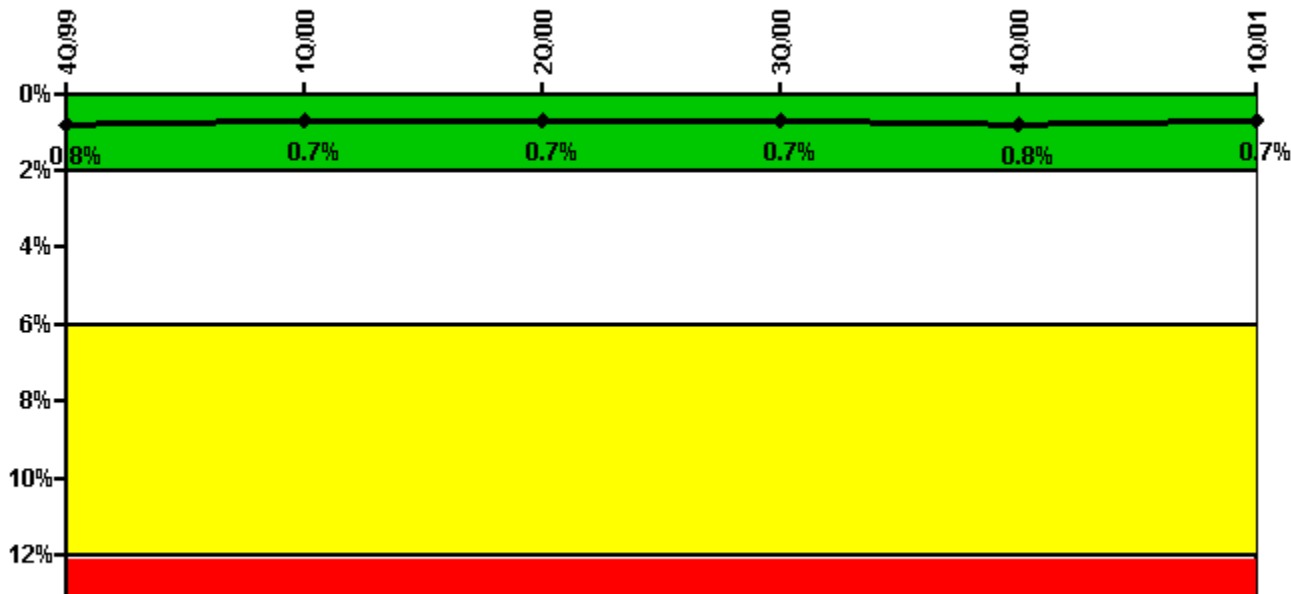


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0	0	44.50	0	4.80	13.40
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00
Train 2						
Planned unavailable hours	5.00	0	0	12.10	6.40	24.90
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00
Train 3						
Planned unavailable hours	0.40	18.92	0.10	13.00	0.30	1.20
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00
Train 4						
Planned unavailable hours	0.10	1.03	26.20	0.45	11.00	1.20
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00
Indicator value	0.4%	0.4%	0.4%	0.5%	0.5%	0.5%

Safety System Unavailability, Heat Removal System (AFW)



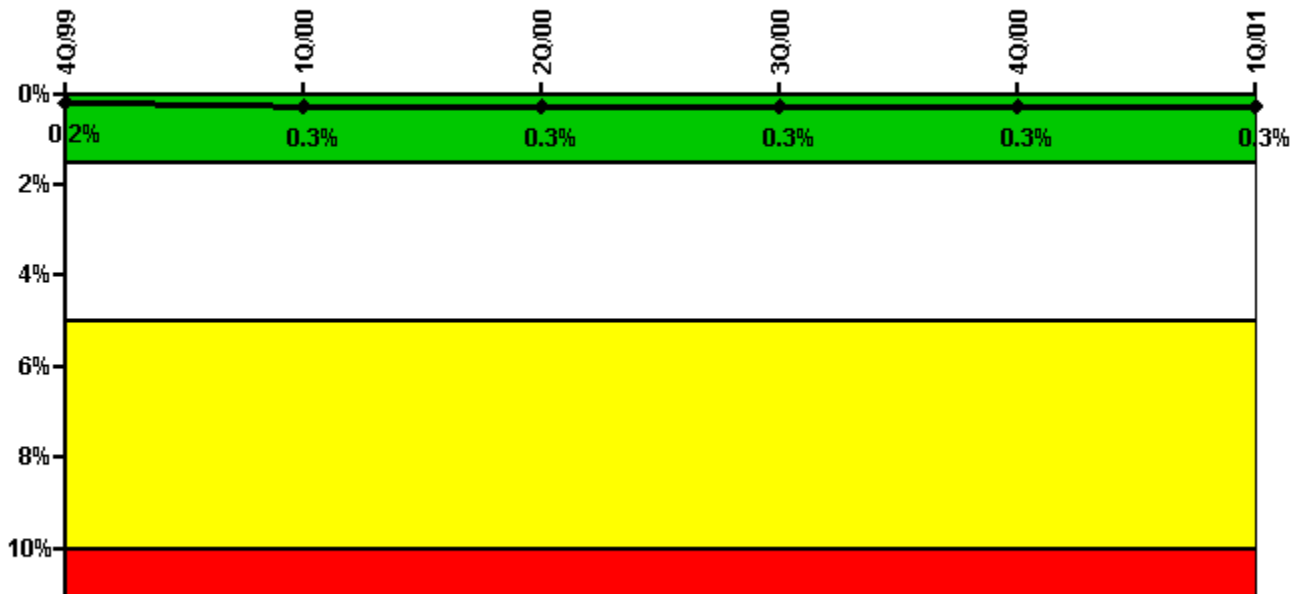
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	7.40	18.10	22.60	36.00	47.50	2.50
Unplanned unavailable hours	0	43.15	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00
Train 2						
Planned unavailable hours	5.40	12.22	1.10	3.60	18.70	2.40
Unplanned unavailable hours	0	0	0	0	35.40	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00
Train 3						
Planned unavailable hours	1.10	1.28	10.40	3.40	0.50	15.40
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00
Indicator value	0.8%	0.7%	0.7%	0.7%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



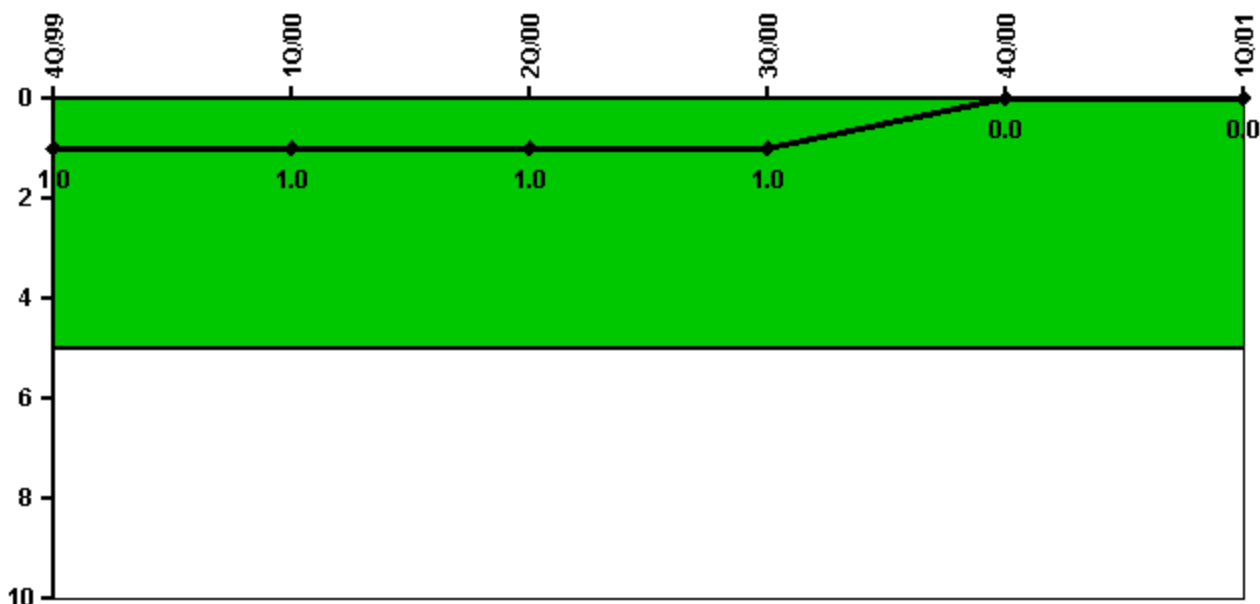
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	2.60	1.08	26.10	0.45	13.10	0.90
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	0.30	2.77	22.10	0.25	0	10.40
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2140.80	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)



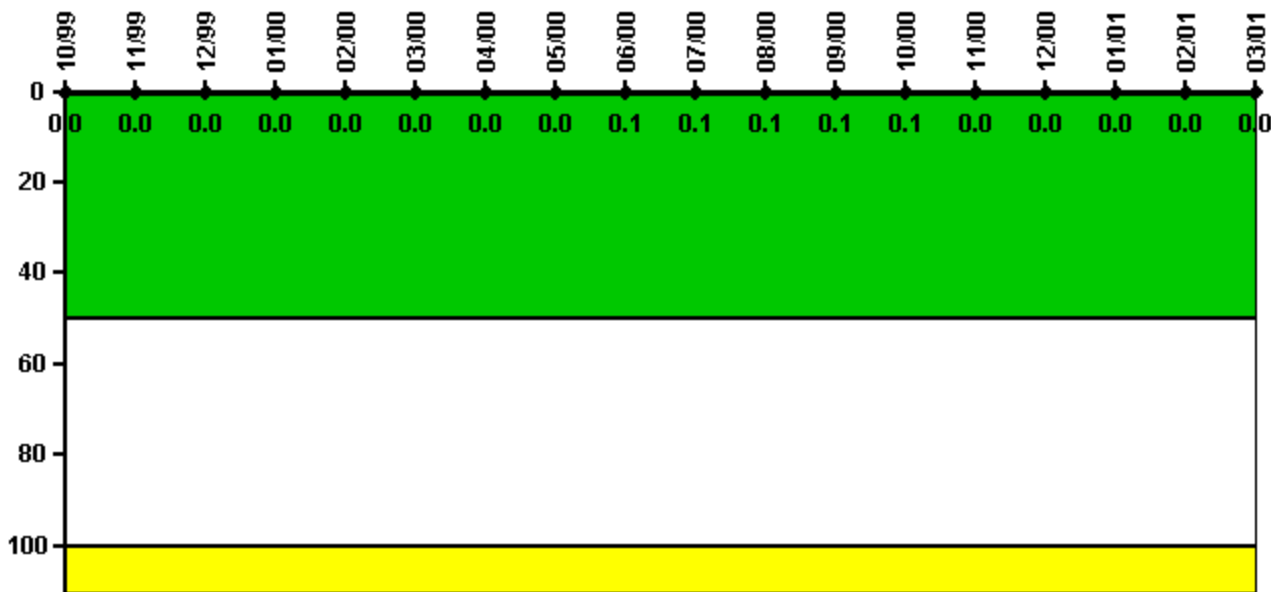
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Safety System Functional Failures	1	0	0	0	0	0
Indicator value	1	1	1	1	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

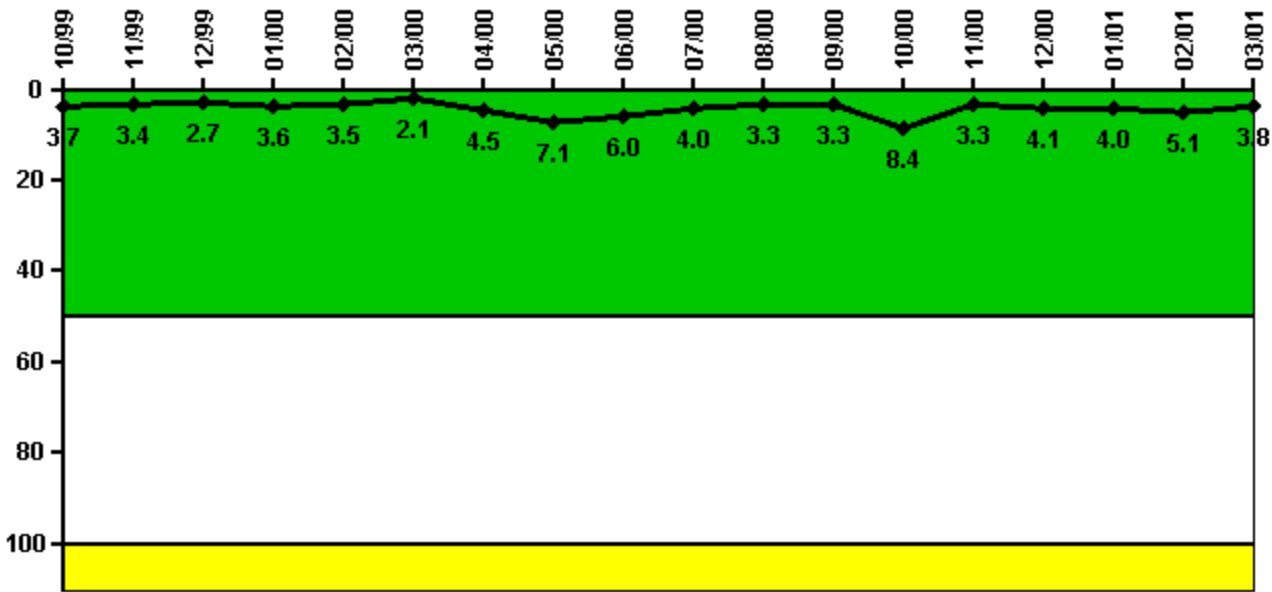
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000412	0.000364	0.000444	0.000424	0.000495	0.000482	0.000408	0.000486	0.000605	0.000567	0.000608	0.000562
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
Indicator value	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000621	0.000222	0.000254	0.000265	0.000285	0.000350
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0	0	0	0	0

Licensee Comments:

3/01: The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for nonconservatism identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.365	0.340	0.270	0.357	0.349	0.214	0.454	0.705	0.602	0.397	0.332	0.327
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	3.7	3.4	2.7	3.6	3.5	2.1	4.5	7.1	6.0	4.0	3.3	3.3

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.839	0.325	0.405	0.398	0.509	0.379
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	8.4	3.3	4.1	4.0	5.1	3.8

Licensee Comments:

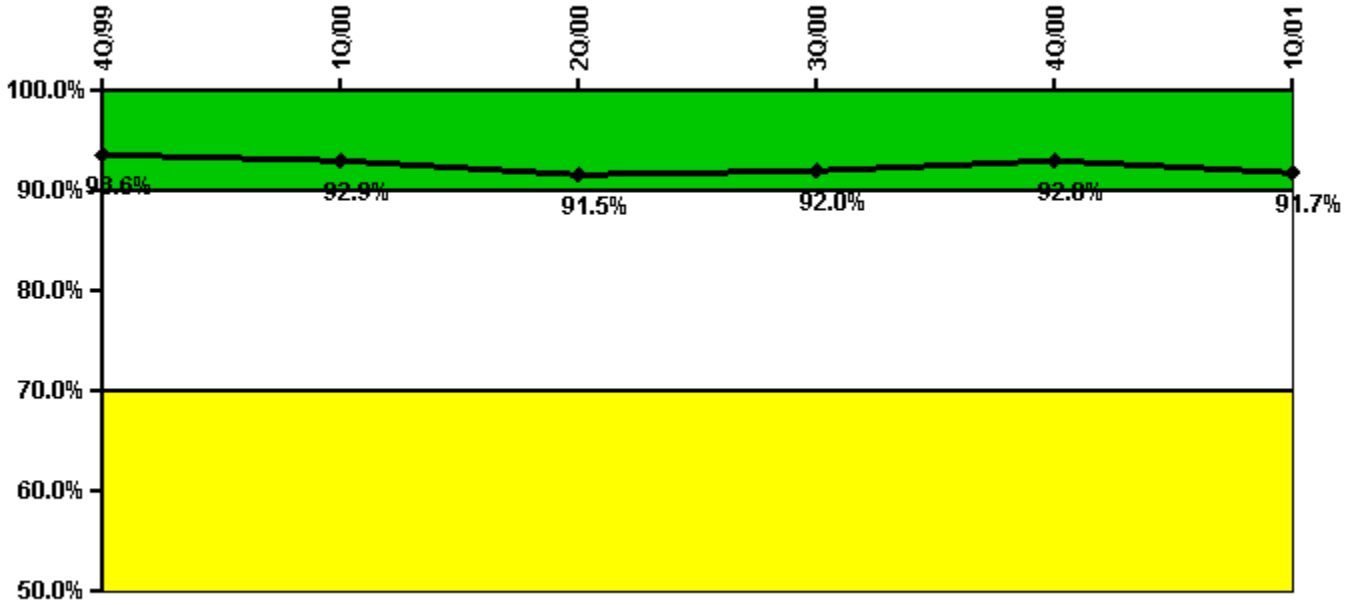
3/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

12/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

9/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

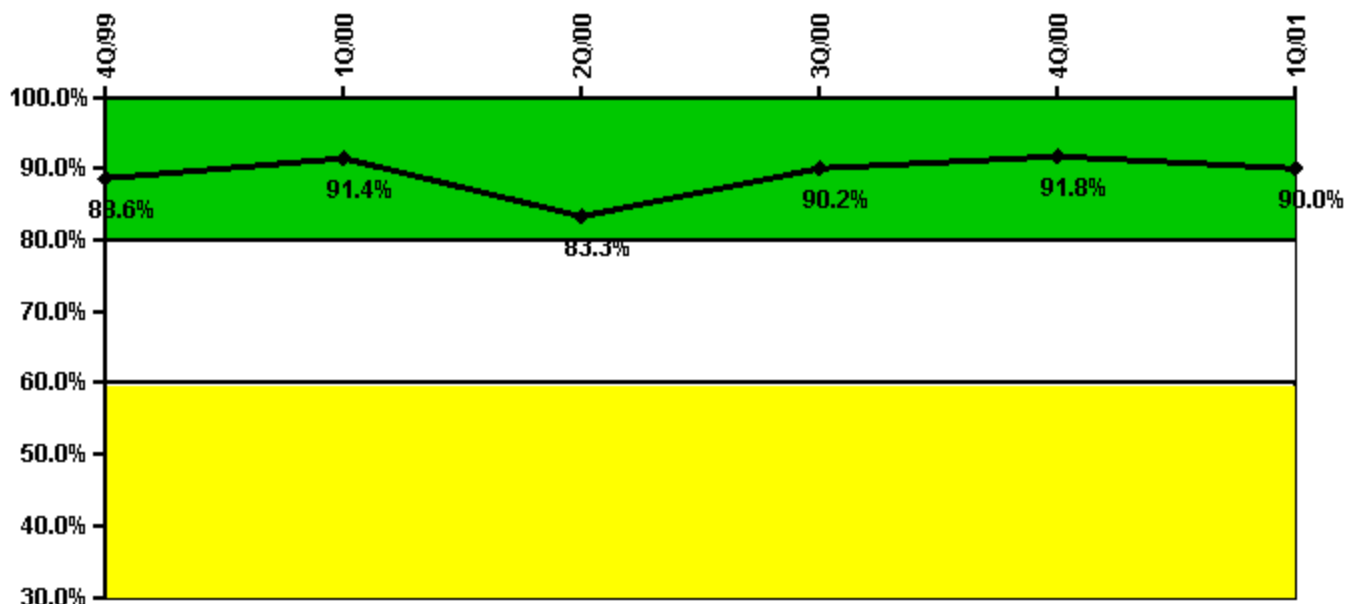
Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	10.0	24.0	28.0	21.0	10.0	36.0
Total opportunities	10.0	27.0	33.0	23.0	10.0	40.0
Indicator value	93.6%	92.9%	91.5%	92.0%	92.8%	91.7%

Licensee Comments:

1Q/01: The 1Q01 ERO drill/exercise performance data are being revised to include data from operations simulator drills that were performed during 1Q01 but not available for inclusion in the 1Q01 data submittal. Operations simulator drills performed in subsequent quarters will be included in that quarter's data. The change does not affect the color of the PI.

ERO Drill Participation



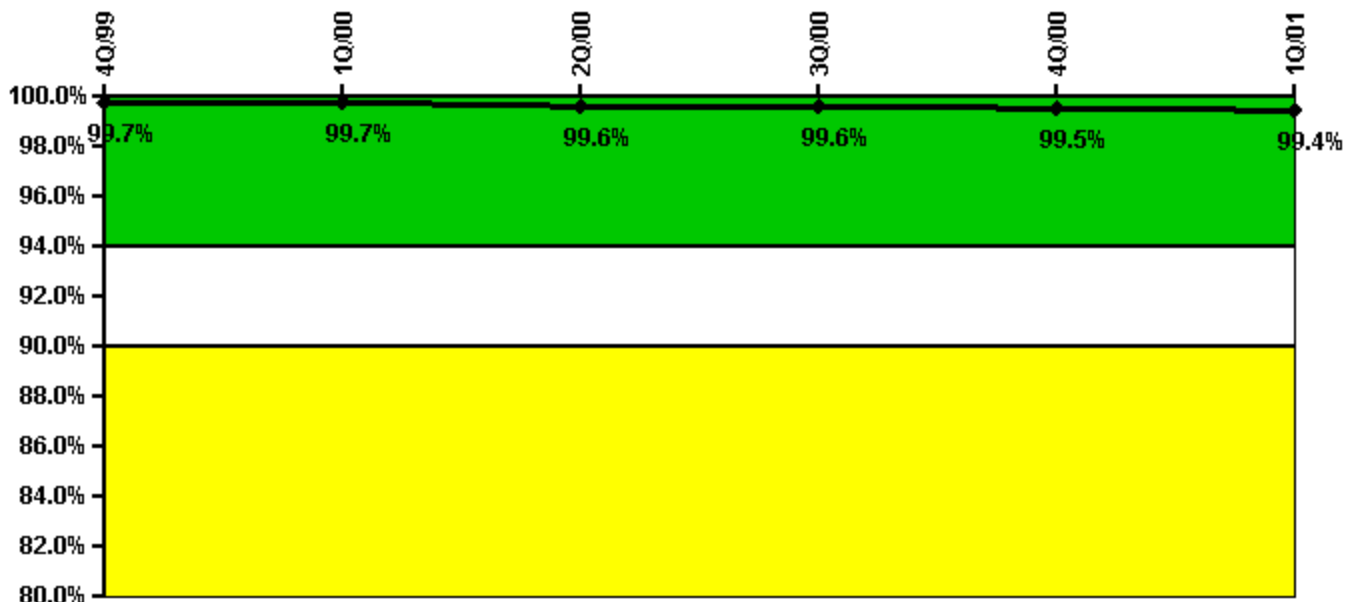
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	62.0	53.0	50.0	55.0	56.0	54.0
Total Key personnel	70.0	58.0	60.0	61.0	61.0	60.0
Indicator value	88.6%	91.4%	83.3%	90.2%	91.8%	90.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	1179	912	1040	1175	1044	909
Total sirens-tests	1179	917	1048	1179	1048	917
Indicator value	99.7%	99.7%	99.6%	99.6%	99.5%	99.4%

Licensee Comments:

1Q/01: The 1Q01 Alert and Notification System Reliability PI data are being revised to include data from a January 9, 2001 siren silent test that was not included in the 1Q01 PI data submittal due to a data entry error. The change does not affect any other periods, and does not affect the color of the PI.

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	0	0	0	0	0	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



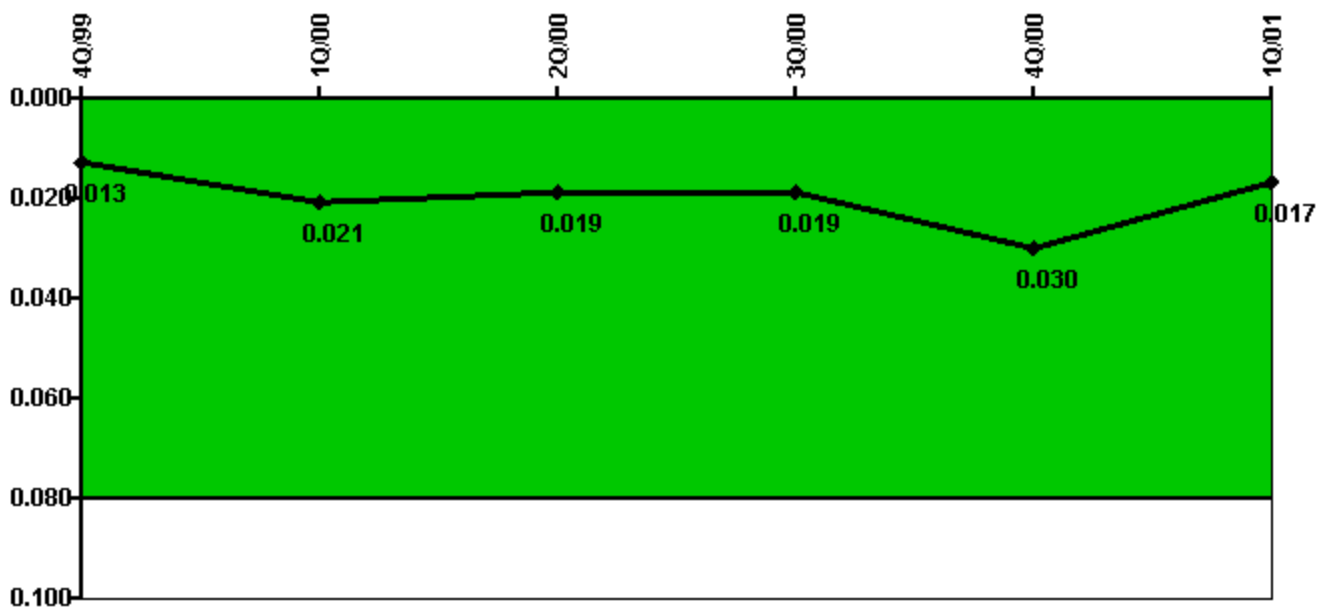
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



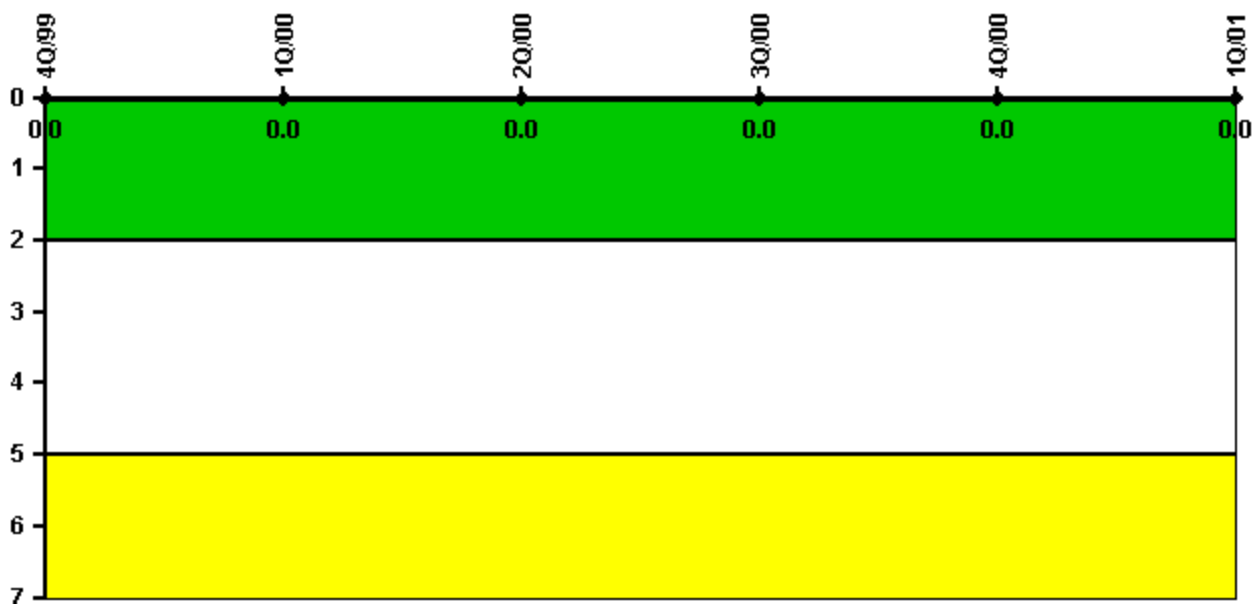
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	67.00	573.00	35.75	51.87	31.37	3.87
CCTV compensatory hours	0	0	0	14.9	267.1	22.4
IDS normalization factor	2.25	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.013	0.021	0.019	0.019	0.030	0.017

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program Failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

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

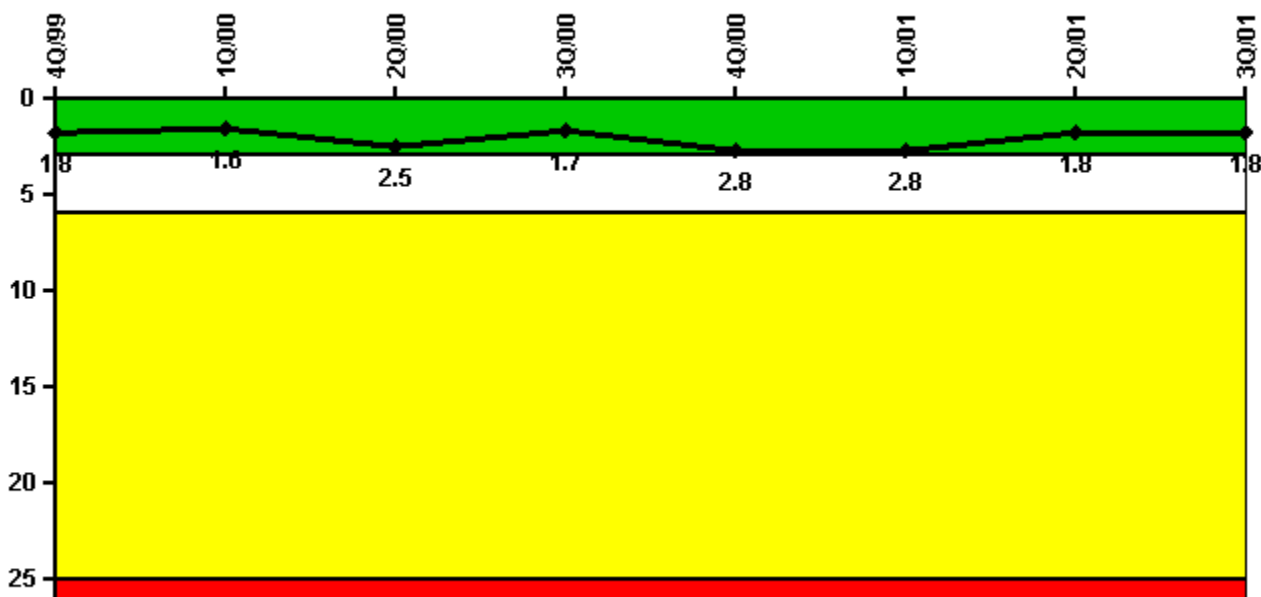
Last Modified: March 28, 2002

Diablo Canyon 1

3Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



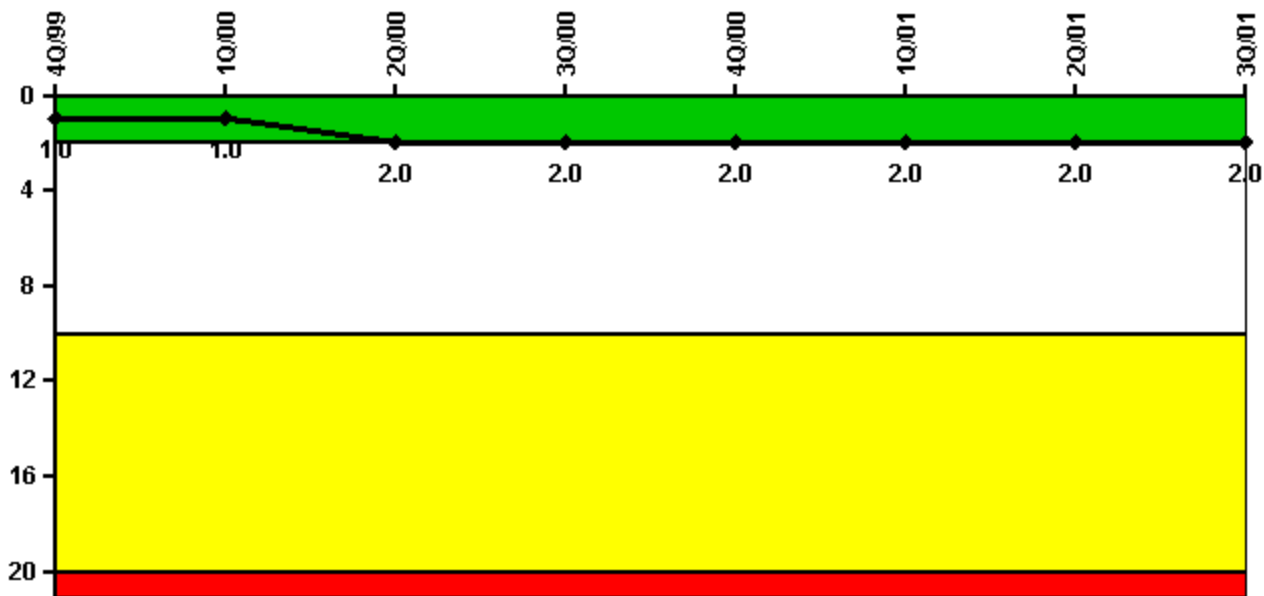
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	1.0	0	1.0	0	2.0	0	0	0
Critical hours	2140.8	2184.0	1906.8	2208.0	1299.8	2160.0	2183.0	2208.0
Indicator value	1.8	1.6	2.5	1.7	2.8	2.8	1.8	1.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



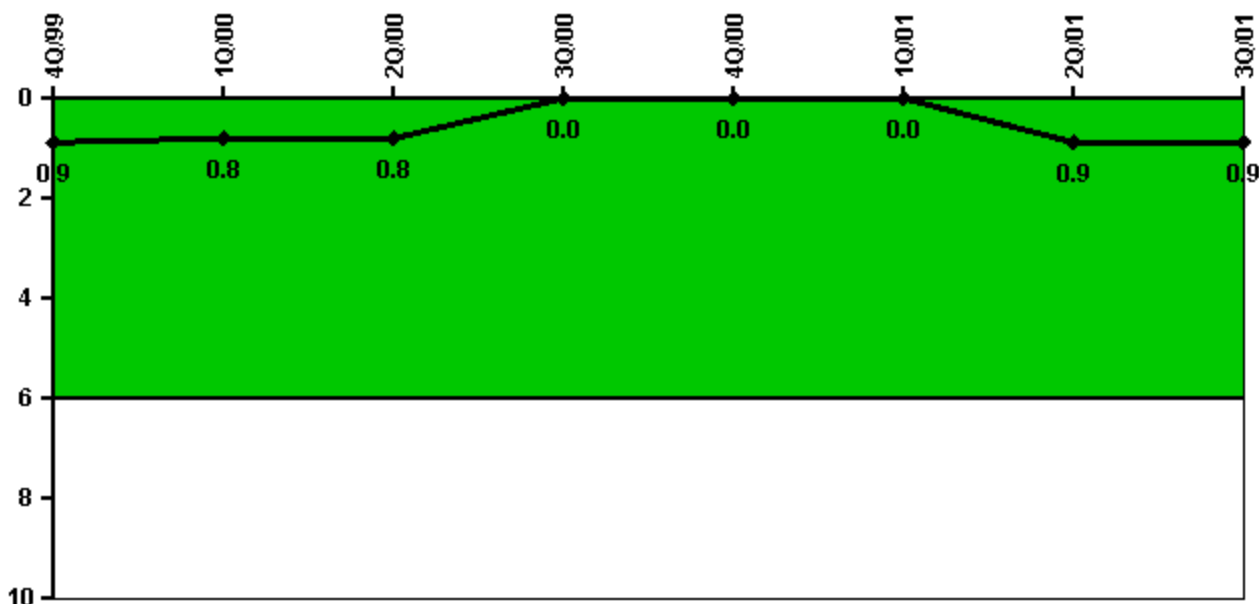
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
Indicator value	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



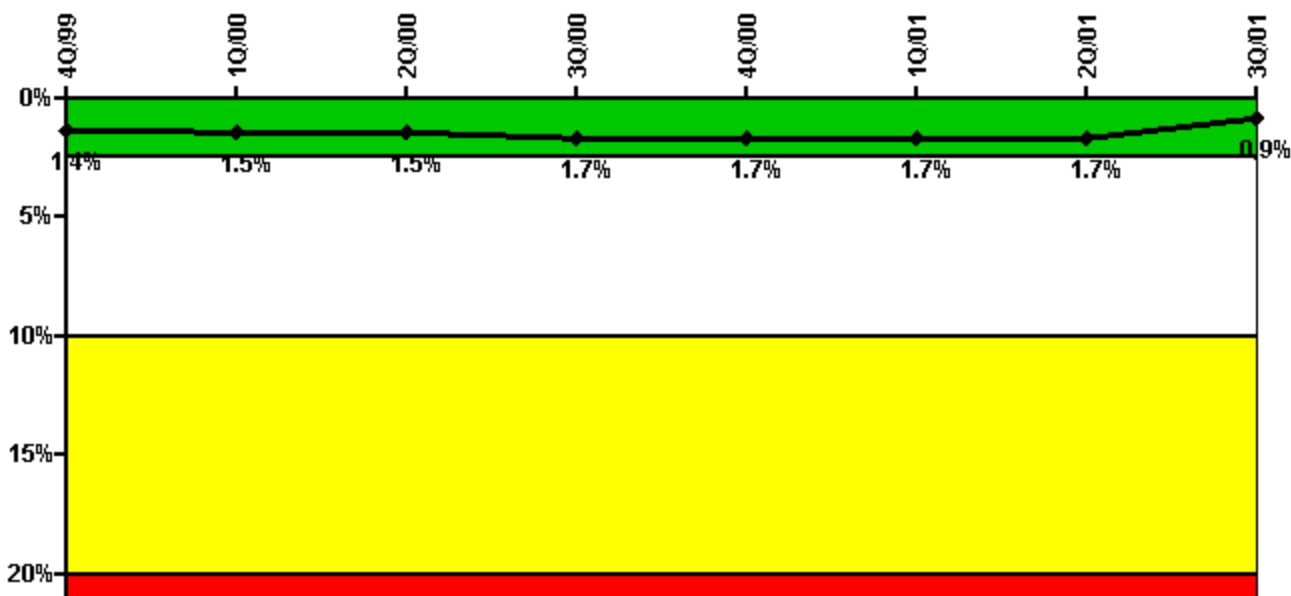
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2140.8	2184.0	1906.8	2208.0	1299.8	2160.0	2183.0	2208.0
Indicator value	0.9	0.8	0.8	0	0	0	0.9	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



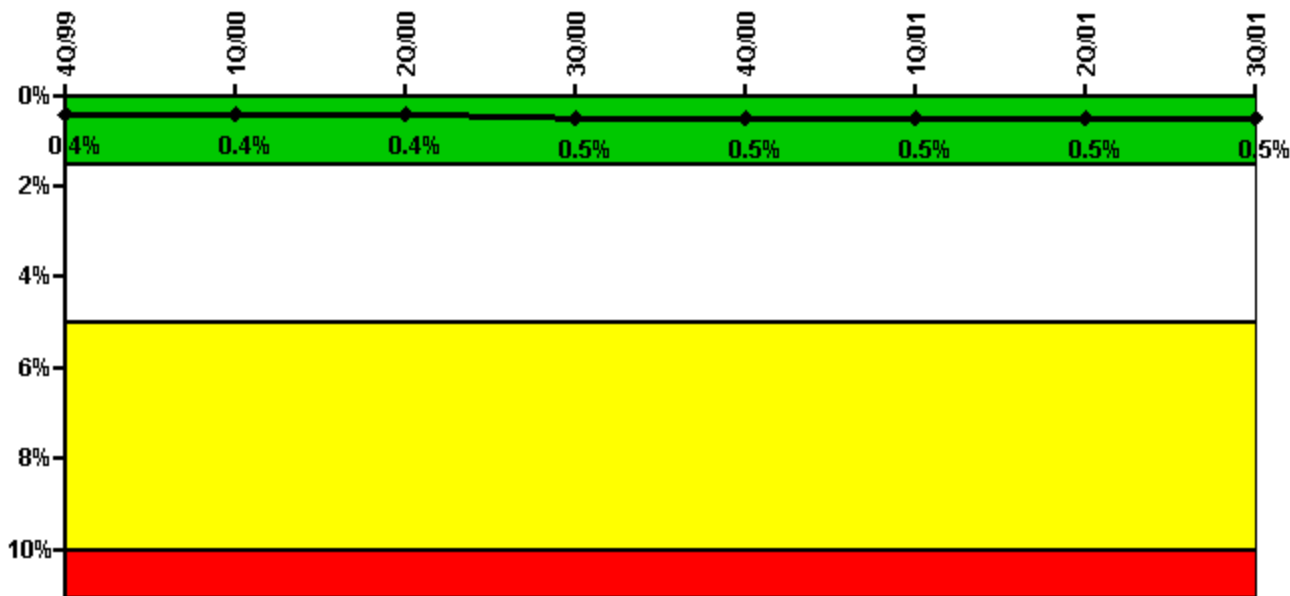
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	1.40	0.17	0.10	67.20	0.10	0.80	2.30	16.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	1.18	51.80	4.50	0.10	0.50	1.40	32.20
Unplanned unavailable hours	0	0	0	4.00	0	50.90	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	1.60	0.10	11.20	50.00	16.00	0.90	26.60	0.10
Unplanned unavailable hours	0	20.50	0	13.90	21.40	14.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.4%	1.5%	1.5%	1.7%	1.7%	1.7%	1.7%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



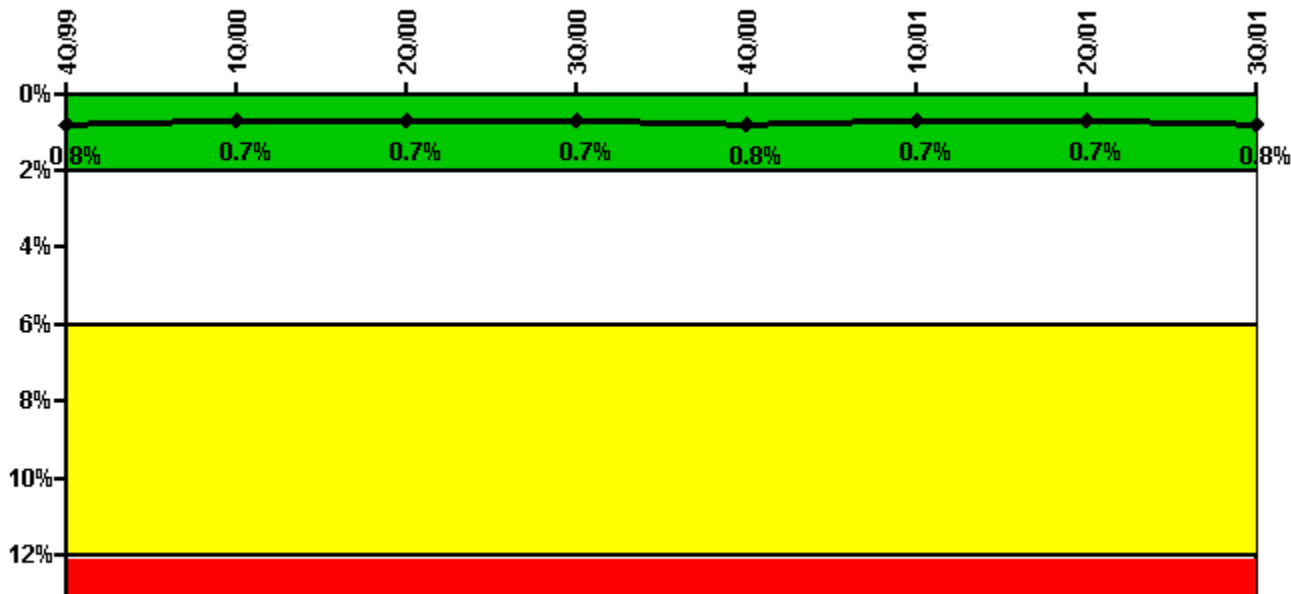
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0	0	44.50	0	4.80	13.40	43.70	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.00	0	0	12.10	6.40	24.90	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0.40	18.92	0.10	13.00	0.30	1.20	9.82	0.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	0.10	1.03	26.20	0.45	11.00	1.20	0.10	12.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Indicator value	0.4%	0.4%	0.4%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

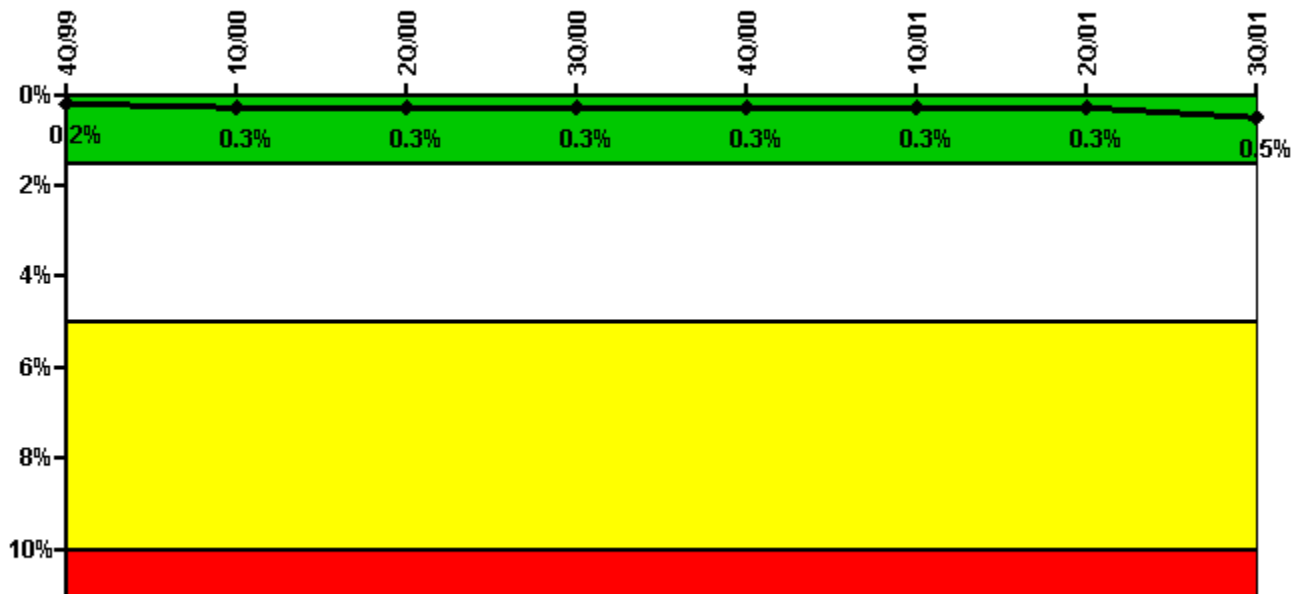
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	7.40	18.10	22.60	36.00	47.50	2.50	19.20	7.60
Unplanned unavailable hours	0	43.15	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.40	12.22	1.10	3.60	18.70	2.40	4.60	32.20
Unplanned unavailable hours	0	0	0	0	35.40	0	0.40	16.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	1.10	1.28	10.40	3.40	0.50	15.40	0	26.30
Unplanned unavailable hours	0	0	0	0	0	0	3.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Indicator value	0.8%	0.7%	0.7%	0.7%	0.8%	0.7%	0.7%	0.8%

Licensee Comments:

2Q/01: The number of 2Q01 unavailability hours for Trains 2 and 3 were decreased by 17.3 hours and 7.2 hours, respectively, to reflect a reduction in unavailability time attributed to a line flushing evolution performed during 2Q01. The entire period during which the flushing activities were occurring was erroneously assigned as unavailability hours when, in fact, the actual unavailability time was substantially less. The flushing was required to remove pump suction line impurities attributed to in-leakage from a backup water source. The changes do not affect other quarters or the color of the PI.

Safety System Unavailability, Residual Heat Removal System



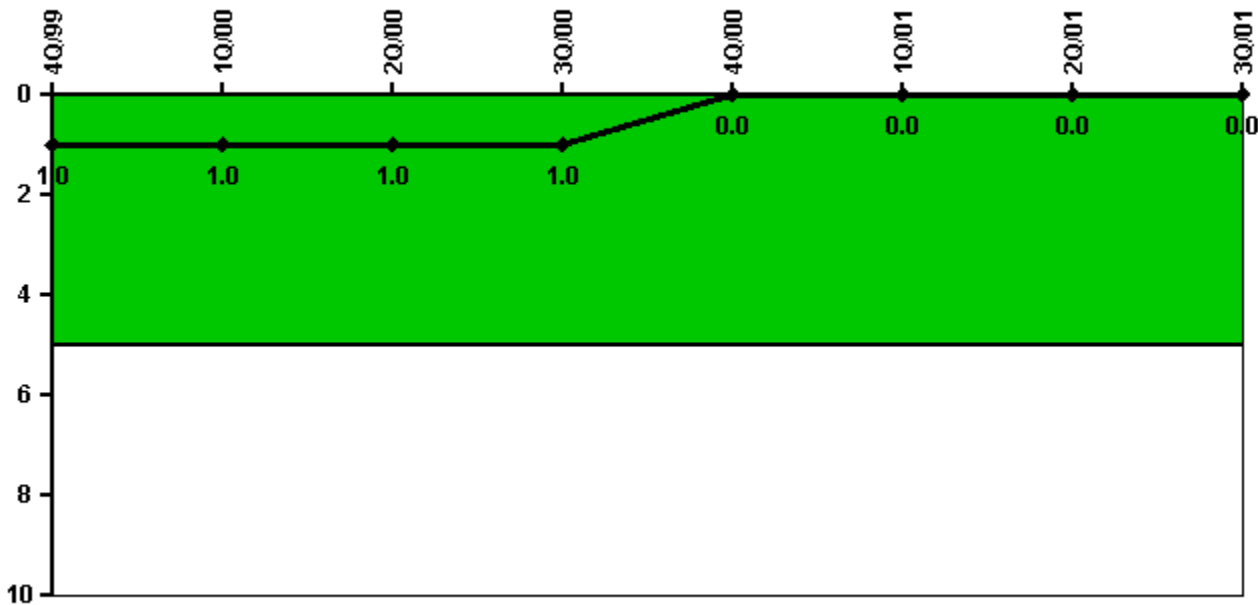
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	2.60	1.08	26.10	0.45	13.10	0.90	0.30	11.60
Unplanned unavailable hours	0	0	0	0	0	0	0	6.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.30	2.77	22.10	0.25	0	10.40	0.60	72.10
Unplanned unavailable hours	0	0	0	0	0	0	0	9.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



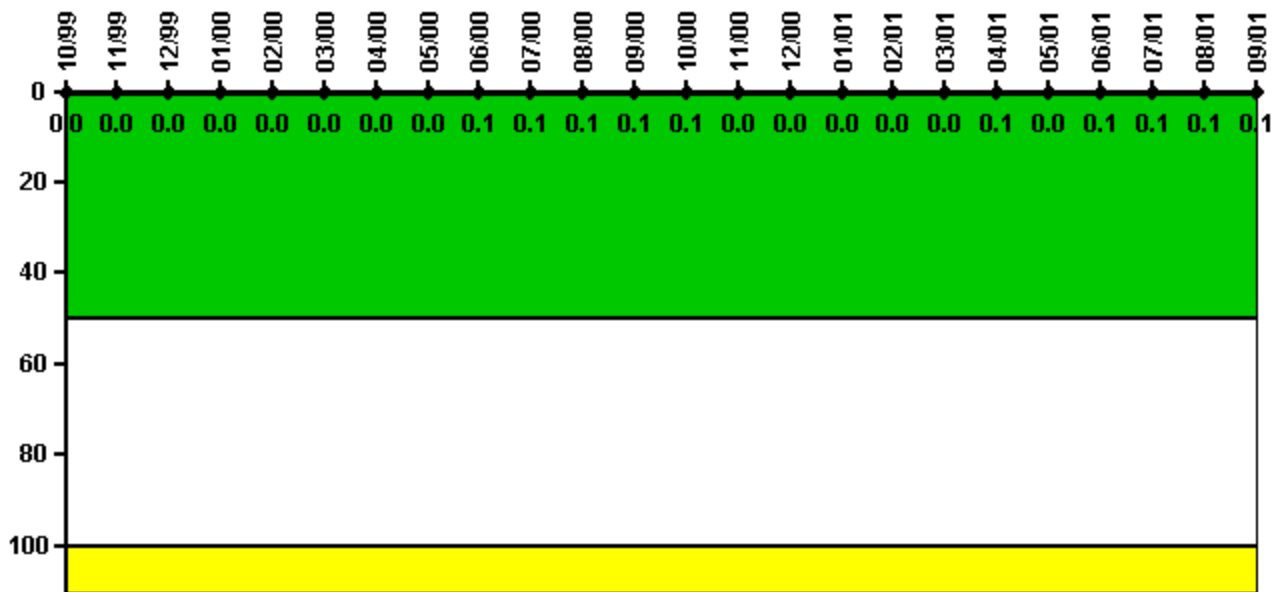
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

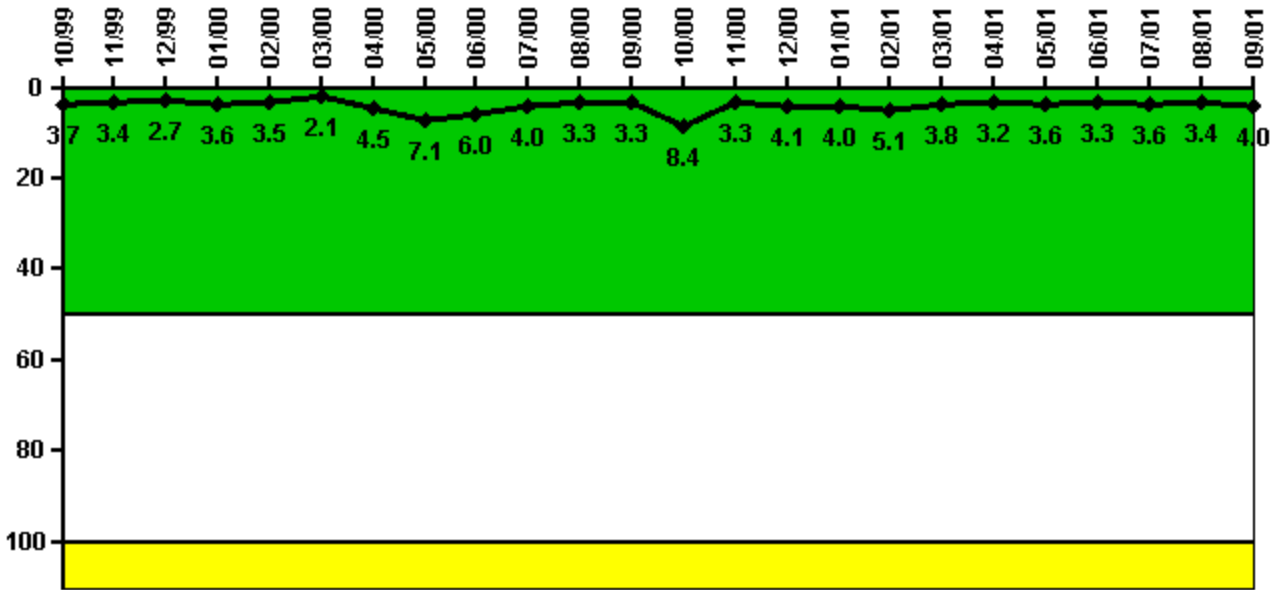
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000412	0.000364	0.000444	0.000424	0.000495	0.000482	0.000408	0.000486	0.000605	0.000567	0.000608	0.000562
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
Indicator value	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000621	0.000222	0.000254	0.000265	0.000285	0.000350	0.000368	0.000340	0.000414	0.000476	0.000631	0.000407
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0	0	0	0	0	0.1	0	0.1	0.1	0.1	0.1

Licensee Comments:

9/01: The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for nonconservatism identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.365	0.340	0.270	0.357	0.349	0.214	0.454	0.705	0.602	0.397	0.332	0.327
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	3.7	3.4	2.7	3.6	3.5	2.1	4.5	7.1	6.0	4.0	3.3	3.3

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.839	0.325	0.405	0.398	0.509	0.379	0.317	0.360	0.327	0.357	0.339	0.395
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	8.4	3.3	4.1	4.0	5.1	3.8	3.2	3.6	3.3	3.6	3.4	4.0

Licensee Comments:

9/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

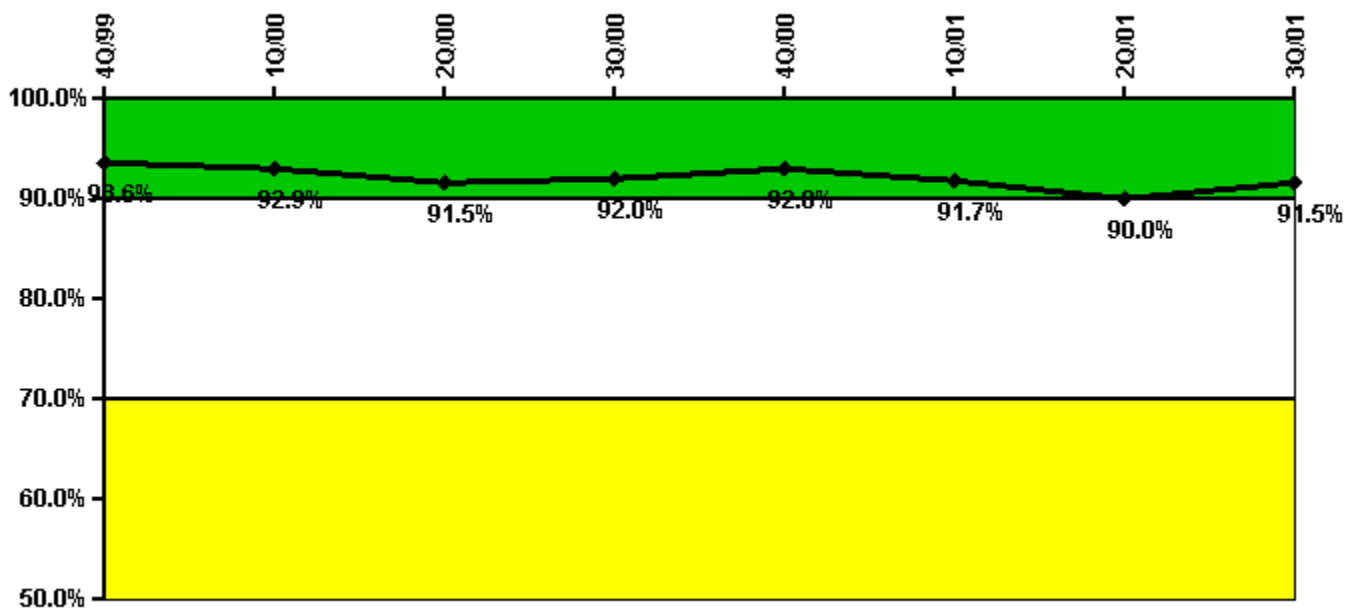
3/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

12/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

9/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

Drill/Exercise Performance



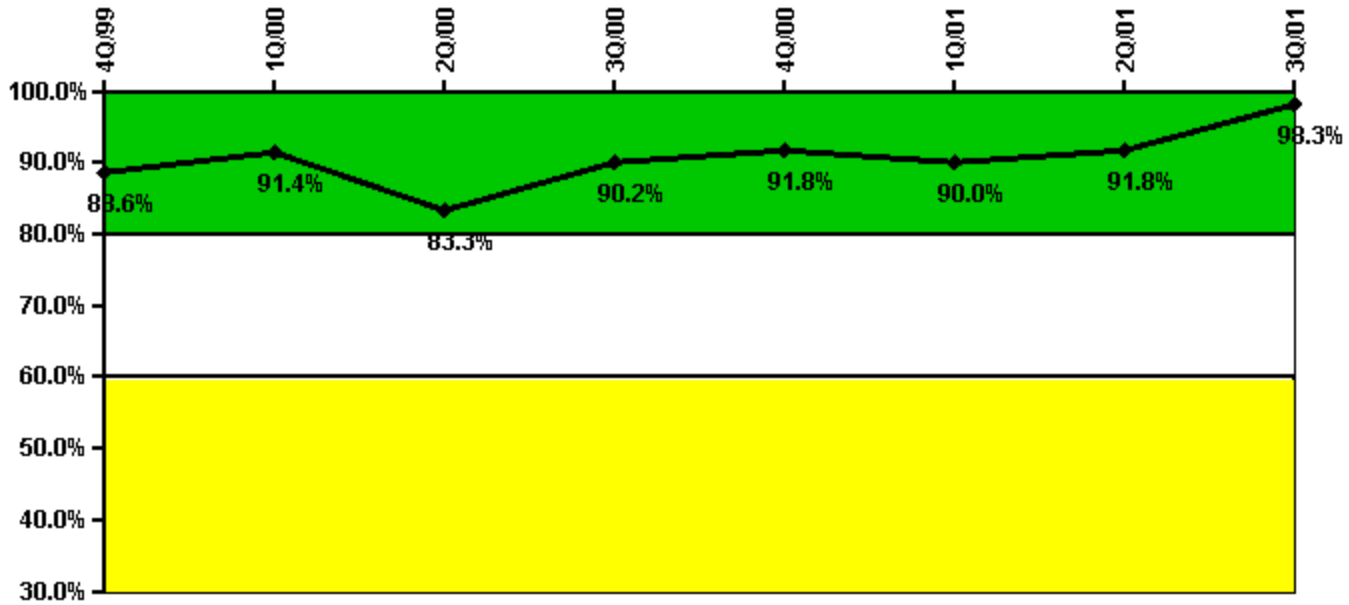
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	10.0	24.0	28.0	21.0	10.0	36.0	21.0	23.0
Total opportunities	10.0	27.0	33.0	23.0	10.0	40.0	23.0	23.0
Indicator value	93.6%	92.9%	91.5%	92.0%	92.8%	91.7%	90.0%	91.5%

Licensee Comments: none

ERO Drill Participation



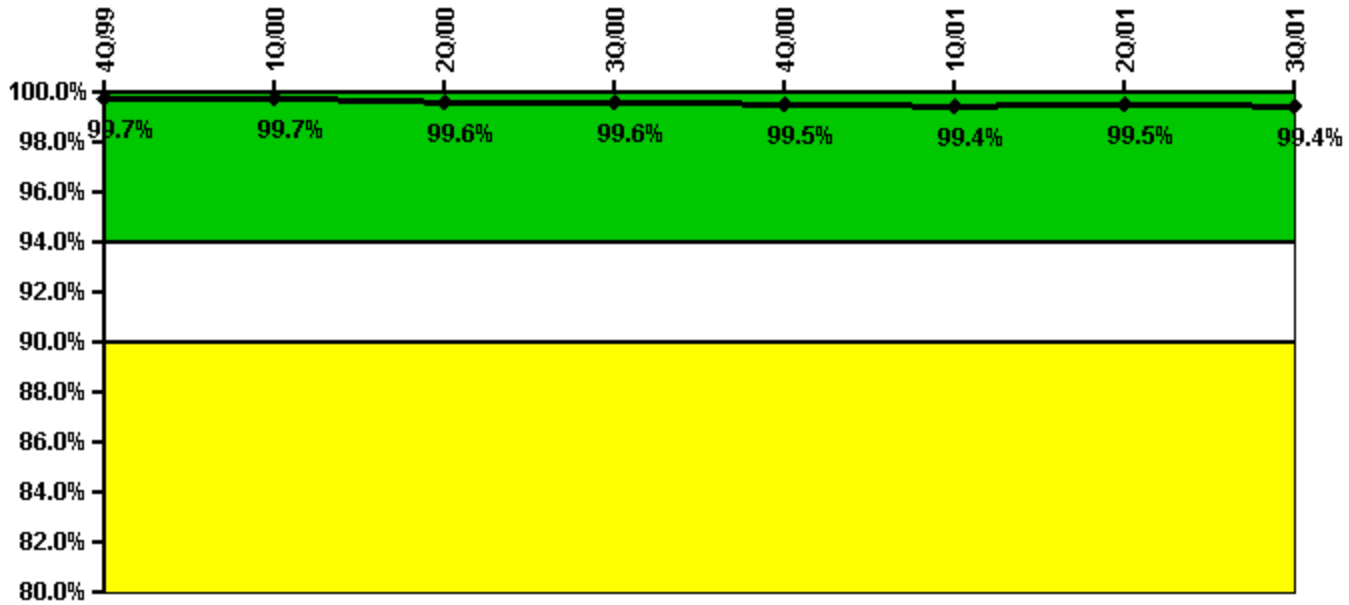
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	62.0	53.0	50.0	55.0	56.0	54.0	56.0	59.0
Total Key personnel	70.0	58.0	60.0	61.0	61.0	60.0	61.0	60.0
Indicator value	88.6%	91.4%	83.3%	90.2%	91.8%	90.0%	91.8%	98.3%

Licensee Comments: none

Alert & Notification System



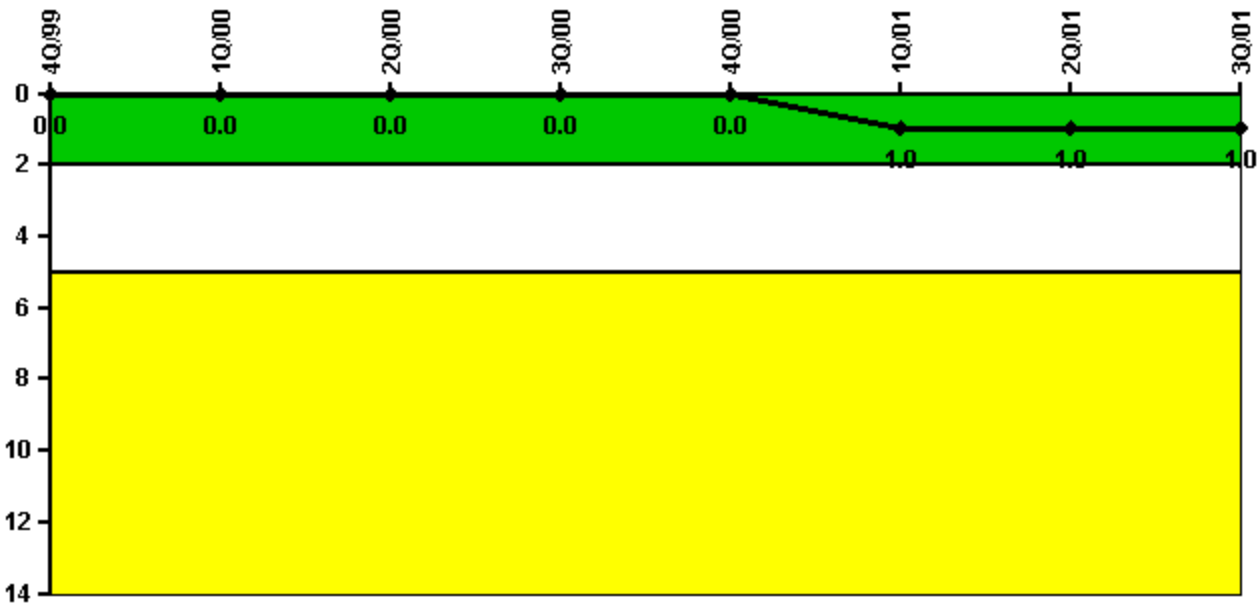
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	1179	912	1040	1175	1044	909	1043	1171
Total sirens-tests	1179	917	1048	1179	1048	917	1048	1179
Indicator value	99.7%	99.7%	99.6%	99.6%	99.5%	99.4%	99.5%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



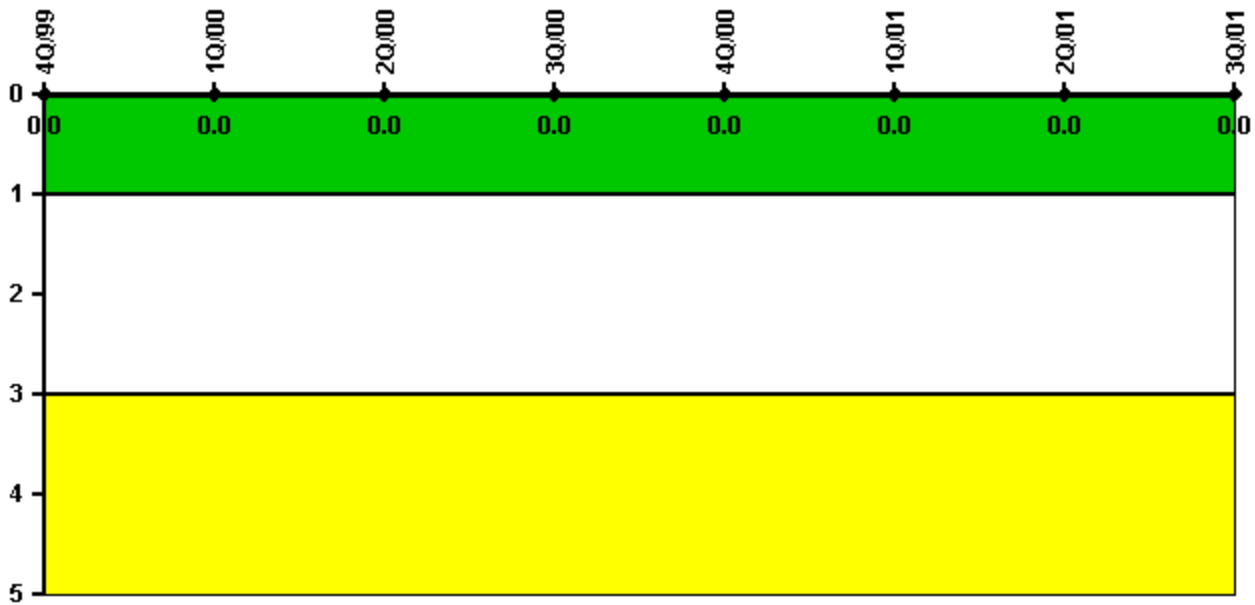
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
High radiation area occurrences	0	0	0	0	0	1	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	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



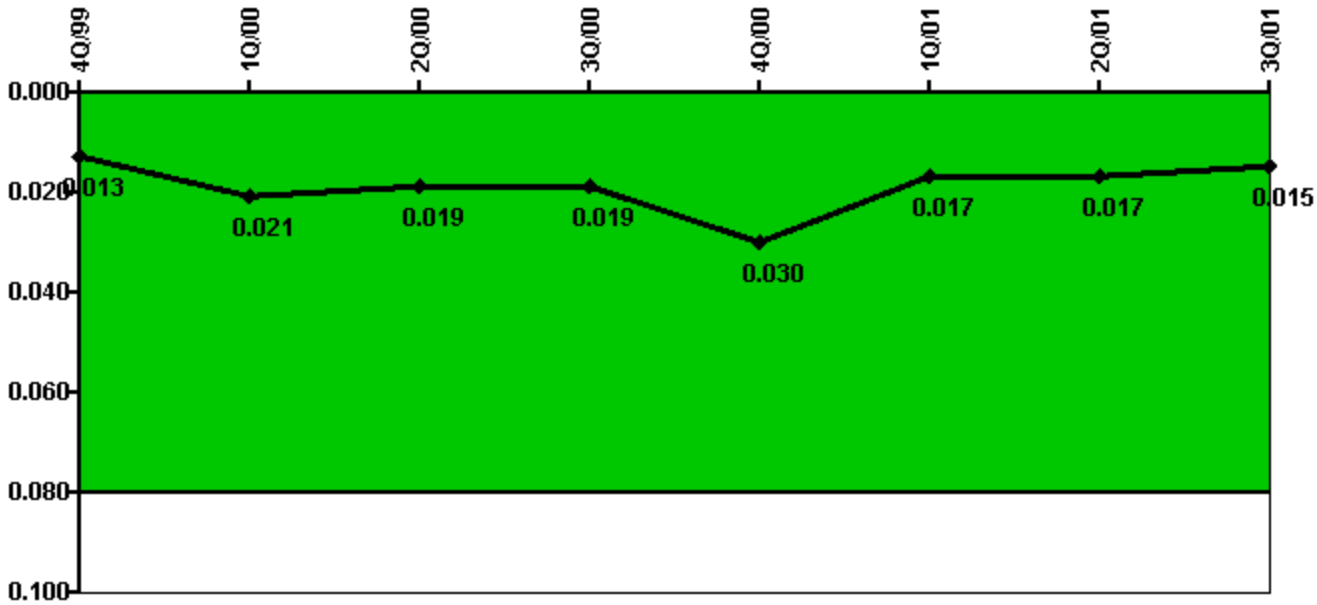
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



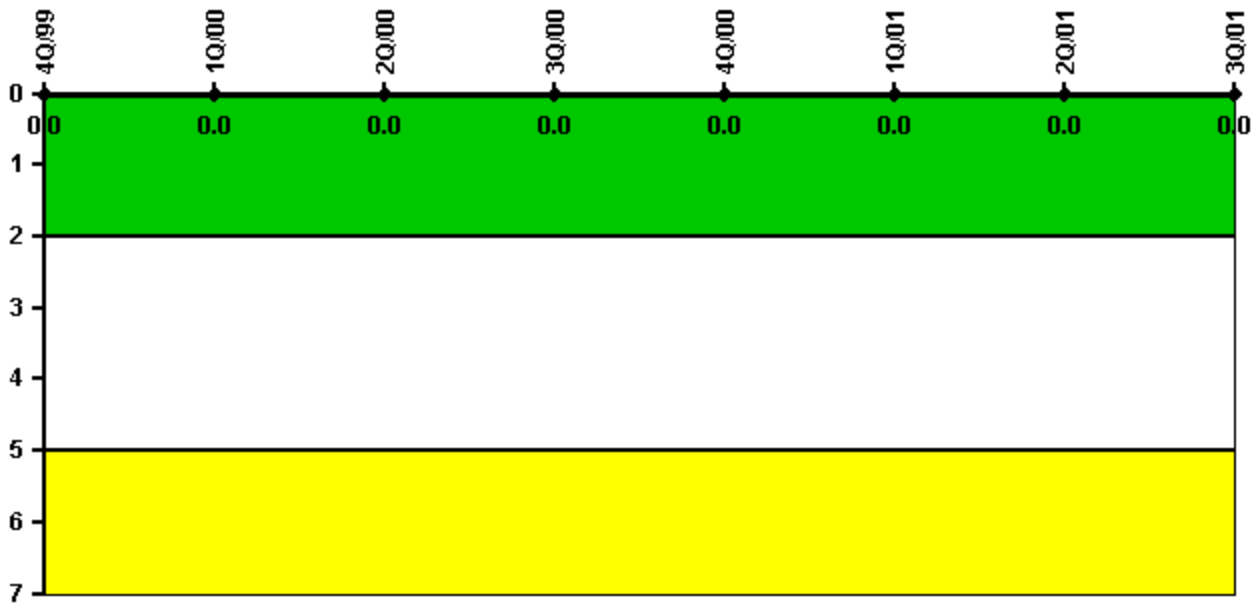
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	67.00	573.00	35.75	51.87	31.37	3.87	15.33	24.48
CCTV compensatory hours	0	0	0	14.9	267.1	22.4	2.6	1.8
IDS normalization factor	2.25	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.013	0.021	0.019	0.019	0.030	0.017	0.017	0.015

Licensee Comments: none

Personnel Screening Program



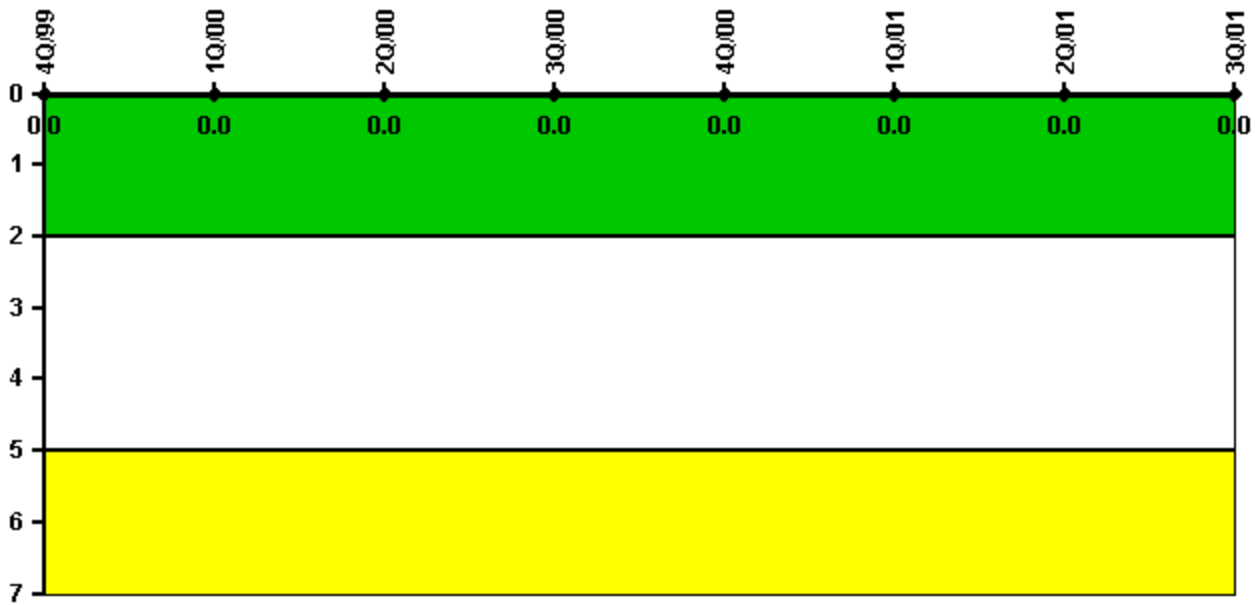
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

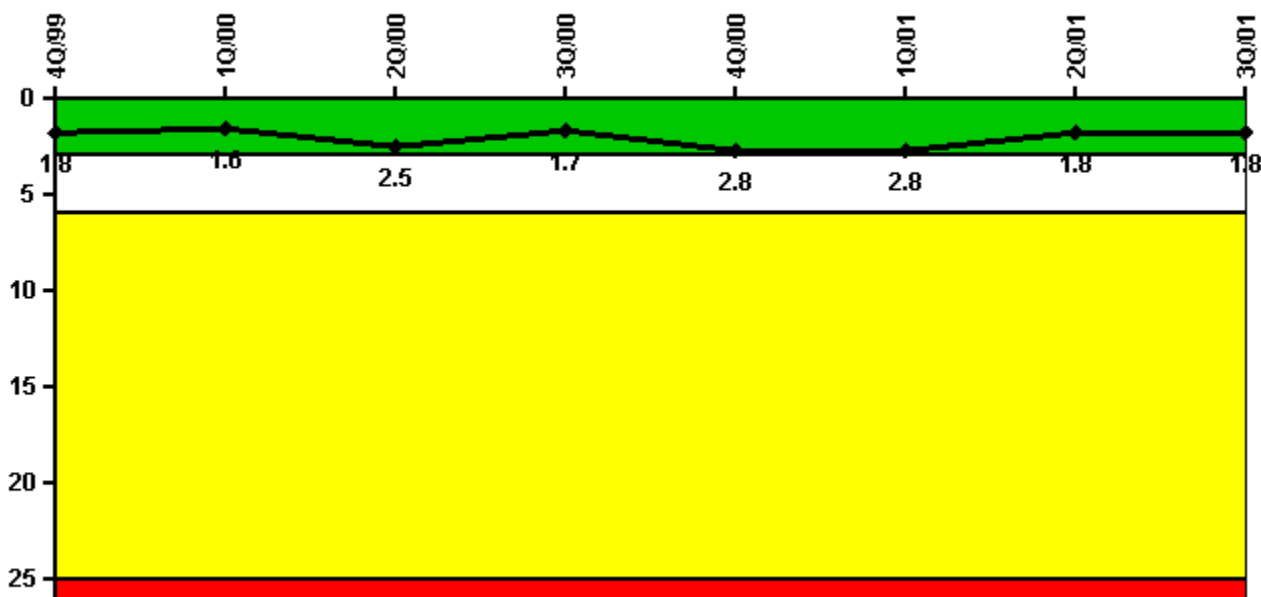
Last Modified: March 26, 2002

Diablo Canyon 1

3Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



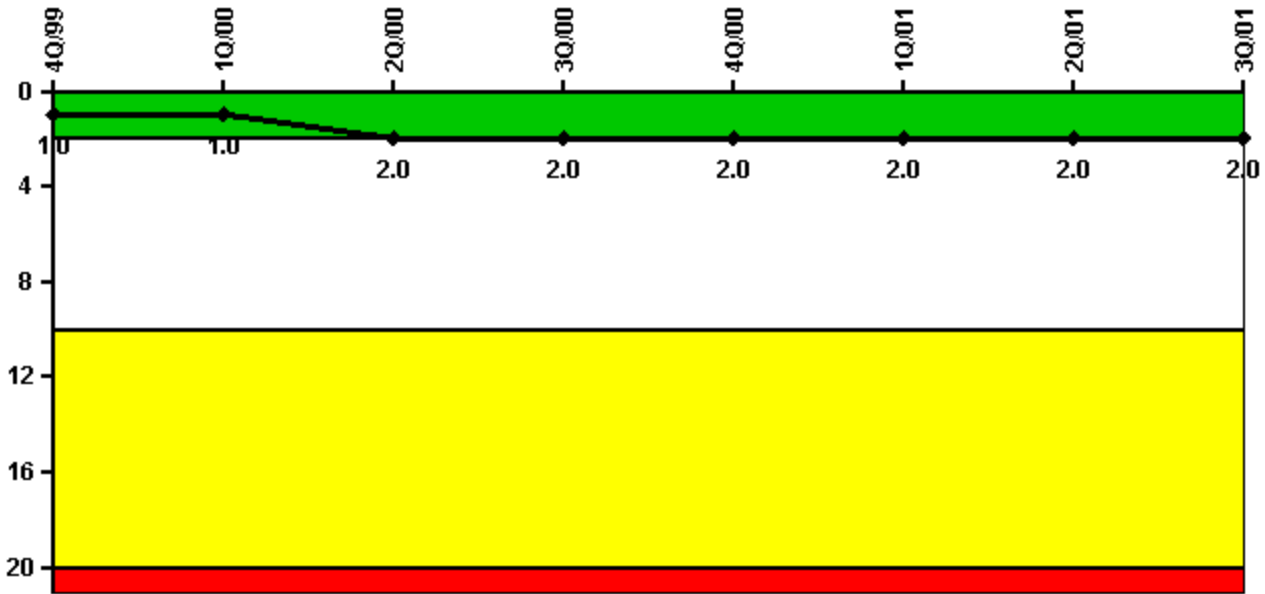
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	1.0	0	1.0	0	2.0	0	0	0
Critical hours	2140.8	2184.0	1906.8	2208.0	1299.8	2160.0	2183.0	2208.0
Indicator value	1.8	1.6	2.5	1.7	2.8	2.8	1.8	1.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



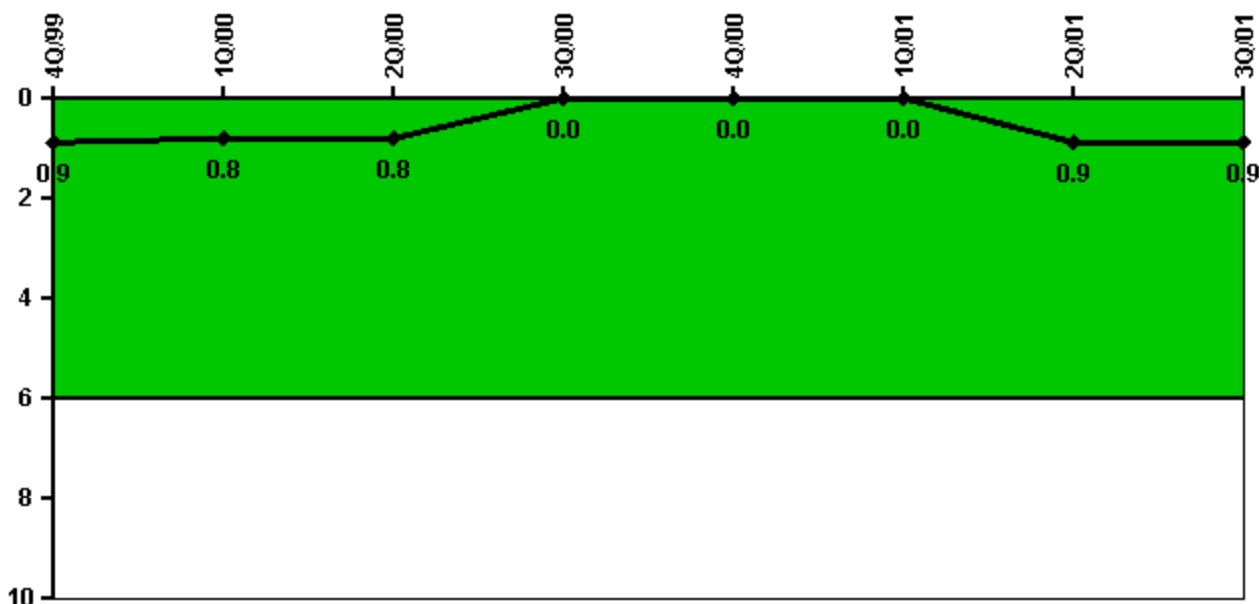
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	1.0	0	1.0	0	0	0	0	0
Indicator value	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



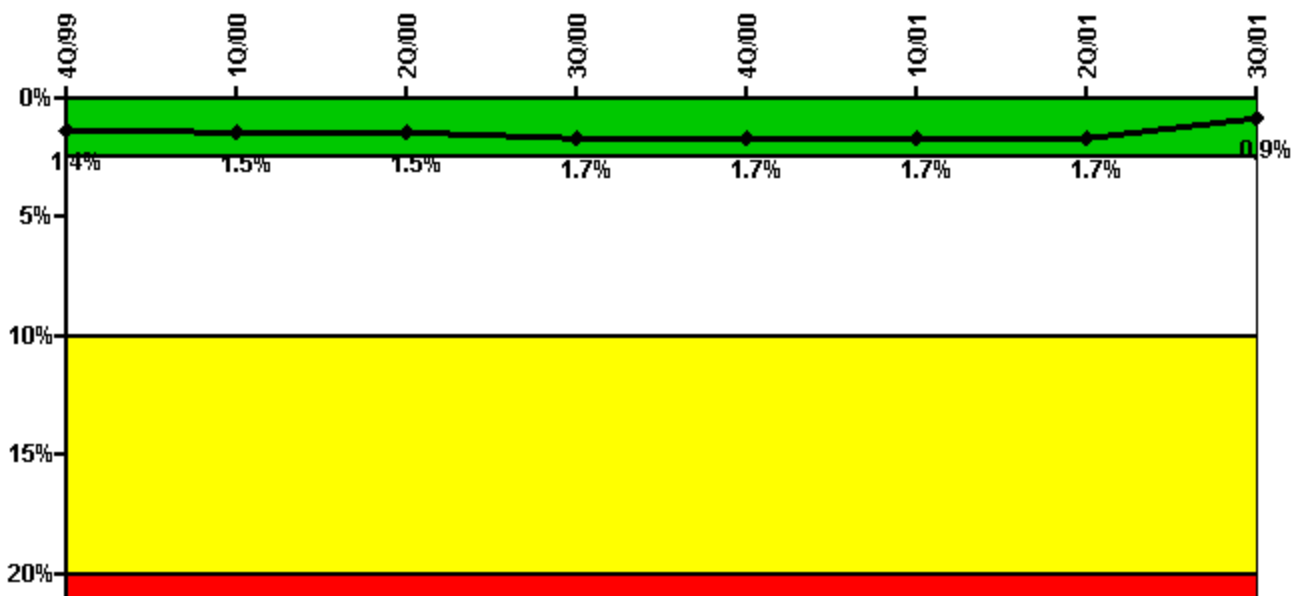
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2140.8	2184.0	1906.8	2208.0	1299.8	2160.0	2183.0	2208.0
Indicator value	0.9	0.8	0.8	0	0	0	0.9	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



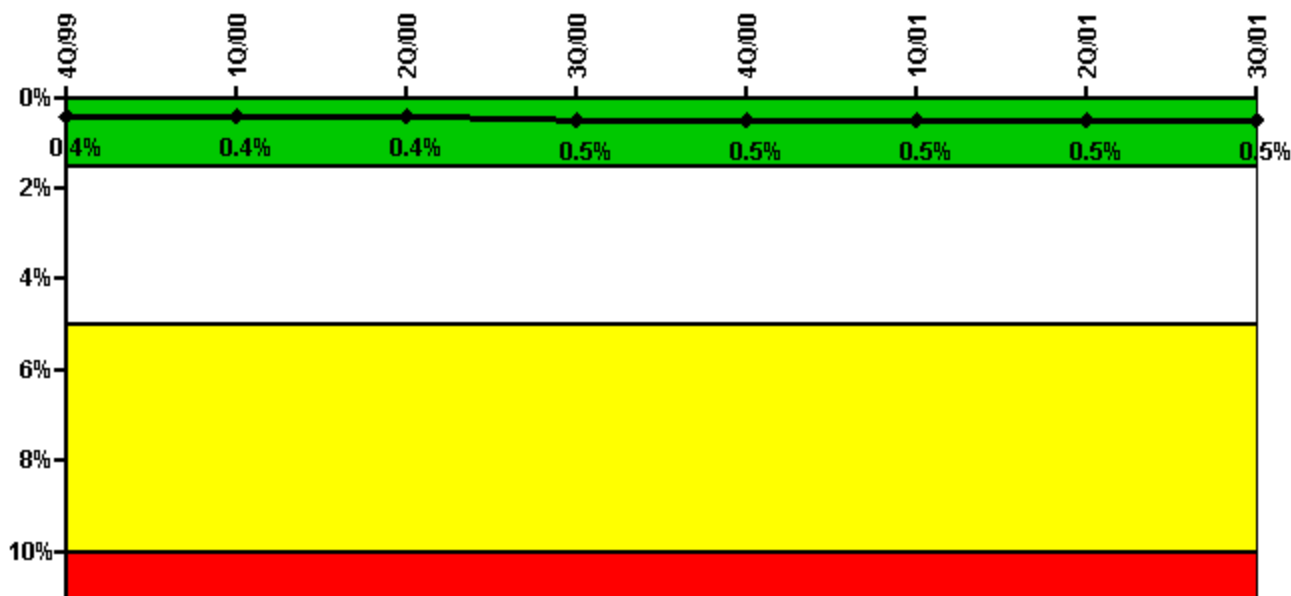
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	1.40	0.17	0.10	67.20	0.10	0.80	2.30	16.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	1.18	51.80	4.50	0.10	0.50	1.40	32.20
Unplanned unavailable hours	0	0	0	4.00	0	50.90	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	1.60	0.10	11.20	50.00	16.00	0.90	26.60	0.10
Unplanned unavailable hours	0	20.50	0	13.90	21.40	14.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.4%	1.5%	1.5%	1.7%	1.7%	1.7%	1.7%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



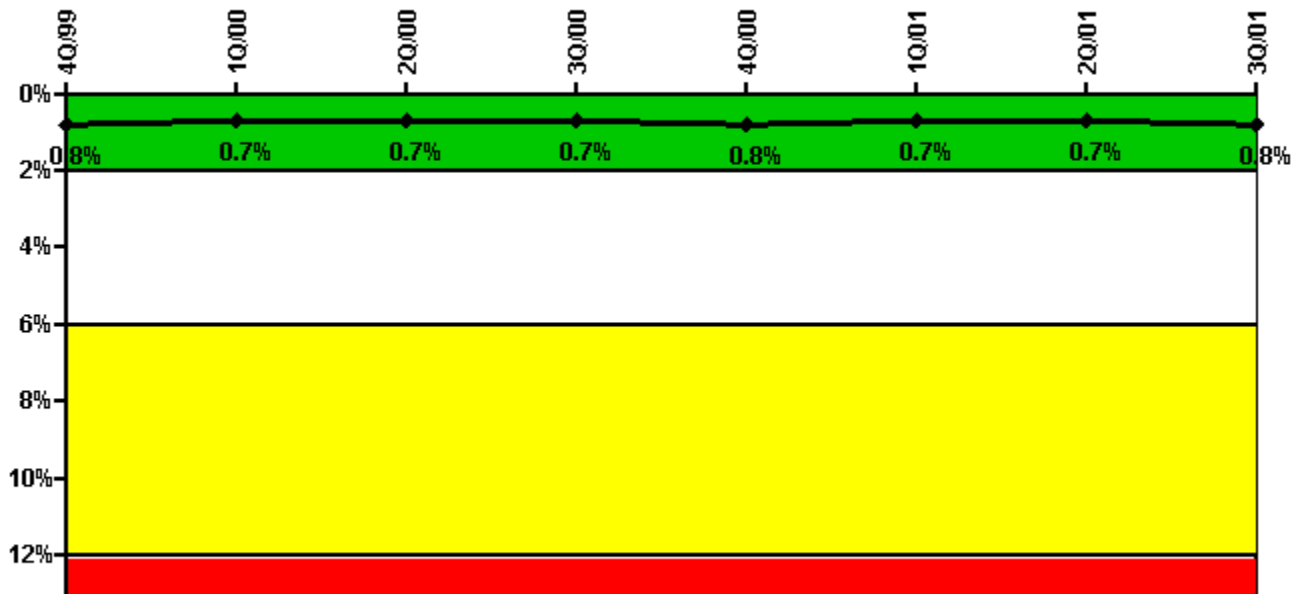
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0	0	44.50	0	4.80	13.40	43.70	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.00	0	0	12.10	6.40	24.90	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0.40	18.92	0.10	13.00	0.30	1.20	9.82	0.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	0.10	1.03	26.20	0.45	11.00	1.20	0.10	12.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Indicator value	0.4%	0.4%	0.4%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

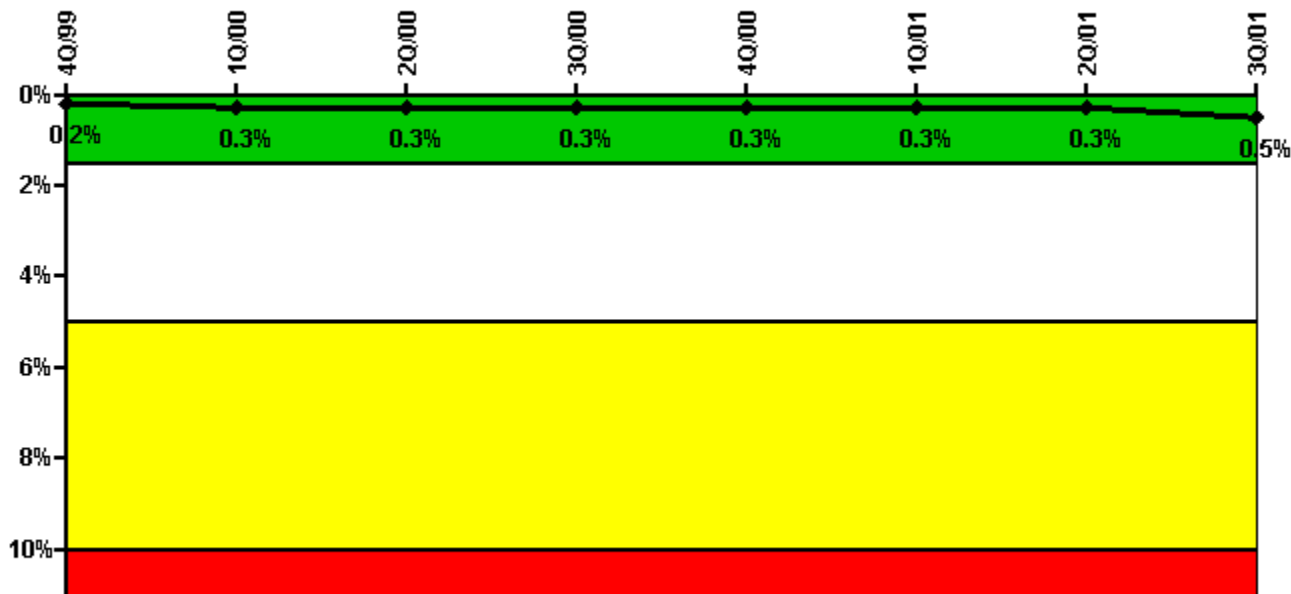
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	7.40	18.10	22.60	36.00	47.50	2.50	19.20	7.60
Unplanned unavailable hours	0	43.15	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.40	12.22	1.10	3.60	18.70	2.40	4.60	32.20
Unplanned unavailable hours	0	0	0	0	35.40	0	0.40	16.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	1.10	1.28	10.40	3.40	0.50	15.40	0	26.30
Unplanned unavailable hours	0	0	0	0	0	0	3.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00
Indicator value	0.8%	0.7%	0.7%	0.7%	0.8%	0.7%	0.7%	0.8%

Licensee Comments:

2Q/01: The number of 2Q01 unavailability hours for Trains 2 and 3 were decreased by 17.3 hours and 7.2 hours, respectively, to reflect a reduction in unavailability time attributed to a line flushing evolution performed during 2Q01. The entire period during which the flushing activities were occurring was erroneously assigned as unavailability hours when, in fact, the actual unavailability time was substantially less. The flushing was required to remove pump suction line impurities attributed to in-leakage from a backup water source. The changes do not affect other quarters or the color of the PI.

Safety System Unavailability, Residual Heat Removal System



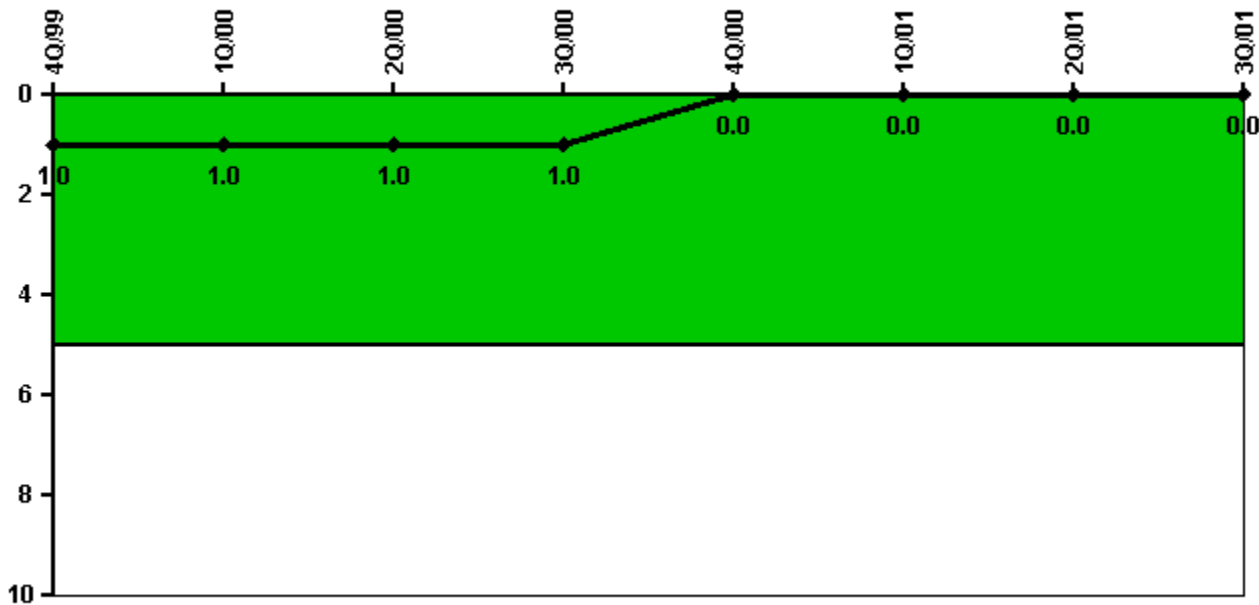
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	2.60	1.08	26.10	0.45	13.10	0.90	0.30	11.60
Unplanned unavailable hours	0	0	0	0	0	0	0	6.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.30	2.77	22.10	0.25	0	10.40	0.60	72.10
Unplanned unavailable hours	0	0	0	0	0	0	0	9.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.80	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



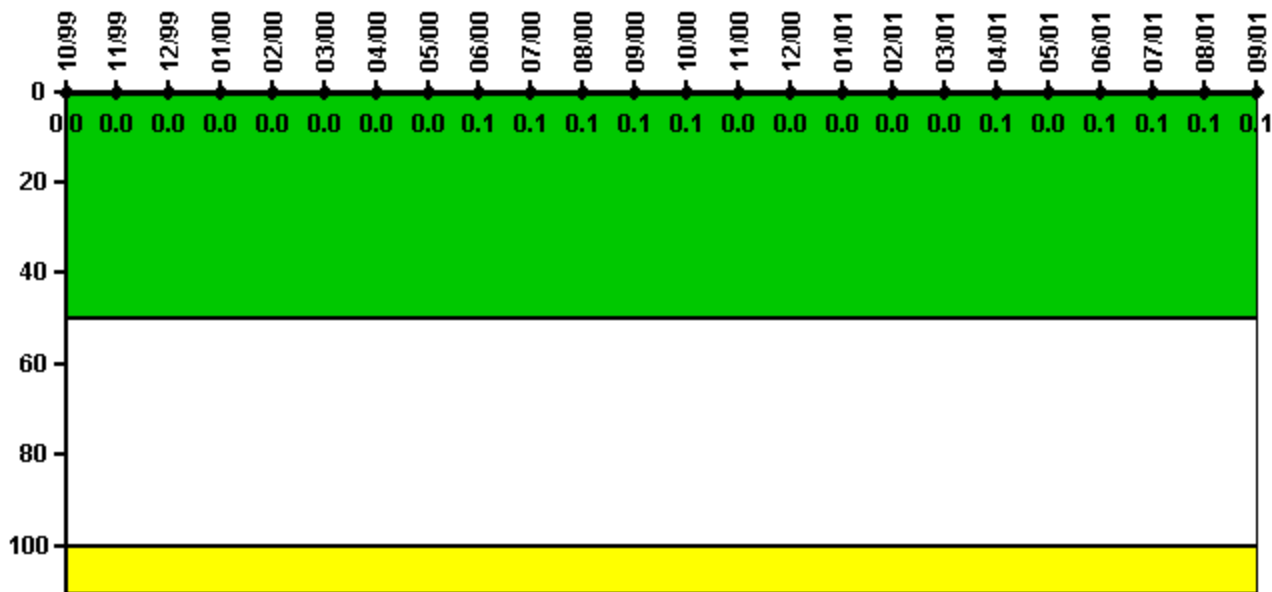
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

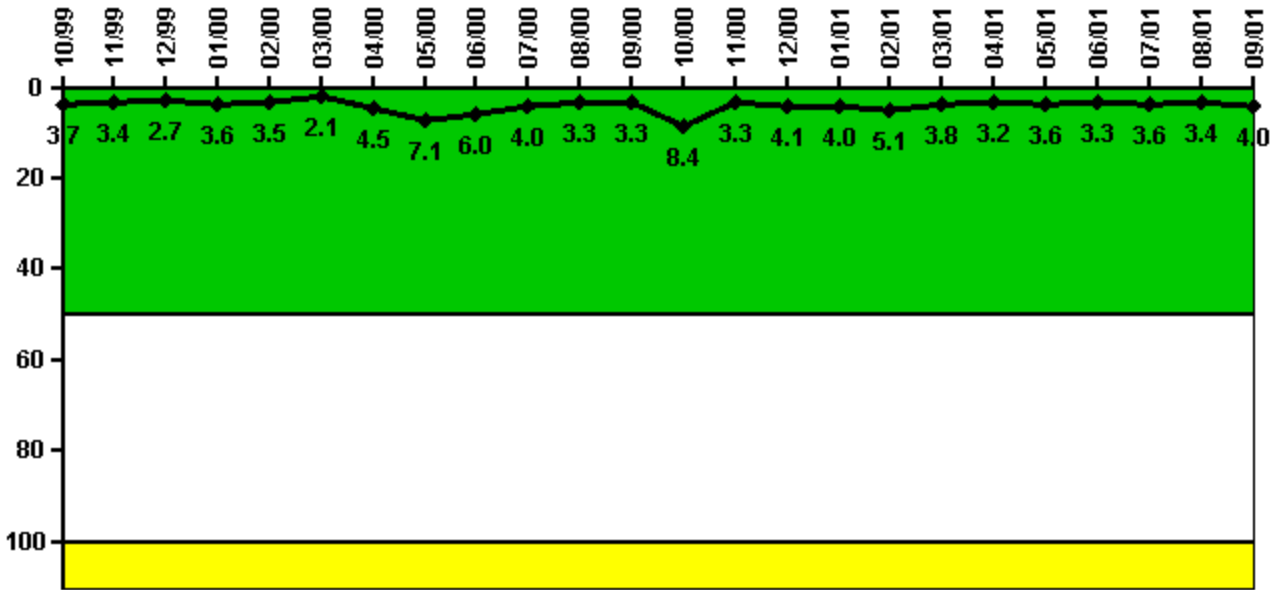
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000412	0.000364	0.000444	0.000424	0.000495	0.000482	0.000408	0.000486	0.000605	0.000567	0.000608	0.000562
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
Indicator value	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000621	0.000222	0.000254	0.000265	0.000285	0.000350	0.000368	0.000340	0.000414	0.000476	0.000631	0.000407
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0	0	0	0	0	0.1	0	0.1	0.1	0.1	0.1

Licensee Comments:

9/01: The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for nonconservatism identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.365	0.340	0.270	0.357	0.349	0.214	0.454	0.705	0.602	0.397	0.332	0.327
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	3.7	3.4	2.7	3.6	3.5	2.1	4.5	7.1	6.0	4.0	3.3	3.3

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.839	0.325	0.405	0.398	0.509	0.379	0.317	0.360	0.327	0.357	0.339	0.395
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	8.4	3.3	4.1	4.0	5.1	3.8	3.2	3.6	3.3	3.6	3.4	4.0

Licensee Comments:

9/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

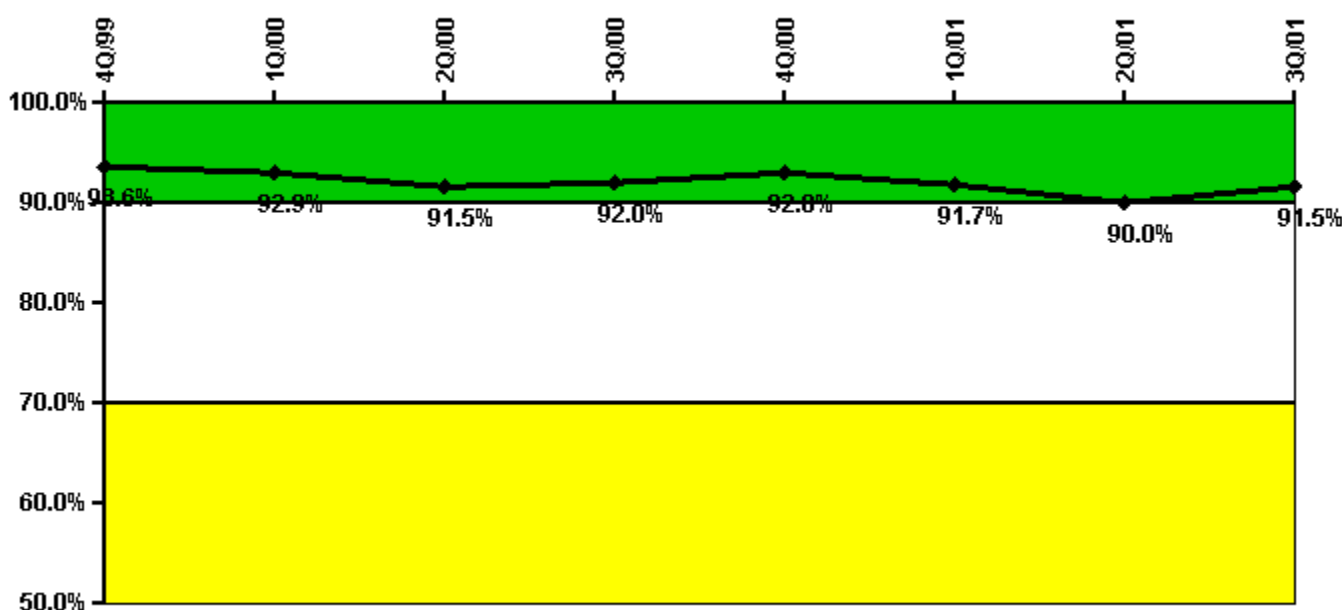
3/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

12/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

9/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

Drill/Exercise Performance



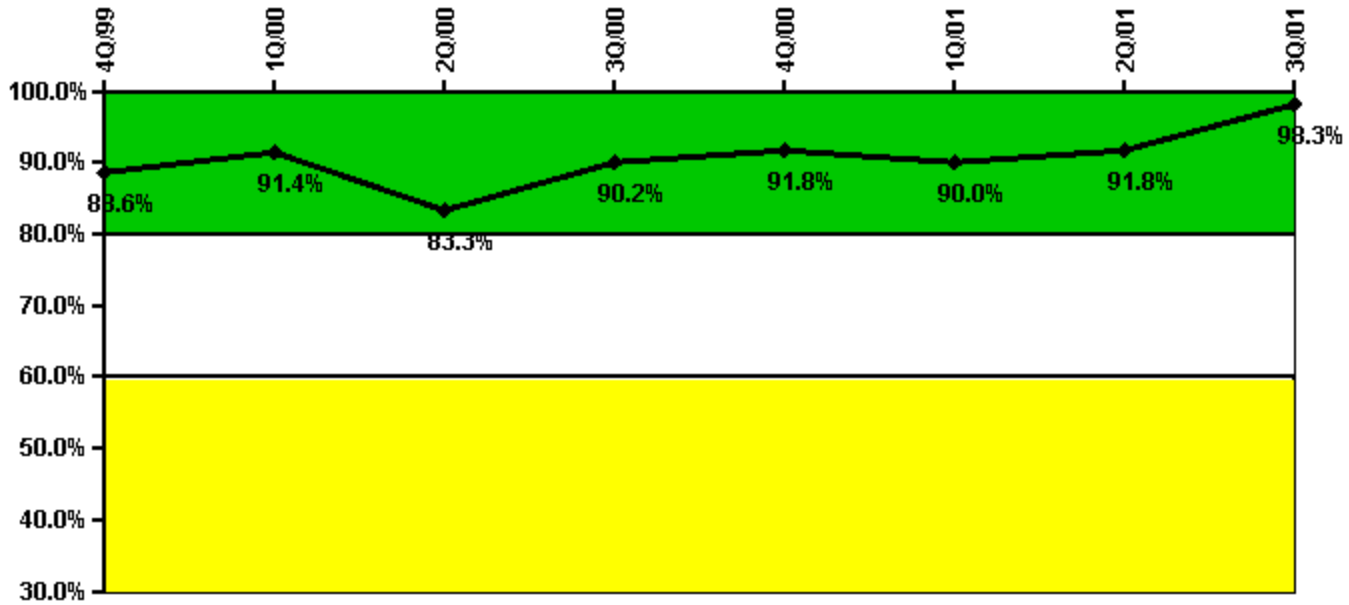
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	10.0	24.0	28.0	21.0	10.0	36.0	21.0	23.0
Total opportunities	10.0	27.0	33.0	23.0	10.0	40.0	23.0	23.0
Indicator value	93.6%	92.9%	91.5%	92.0%	92.8%	91.7%	90.0%	91.5%

Licensee Comments: none

ERO Drill Participation



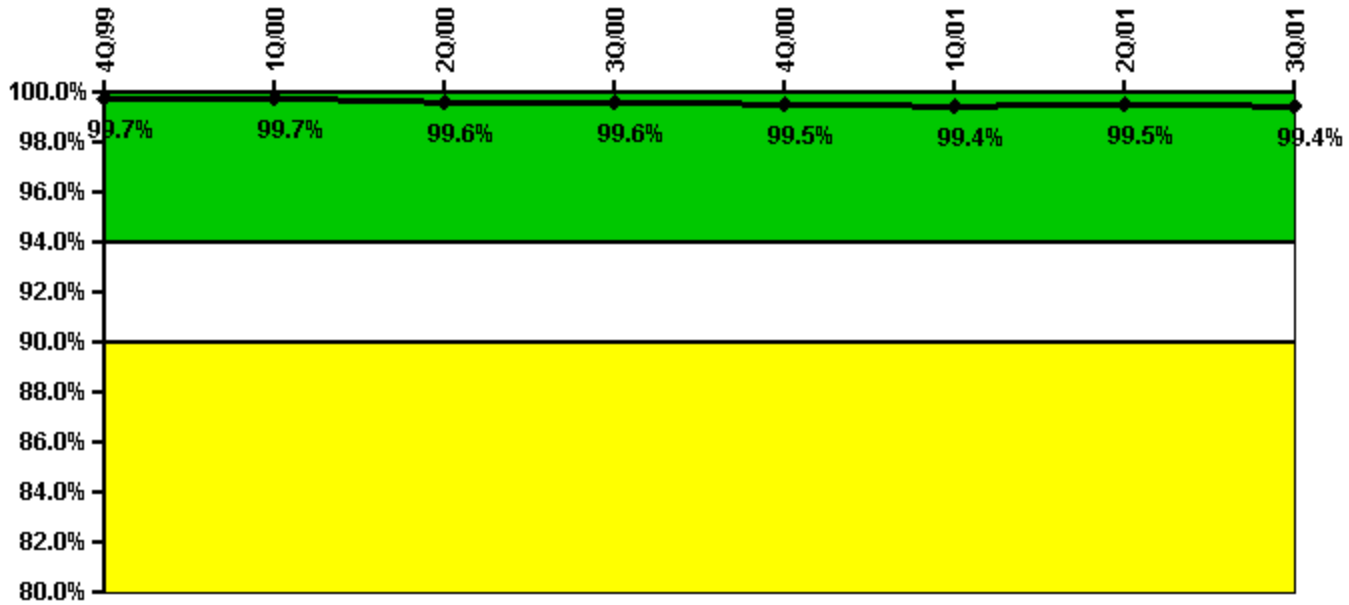
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	62.0	53.0	50.0	55.0	56.0	54.0	56.0	59.0
Total Key personnel	70.0	58.0	60.0	61.0	61.0	60.0	61.0	60.0
Indicator value	88.6%	91.4%	83.3%	90.2%	91.8%	90.0%	91.8%	98.3%

Licensee Comments: none

Alert & Notification System



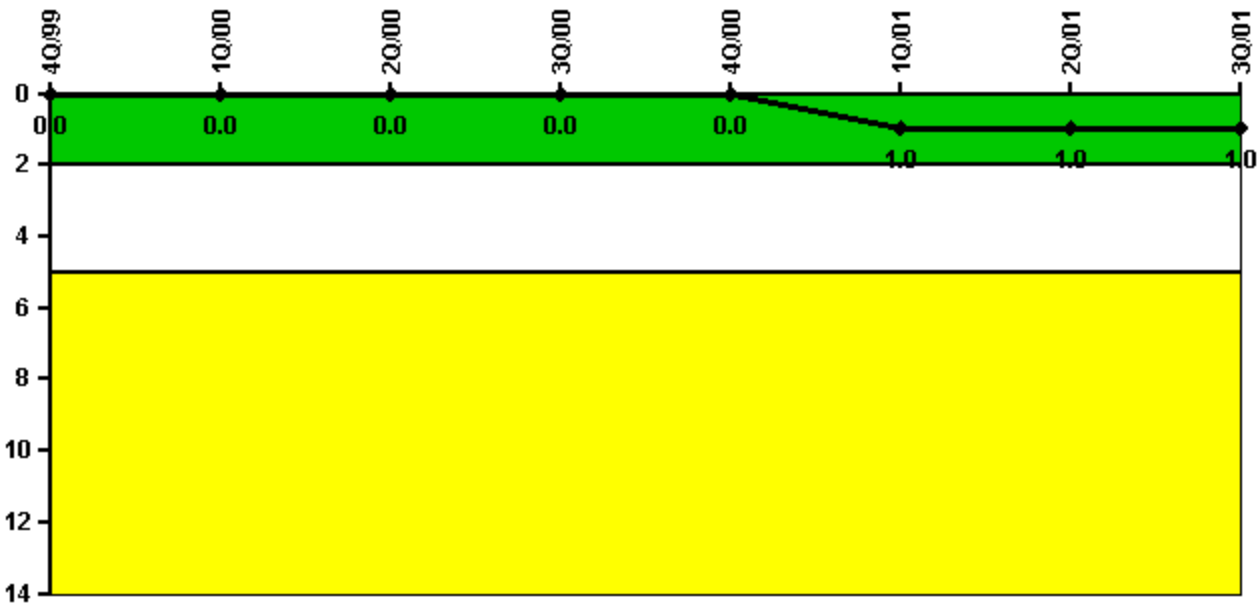
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	1179	912	1040	1175	1044	909	1043	1171
Total sirens-tests	1179	917	1048	1179	1048	917	1048	1179
Indicator value	99.7%	99.7%	99.6%	99.6%	99.5%	99.4%	99.5%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



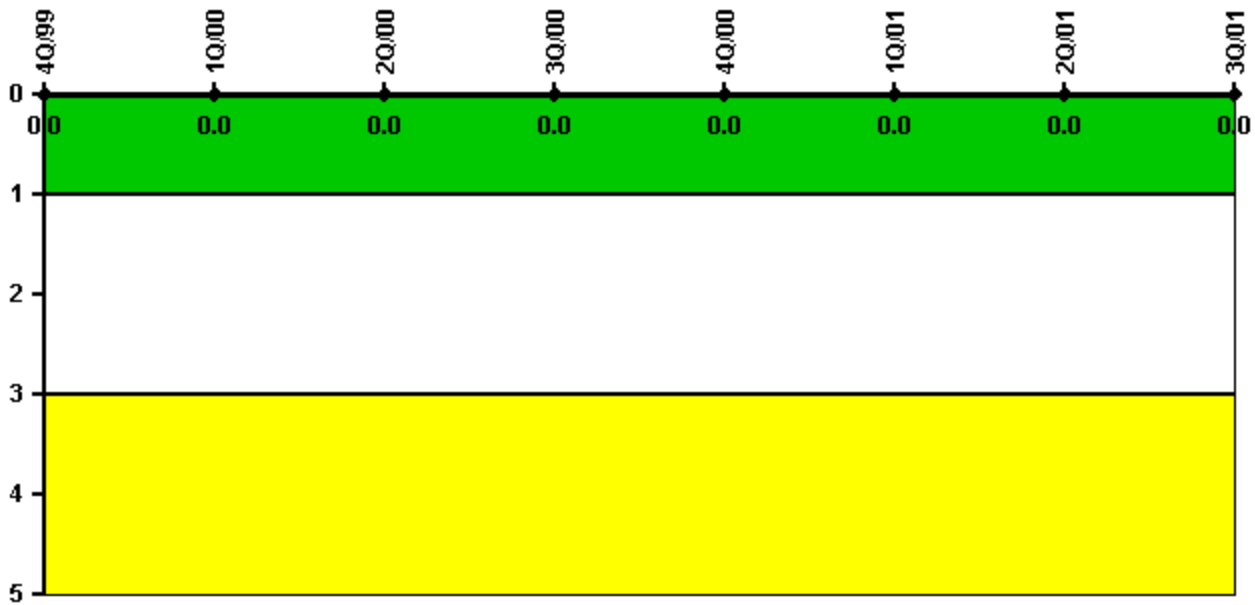
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
High radiation area occurrences	0	0	0	0	0	1	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	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



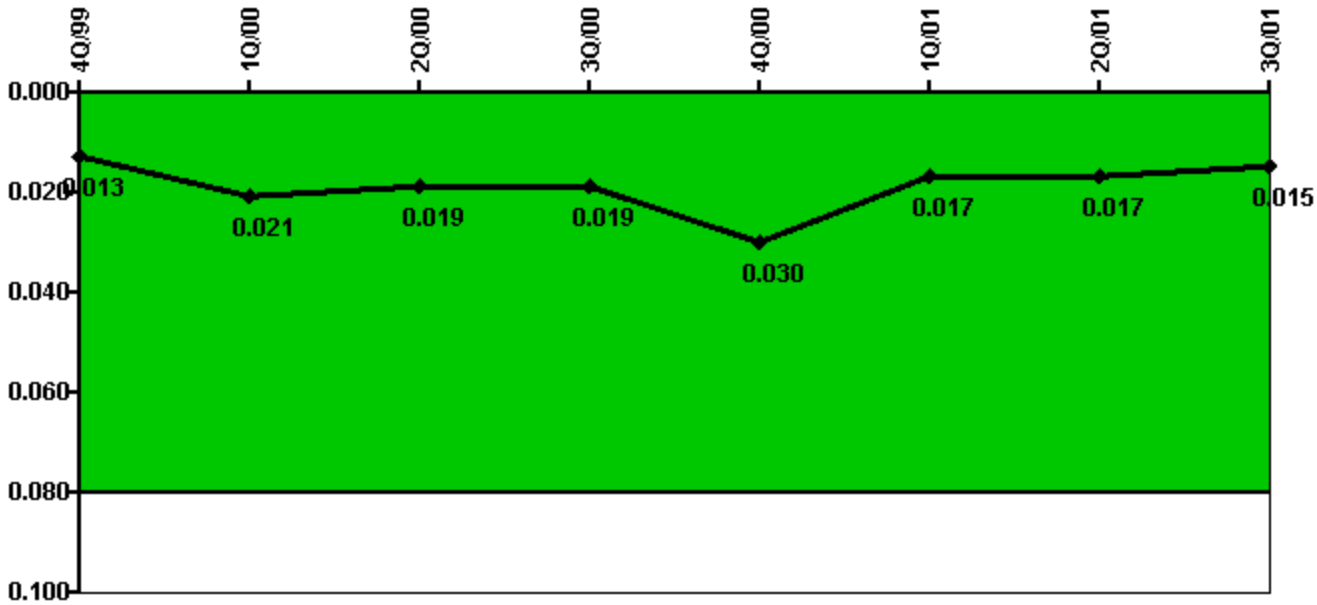
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



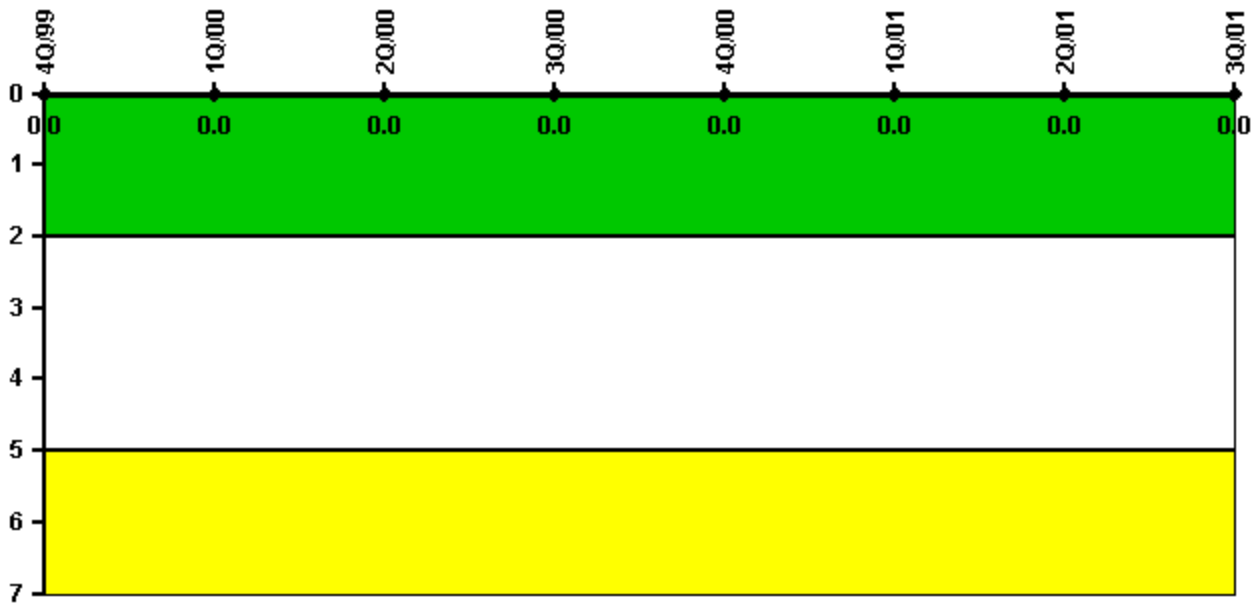
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	67.00	573.00	35.75	51.87	31.37	3.87	15.33	24.48
CCTV compensatory hours	0	0	0	14.9	267.1	22.4	2.6	1.8
IDS normalization factor	2.25	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.013	0.021	0.019	0.019	0.030	0.017	0.017	0.015

Licensee Comments: none

Personnel Screening Program



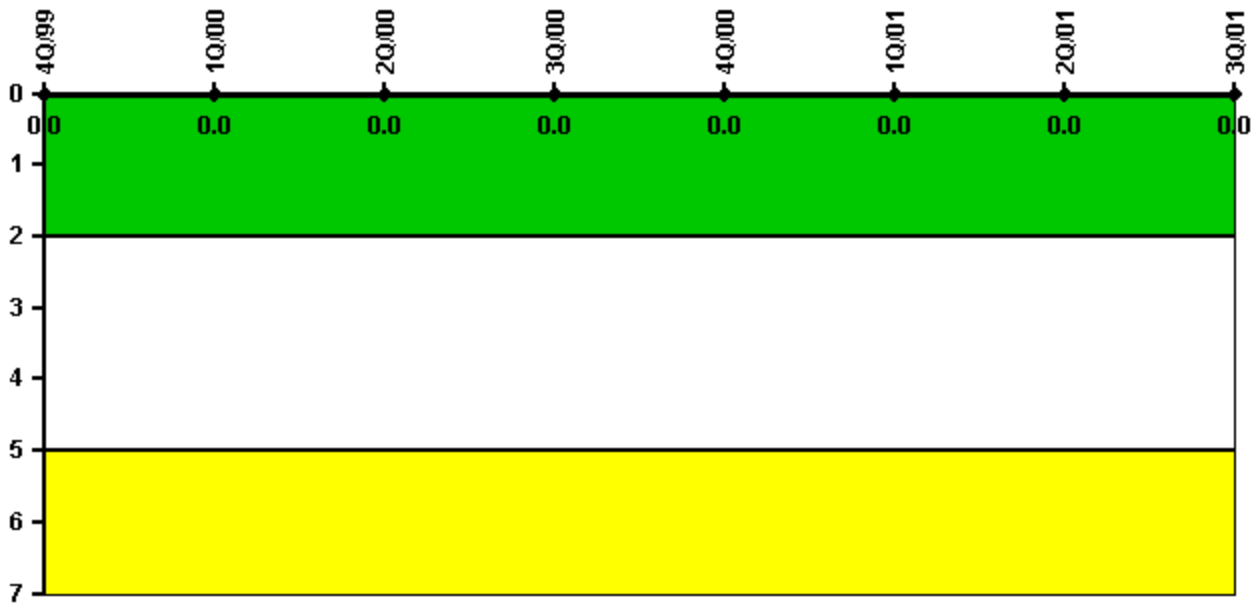
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

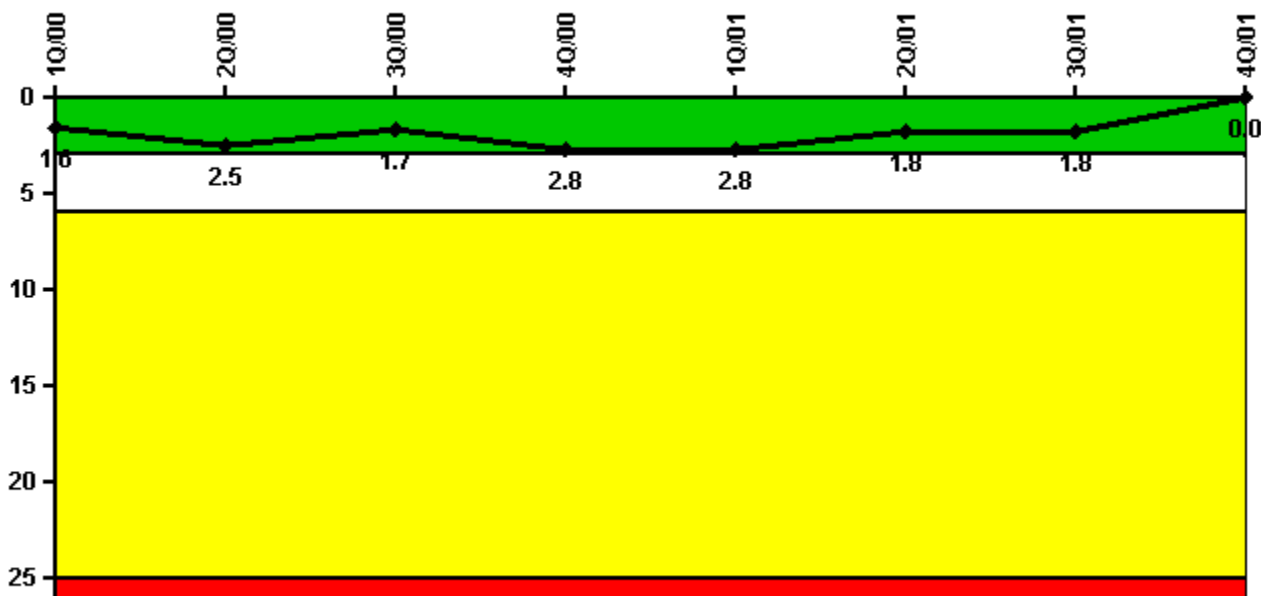
Last Modified: March 26, 2002

Diablo Canyon 1

4Q/2001 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/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	1.0	0	2.0	0	0	0	0
Critical hours	2184.0	1906.8	2208.0	1299.8	2160.0	2183.0	2208.0	2209.0
Indicator value	1.6	2.5	1.7	2.8	2.8	1.8	1.8	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



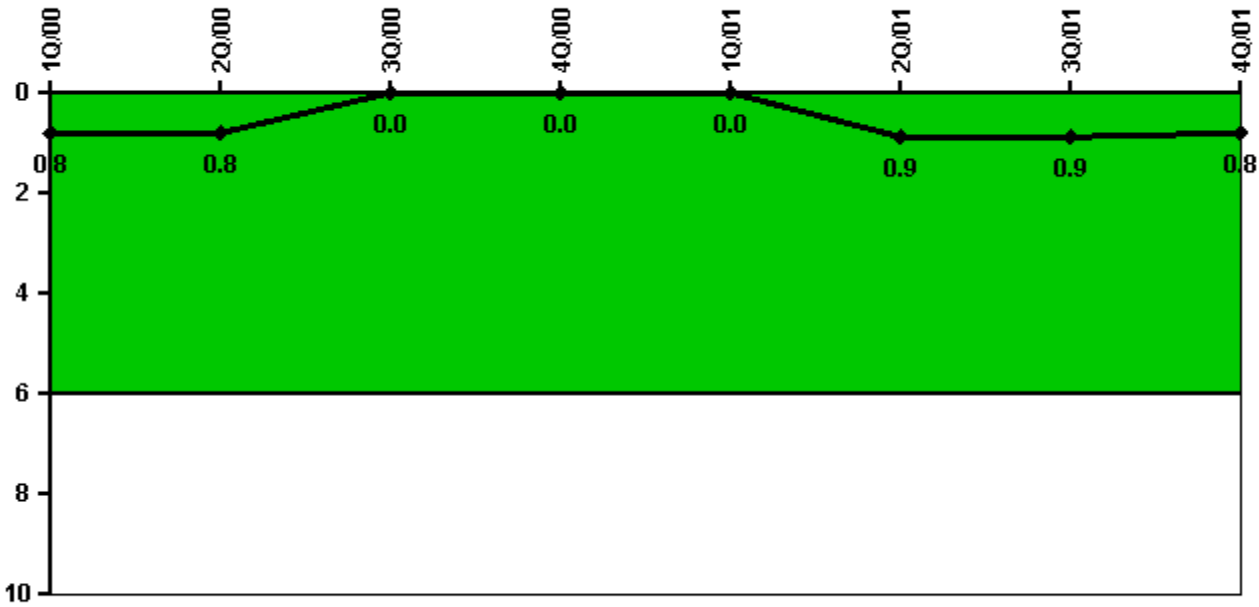
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



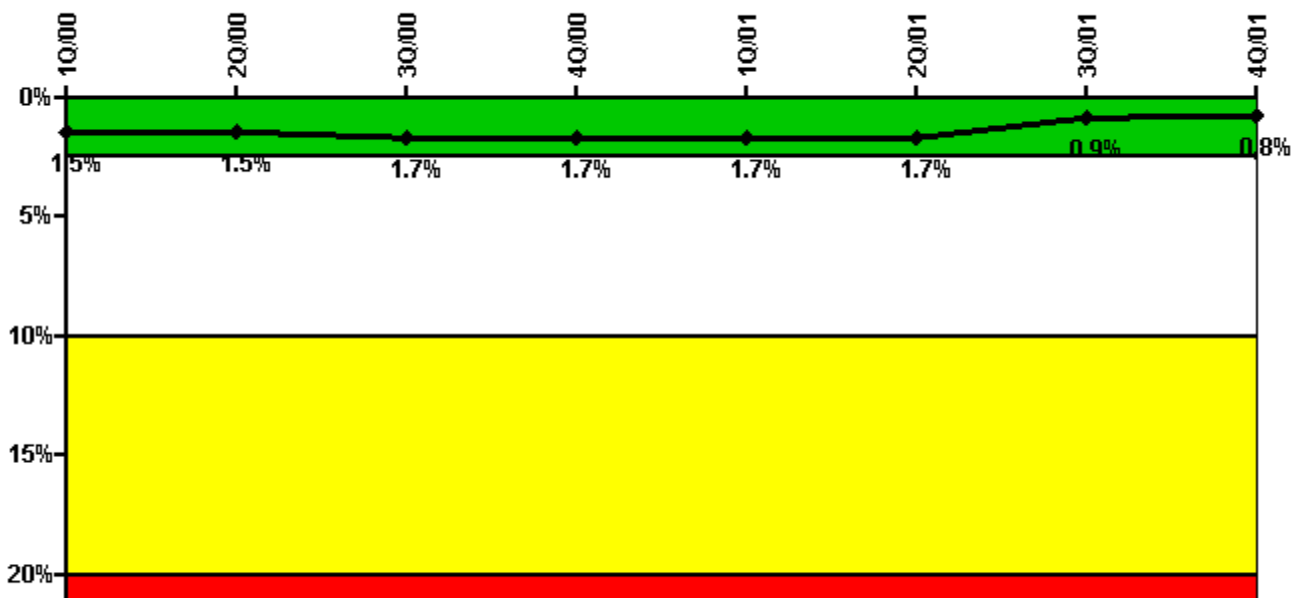
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	1906.8	2208.0	1299.8	2160.0	2183.0	2208.0	2209.0
Indicator value	0.8	0.8	0	0	0	0.9	0.9	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



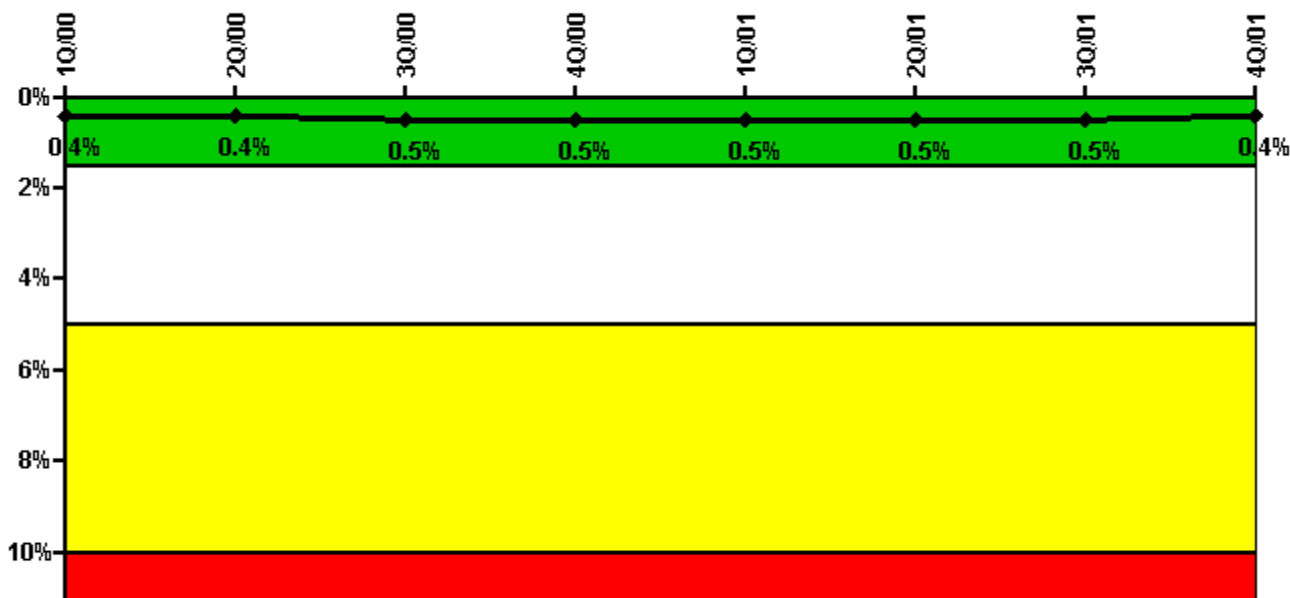
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0.17	0.10	67.20	0.10	0.80	2.30	16.90	0.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.18	51.80	4.50	0.10	0.50	1.40	32.20	0.10
Unplanned unavailable hours	0	0	4.00	0	50.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	0.10	11.20	50.00	16.00	0.90	26.60	0.10	0.20
Unplanned unavailable hours	20.50	0	13.90	21.40	14.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.5%	1.5%	1.7%	1.7%	1.7%	1.7%	0.9%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



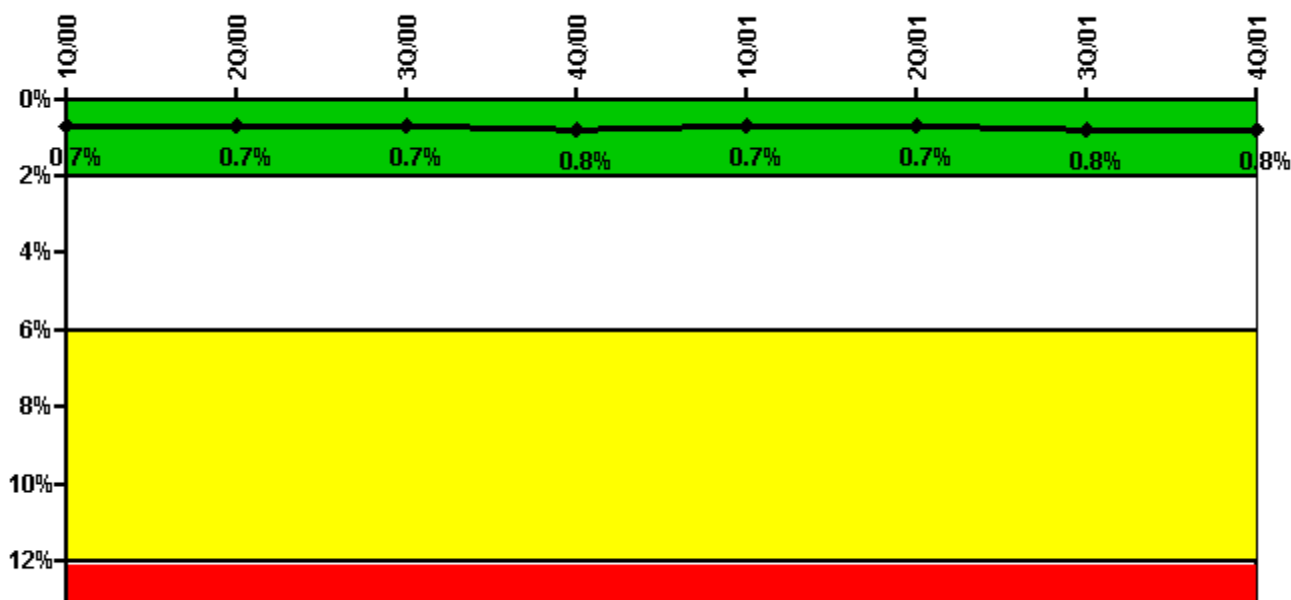
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0	44.50	0	4.80	13.40	43.70	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	12.10	6.40	24.90	0	0	18.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	18.92	0.10	13.00	0.30	1.20	9.82	0.10	0.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	1.03	26.20	0.45	11.00	1.20	0.10	12.00	0.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00
Indicator value	0.4%	0.4%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



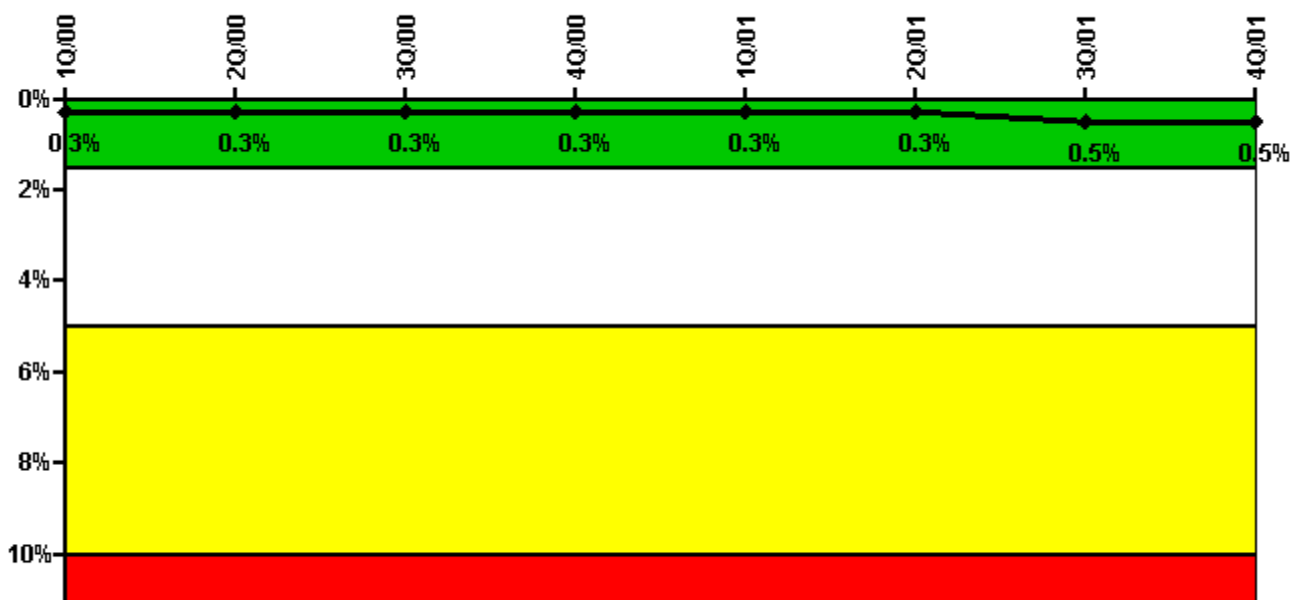
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	18.10	22.60	36.00	47.50	2.50	19.20	7.60	18.50
Unplanned unavailable hours	43.15	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	12.22	1.10	3.60	18.70	2.40	4.60	32.20	1.30
Unplanned unavailable hours	0	0	0	35.40	0	0.40	16.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	1.28	10.40	3.40	0.50	15.40	0	26.30	1.20
Unplanned unavailable hours	0	0	0	0	0	3.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00
Indicator value	0.7%	0.7%	0.7%	0.8%	0.7%	0.7%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



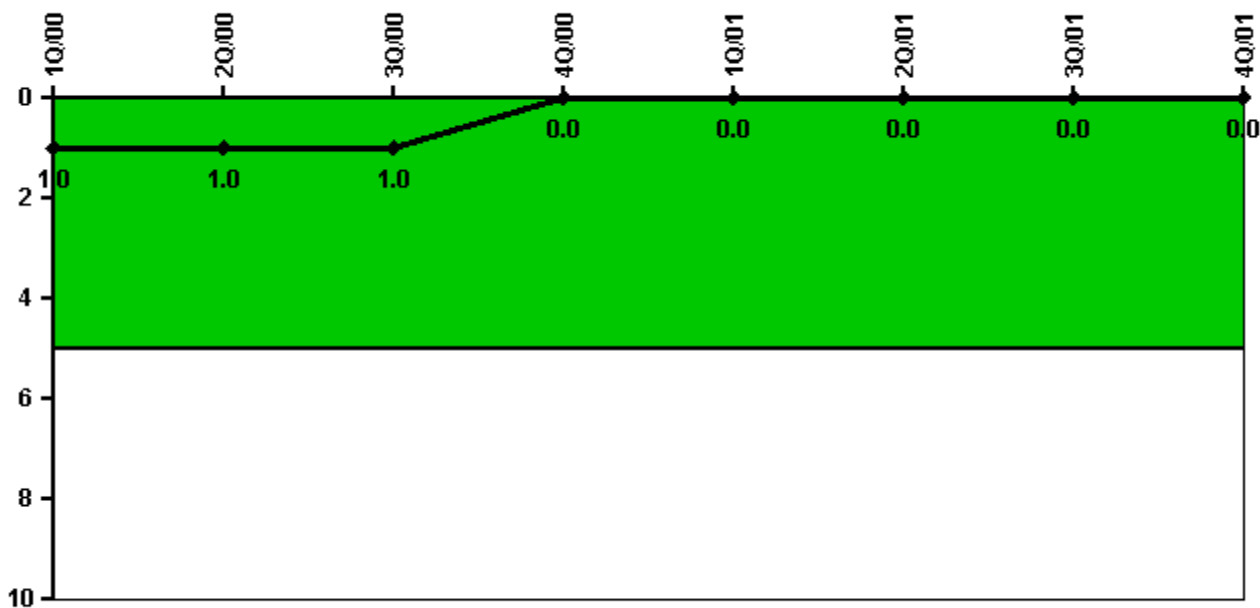
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	1.08	26.10	0.45	13.10	0.90	0.30	11.60	0.90
Unplanned unavailable hours	0	0	0	0	0	0	6.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	2.77	22.10	0.25	0	10.40	0.60	72.10	22.20
Unplanned unavailable hours	0	0	0	0	0	0	9.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



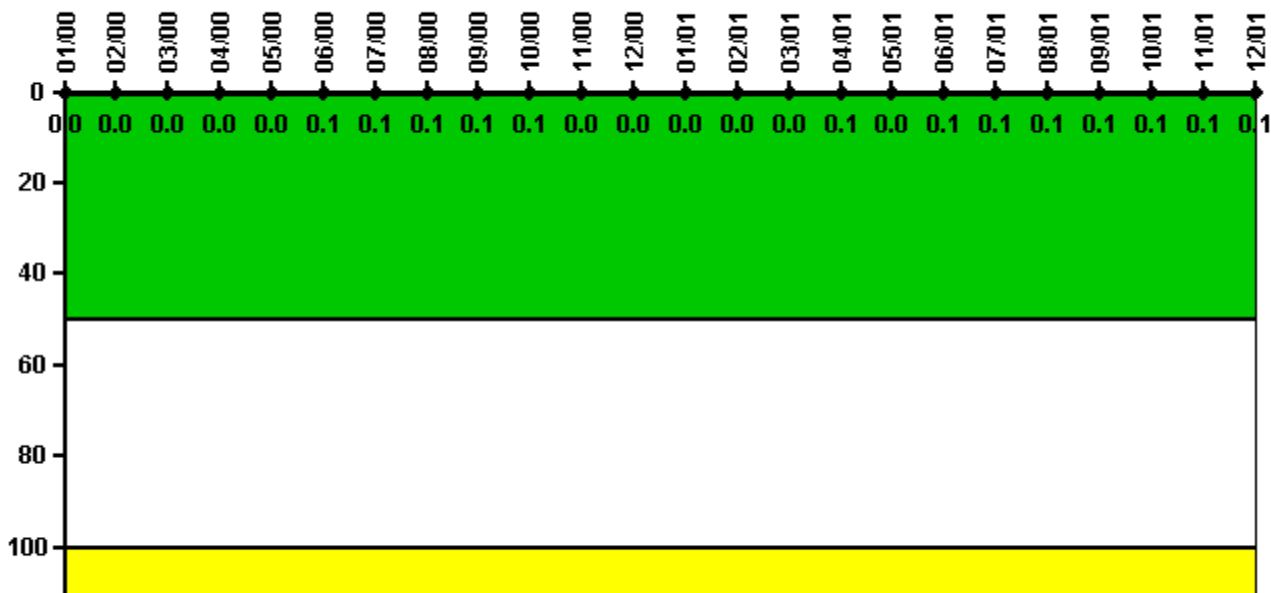
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	1	1	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

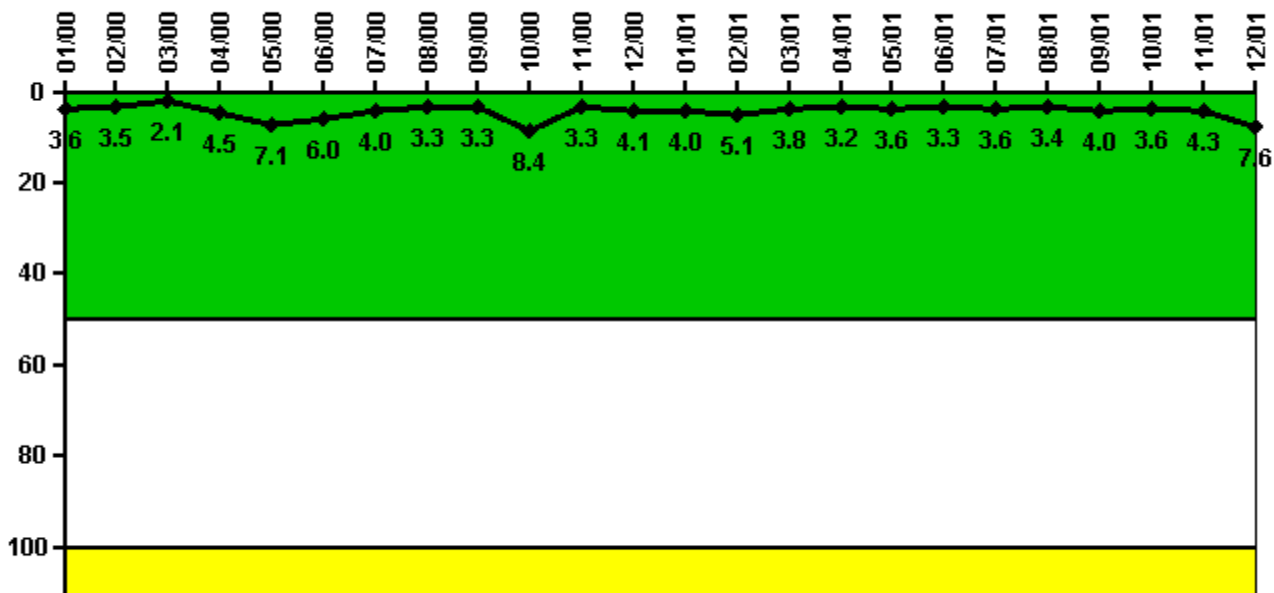
Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000424	0.000495	0.000482	0.000408	0.000486	0.000605	0.000567	0.000608	0.000562	0.000621	0.000222	0.000254
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000265	0.000285	0.000350	0.000368	0.000340	0.000414	0.000476	0.000631	0.000407	0.000374	0.000445	0.000424
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments:

12/01: The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for non-conservatism identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.357	0.349	0.214	0.454	0.705	0.602	0.397	0.332	0.327	0.839	0.325	0.405
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	3.6	3.5	2.1	4.5	7.1	6.0	4.0	3.3	3.3	8.4	3.3	4.1

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0.398	0.509	0.379	0.317	0.360	0.327	0.357	0.339	0.395	0.364	0.432	0.755
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	4.0	5.1	3.8	3.2	3.6	3.3	3.6	3.4	4.0	3.6	4.3	7.6

Licensee Comments:

9/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/01: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

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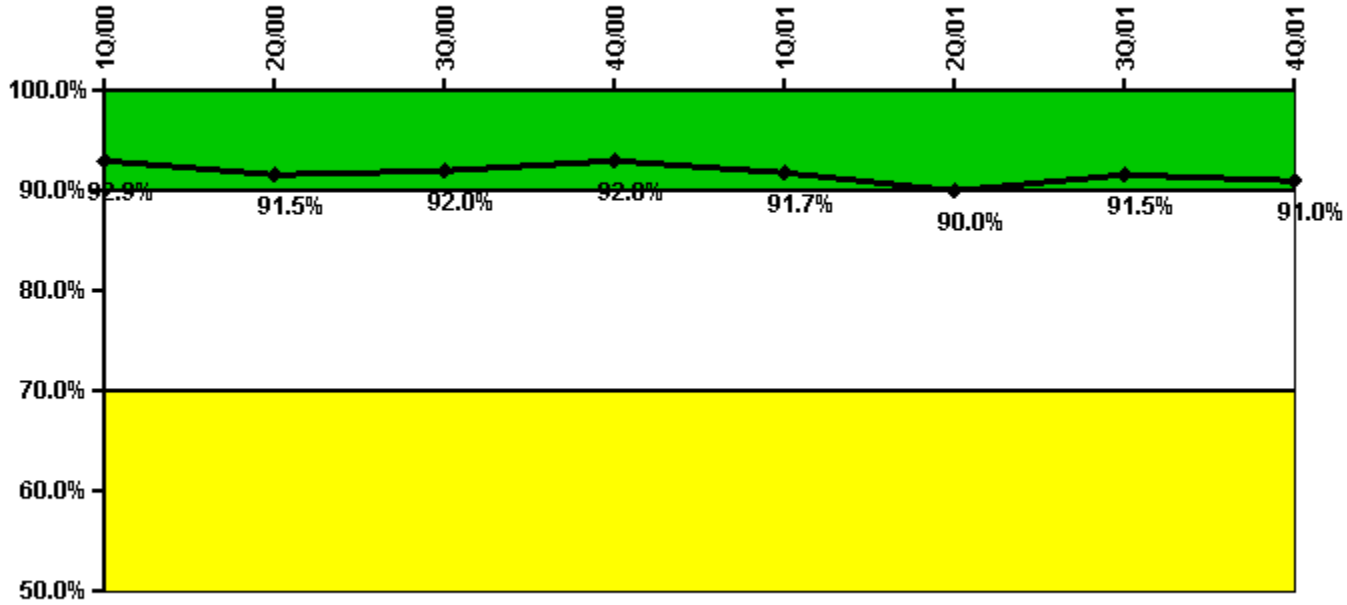
12/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

9/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

6/00: Each RCS leakage flow rate value has been increased by 0.035 gpm to account for zinc acetate flow that is periodically injected into the RCS for corrosion control purposes. This flow rate was inadvertently excluded from the PI calculation methodology. This change affects all data

submittals for this PI and is therefore being incorporated into each PI data submittal since the start of the ROP in April 2000. The change did not result in a color change for this PI for any quarter.

Drill/Exercise Performance



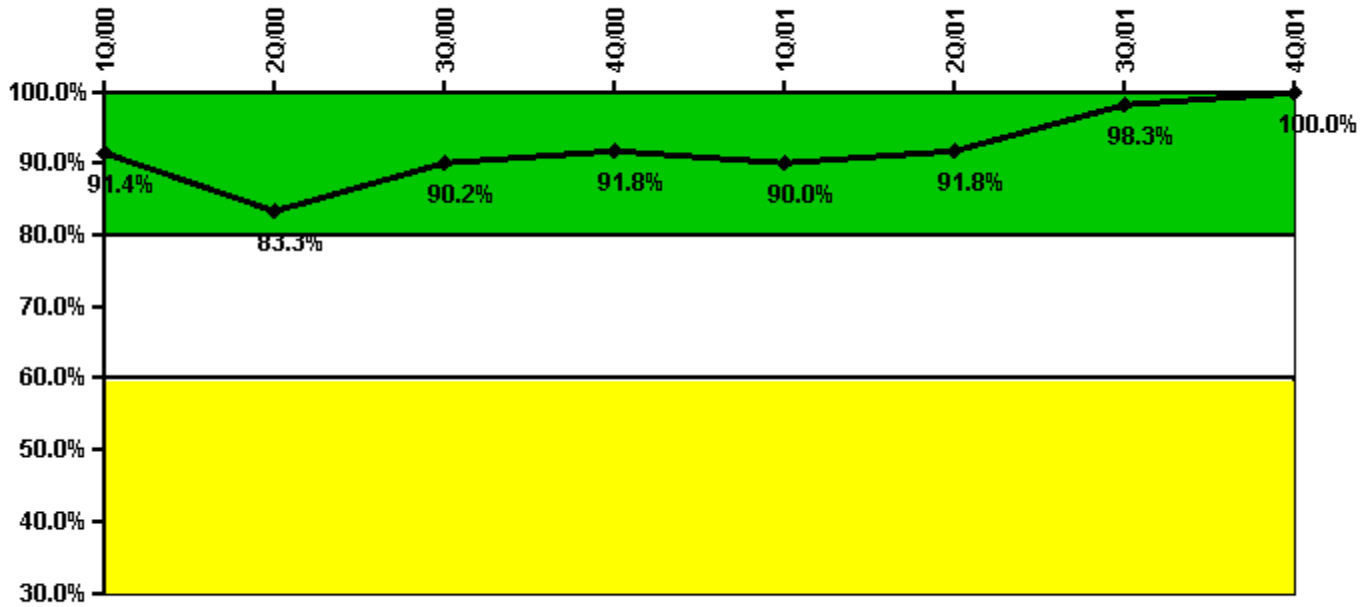
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	24.0	28.0	21.0	10.0	36.0	21.0	23.0	9.0
Total opportunities	27.0	33.0	23.0	10.0	40.0	23.0	23.0	10.0
Indicator value	92.9%	91.5%	92.0%	92.8%	91.7%	90.0%	91.5%	91.0%

Licensee Comments: none

ERO Drill Participation



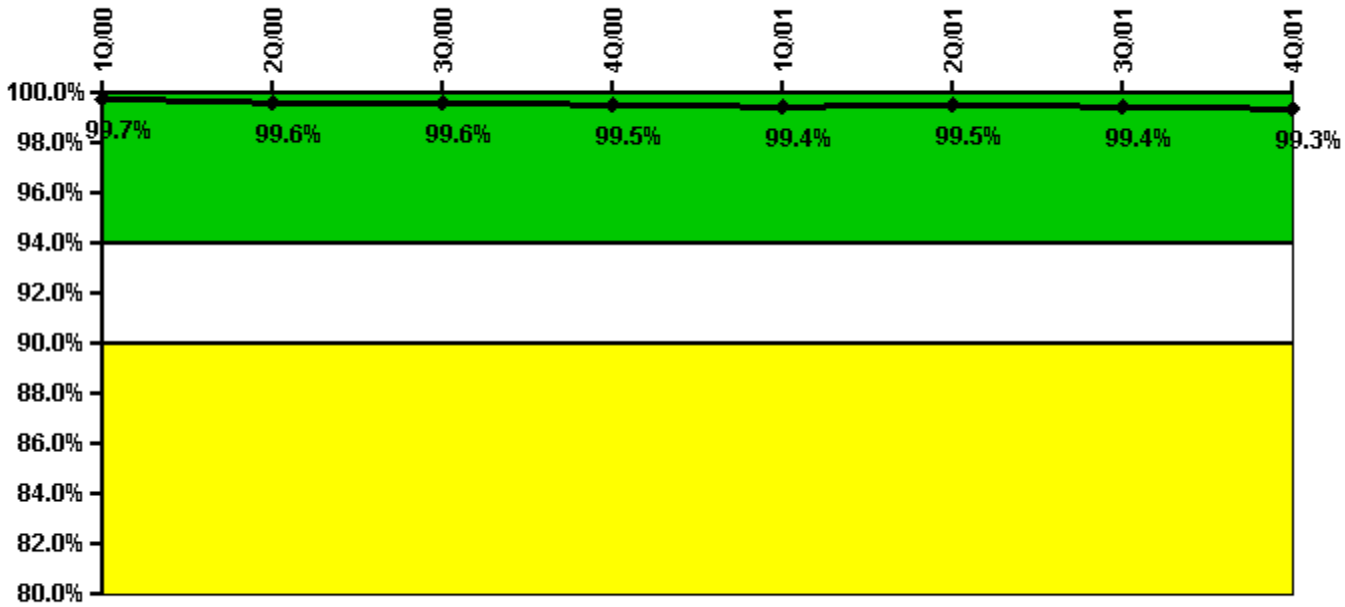
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	53.0	50.0	55.0	56.0	54.0	56.0	59.0	61.0
Total Key personnel	58.0	60.0	61.0	61.0	60.0	61.0	60.0	61.0
Indicator value	91.4%	83.3%	90.2%	91.8%	90.0%	91.8%	98.3%	100.0%

Licensee Comments: none

Alert & Notification System



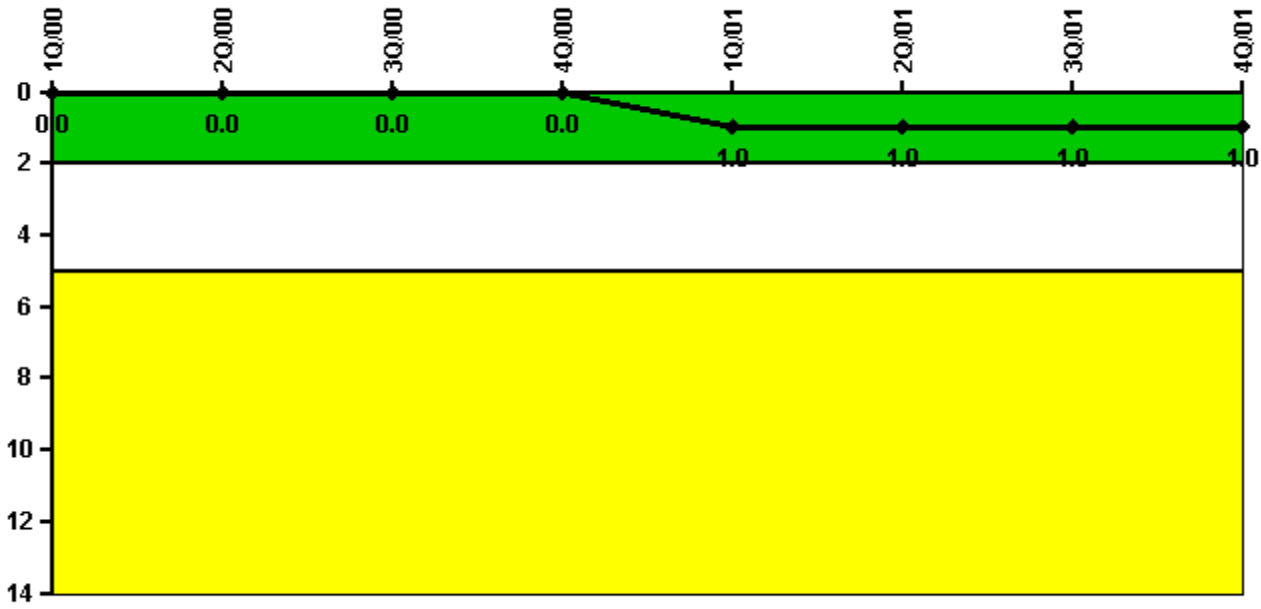
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	912	1040	1175	1044	909	1043	1171	1039
Total sirens-tests	917	1048	1179	1048	917	1048	1179	1048
Indicator value	99.7%	99.6%	99.6%	99.5%	99.4%	99.5%	99.4%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



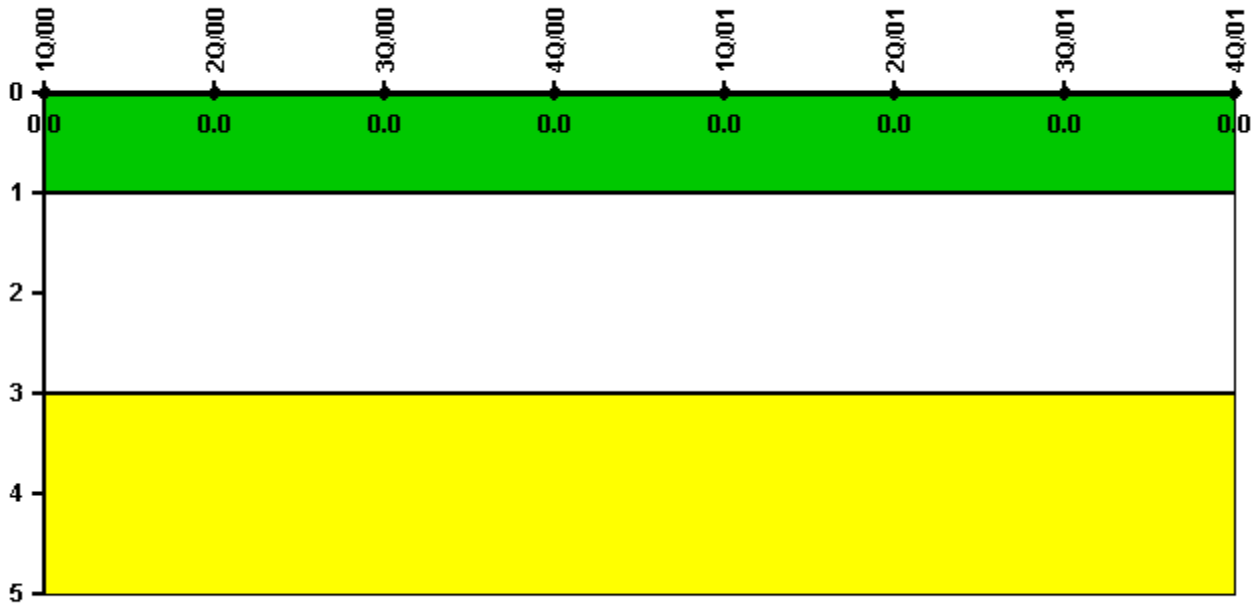
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
High radiation area occurrences	0	0	0	0	1	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	1	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



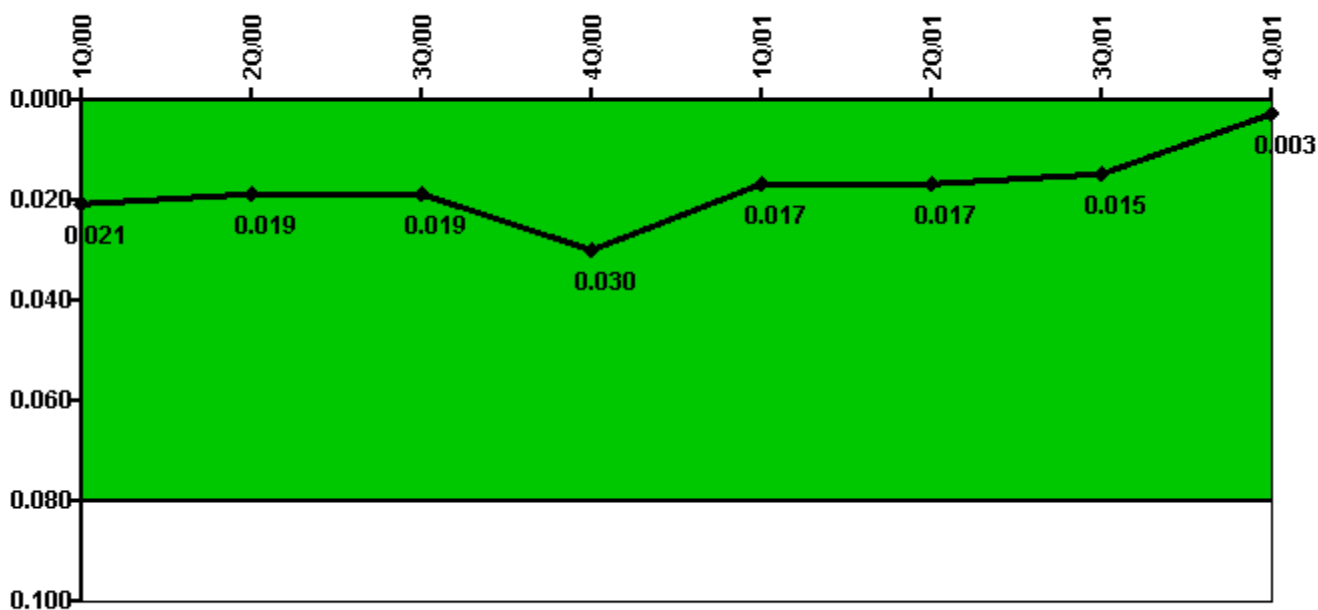
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



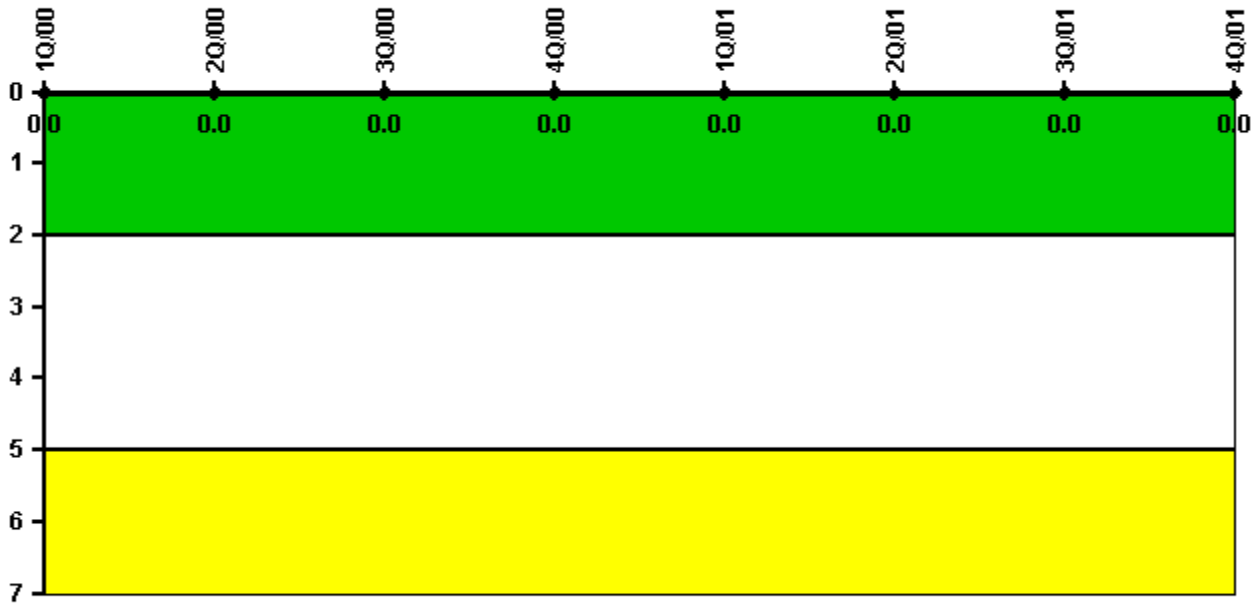
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	573.00	35.75	51.87	31.37	3.87	15.33	24.48	5.90
CCTV compensatory hours	0	0	14.9	267.1	22.4	2.6	1.8	0.9
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.021	0.019	0.019	0.030	0.017	0.017	0.015	0.003

Licensee Comments: none

Personnel Screening Program



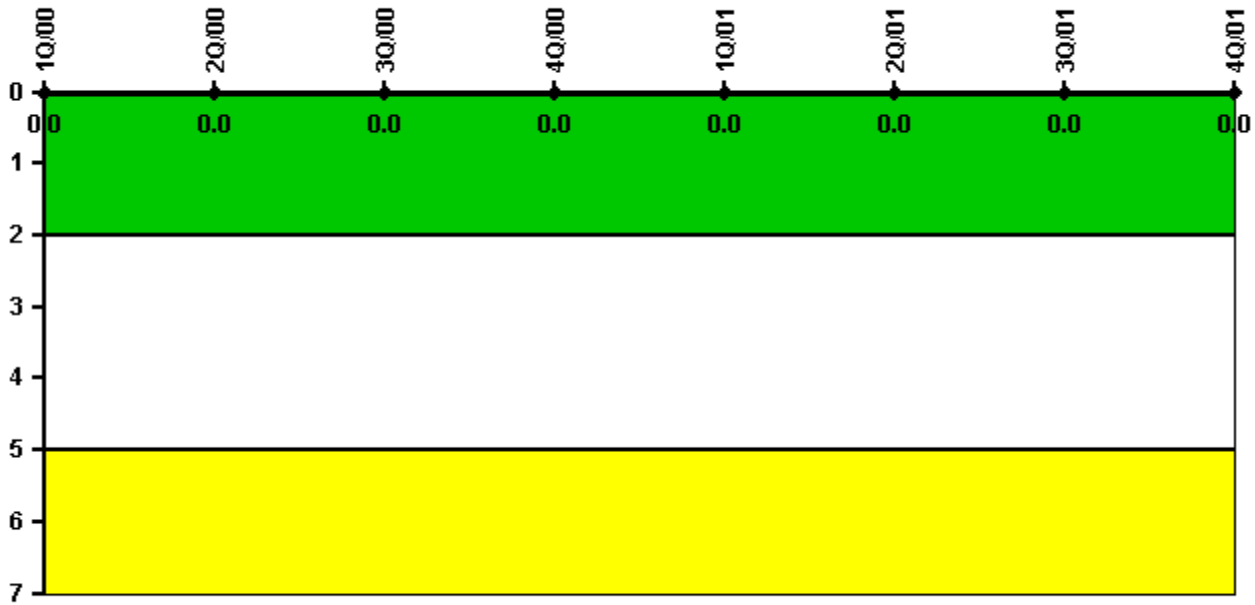
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

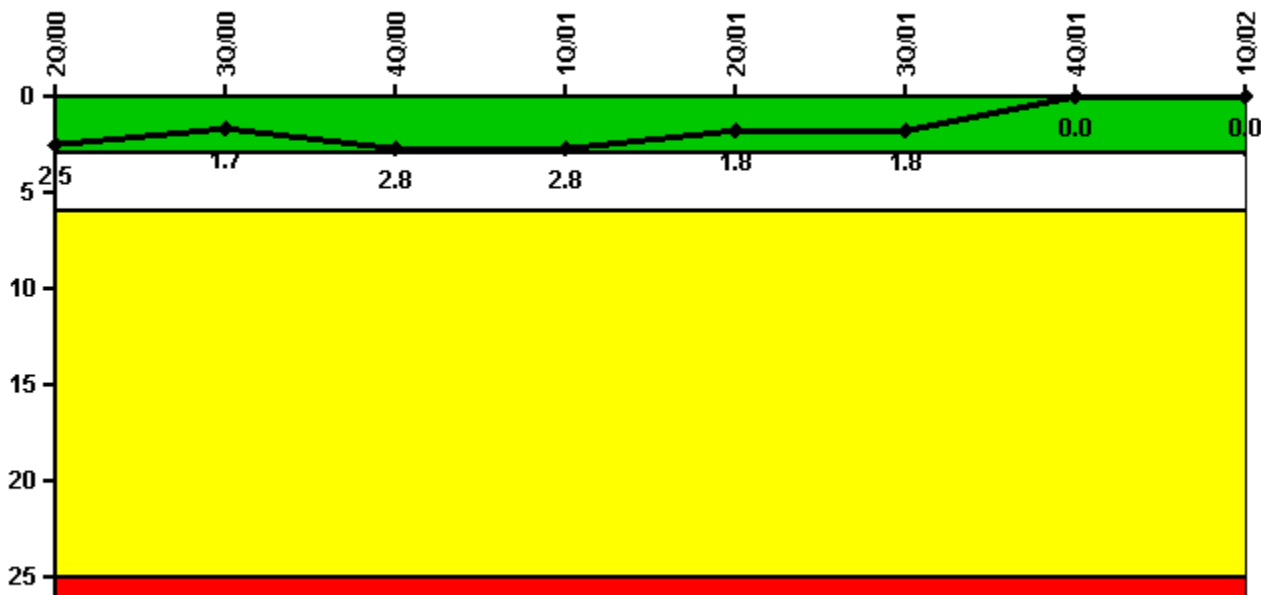
Last Modified: March 15, 2002

Diablo Canyon 1

1Q/2002 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/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	1.0	0	2.0	0	0	0	0	0
Critical hours	1906.8	2208.0	1299.8	2160.0	2183.0	2208.0	2209.0	2160.0
Indicator value	2.5	1.7	2.8	2.8	1.8	1.8	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



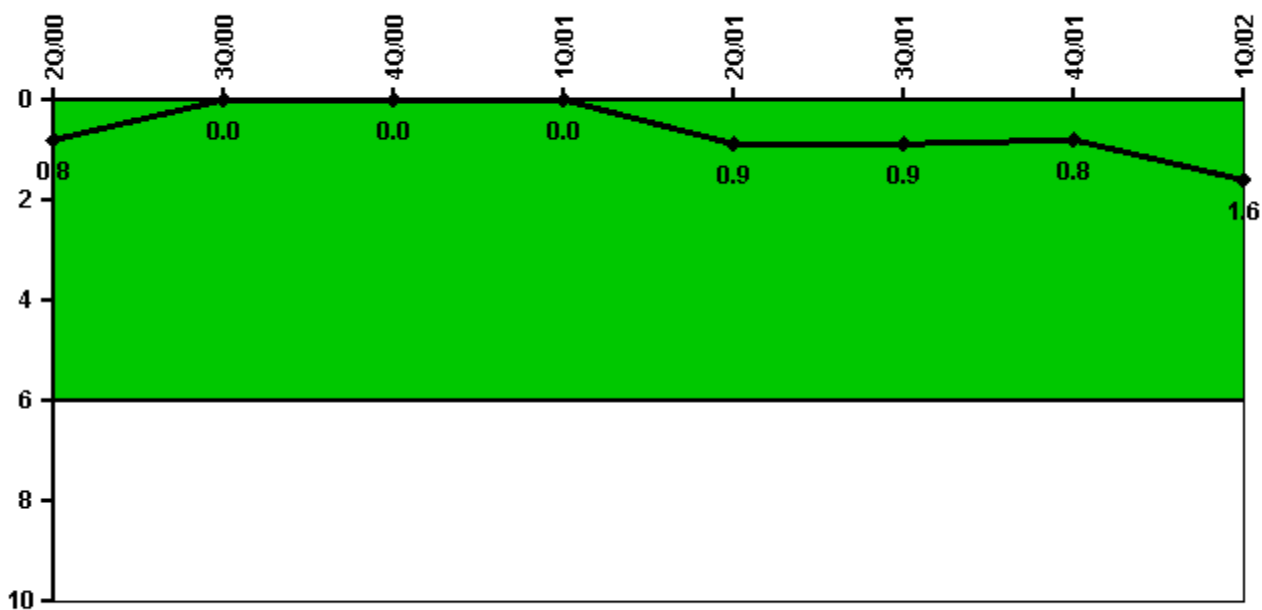
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	1.0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



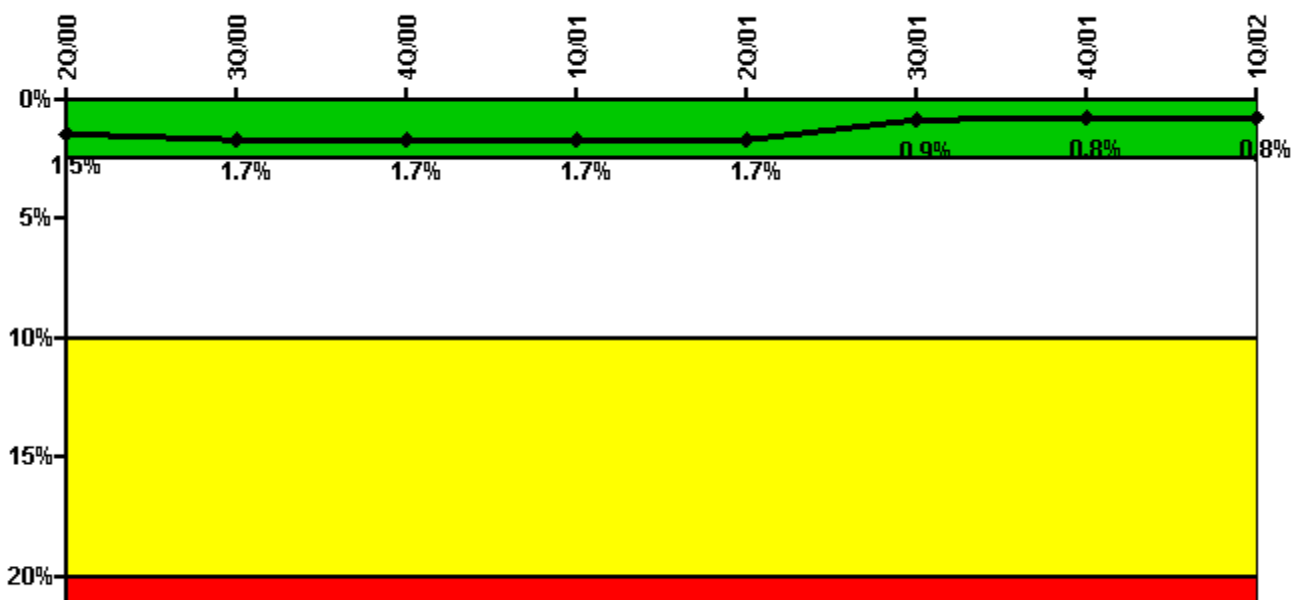
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	0	0	1.0	0	0	1.0
Critical hours	1906.8	2208.0	1299.8	2160.0	2183.0	2208.0	2209.0	2160.0
Indicator value	0.8	0	0	0	0.9	0.9	0.8	1.6

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



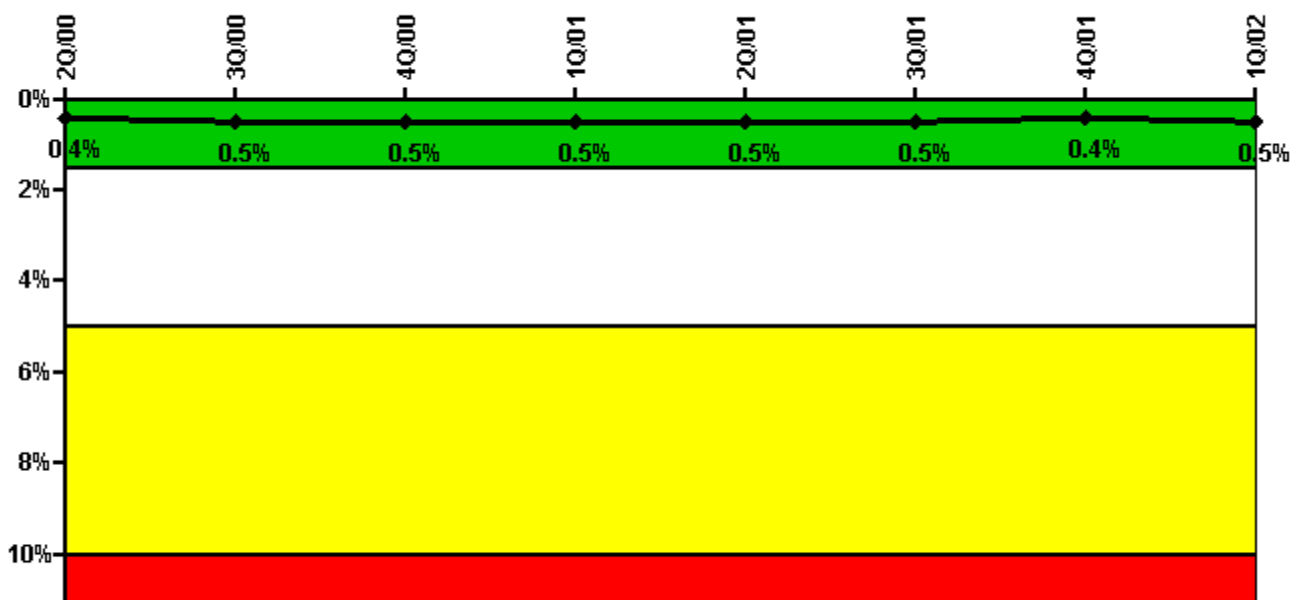
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0.10	67.20	0.10	0.80	2.30	16.90	0.10	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	51.80	4.50	0.10	0.50	1.40	32.20	0.10	0.10
Unplanned unavailable hours	0	4.00	0	50.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	11.20	50.00	16.00	0.90	26.60	0.10	0.20	19.90
Unplanned unavailable hours	0	13.90	21.40	14.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.5%	1.7%	1.7%	1.7%	1.7%	0.9%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



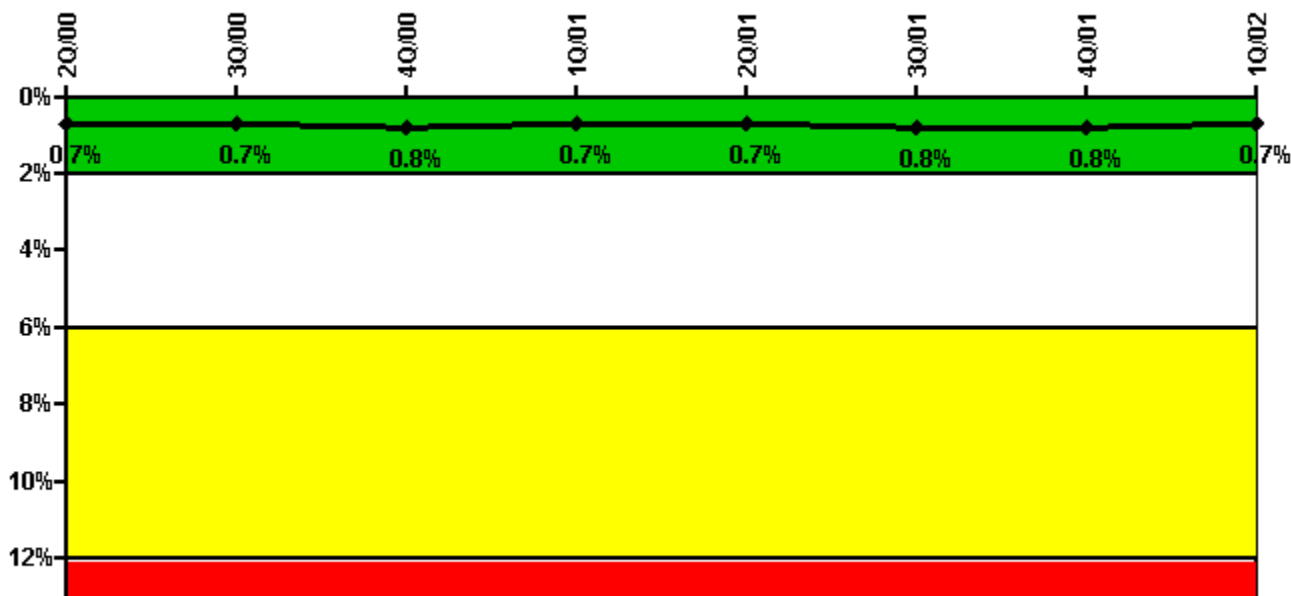
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	44.50	0	4.80	13.40	43.70	0	0	60.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	12.10	6.40	24.90	0	0	18.30	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	0.10	13.00	0.30	1.20	9.82	0.10	0.60	14.71
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	26.20	0.45	11.00	1.20	0.10	12.00	0.30	13.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.4%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



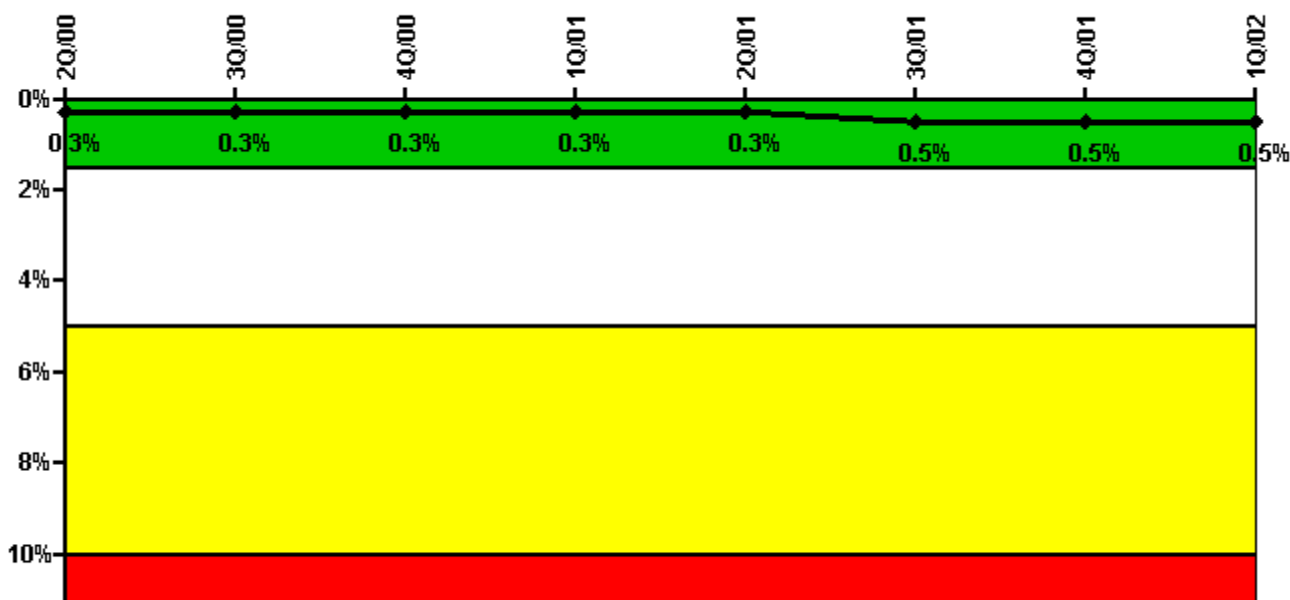
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	22.60	36.00	47.50	2.50	19.20	7.60	18.50	2.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.10	3.60	18.70	2.40	4.60	32.20	1.30	1.90
Unplanned unavailable hours	0	0	35.40	0	0.40	16.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	10.40	3.40	0.50	15.40	0	26.30	1.20	6.00
Unplanned unavailable hours	0	0	0	0	3.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1906.80	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.7%	0.7%	0.8%	0.7%	0.7%	0.8%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



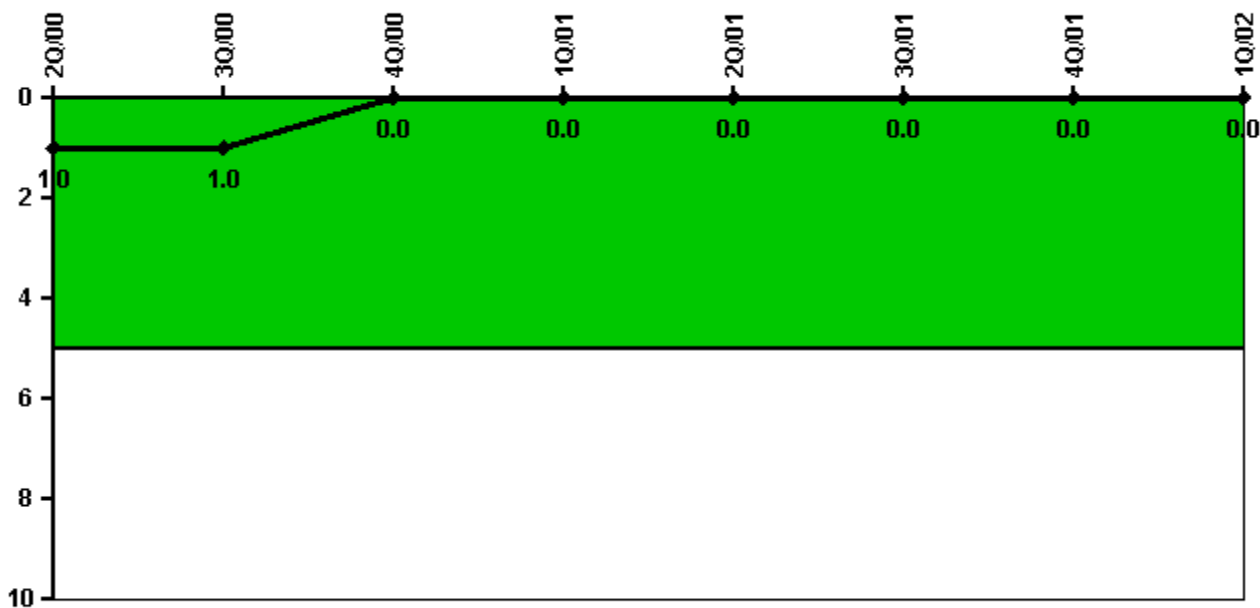
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	26.10	0.45	13.10	0.90	0.30	11.60	0.90	1.00
Unplanned unavailable hours	0	0	0	0	0	6.70	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	22.10	0.25	0	10.40	0.60	72.10	22.20	13.40
Unplanned unavailable hours	0	0	0	0	0	9.50	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



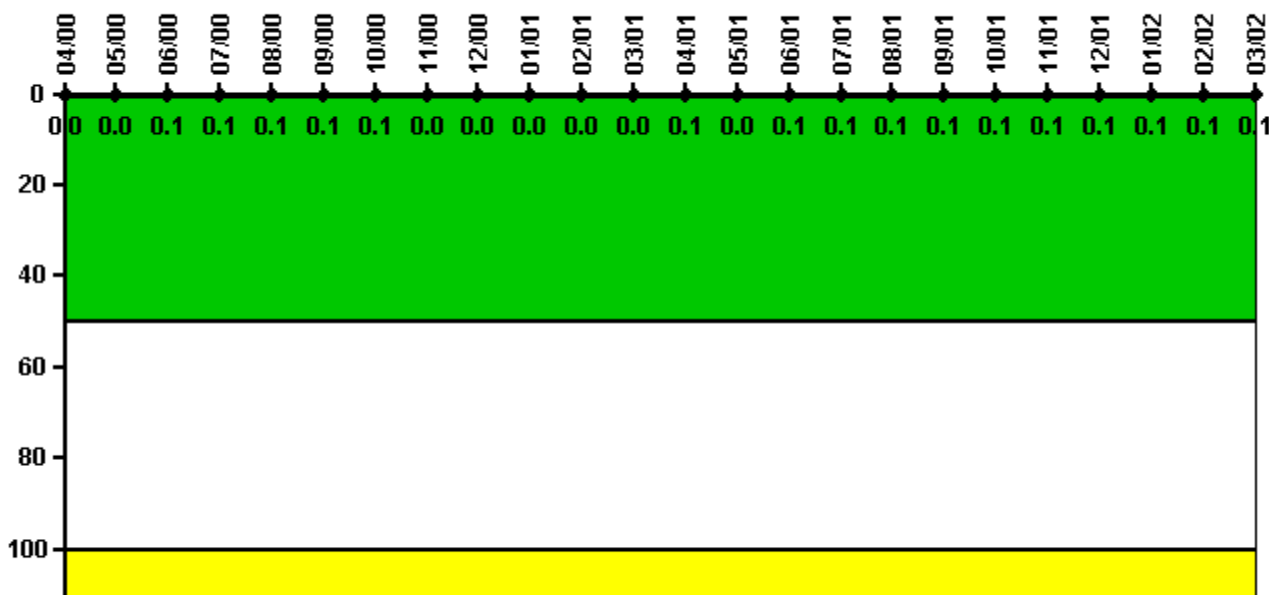
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	1	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

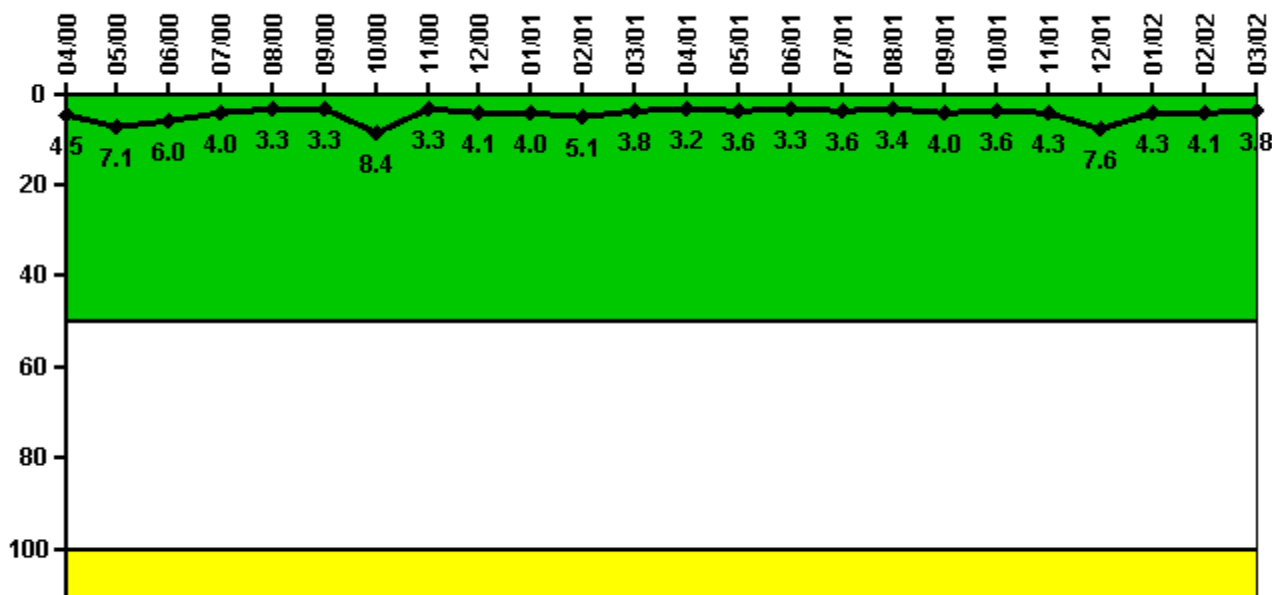
Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000408	0.000486	0.000605	0.000567	0.000608	0.000562	0.000621	0.000222	0.000254	0.000265	0.000285	0.000350
Technical specification limit	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000368	0.000340	0.000414	0.000476	0.000631	0.000407	0.000374	0.000445	0.000424	0.000380	0.000407	0.000480
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments:

3/02: The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for non-conservatism identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

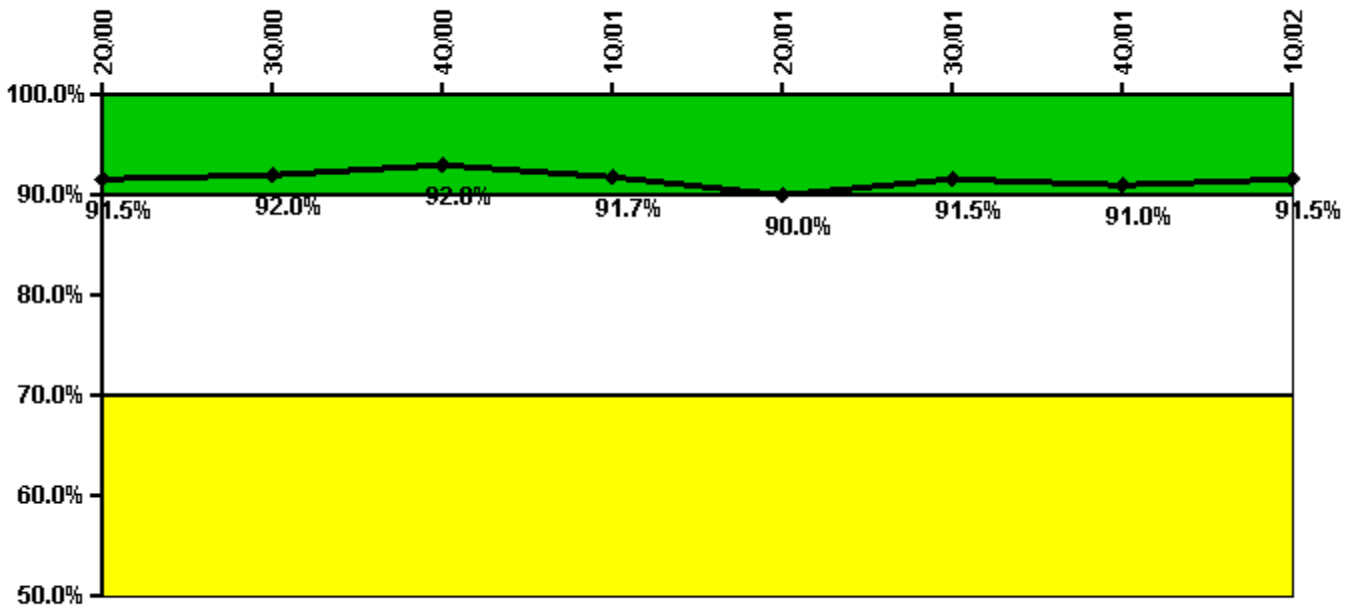
Notes

Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.454	0.705	0.602	0.397	0.332	0.327	0.839	0.325	0.405	0.398	0.509	0.379
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	4.5	7.1	6.0	4.0	3.3	3.3	8.4	3.3	4.1	4.0	5.1	3.8

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.317	0.360	0.327	0.357	0.339	0.395	0.364	0.432	0.755	0.428	0.405	0.375
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	3.2	3.6	3.3	3.6	3.4	4.0	3.6	4.3	7.6	4.3	4.1	3.8

Licensee Comments: none

Drill/Exercise Performance



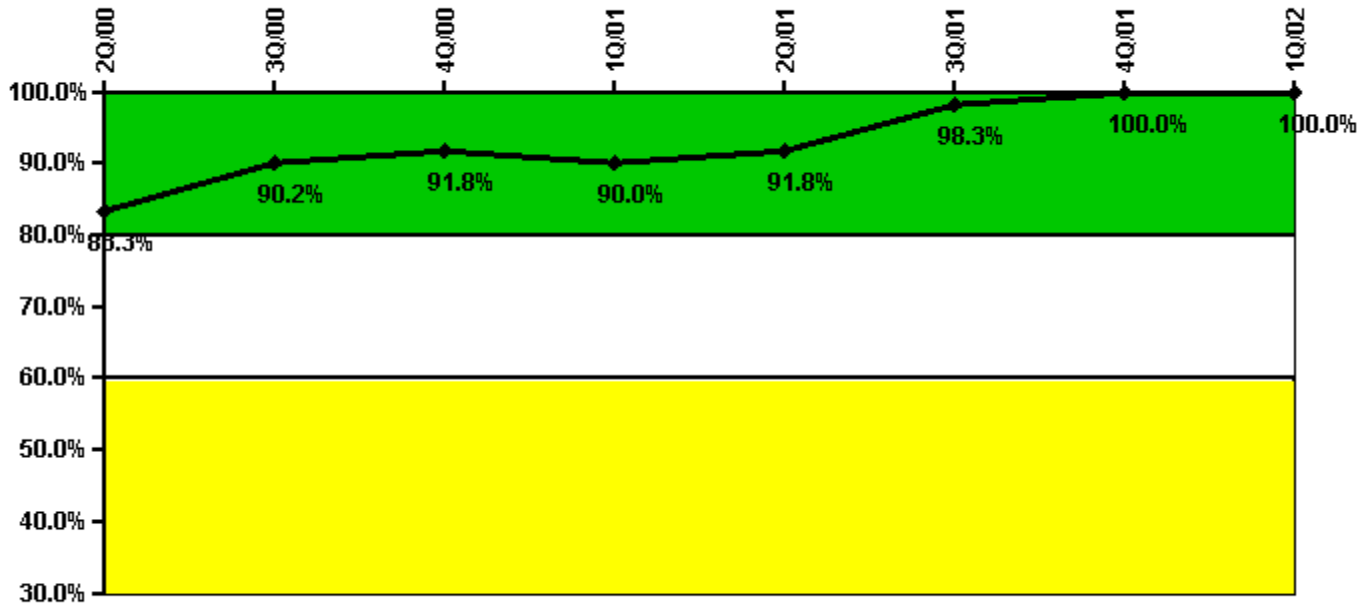
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	28.0	21.0	10.0	36.0	21.0	23.0	9.0	36.0
Total opportunities	33.0	23.0	10.0	40.0	23.0	23.0	10.0	39.0
Indicator value	91.5%	92.0%	92.8%	91.7%	90.0%	91.5%	91.0%	91.5%

Licensee Comments: none

ERO Drill Participation



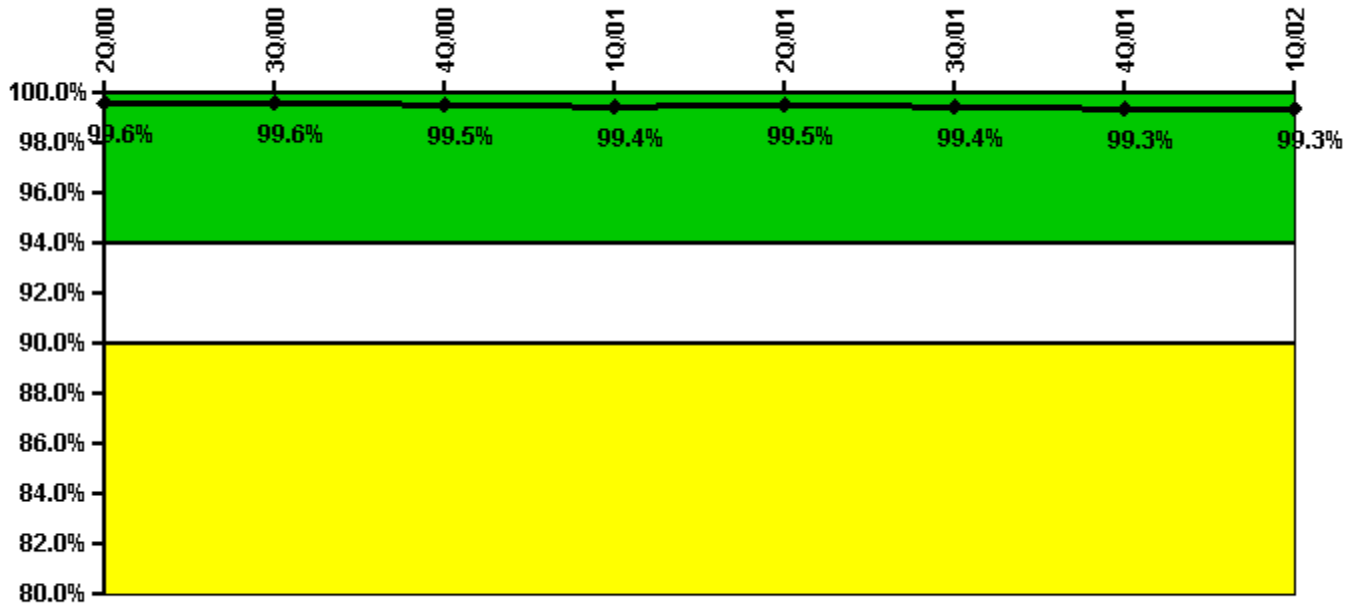
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	50.0	55.0	56.0	54.0	56.0	59.0	61.0	63.0
Total Key personnel	60.0	61.0	61.0	60.0	61.0	60.0	61.0	63.0
Indicator value	83.3%	90.2%	91.8%	90.0%	91.8%	98.3%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



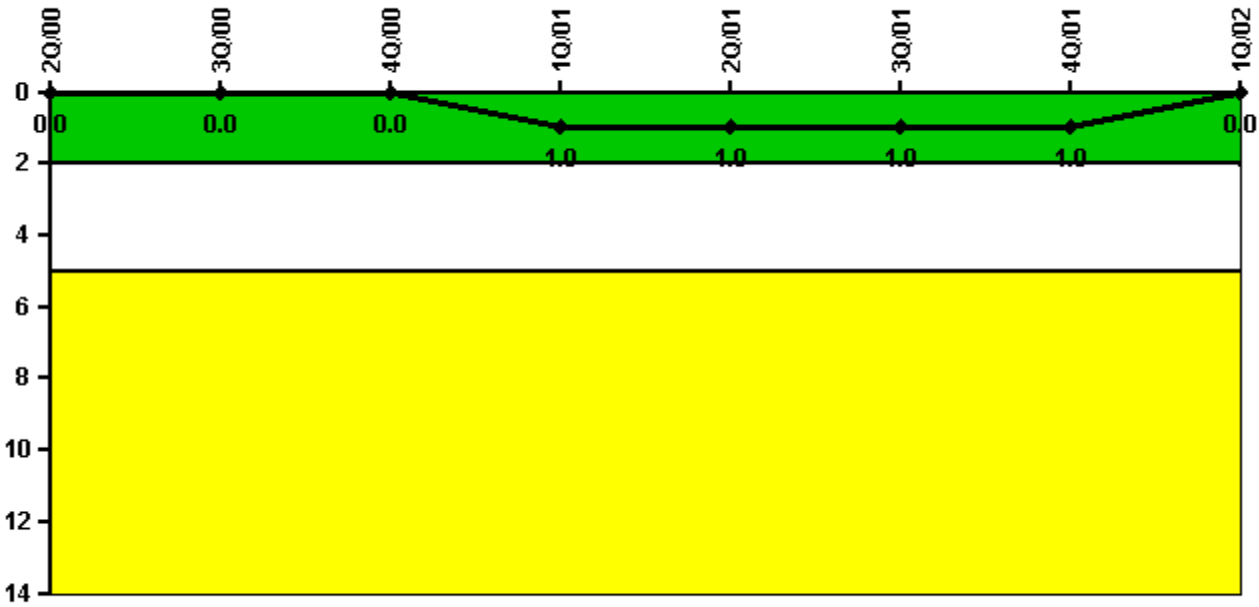
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	1040	1175	1044	909	1043	1171	1039	911
Total sirens-tests	1048	1179	1048	917	1048	1179	1048	917
Indicator value	99.6%	99.6%	99.5%	99.4%	99.5%	99.4%	99.3%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



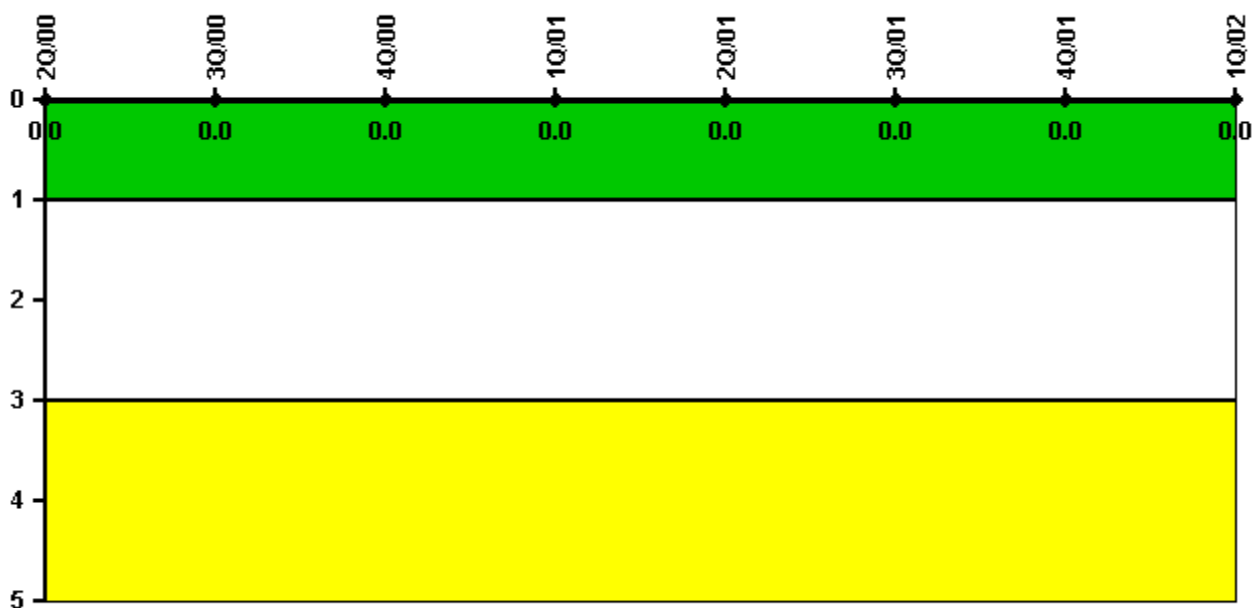
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
High radiation area occurrences	0	0	0	1	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	1	1	1	1	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



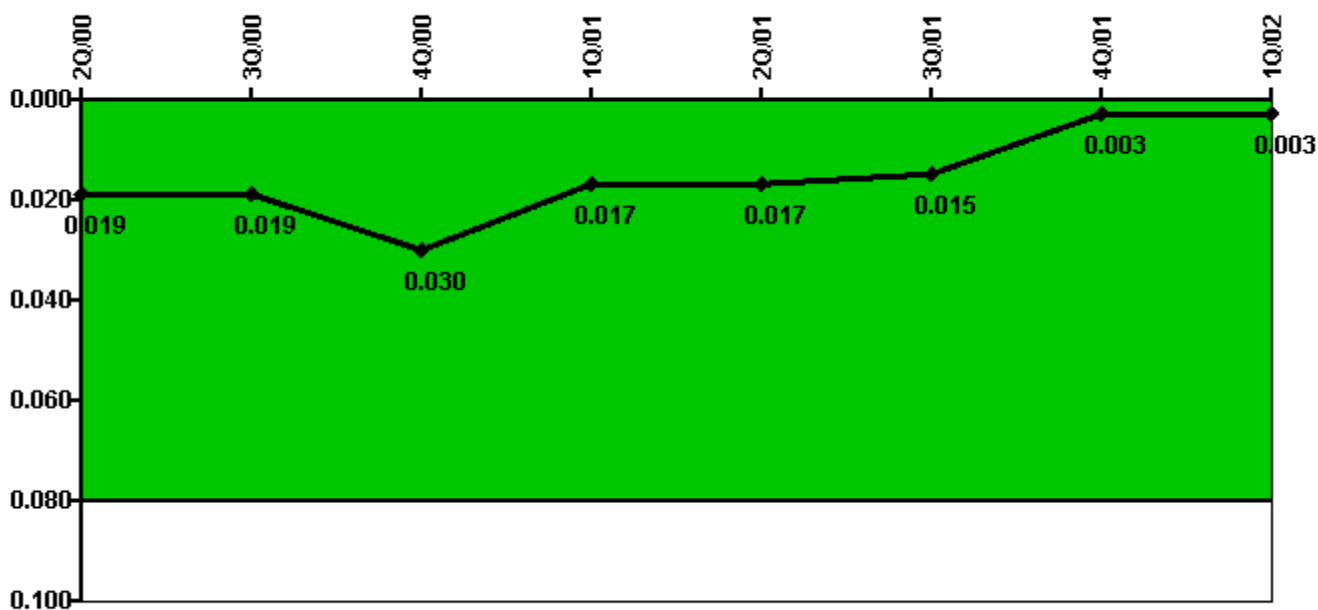
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

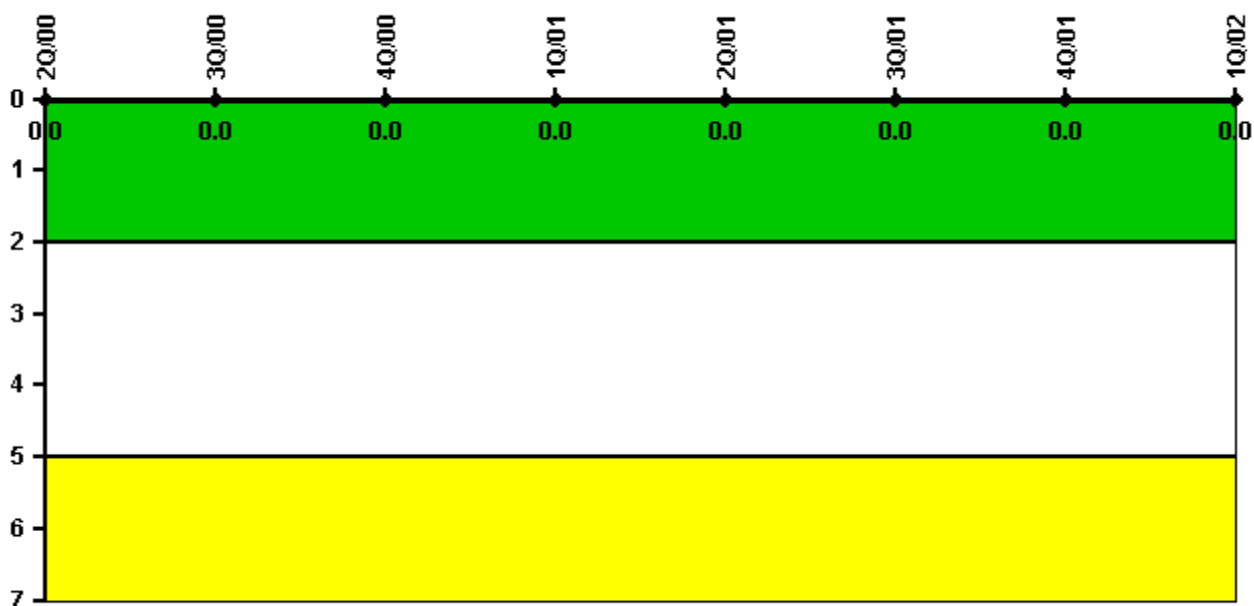
Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	35.75	51.87	31.37	3.87	15.33	24.48	5.90	51.03
CCTV compensatory hours	0	14.9	267.1	22.4	2.6	1.8	15.5	0.5
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.019	0.019	0.030	0.017	0.017	0.015	0.003	0.003

Licensee Comments:

4Q/01: The CCTV Compensatory Hours for 4Q01 were increased from 0.87 hours to 15.48 hours to account for compensatory hours that were inadvertently omitted from the 4Q01 PI data submittal. This change does not affect any other quarters or the color of this PI.

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

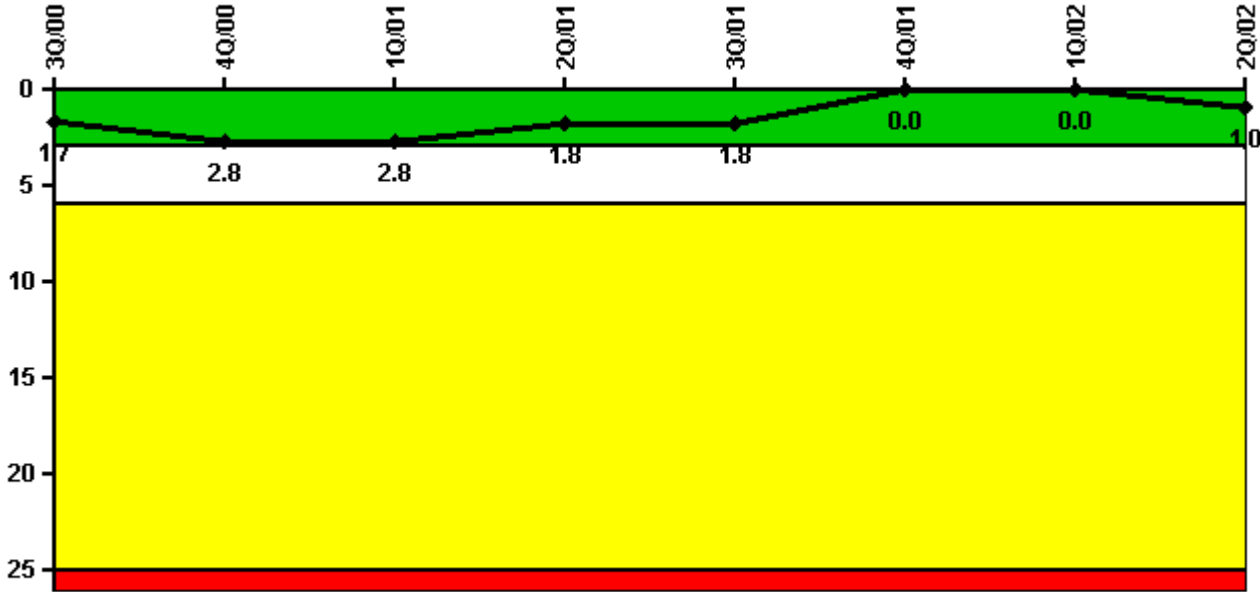
Last Modified: May 1, 2002

Diablo Canyon 1

2Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



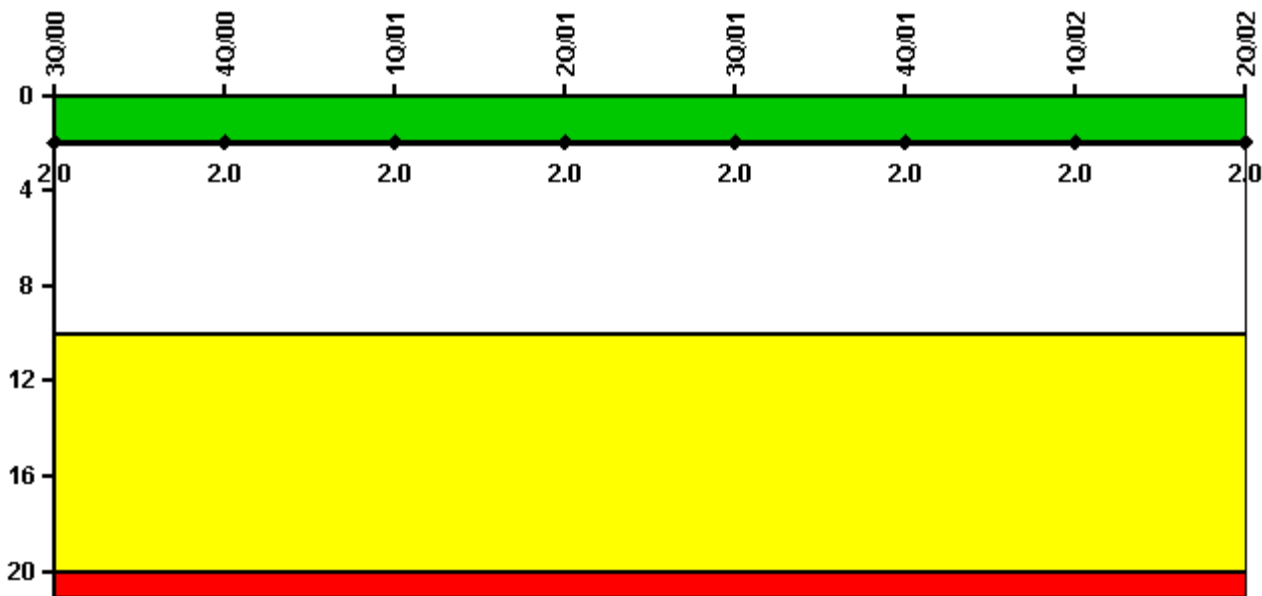
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	0	2.0	0	0	0	0	0	1.0
Critical hours	2208.0	1299.8	2160.0	2183.0	2208.0	2209.0	2160.0	695.3
Indicator value	1.7	2.8	2.8	1.8	1.8	0	0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



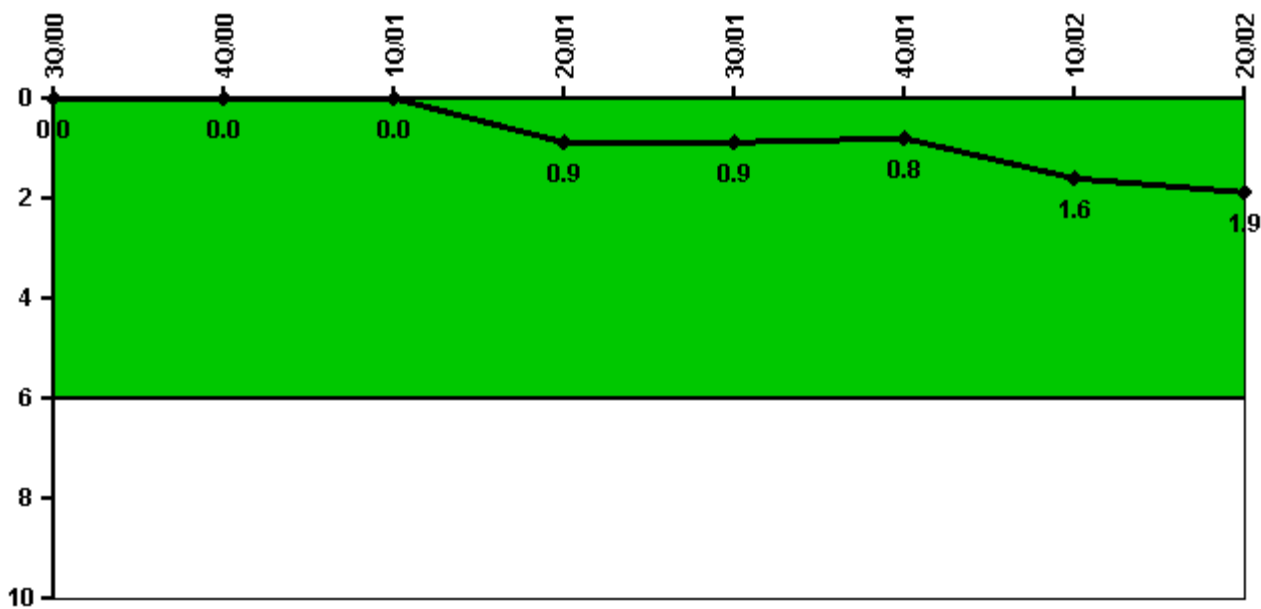
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



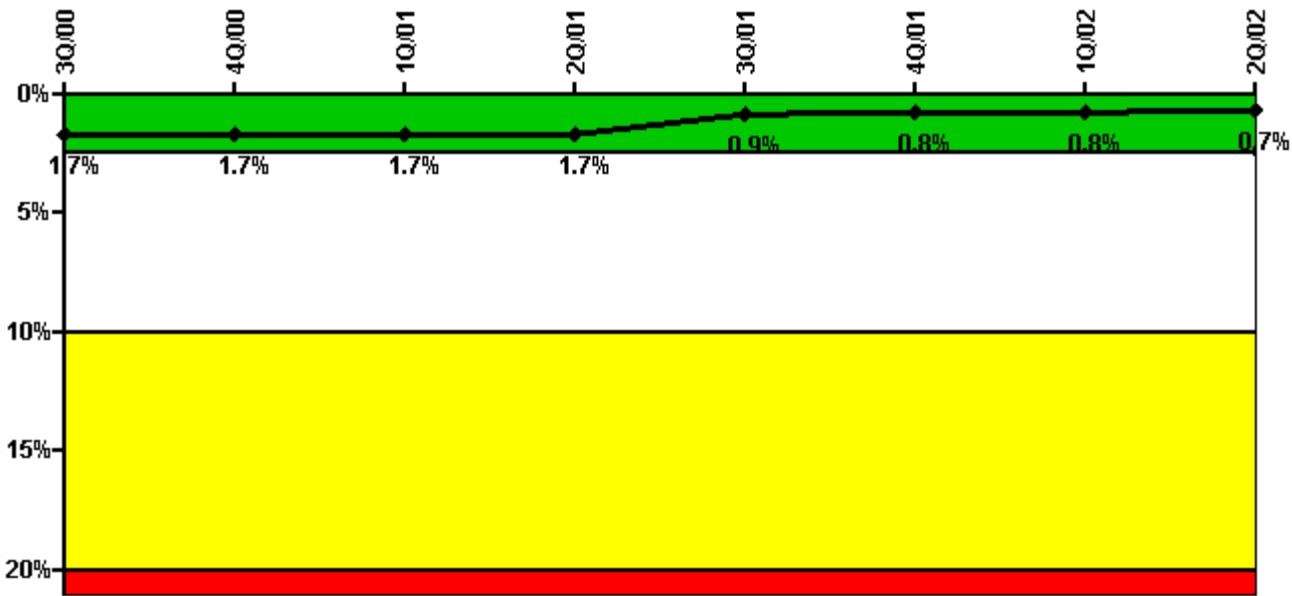
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	0	0	1.0	0	0	1.0	1.0
Critical hours	2208.0	1299.8	2160.0	2183.0	2208.0	2209.0	2160.0	695.3
Indicator value	0	0	0	0.9	0.9	0.8	1.6	1.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



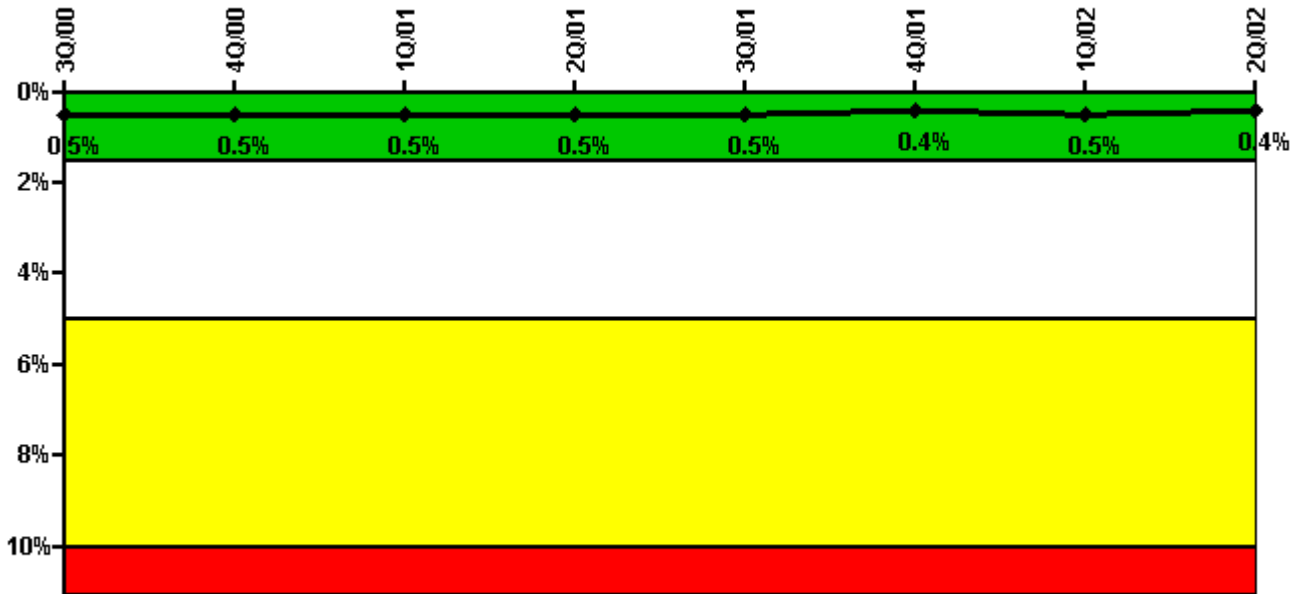
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	67.20	0.10	0.80	2.30	16.90	0.10	0	4.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	4.50	0.10	0.50	1.40	32.20	0.10	0.10	2.20
Unplanned unavailable hours	4.00	0	50.90	0	0	0	0	11.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	50.00	16.00	0.90	26.60	0.10	0.20	19.90	5.20
Unplanned unavailable hours	13.90	21.40	14.40	0	0	0	0	2.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.7%	1.7%	1.7%	1.7%	0.9%	0.8%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

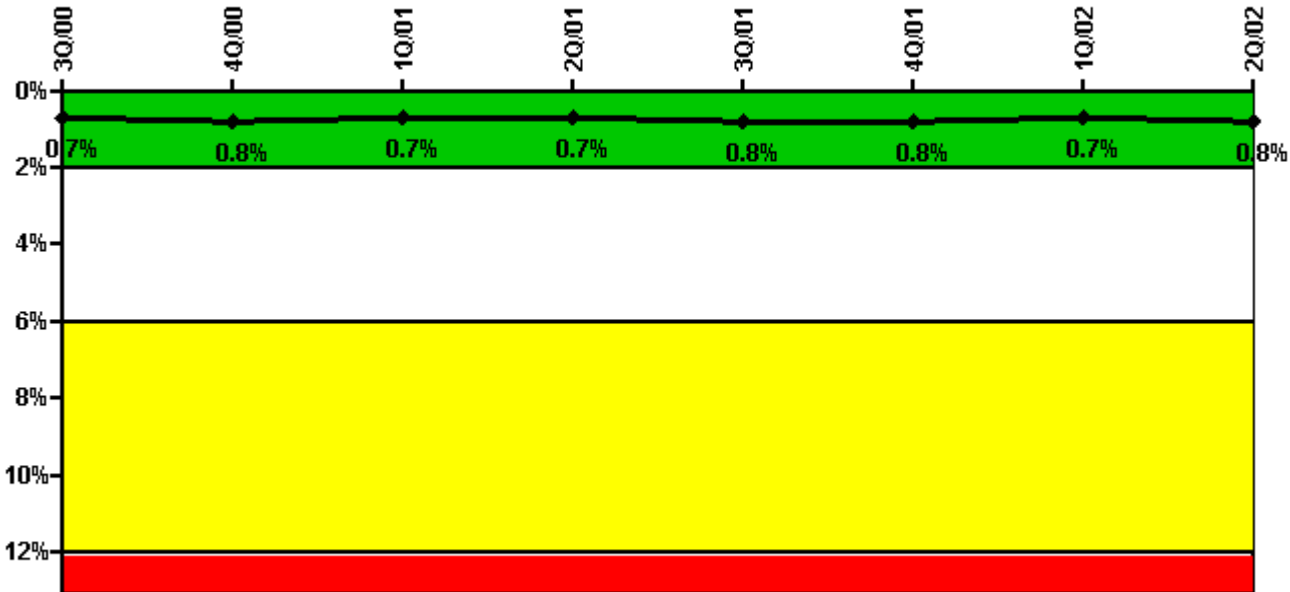
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0	4.80	13.40	43.70	0	0	60.30	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60
Train 2								
Planned unavailable hours	12.10	6.40	24.90	0	0	18.30	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60
Train 3								
Planned unavailable hours	13.00	0.30	1.20	9.82	0.10	0.60	14.71	0.44
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60
Train 4								

Planned unavailable hours	0.45	11.00	1.20	0.10	12.00	0.30	13.50	0.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60
Indicator value	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%	0.5%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

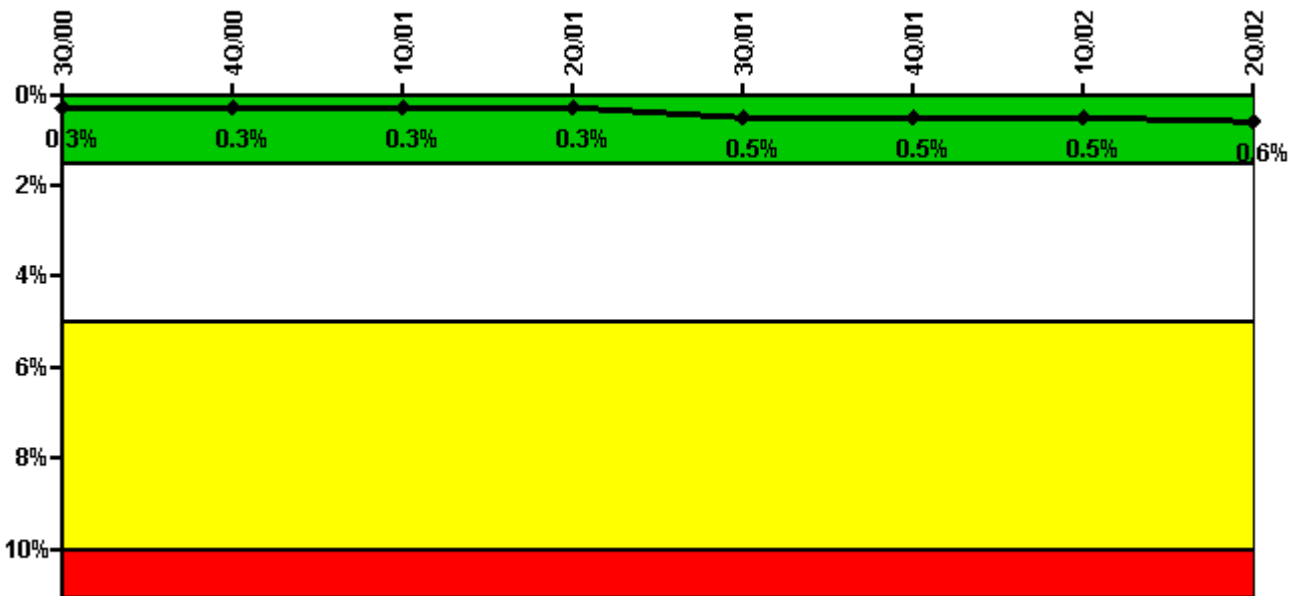
Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	36.00	47.50	2.50	19.20	7.60	18.50	2.20	33.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60
Train 2								
Planned unavailable hours	3.60	18.70	2.40	4.60	32.20	1.30	1.90	24.20
Unplanned unavailable hours	0	35.40	0	0.40	16.20	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60
Train 3								
Planned unavailable hours	3.40	0.50	15.40	0	26.30	1.20	6.00	20.00
Unplanned unavailable hours	0	0	0	3.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60
Indicator value	0.7%	0.8%	0.7%	0.7%	0.8%	0.8%	0.7%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

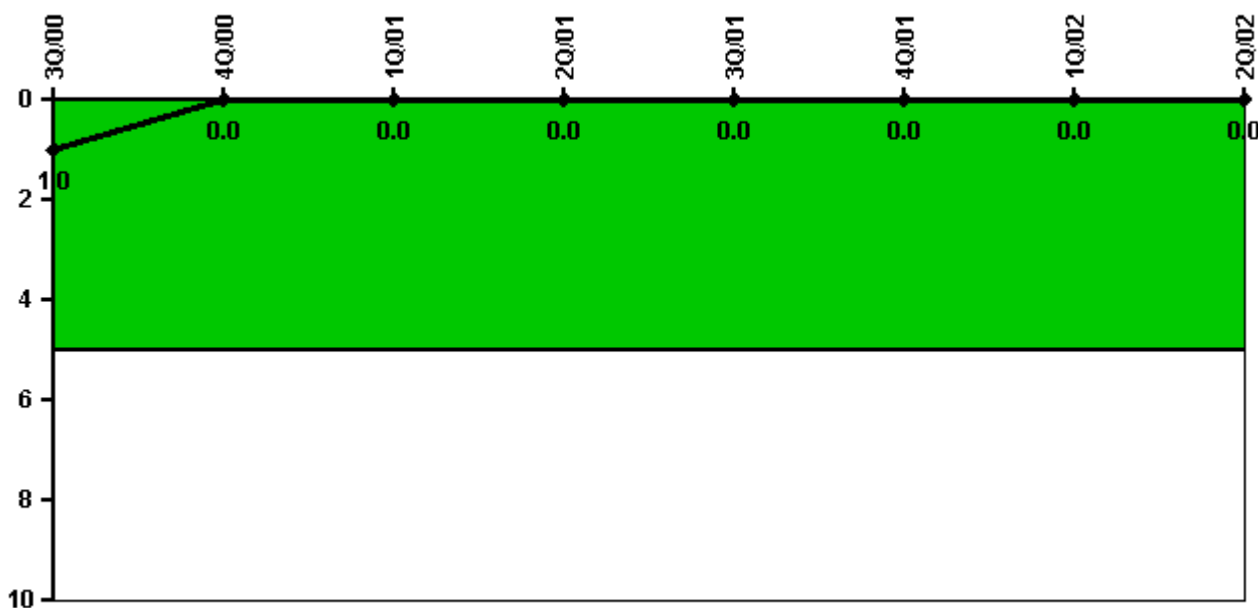
Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0.45	13.10	0.90	0.30	11.60	0.90	1.00	47.00
Unplanned unavailable hours	0	0	0	0	6.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0.25	0	10.40	0.60	72.10	22.20	13.40	0.20
Unplanned unavailable hours	0	0	0	0	9.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.5%	0.5%	0.5%	0.6%

Licensee Comments: none

Safety System Functional Failures (PWR)



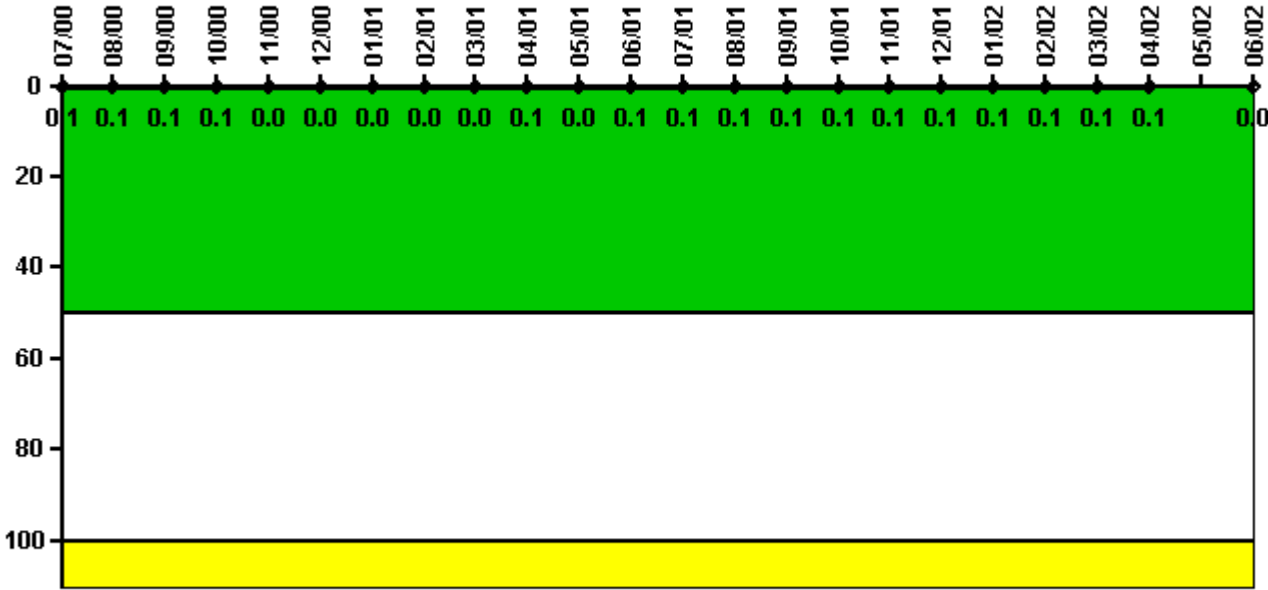
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

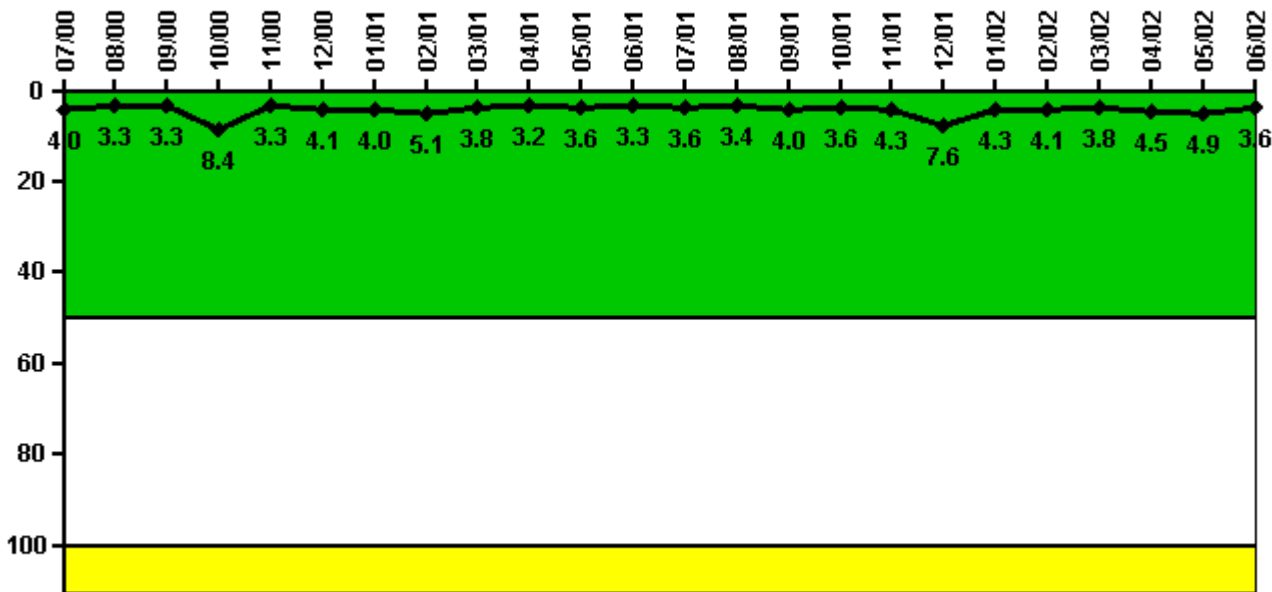
Reactor Coolant System Activity	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000567	0.000608	0.000562	0.000621	0.000222	0.000254	0.000265	0.000285	0.000350	0.000368	0.000340	0.000414
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0.1	0.1	0.1	0	0	0	0	0	0.1	0	0.1

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000476	0.000631	0.000407	0.000374	0.000445	0.000424	0.000380	0.000407	0.000480	0.000481	N/A	0.000189
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0

Licensee Comments:

6/02: The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for non-conservatisms identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

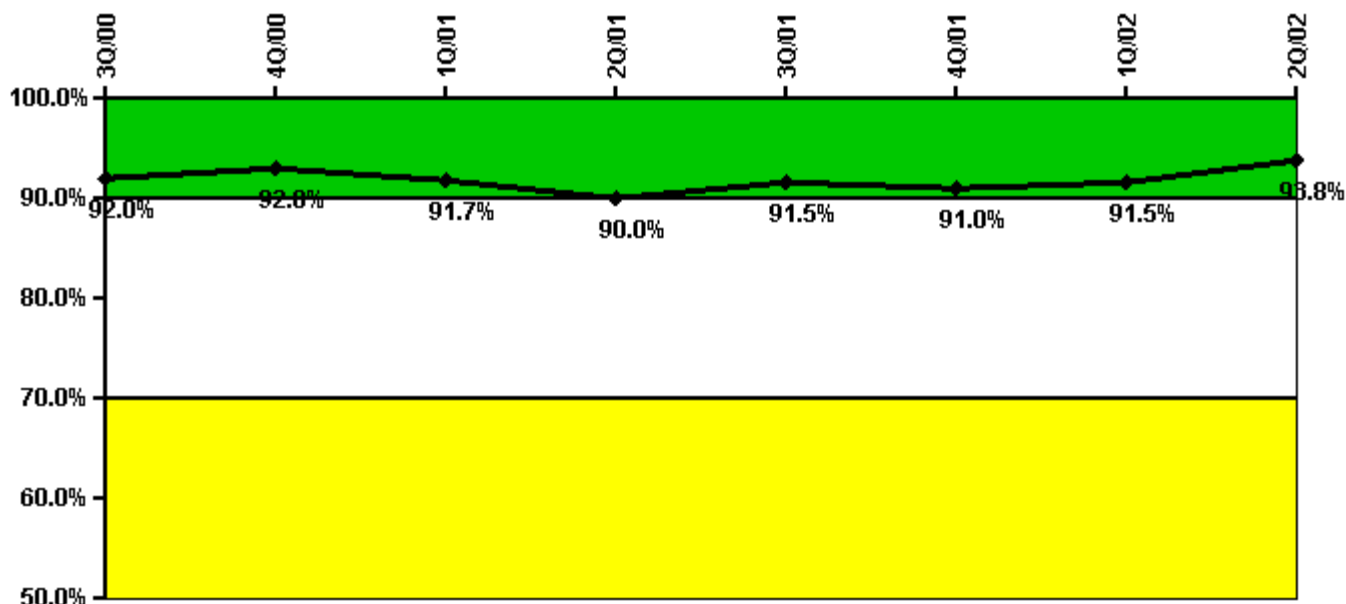
Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.397	0.332	0.327	0.839	0.325	0.405	0.398	0.509	0.379	0.317	0.360	0.327
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	4.0	3.3	3.3	8.4	3.3	4.1	4.0	5.1	3.8	3.2	3.6	3.3

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.357	0.339	0.395	0.364	0.432	0.755	0.428	0.405	0.375	0.450	0.487	0.360
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	3.6	3.4	4.0	3.6	4.3	7.6	4.3	4.1	3.8	4.5	4.9	3.6

Licensee Comments: none

Drill/Exercise Performance



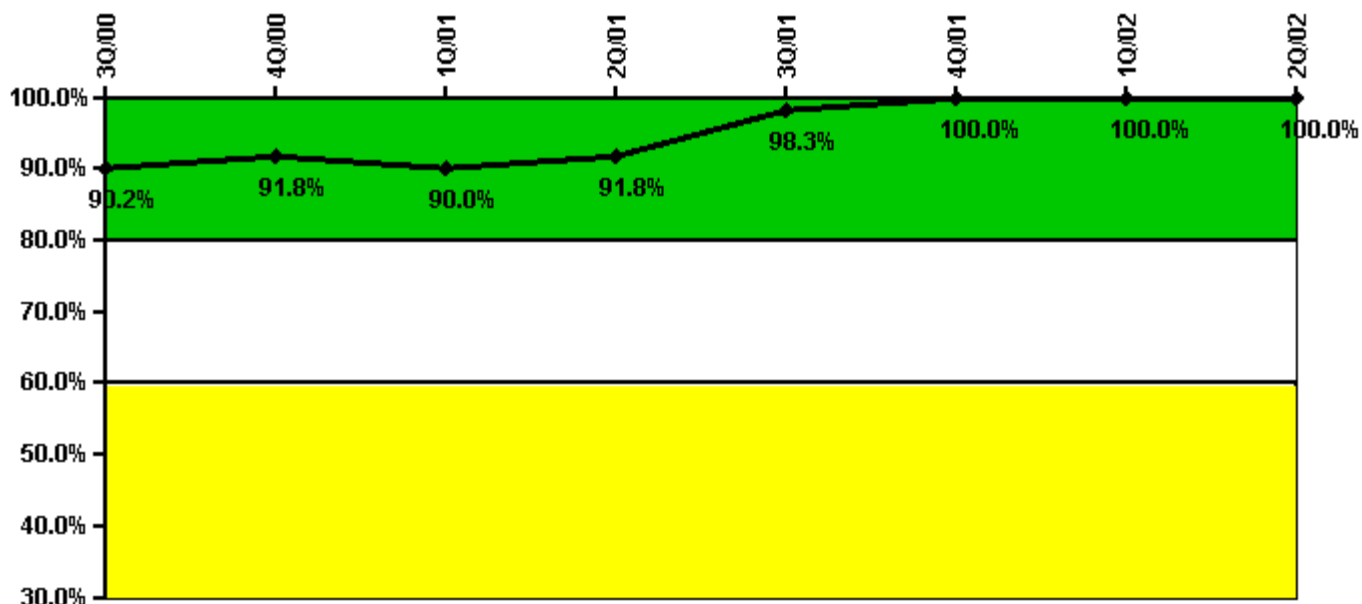
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	21.0	10.0	36.0	21.0	23.0	9.0	36.0	25.0
Total opportunities	23.0	10.0	40.0	23.0	23.0	10.0	39.0	25.0
Indicator value	92.0%	92.8%	91.7%	90.0%	91.5%	91.0%	91.5%	93.8%

Licensee Comments: none

ERO Drill Participation



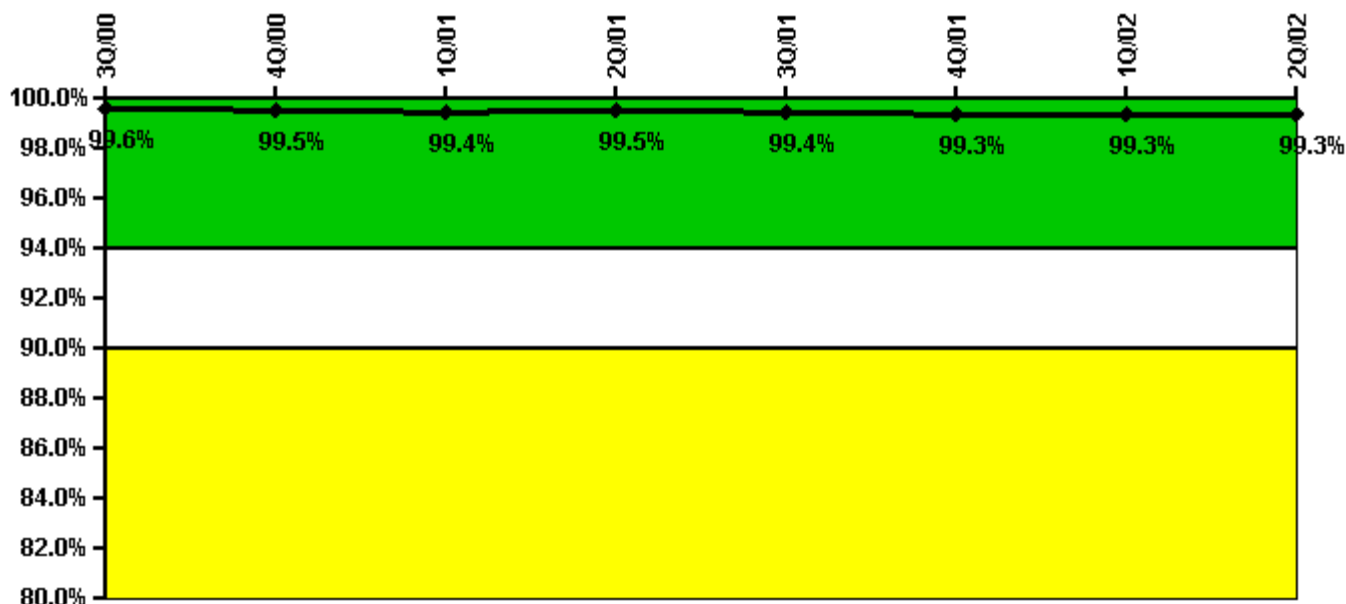
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	55.0	56.0	54.0	56.0	59.0	61.0	63.0	61.0
Total Key personnel	61.0	61.0	60.0	61.0	60.0	61.0	63.0	61.0
Indicator value	90.2%	91.8%	90.0%	91.8%	98.3%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



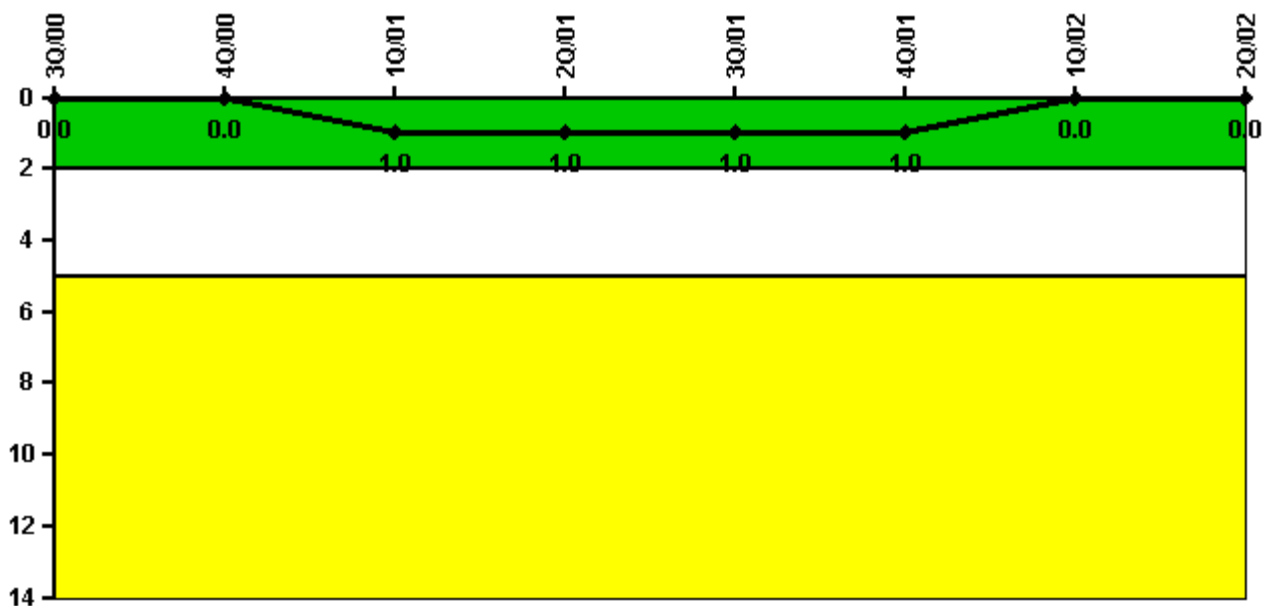
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	1175	1044	909	1043	1171	1039	911	1042
Total sirens-tests	1179	1048	917	1048	1179	1048	917	1048
Indicator value	99.6%	99.5%	99.4%	99.5%	99.4%	99.3%	99.3%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



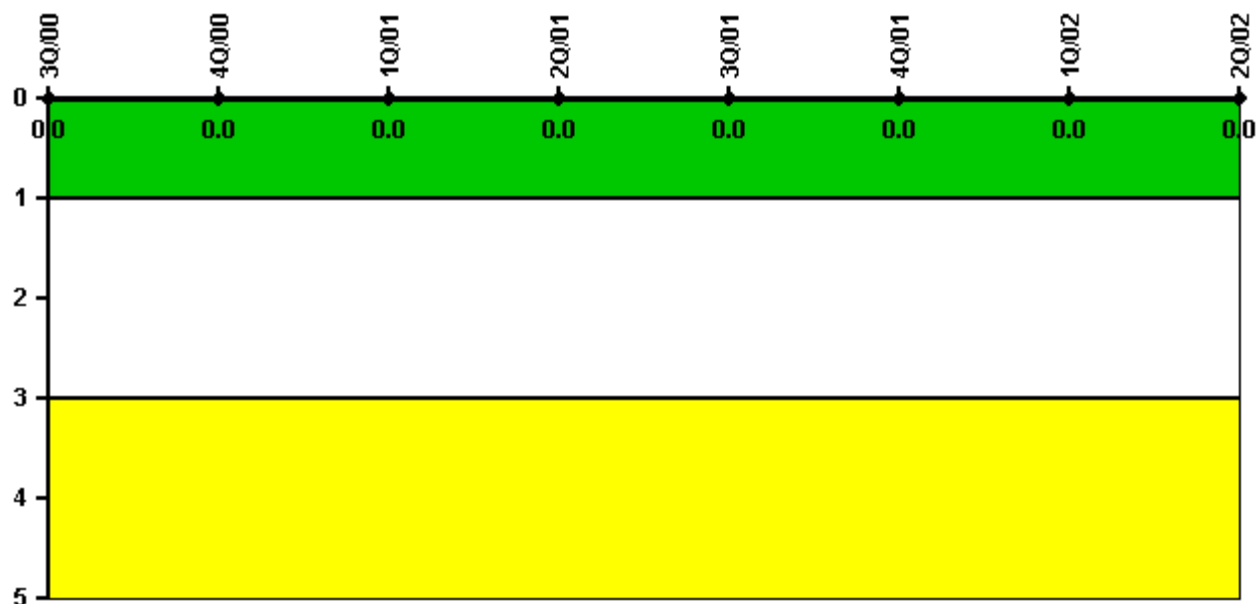
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
High radiation area occurrences	0	0	1	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	1	1	1	1	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



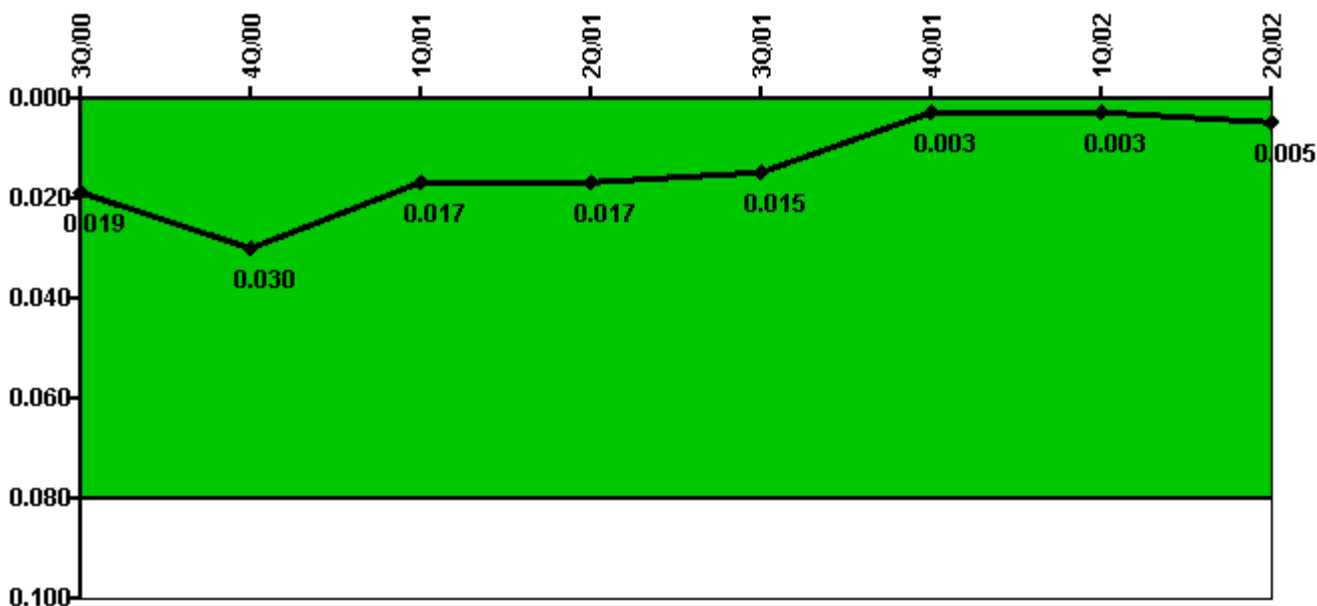
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



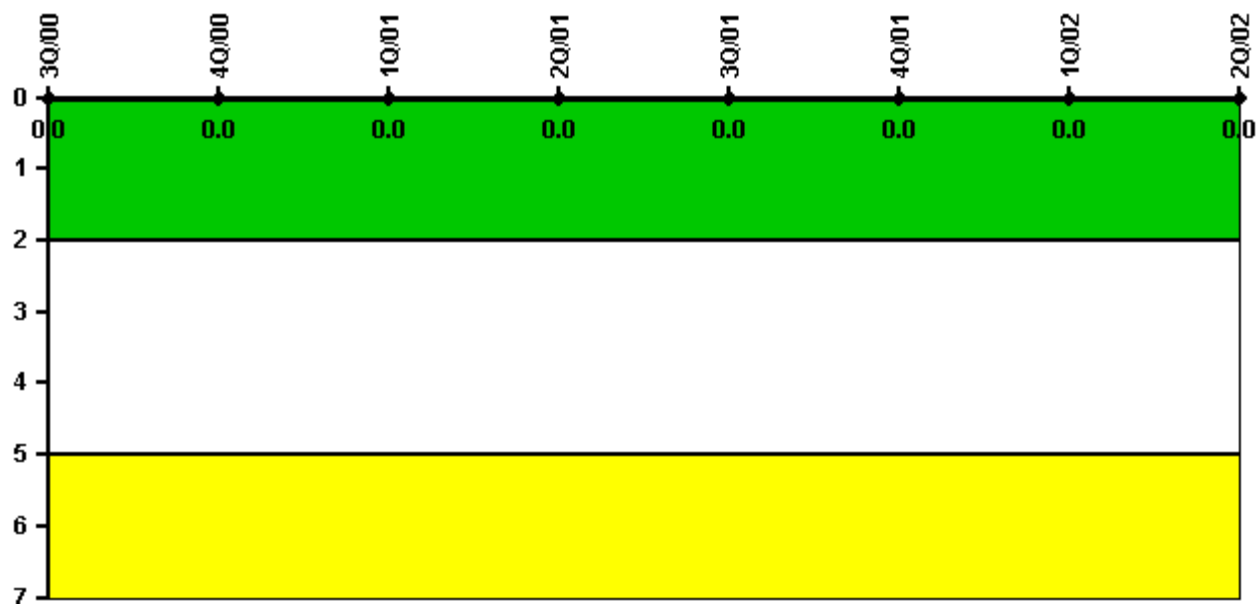
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
IDS compensatory hours	51.87	31.37	3.87	15.33	24.48	5.90	51.03	79.82
CCTV compensatory hours	14.9	267.1	22.4	2.6	1.8	15.5	0.5	14.2
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.019	0.030	0.017	0.017	0.015	0.003	0.003	0.005

Licensee Comments: none

Personnel Screening Program



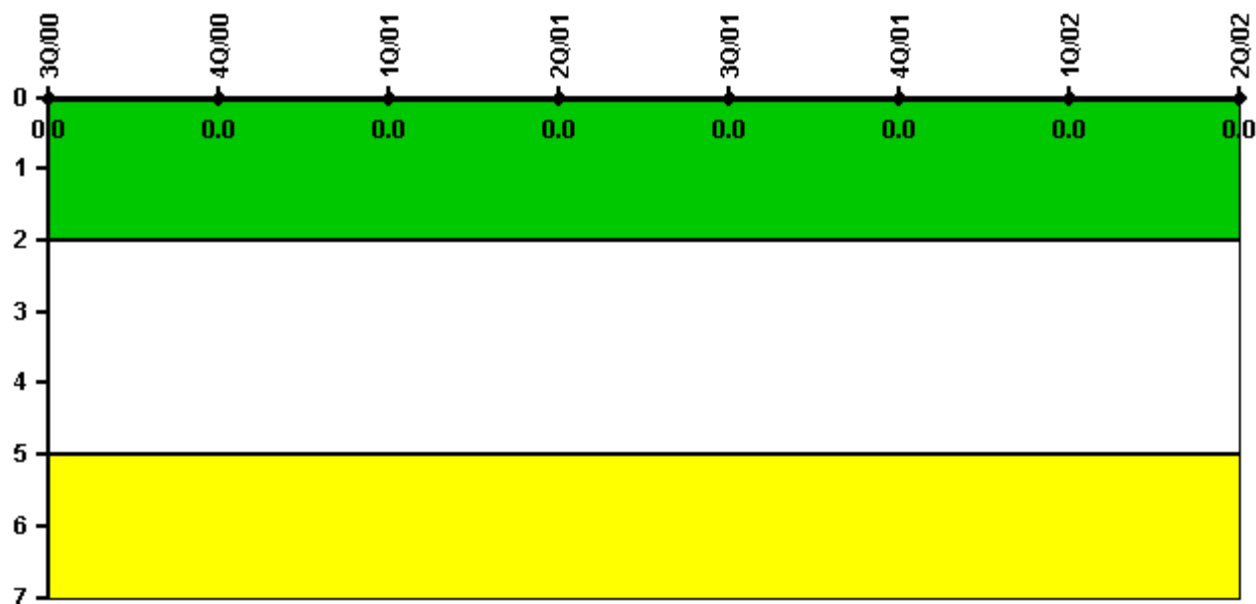
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

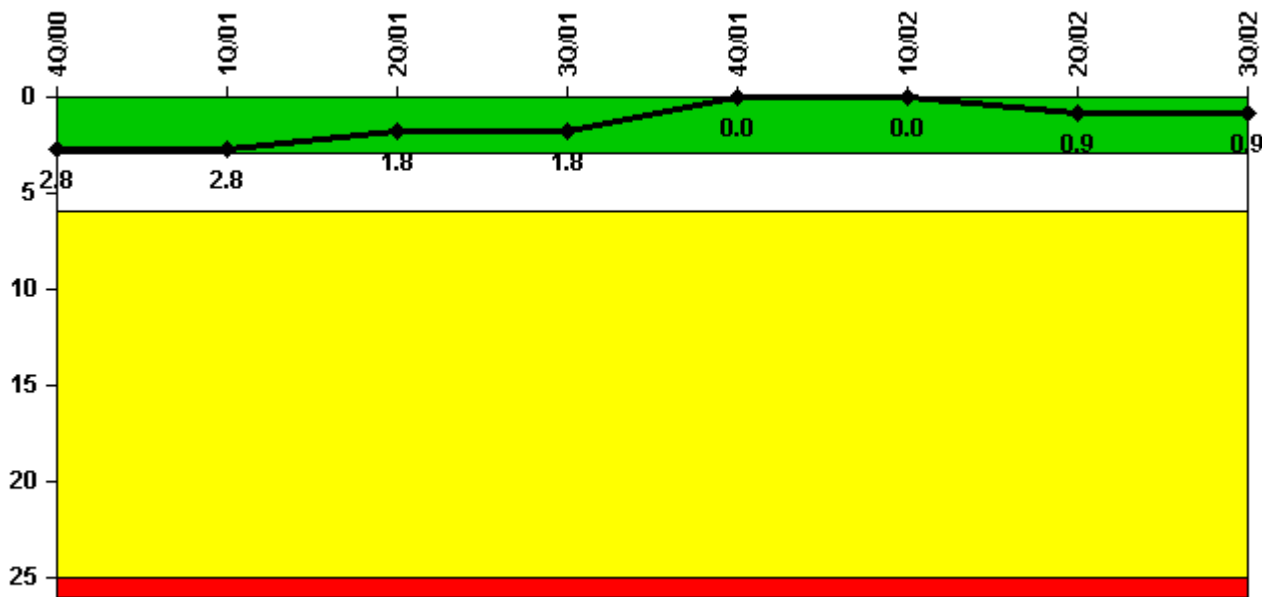
Last Modified: July 31, 2002

Diablo Canyon 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

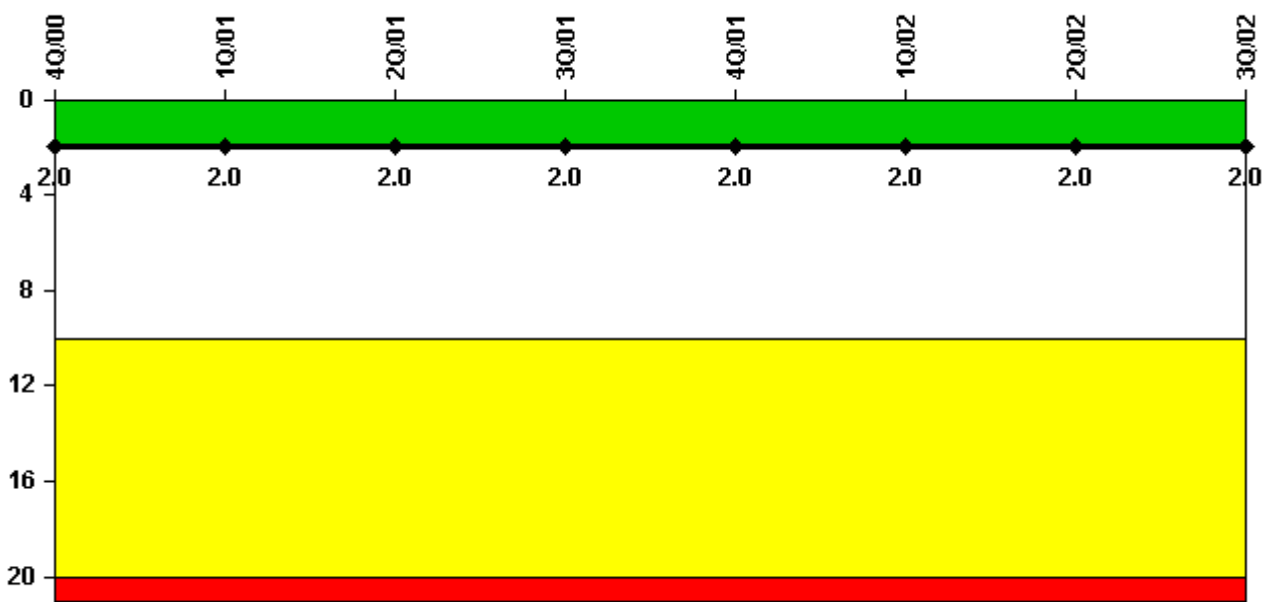
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	2.0	0	0	0	0	0	1.0	0
Critical hours	1299.8	2160.0	2183.0	2208.0	2209.0	2160.0	1467.5	2208.0
Indicator value	2.8	2.8	1.8	1.8	0	0	0.9	0.9

Licensee Comments:

2Q/02: Monthly data inadvertently used instead of Quarterly.

Scrams with Loss of Normal Heat Removal



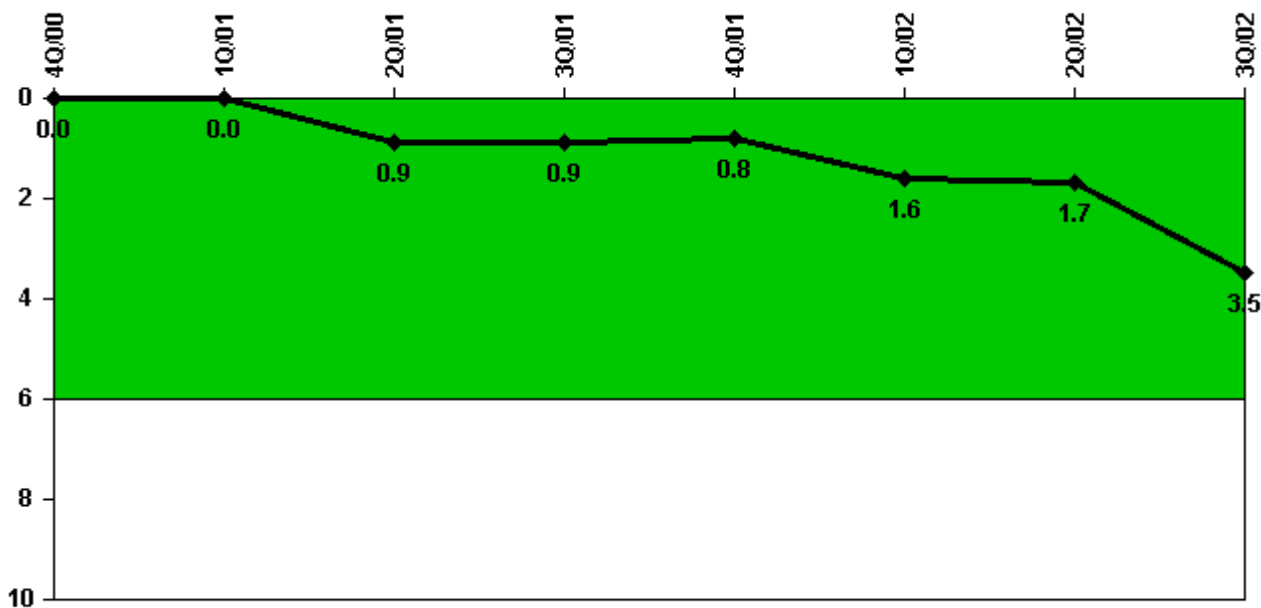
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

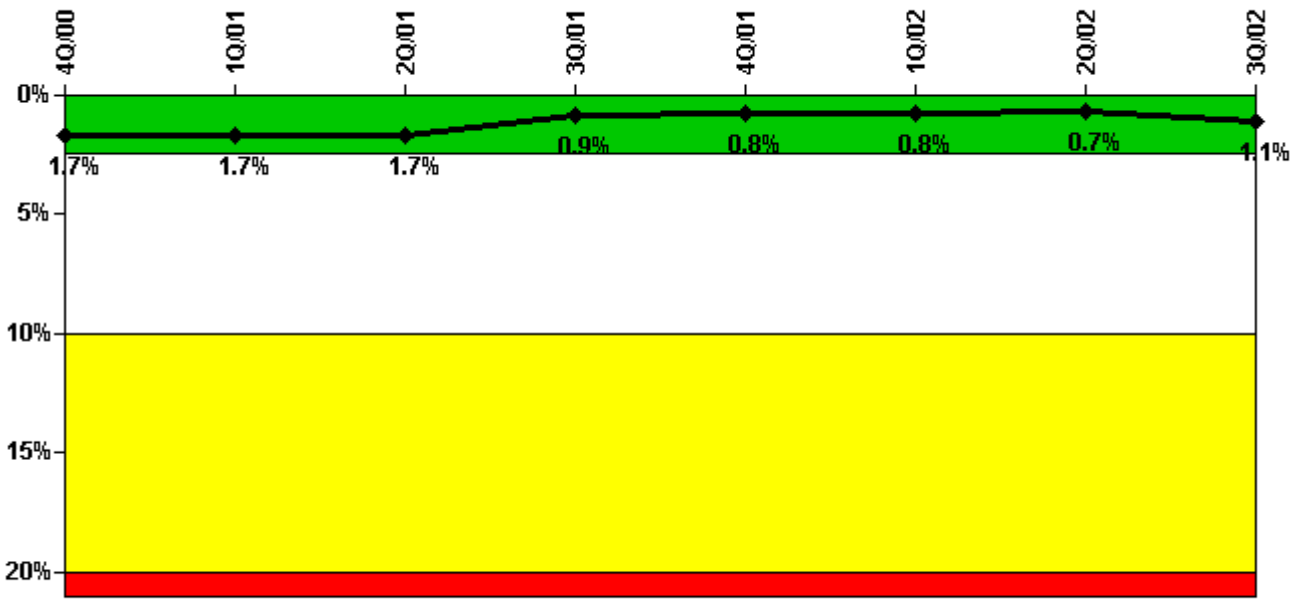
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	0	0	1.0	0	0	1.0	1.0	2.0
Critical hours	1299.8	2160.0	2183.0	2208.0	2209.0	2160.0	1467.5	2208.0
Indicator value	0	0	0.9	0.9	0.8	1.6	1.7	3.5

Licensee Comments:

2Q/02: Monthly data inadvertently used instead of Quarterly.

Safety System Unavailability, Emergency AC Power, >2EDG



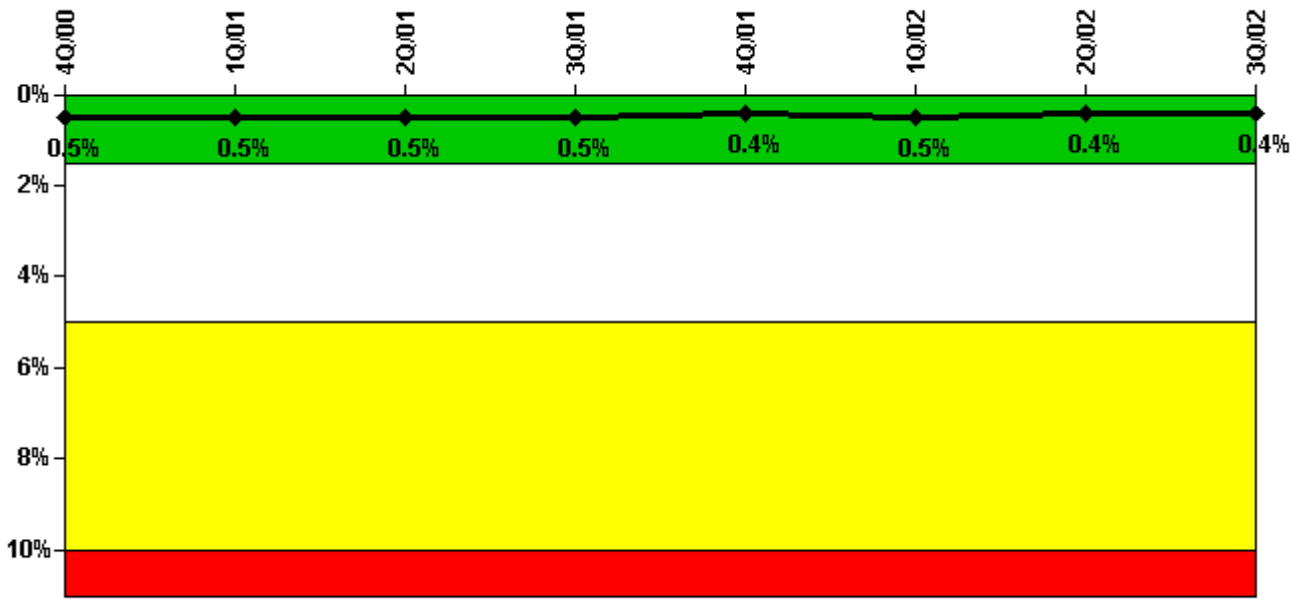
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0.10	0.80	2.30	16.90	0.10	0	4.40	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.10	0.50	1.40	32.20	0.10	0.10	2.20	0
Unplanned unavailable hours	0	50.90	0	0	0	0	11.90	0.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	16.00	0.90	26.60	0.10	0.20	19.90	5.20	0
Unplanned unavailable hours	21.40	14.40	0	0	0	0	2.40	79.00
Fault exposure hours	0	0	0	0	0	0	0	331.00
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.7%	1.7%	1.7%	0.9%	0.8%	0.8%	0.7%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



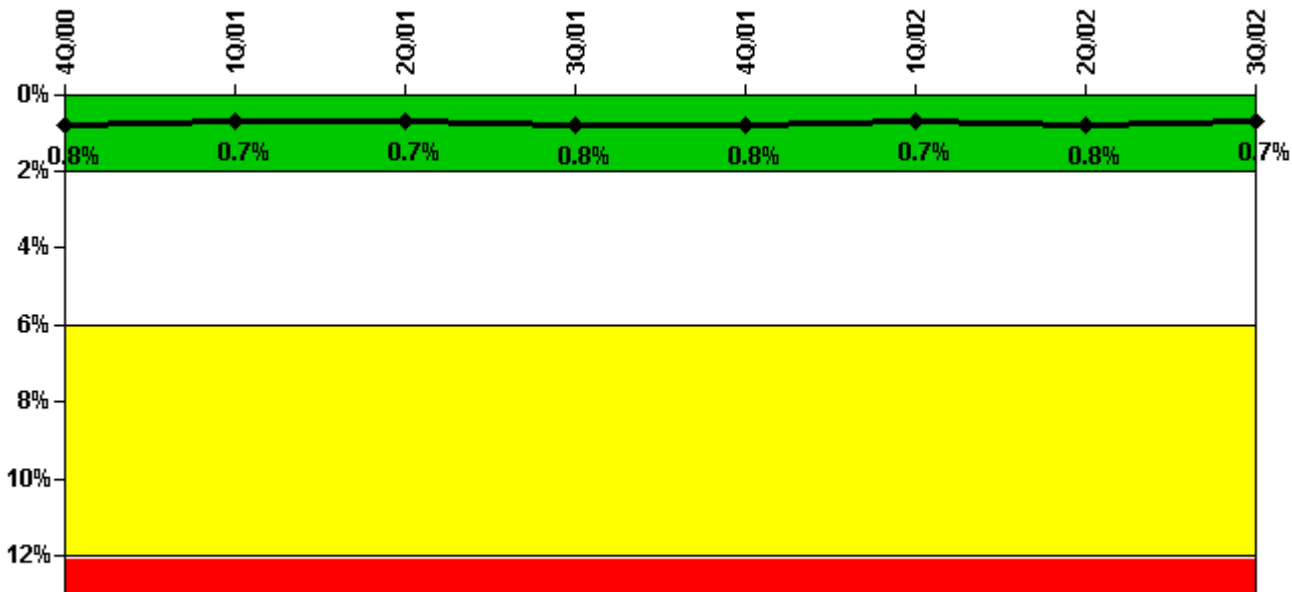
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	4.80	13.40	43.70	0	0	60.30	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00
Train 2								
Planned unavailable hours	6.40	24.90	0	0	18.30	0	0	19.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00
Train 3								
Planned unavailable hours	0.30	1.20	9.82	0.10	0.60	14.71	0.44	19.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00
Train 4								
Planned unavailable hours	11.00	1.20	0.10	12.00	0.30	13.50	0.10	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00
Indicator value	0.5%	0.5%	0.5%	0.5%	0.4%	0.5%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



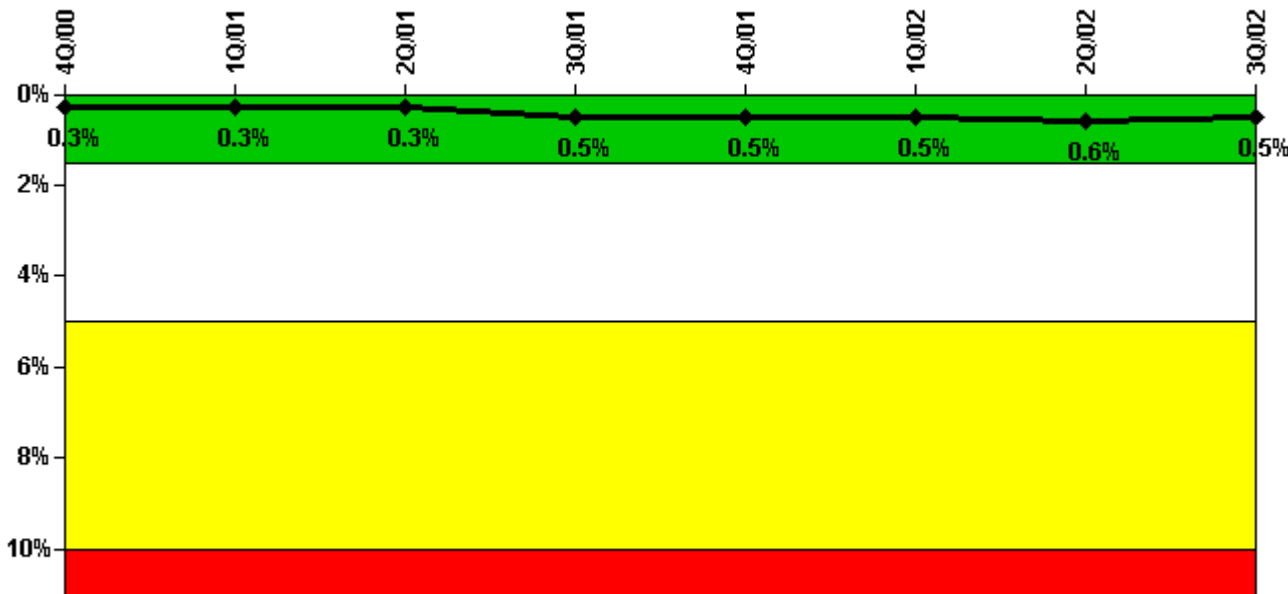
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	47.50	2.50	19.20	7.60	18.50	2.20	33.10	2.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00
Train 2								
Planned unavailable hours	18.70	2.40	4.60	32.20	1.30	1.90	24.20	17.30
Unplanned unavailable hours	35.40	0	0.40	16.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00
Train 3								
Planned unavailable hours	0.50	15.40	0	26.30	1.20	6.00	20.00	16.10
Unplanned unavailable hours	0	0	3.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1299.80	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00
Indicator value	0.8%	0.7%	0.7%	0.8%	0.8%	0.7%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



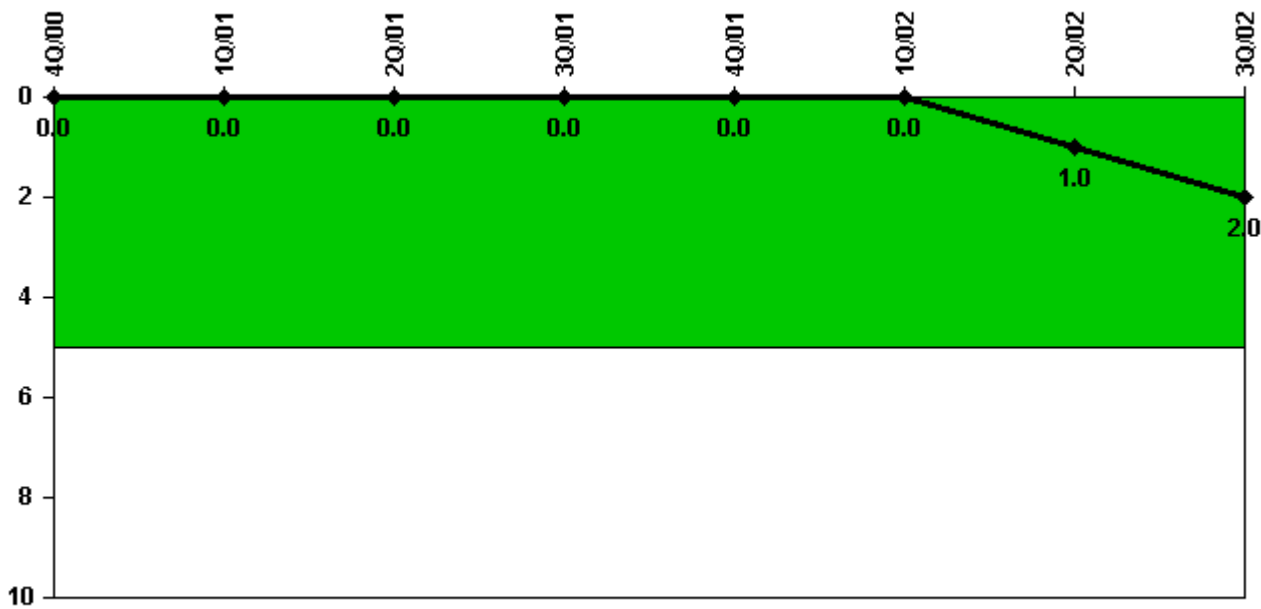
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	13.10	0.90	0.30	11.60	0.90	1.00	47.00	0.60
Unplanned unavailable hours	0	0	0	6.70	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	10.40	0.60	72.10	22.20	13.40	0.20	0.20
Unplanned unavailable hours	0	0	0	9.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.3%	0.3%	0.3%	0.5%	0.5%	0.5%	0.6%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

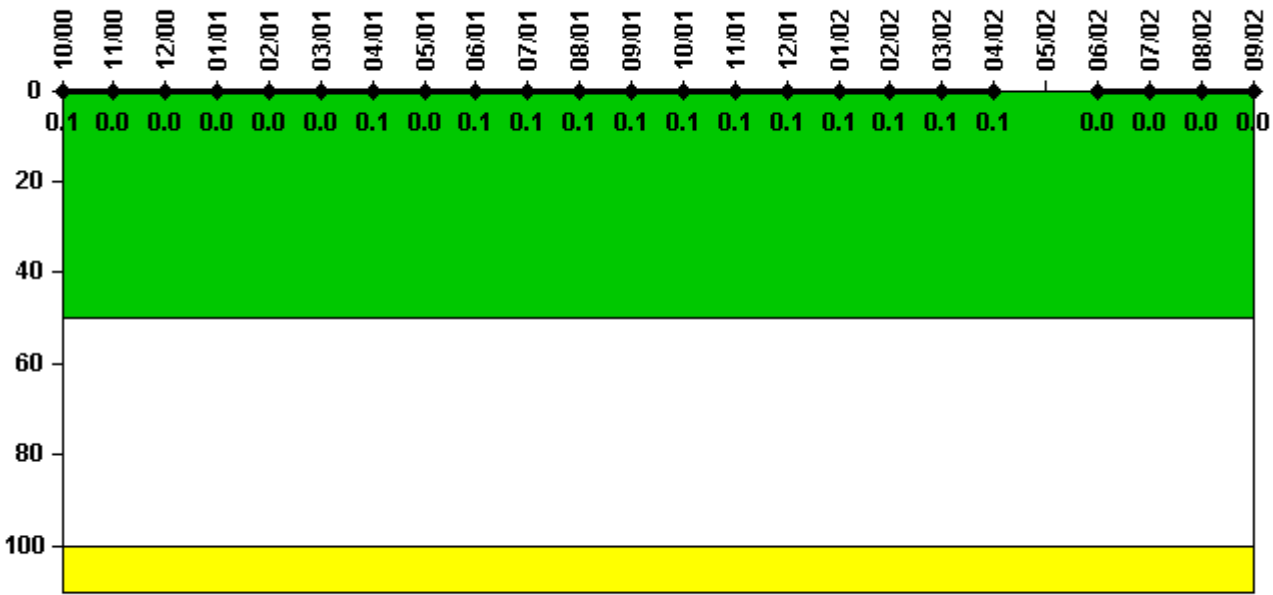
Safety System Functional Failures (PWR)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Safety System Functional Failures	0	0	0	0	0	0	1	1
Indicator value	0	0	0	0	0	0	1	2

Licensee Comments:

3Q/02: LER 1-2002-003 "Unanalyzed Condition due to Heavy Load Movement Over a Restricted Area."

2Q/02: LER 1-2002-001 "Technical Specification Violation due to Non conservative Steam Generator Narrow Range Water Level Instrumentation" was re-reviewed and determined to be an SSFF.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

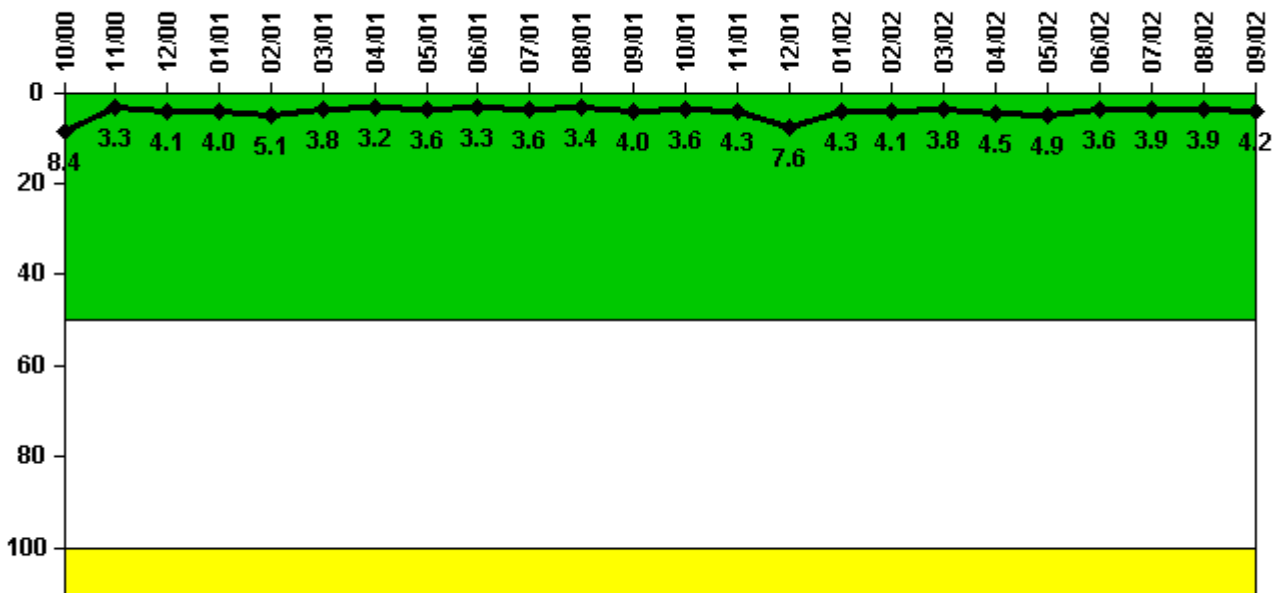
Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000621	0.000222	0.000254	0.000265	0.000285	0.000350	0.000368	0.000340	0.000414	0.000476	0.000631	0.000407
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0	0	0	0	0	0.1	0	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000374	0.000445	0.000424	0.000380	0.000407	0.000480	0.000481	N/A	0.000189	0.000249	0.000230	0.000232
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0	0	0	0

Licensee Comments:

9/02: The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for non-conservatism identified in a vendor's calculation for iodine appearance rates utilized in accident dose analyses. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

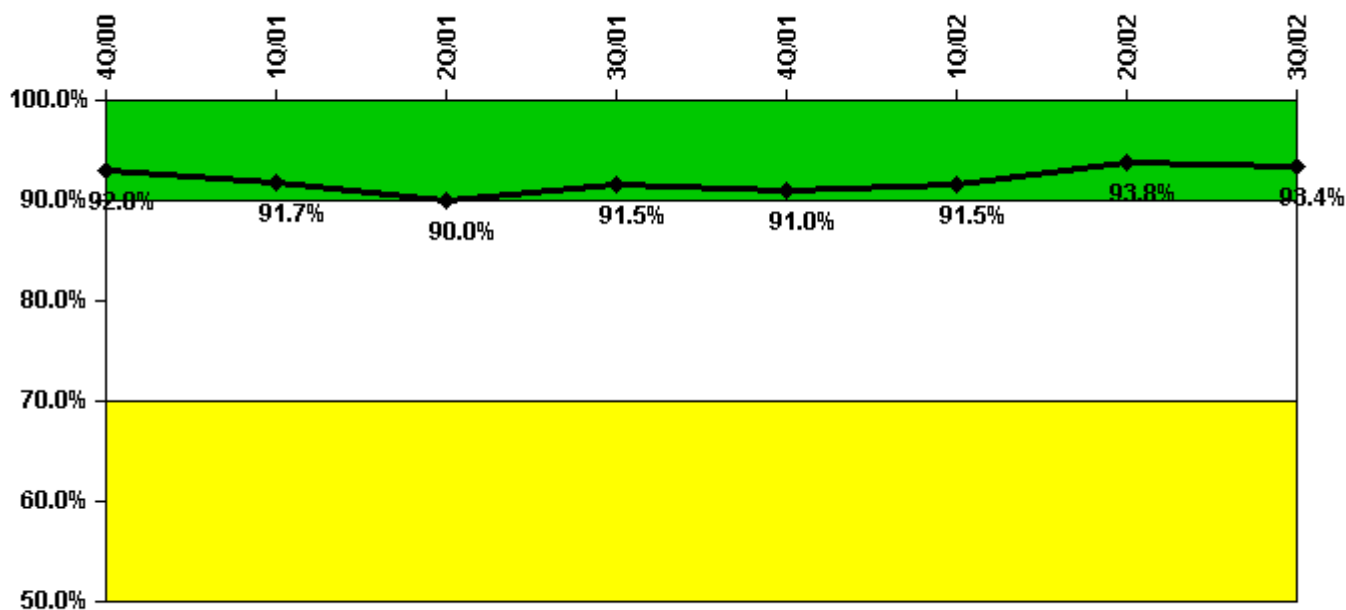
Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.839	0.325	0.405	0.398	0.509	0.379	0.317	0.360	0.327	0.357	0.339	0.395
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	8.4	3.3	4.1	4.0	5.1	3.8	3.2	3.6	3.3	3.6	3.4	4.0

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.364	0.432	0.755	0.428	0.405	0.375	0.450	0.487	0.360	0.390	0.391	0.420
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	3.6	4.3	7.6	4.3	4.1	3.8	4.5	4.9	3.6	3.9	3.9	4.2

Licensee Comments: none

Drill/Exercise Performance



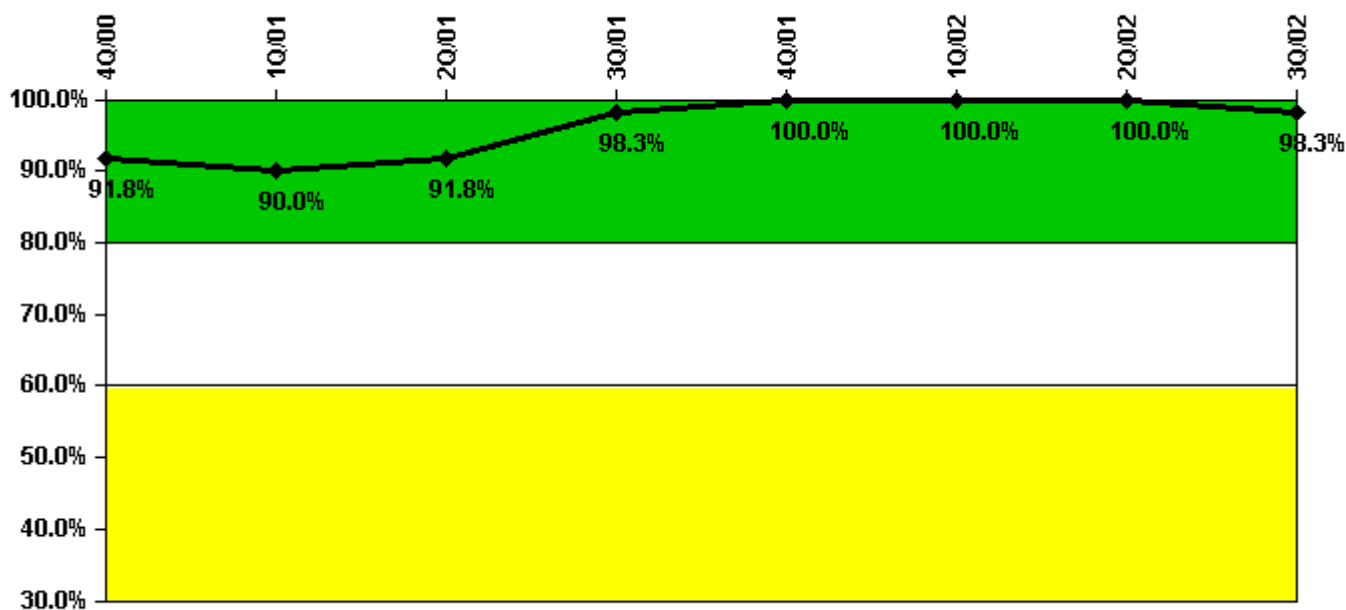
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	10.0	36.0	21.0	23.0	9.0	36.0	25.0	9.0
Total opportunities	10.0	40.0	23.0	23.0	10.0	39.0	25.0	11.0
Indicator value	92.8%	91.7%	90.0%	91.5%	91.0%	91.5%	93.8%	93.4%

Licensee Comments: none

ERO Drill Participation



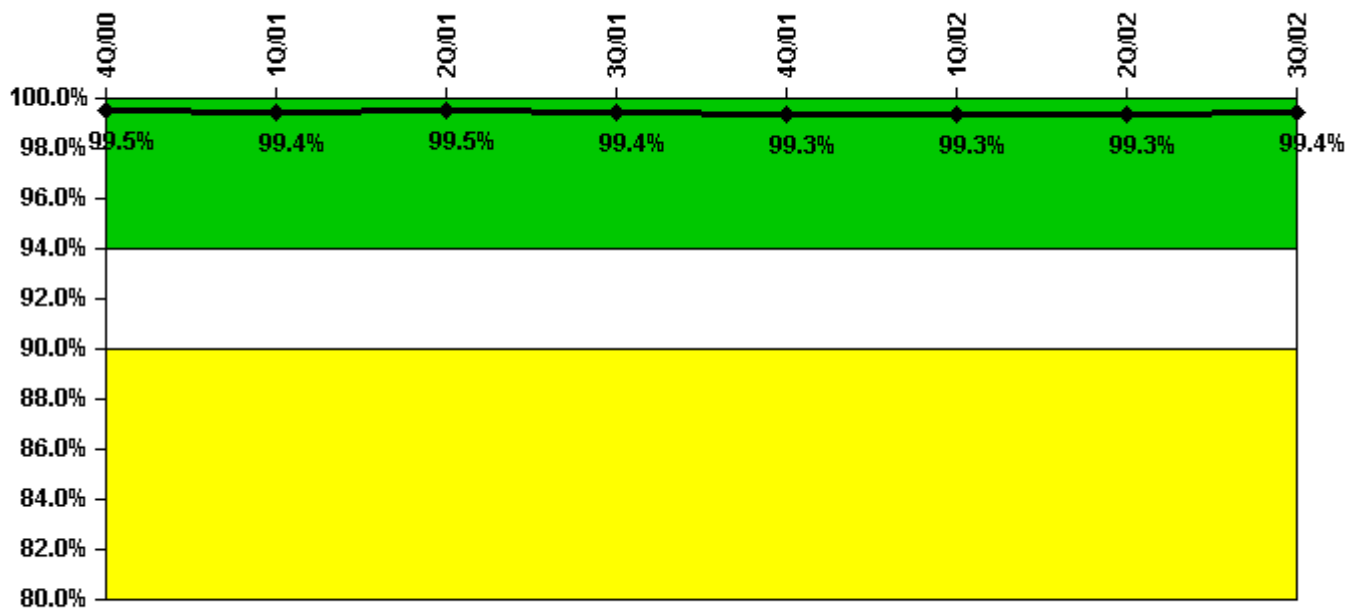
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	56.0	54.0	56.0	59.0	61.0	63.0	61.0	59.0
Total Key personnel	61.0	60.0	61.0	60.0	61.0	63.0	61.0	60.0
Indicator value	91.8%	90.0%	91.8%	98.3%	100.0%	100.0%	100.0%	98.3%

Licensee Comments: none

Alert & Notification System



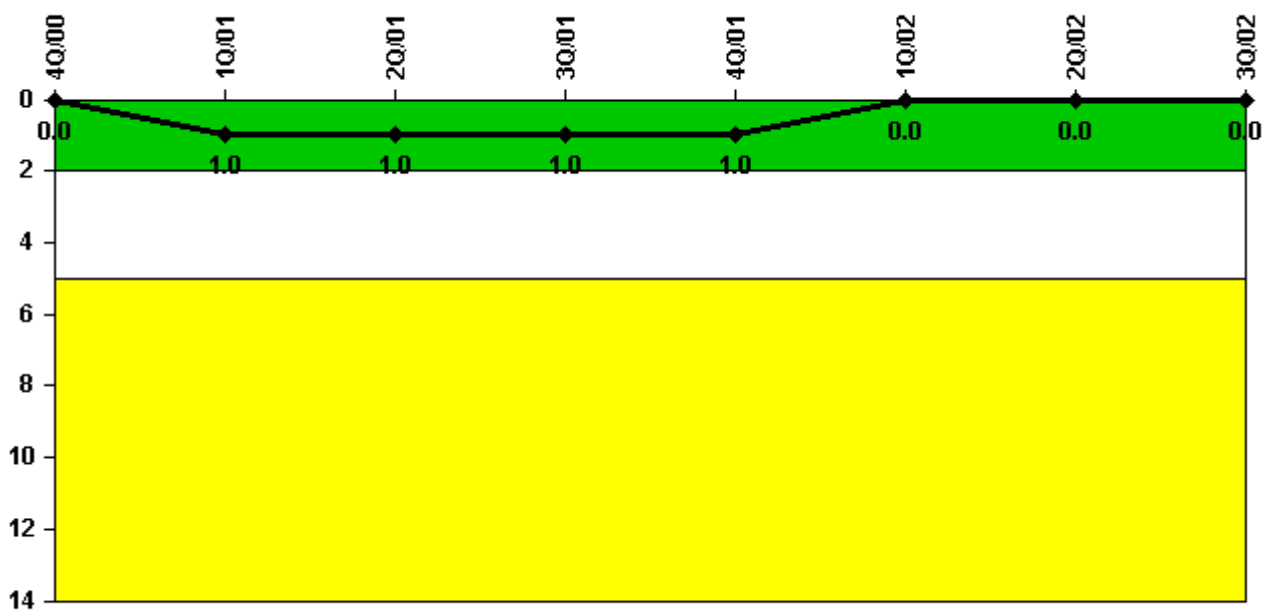
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	1044	909	1043	1171	1039	911	1042	1045
Total sirens-tests	1048	917	1048	1179	1048	917	1048	1048
Indicator value	99.5%	99.4%	99.5%	99.4%	99.3%	99.3%	99.3%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



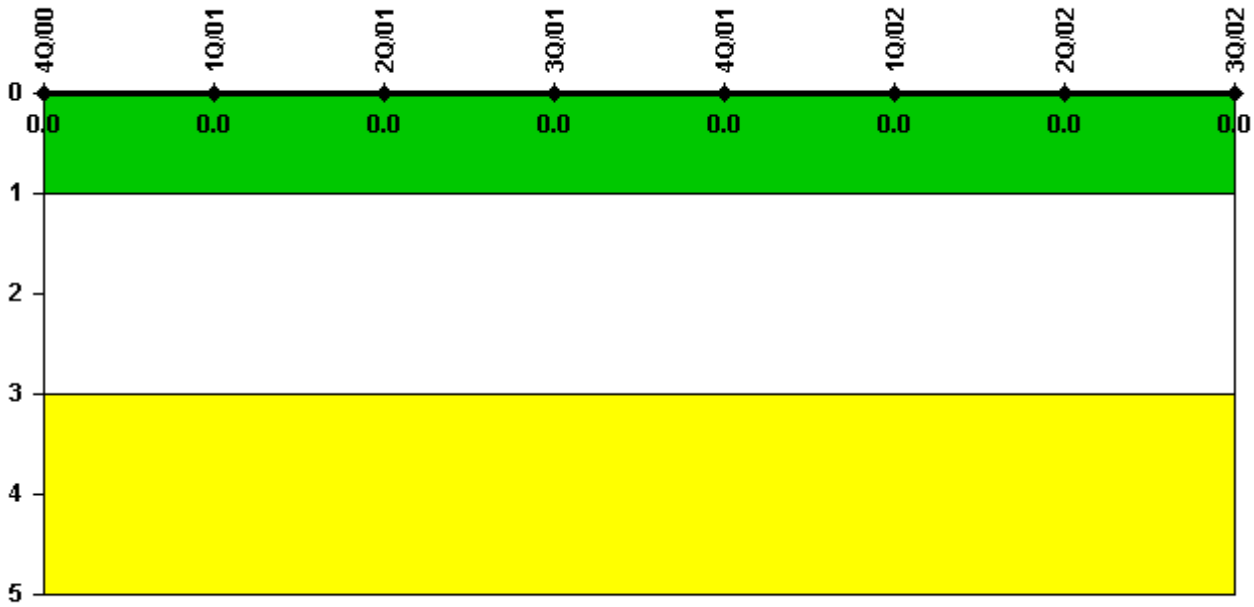
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
High radiation area occurrences	0	1	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	1	1	1	1	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



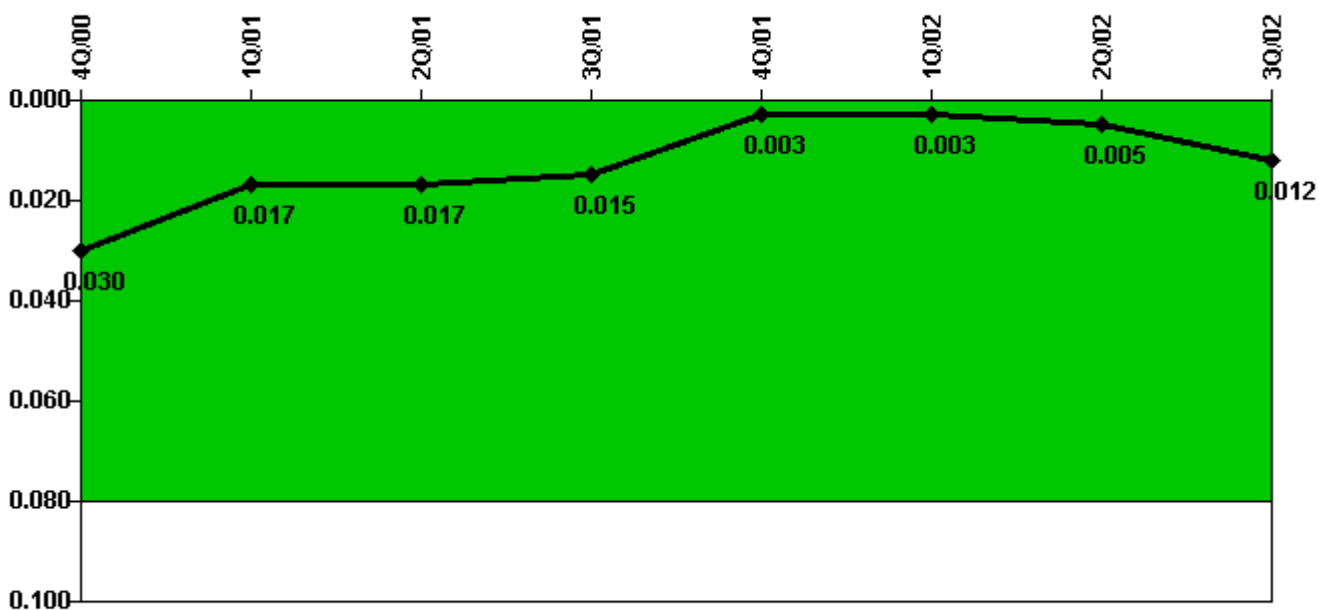
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



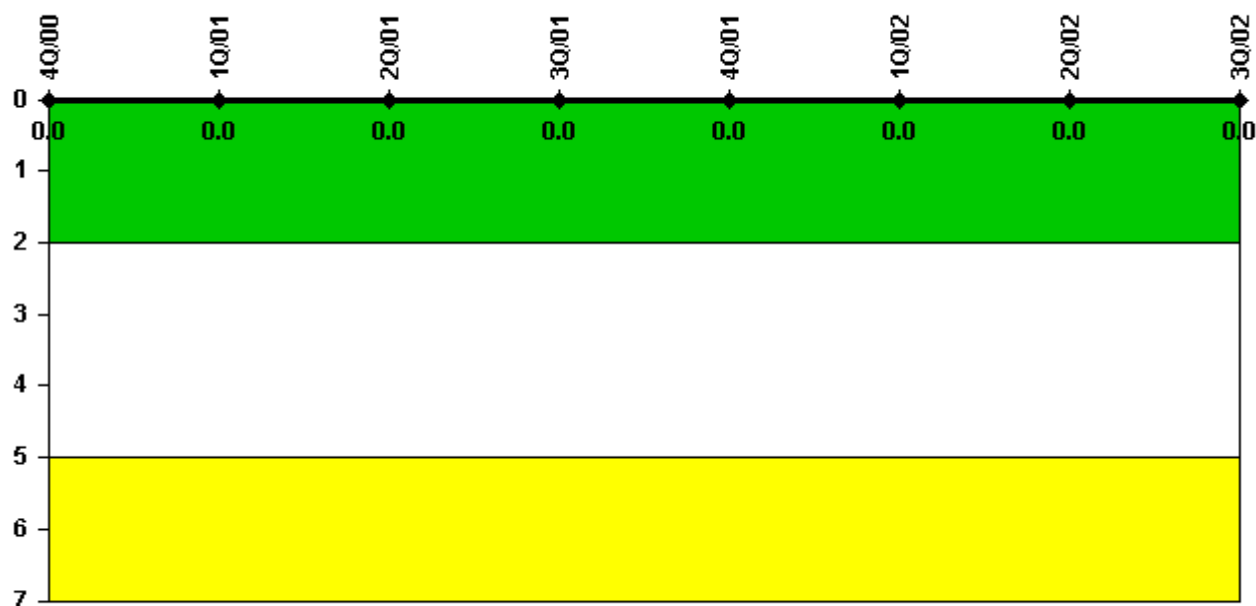
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	31.37	3.87	15.33	24.48	5.90	51.03	79.82	83.58
CCTV compensatory hours	267.1	22.4	2.6	1.8	15.5	0.5	14.2	106.6
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.030	0.017	0.017	0.015	0.003	0.003	0.005	0.012

Licensee Comments: none

Personnel Screening Program



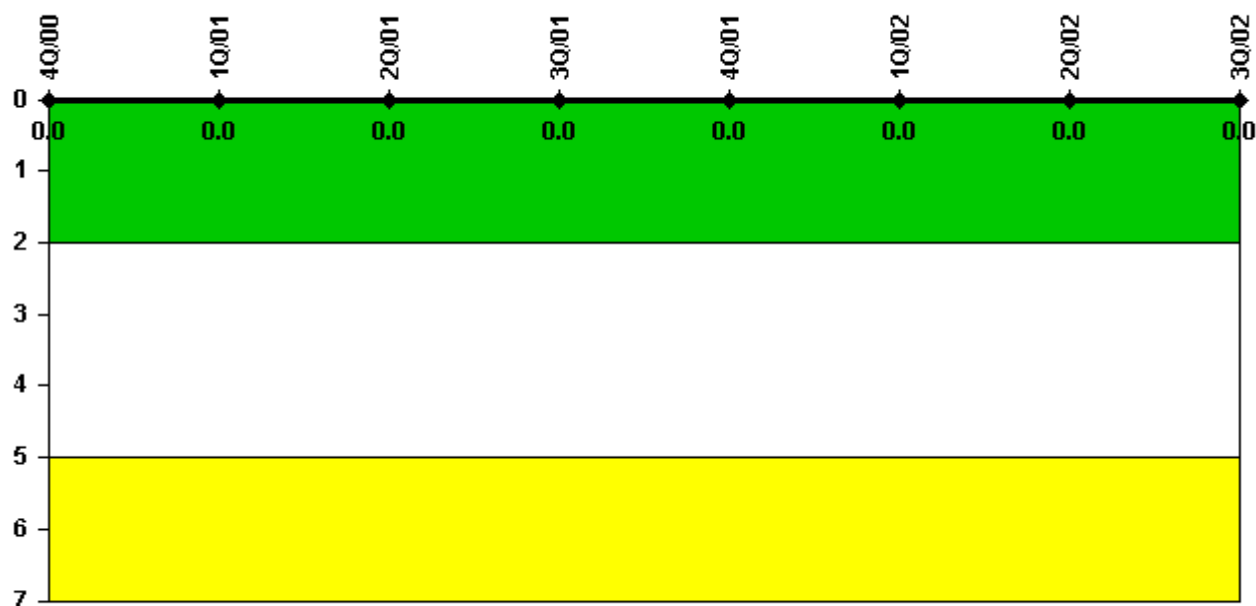
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

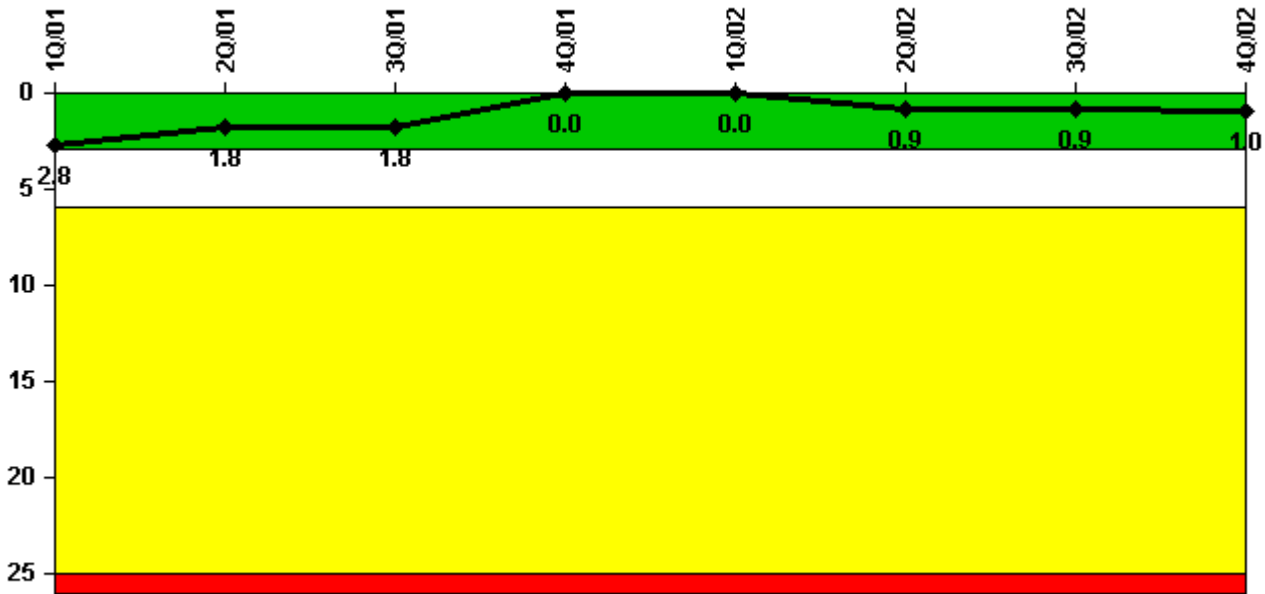
Last Modified: October 22, 2002

Diablo Canyon 1

4Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



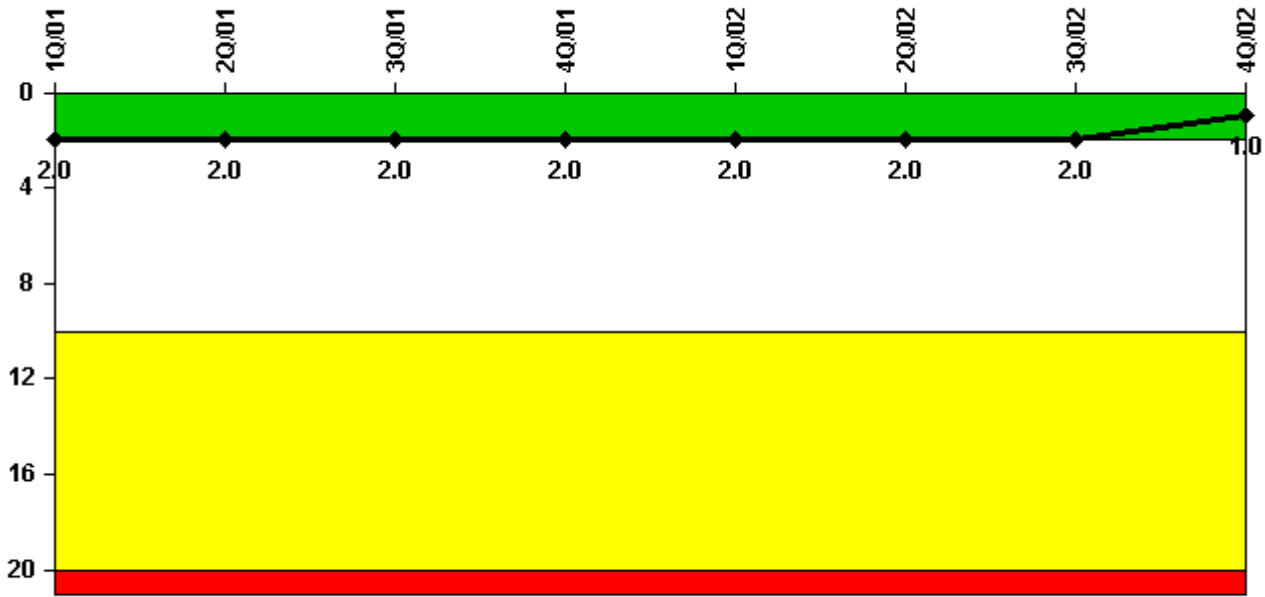
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2160.0	1467.5	2208.0	971.3
Indicator value	2.8	1.8	1.8	0	0	0.9	0.9	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



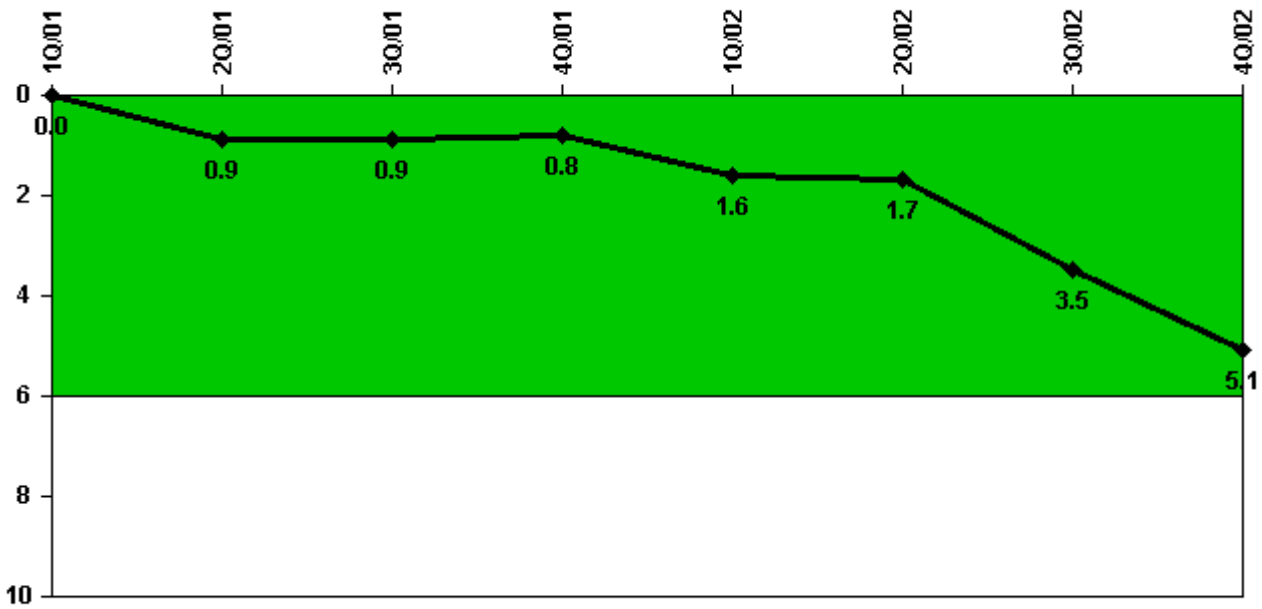
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



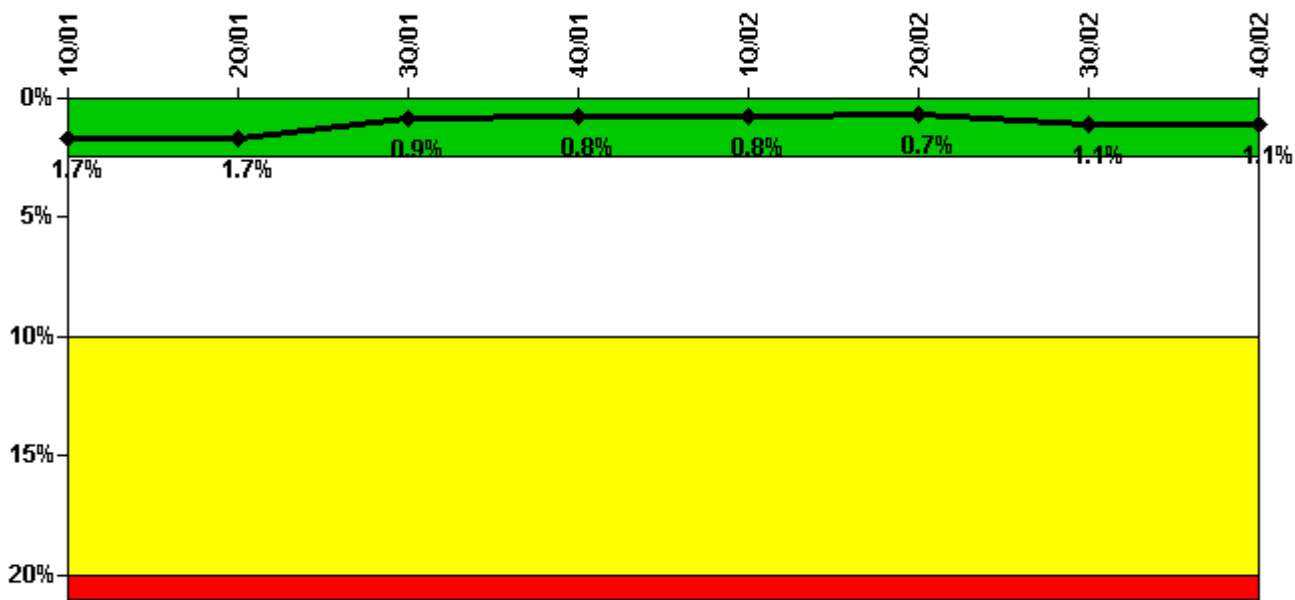
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	1.0	0	0	1.0	1.0	2.0	1.0
Critical hours	2160.0	2183.0	2208.0	2209.0	2160.0	1467.5	2208.0	971.3
Indicator value	0	0.9	0.9	0.8	1.6	1.7	3.5	5.1

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



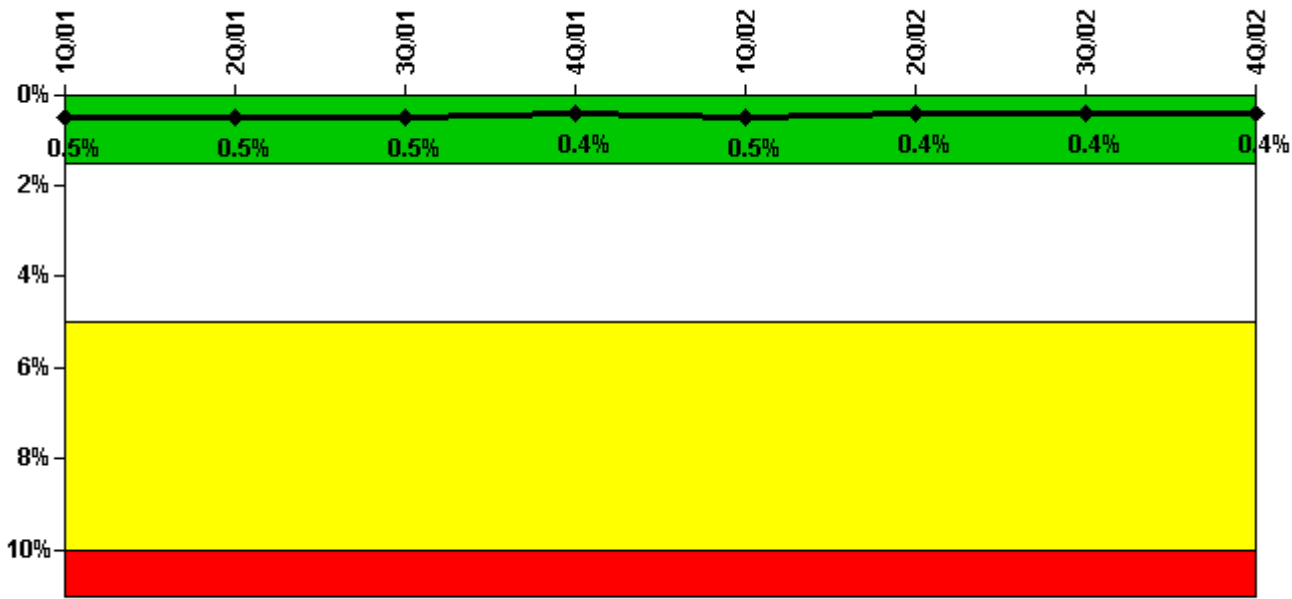
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0.80	2.30	16.90	0.10	0	4.40	0	13.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.50	1.40	32.20	0.10	0.10	2.20	0	18.00
Unplanned unavailable hours	50.90	0	0	0	0	11.90	0.10	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	0.90	26.60	0.10	0.20	19.90	5.20	0	0
Unplanned unavailable hours	14.40	0	0	0	0	2.40	79.00	0
Fault exposure hours	0	0	0	0	0	0	331.00	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.7%	1.7%	0.9%	0.8%	0.8%	0.7%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



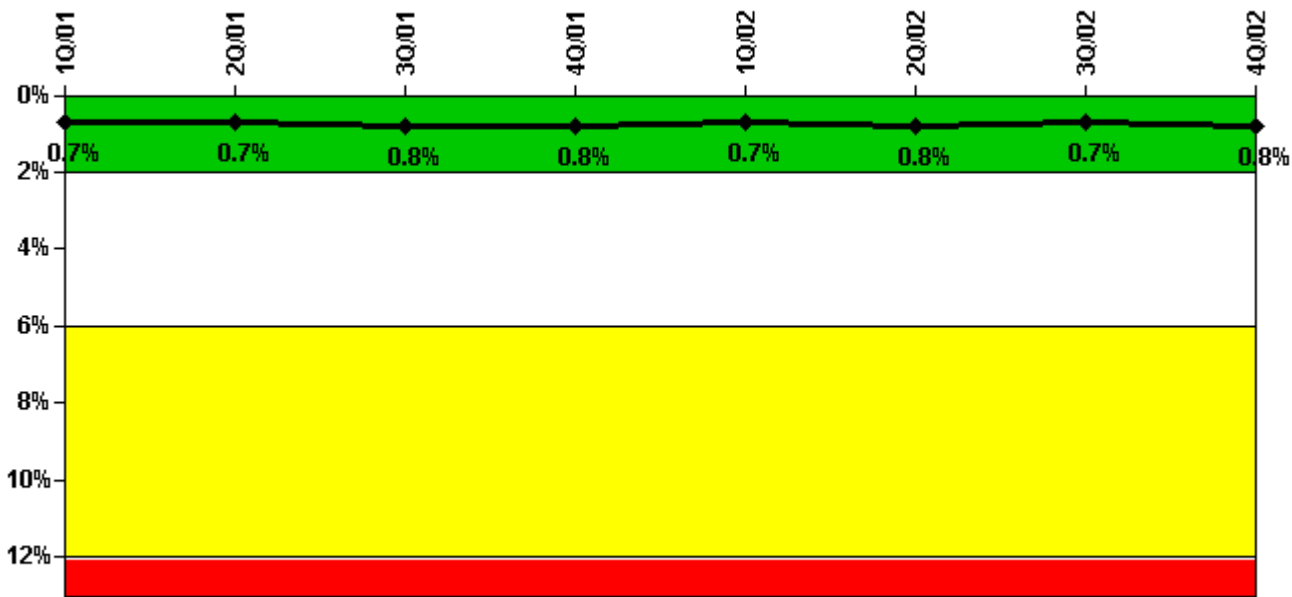
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	13.40	43.70	0	0	60.30	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30
Train 2								
Planned unavailable hours	24.90	0	0	18.30	0	0	19.00	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30
Train 3								
Planned unavailable hours	1.20	9.82	0.10	0.60	14.71	0.44	19.50	0.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30
Train 4								
Planned unavailable hours	1.20	0.10	12.00	0.30	13.50	0.10	0	0.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30
Indicator value	0.5%	0.5%	0.5%	0.4%	0.5%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



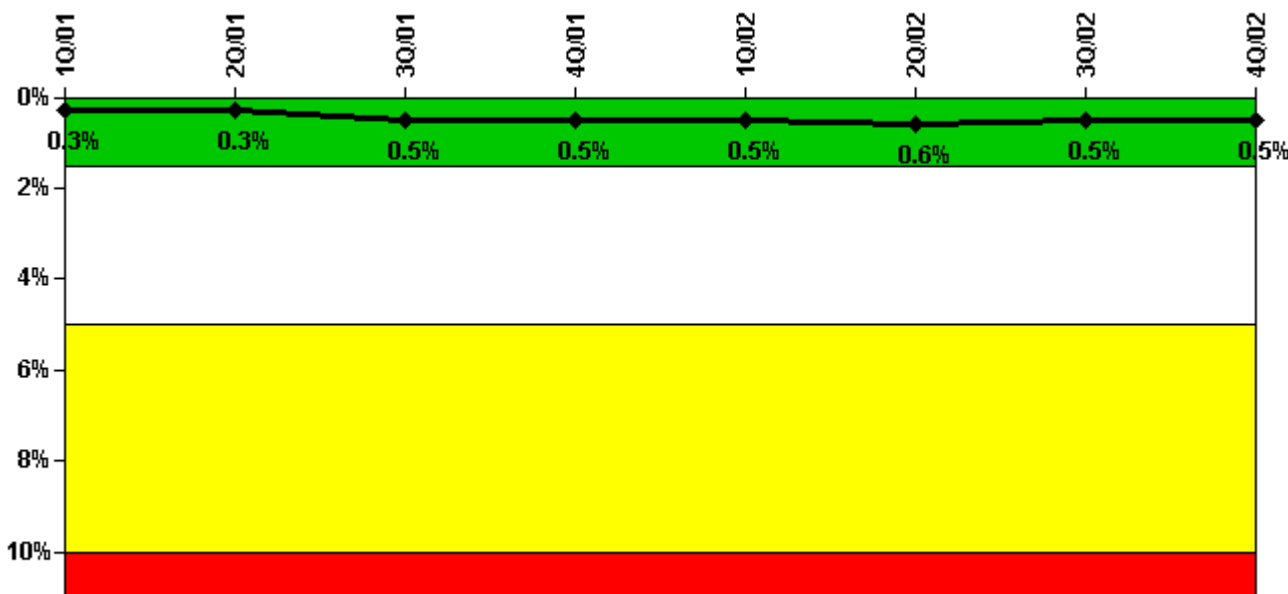
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	2.50	19.20	7.60	18.50	2.20	33.10	2.90	22.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30
Train 2								
Planned unavailable hours	2.40	4.60	32.20	1.30	1.90	24.20	17.30	19.10
Unplanned unavailable hours	0	0.40	16.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30
Train 3								
Planned unavailable hours	15.40	0	26.30	1.20	6.00	20.00	16.10	0
Unplanned unavailable hours	0	3.20	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30
Indicator value	0.7%	0.7%	0.8%	0.8%	0.7%	0.8%	0.7%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



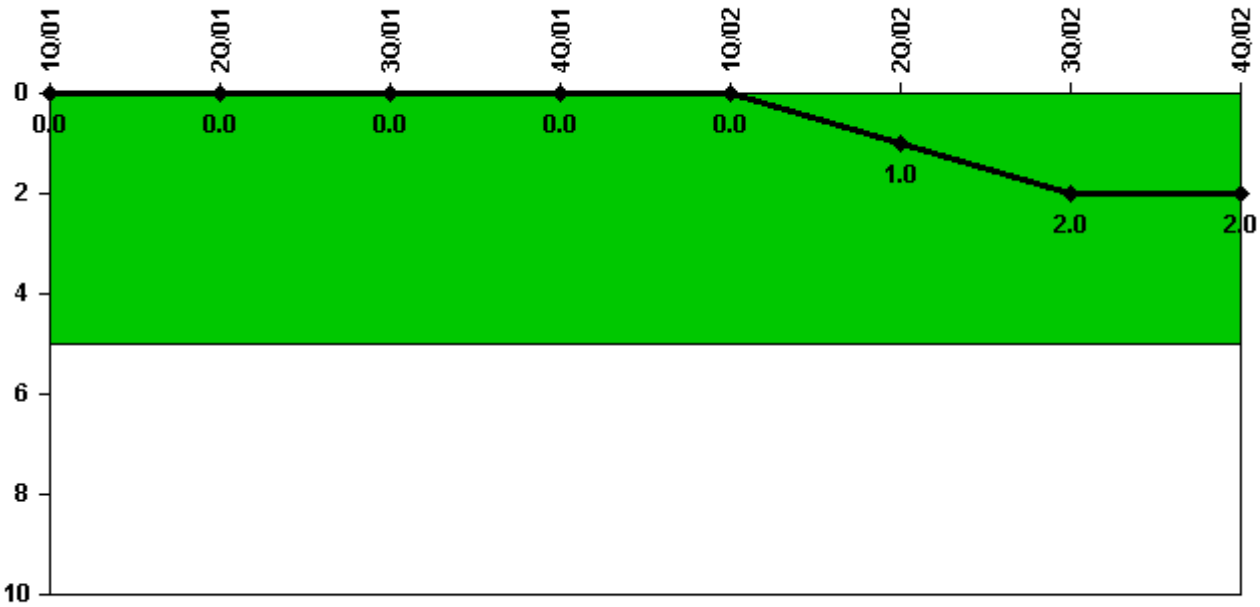
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0.90	0.30	11.60	0.90	1.00	47.00	0.60	0.70
Unplanned unavailable hours	0	0	6.70	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	10.40	0.60	72.10	22.20	13.40	0.20	0.20	0
Unplanned unavailable hours	0	0	9.50	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.3%	0.3%	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



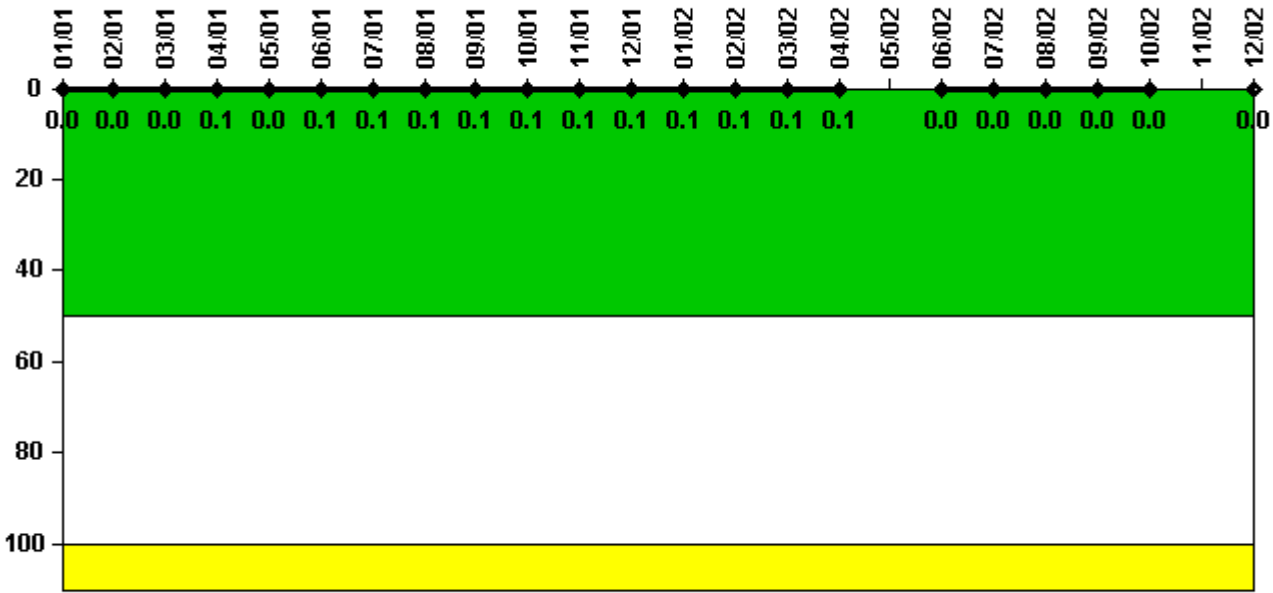
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Safety System Functional Failures	0	0	0	0	0	1	1	0
Indicator value	0	0	0	0	0	1	2	2

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

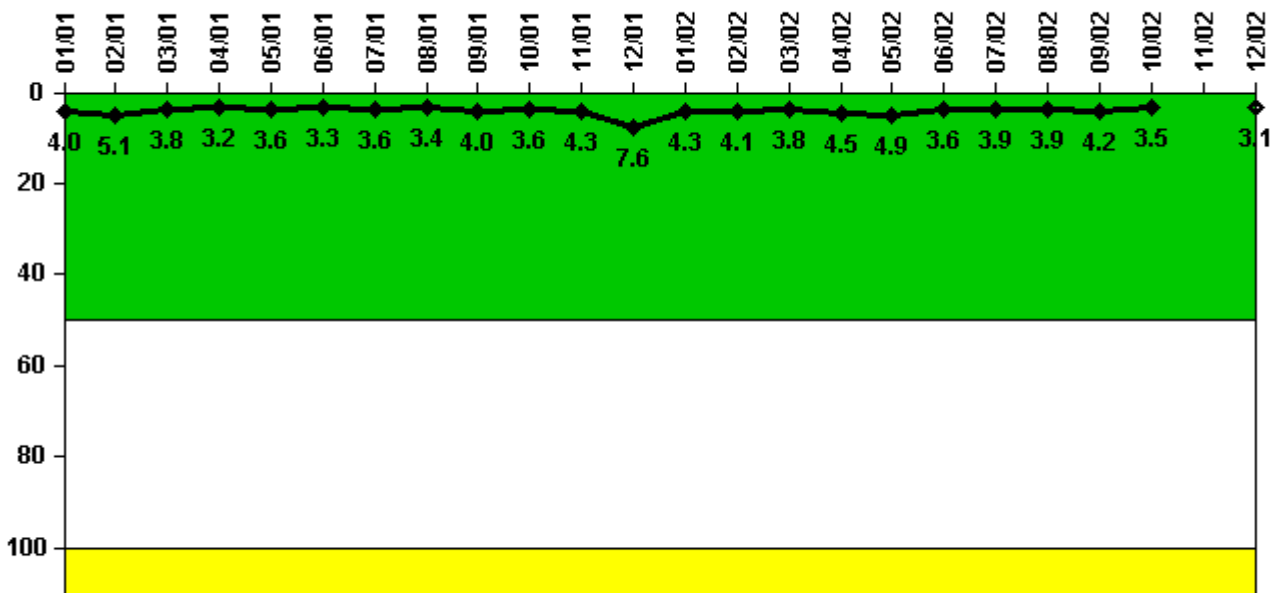
Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000265	0.000285	0.000350	0.000368	0.000340	0.000414	0.000476	0.000631	0.000407	0.000374	0.000445	0.000424
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000380	0.000407	0.000480	0.000481	N/A	0.000189	0.000249	0.000230	0.000232	0.000321	N/A	0.000229
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0.1	0.1	0.1	N/A	0	0	0	0	0	N/A	0

Licensee Comments:

12/02: Unit 1 was shutdown the entire month of November 2002. The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for non-conservatisms identified in a vendor's calculation for iodine appearance rates utilized in accident dose analysis. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

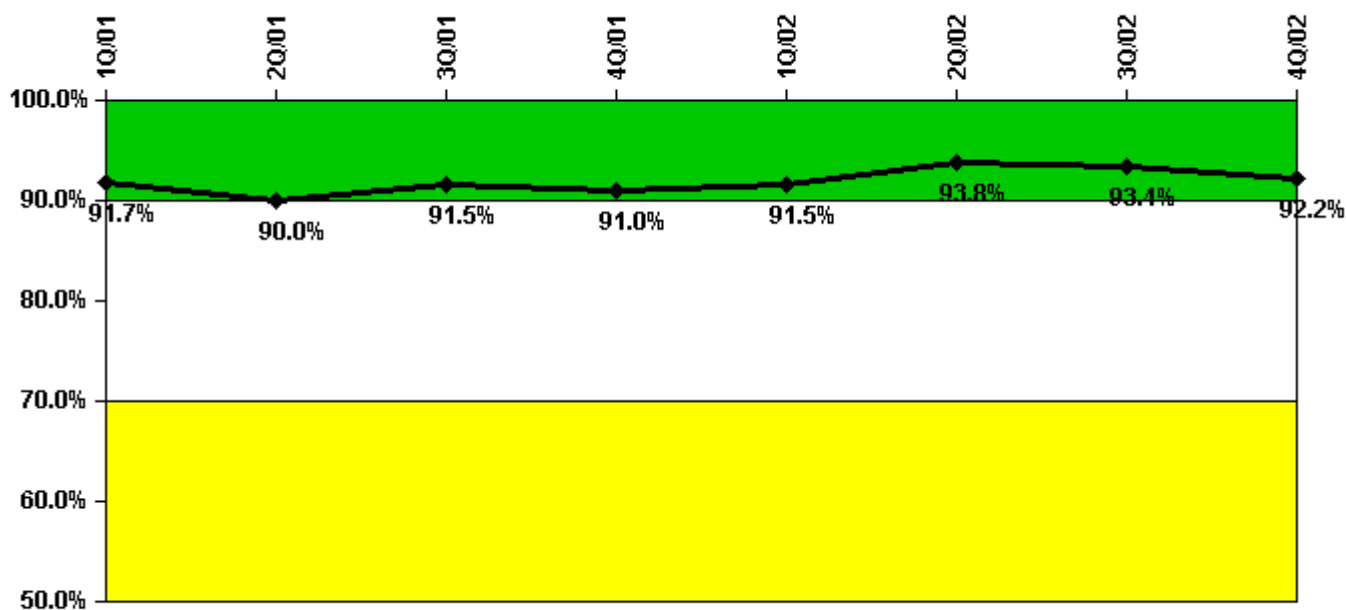
Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0.398	0.509	0.379	0.317	0.360	0.327	0.357	0.339	0.395	0.364	0.432	0.755
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.0	5.1	3.8	3.2	3.6	3.3	3.6	3.4	4.0	3.6	4.3	7.6

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.428	0.405	0.375	0.450	0.487	0.360	0.390	0.391	0.420	0.348		0.305
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	4.3	4.1	3.8	4.5	4.9	3.6	3.9	3.9	4.2	3.5		3.1

Licensee Comments:

12/02: No tests run in November due to Main Generator Outage (1G12)

Drill/Exercise Performance



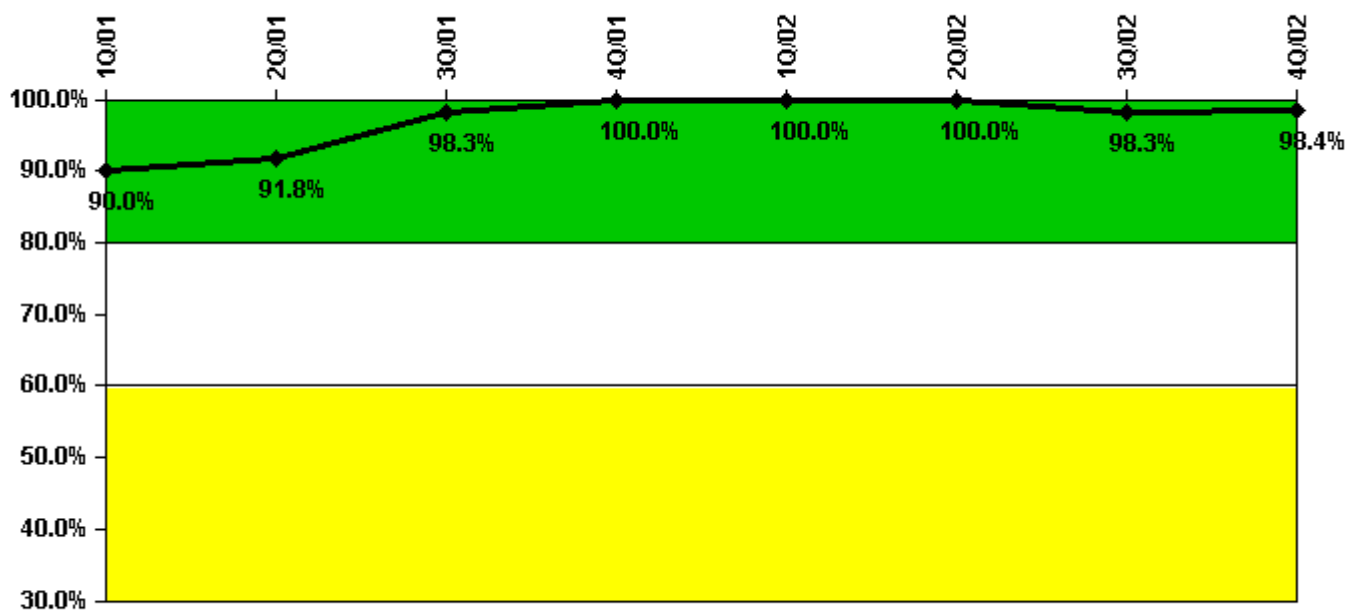
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	36.0	21.0	23.0	9.0	36.0	25.0	9.0	19.0
Total opportunities	40.0	23.0	23.0	10.0	39.0	25.0	11.0	22.0
Indicator value	91.7%	90.0%	91.5%	91.0%	91.5%	93.8%	93.4%	92.2%

Licensee Comments: none

ERO Drill Participation



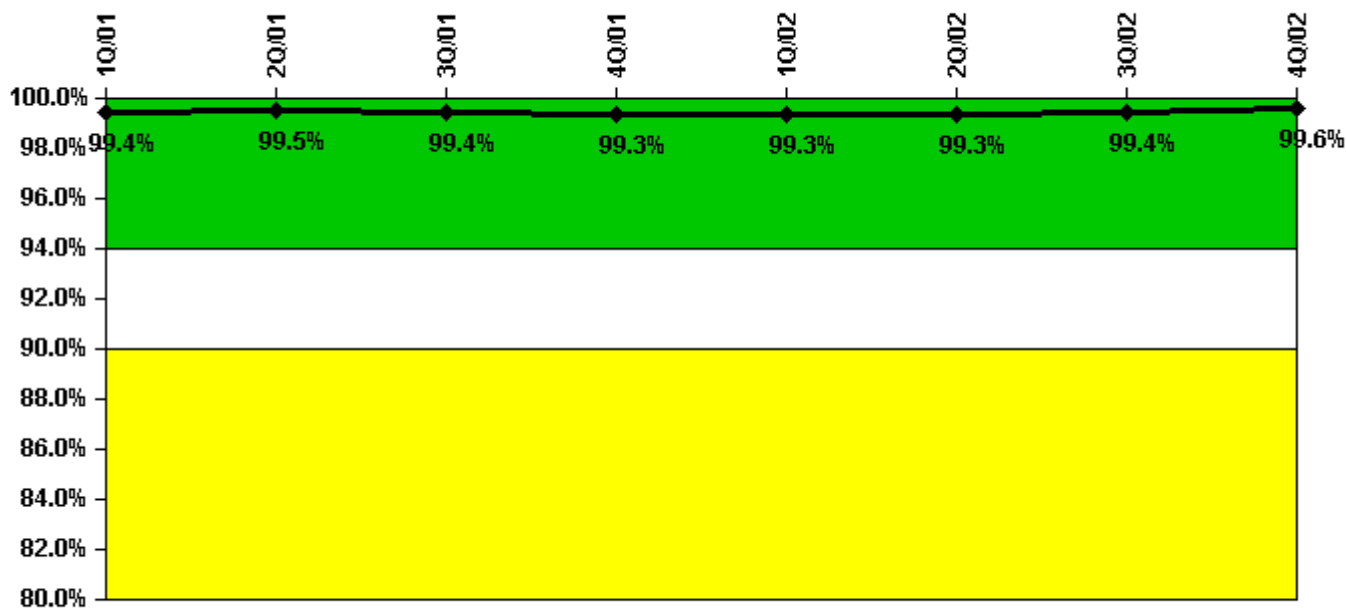
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	54.0	56.0	59.0	61.0	63.0	61.0	59.0	60.0
Total Key personnel	60.0	61.0	60.0	61.0	63.0	61.0	60.0	61.0
Indicator value	90.0%	91.8%	98.3%	100.0%	100.0%	100.0%	98.3%	98.4%

Licensee Comments: none

Alert & Notification System



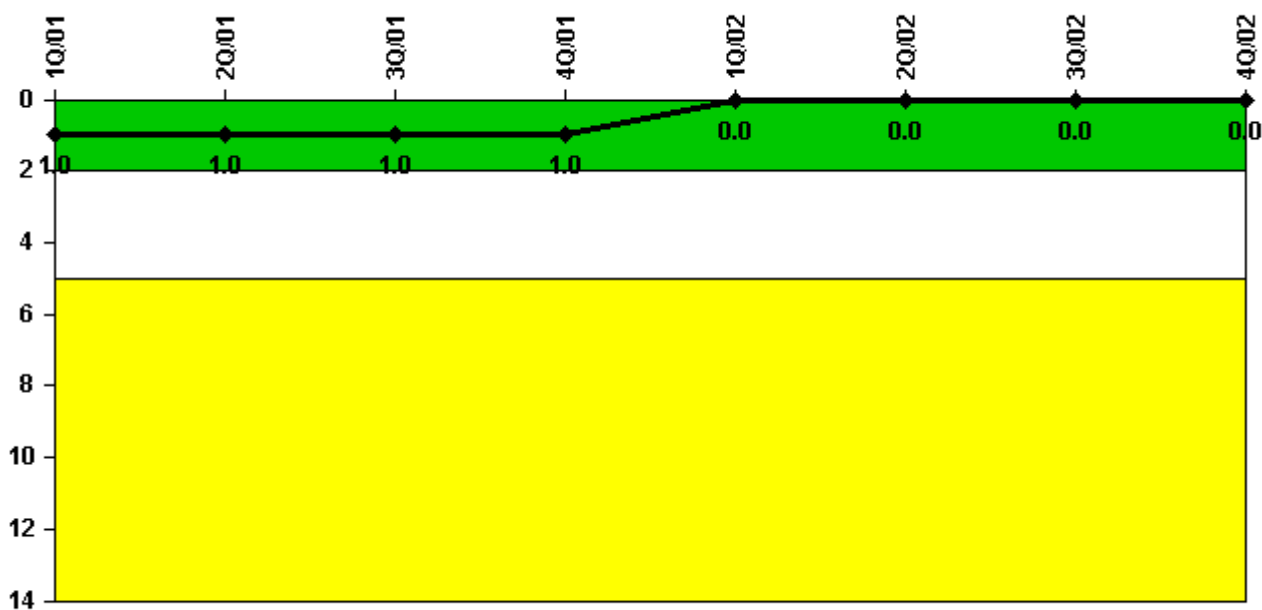
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	909	1043	1171	1039	911	1042	1045	1047
Total sirens-tests	917	1048	1179	1048	917	1048	1048	1048
Indicator value	99.4%	99.5%	99.4%	99.3%	99.3%	99.3%	99.4%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



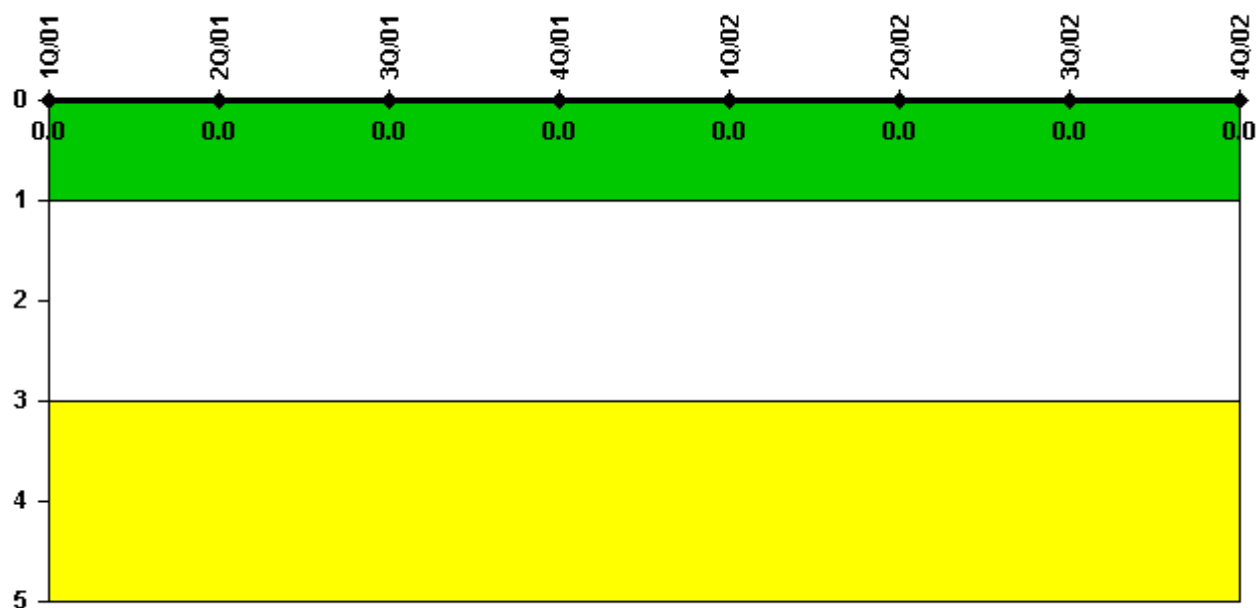
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
High radiation area occurrences	1	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	1	1	1	1	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



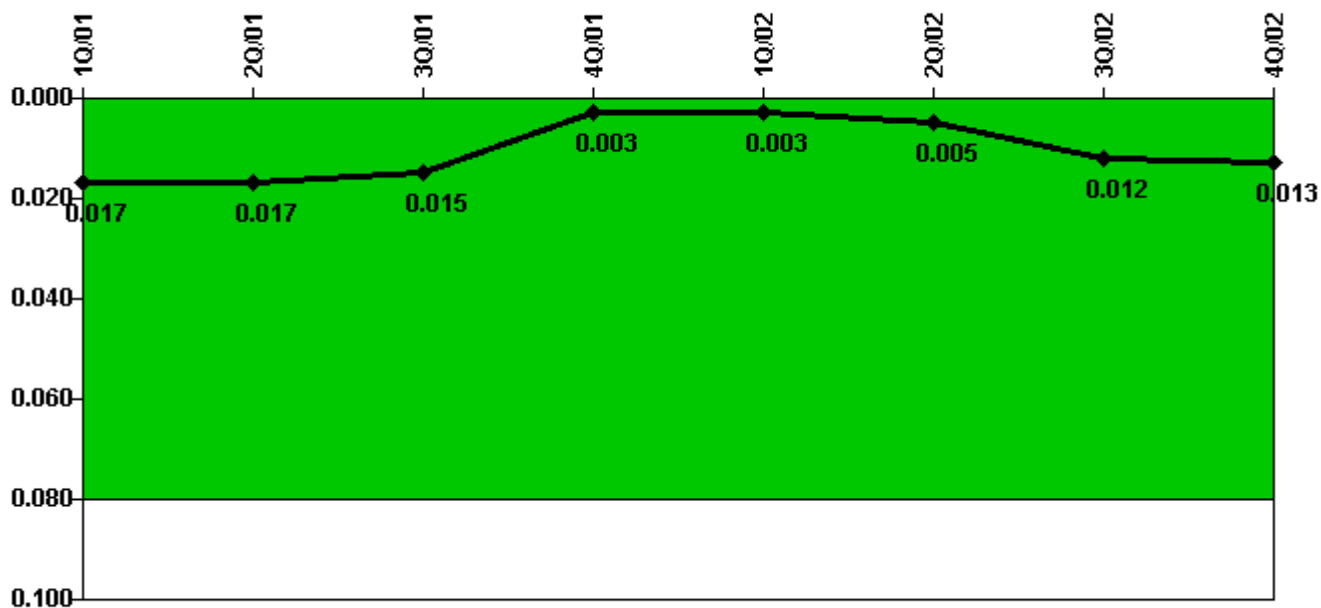
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



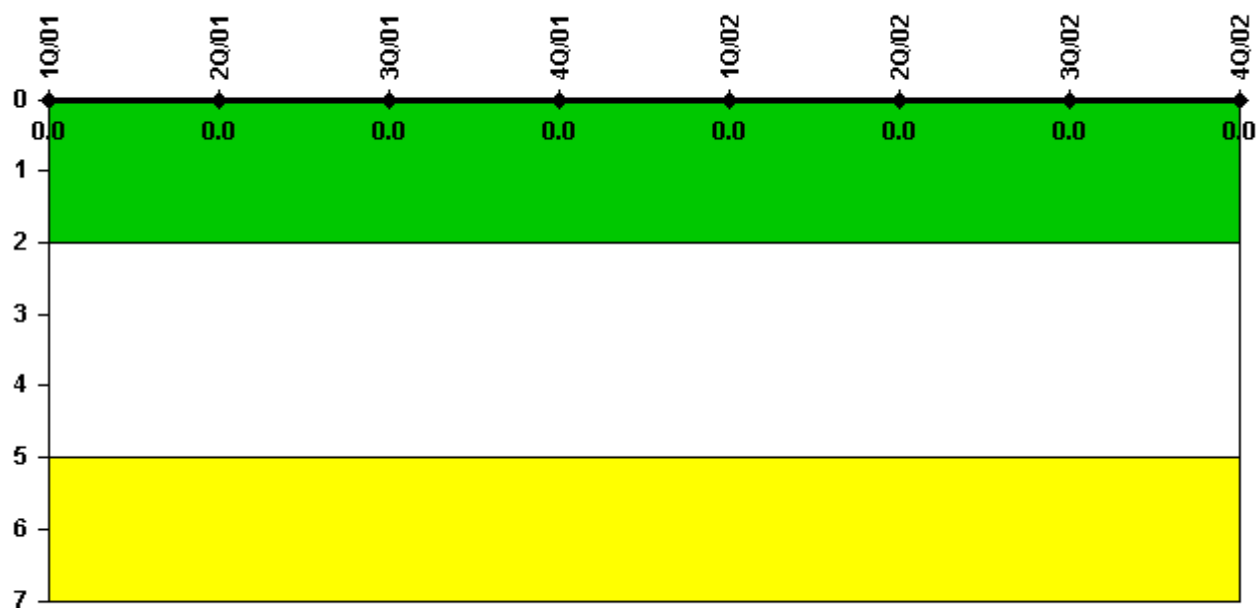
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
IDS compensatory hours	3.87	15.33	24.48	5.90	51.03	79.82	83.58	24.92
CCTV compensatory hours	22.4	2.6	1.8	15.5	0.5	14.2	106.6	32.7
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.017	0.017	0.015	0.003	0.003	0.005	0.012	0.013

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

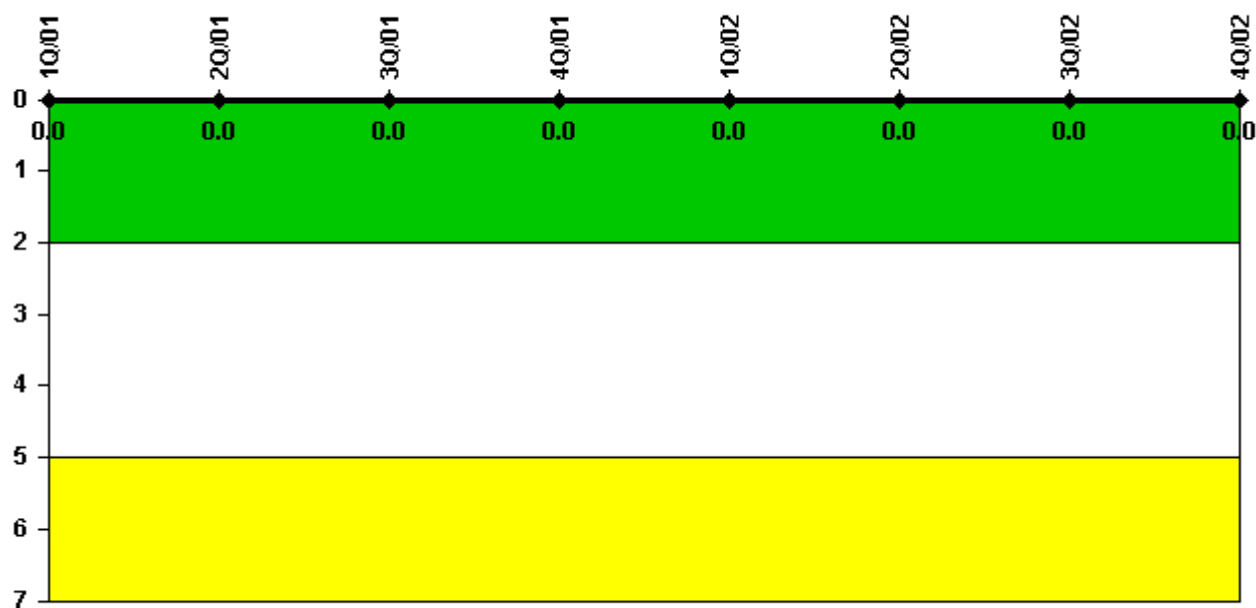
Notes

Personnel Screening Program	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

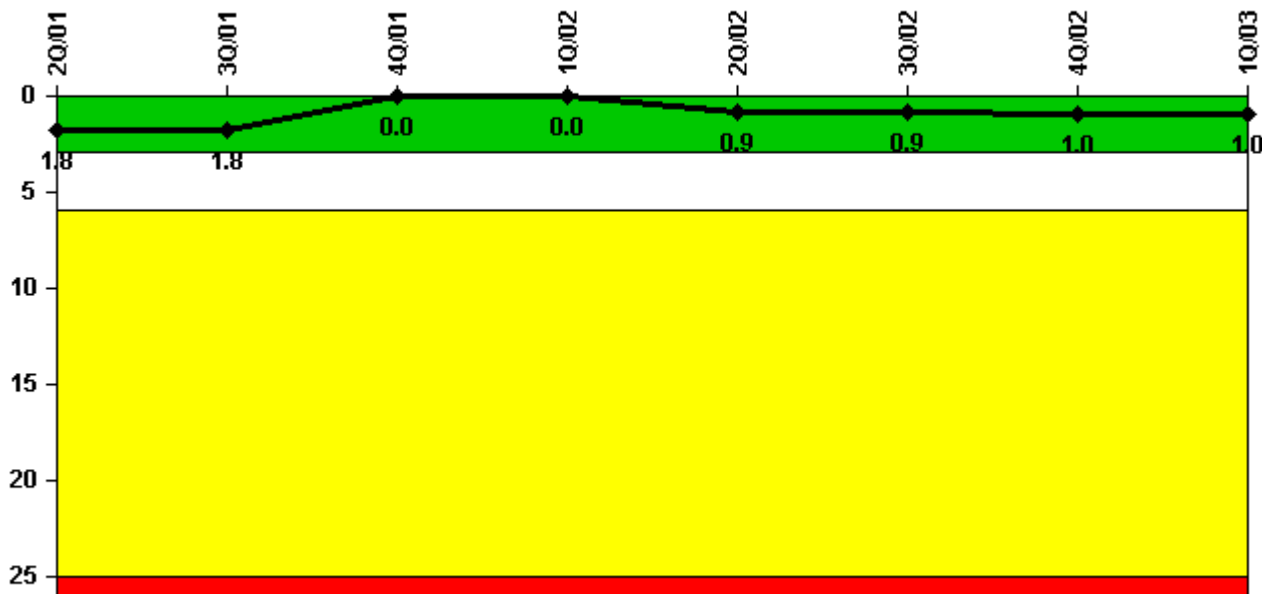
Last Modified: January 30, 2003

Diablo Canyon 1

1Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



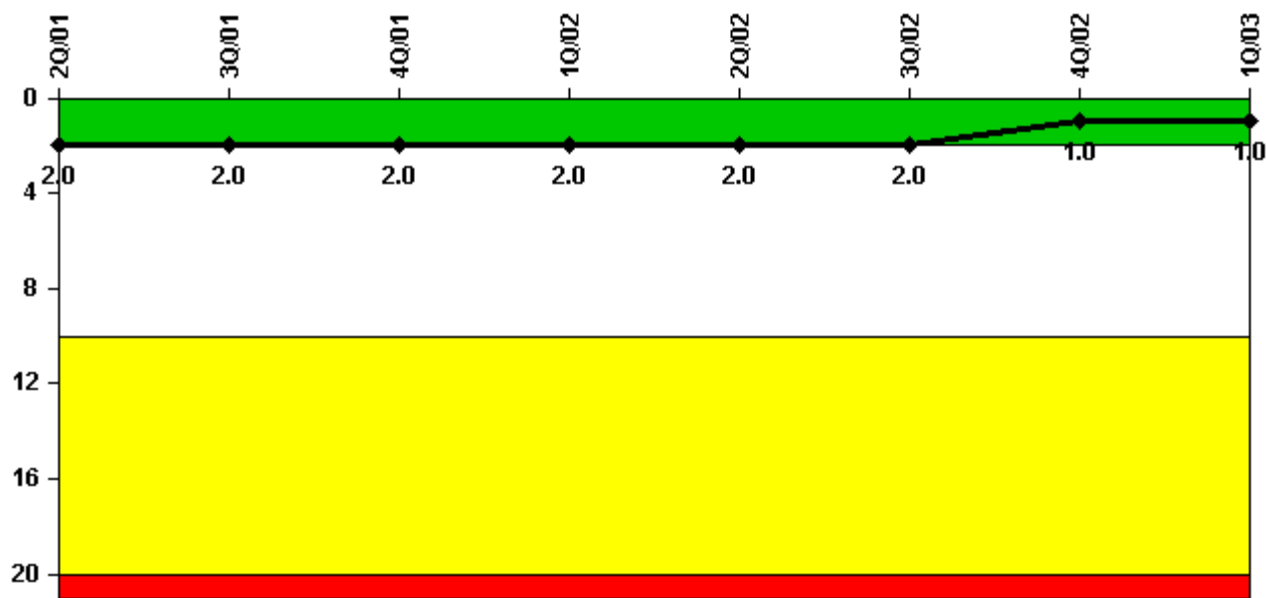
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1467.5	2208.0	971.3	2160.0
Indicator value	1.8	1.8	0	0	0.9	0.9	1.0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



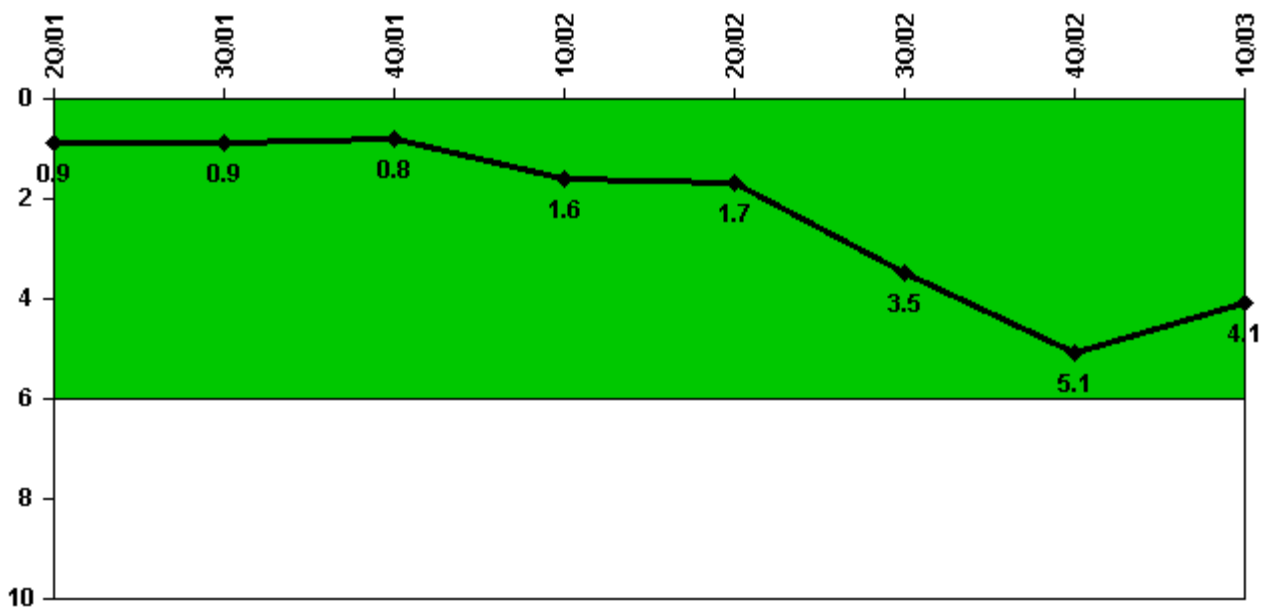
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



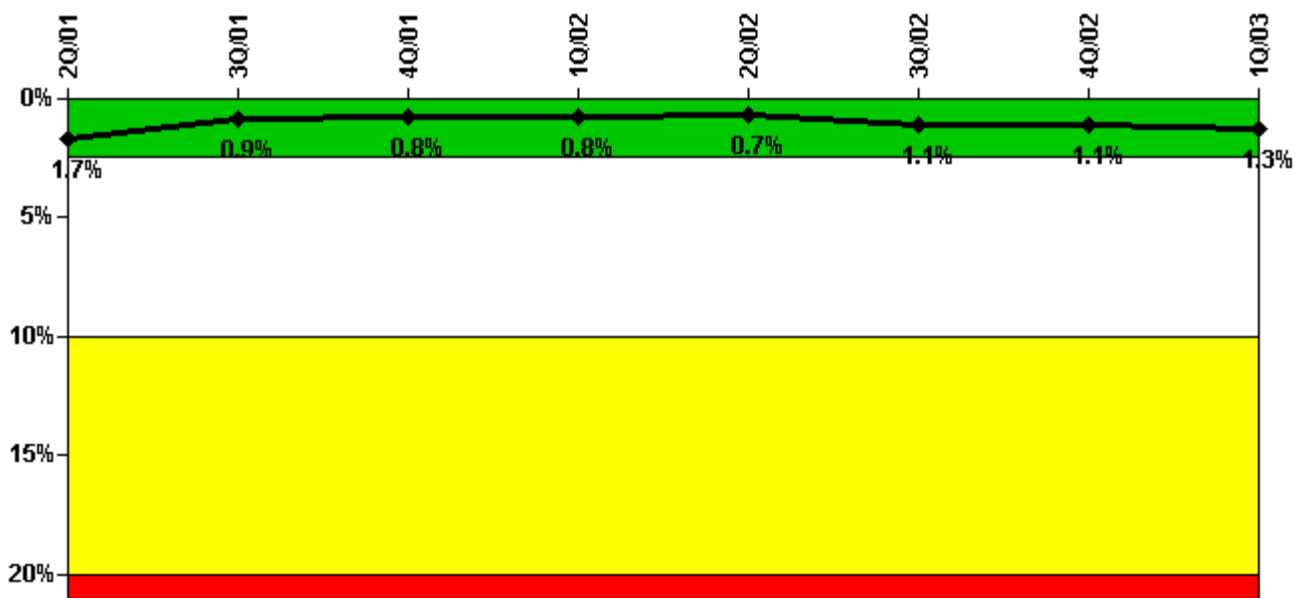
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	1.0	0	0	1.0	1.0	2.0	1.0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1467.5	2208.0	971.3	2160.0
Indicator value	0.9	0.9	0.8	1.6	1.7	3.5	5.1	4.1

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



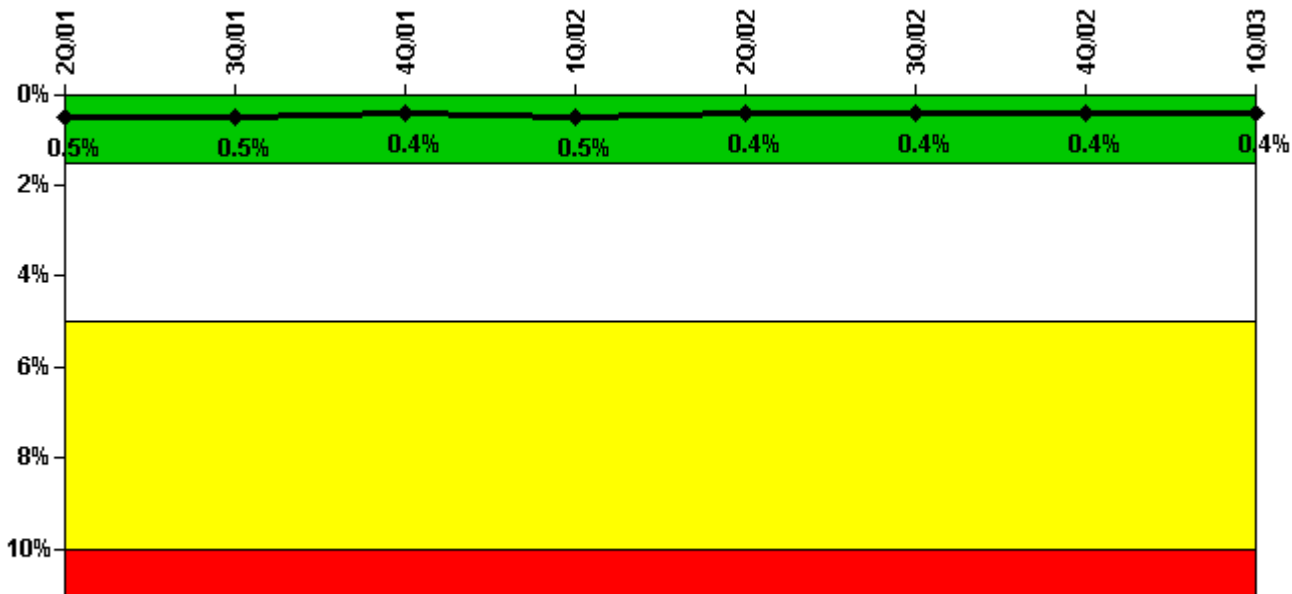
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	2.30	16.90	0.10	0	4.40	0	13.20	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.40	32.20	0.10	0.10	2.20	0	18.00	0
Unplanned unavailable hours	0	0	0	0	11.90	0.10	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	26.60	0.10	0.20	19.90	5.20	0	0	0
Unplanned unavailable hours	0	0	0	0	2.40	79.00	0	120.30
Fault exposure hours	0	0	0	0	0	331.00	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.7%	0.9%	0.8%	0.8%	0.7%	1.1%	1.1%	1.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

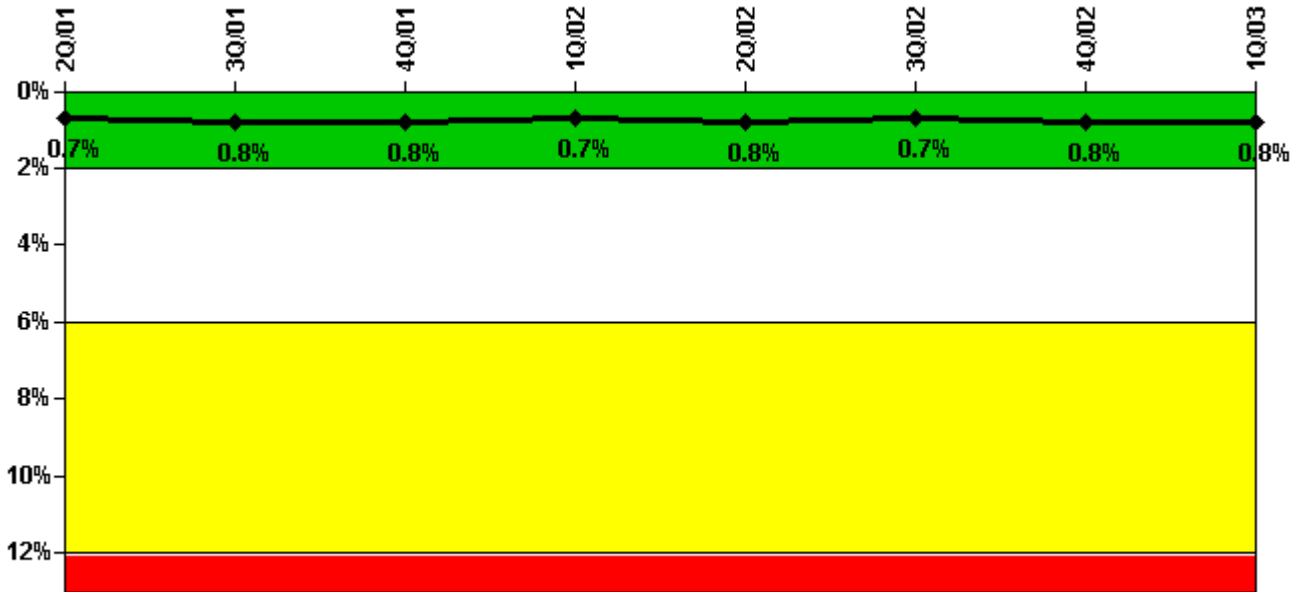
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	43.70	0	0	60.30	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00
Train 2								
Planned unavailable hours	0	0	18.30	0	0	19.00	0	13.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00
Train 3								
Planned unavailable hours	9.82	0.10	0.60	14.71	0.44	19.50	0.20	0.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00
Train 4								

Planned unavailable hours	0.10	12.00	0.30	13.50	0.10	0	0.10	16.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00
Indicator value	0.5%	0.5%	0.4%	0.5%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

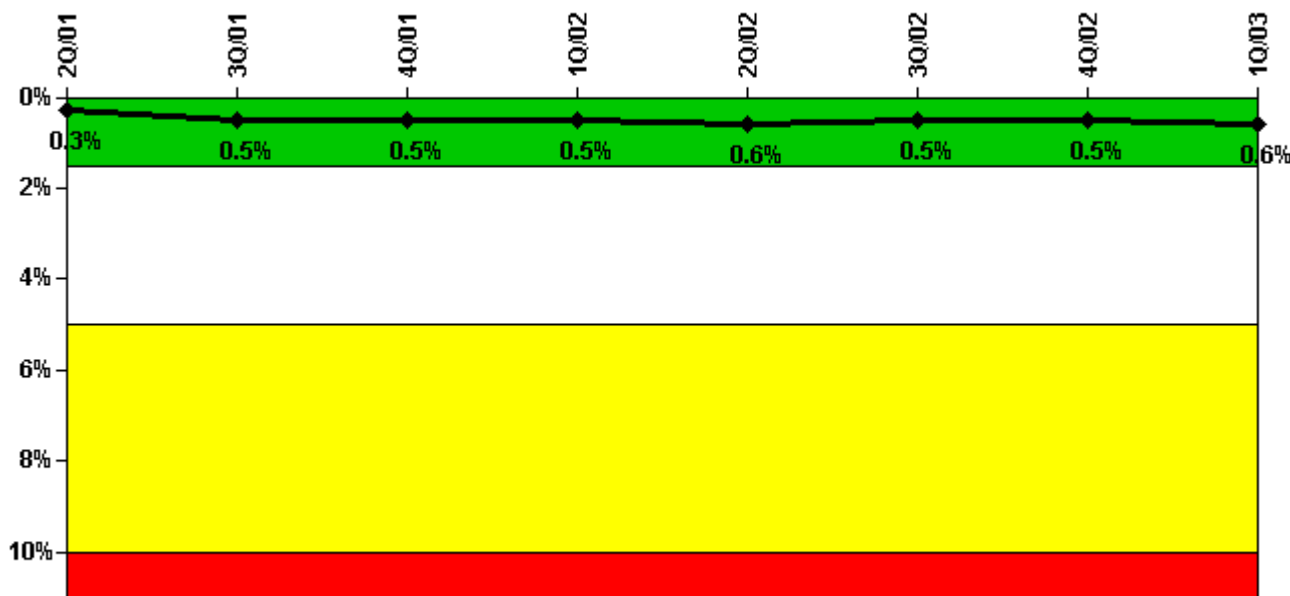
Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	19.20	7.60	18.50	2.20	33.10	2.90	22.10	1.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00
Train 2								
Planned unavailable hours	4.60	32.20	1.30	1.90	24.20	17.30	19.10	2.10
Unplanned unavailable hours	0.40	16.20	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00
Train 3								
Planned unavailable hours	0	26.30	1.20	6.00	20.00	16.10	0	36.00
Unplanned unavailable hours	3.20	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00
Indicator value	0.7%	0.8%	0.8%	0.7%	0.8%	0.7%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

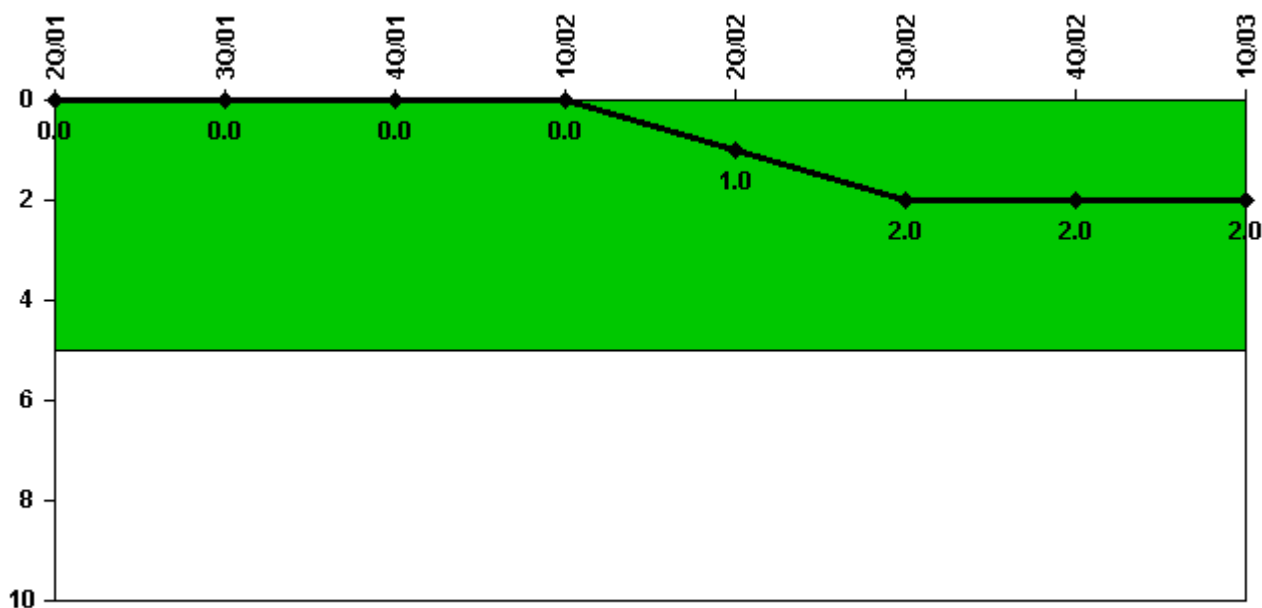
Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0.30	11.60	0.90	1.00	47.00	0.60	0.70	11.60
Unplanned unavailable hours	0	6.70	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.60	72.10	22.20	13.40	0.20	0.20	0	26.70
Unplanned unavailable hours	0	9.50	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.3%	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%	0.6%

Licensee Comments: none

Safety System Functional Failures (PWR)



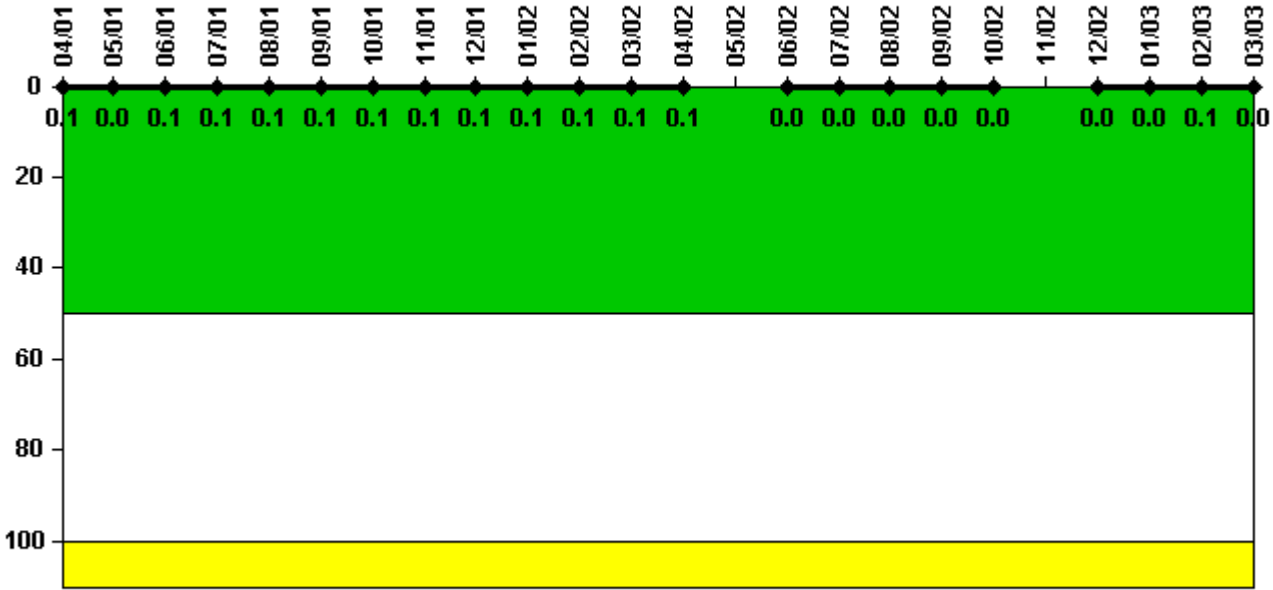
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Safety System Functional Failures	0	0	0	0	1	1	0	0
Indicator value	0	0	0	0	1	2	2	2

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

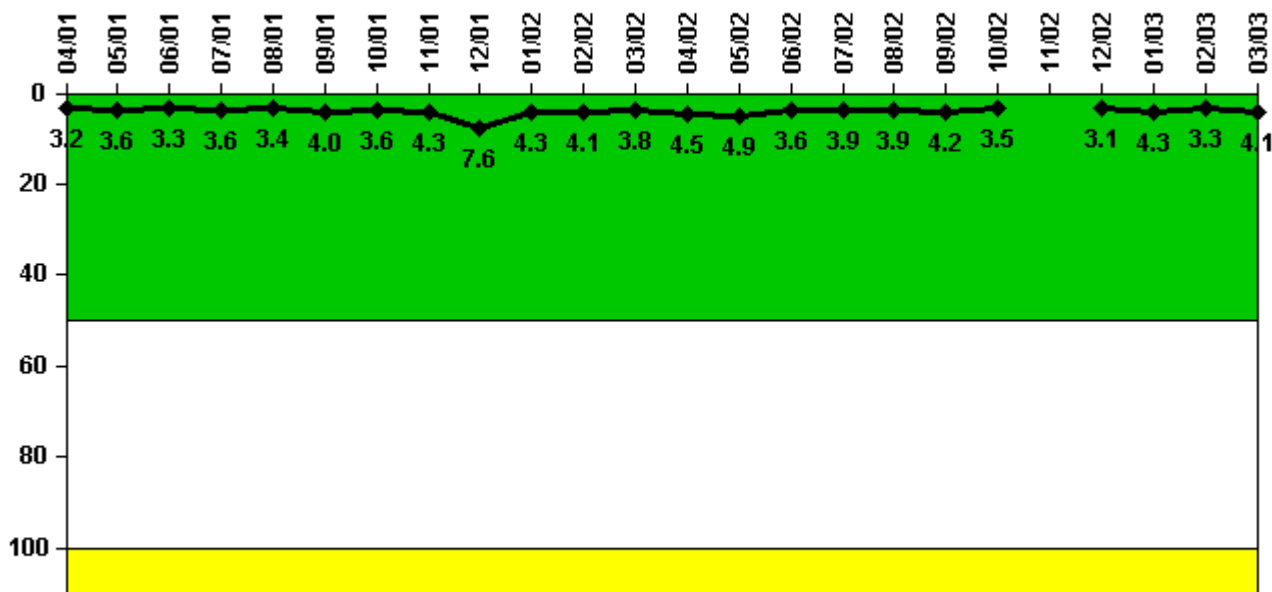
Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000368	0.000340	0.000414	0.000476	0.000631	0.000407	0.000374	0.000445	0.000424	0.000380	0.000407	0.000480
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000481	N/A	0.000189	0.000249	0.000230	0.000232	0.000321	N/A	0.000229	0.000253	0.000552	0.000255
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	N/A	0	0	0	0	0	N/A	0	0	0.1	0

Licensee Comments:

3/03: The limits for RCS dose equivalent I-131 specific activity are being administratively controlled at lower values (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limits are to compensate for non-conservatism identified in a vendor's calculation for iodine appearance rates utilized in accident dose analysis. The reduced limits will remain in effect until affected analyses are revised.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

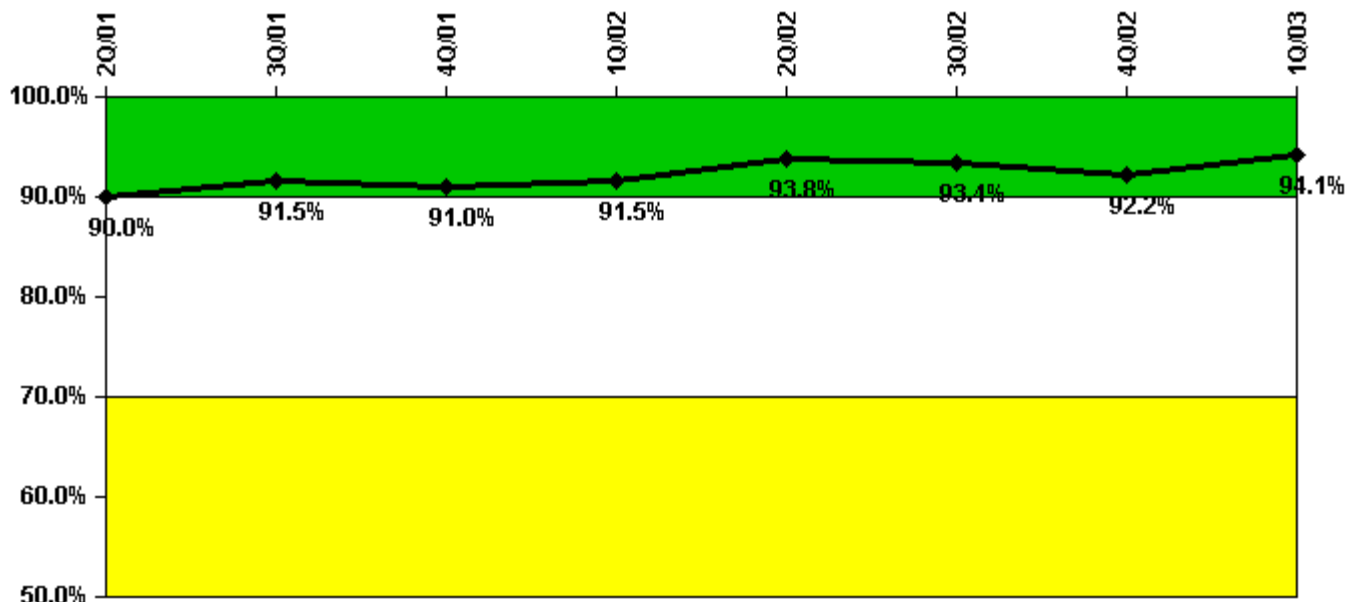
Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.317	0.360	0.327	0.357	0.339	0.395	0.364	0.432	0.755	0.428	0.405	0.375
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	3.2	3.6	3.3	3.6	3.4	4.0	3.6	4.3	7.6	4.3	4.1	3.8

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.450	0.487	0.360	0.390	0.391	0.420	0.348		0.305	0.425	0.332	0.405
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	4.5	4.9	3.6	3.9	3.9	4.2	3.5		3.1	4.3	3.3	4.1

Licensee Comments: none

Drill/Exercise Performance



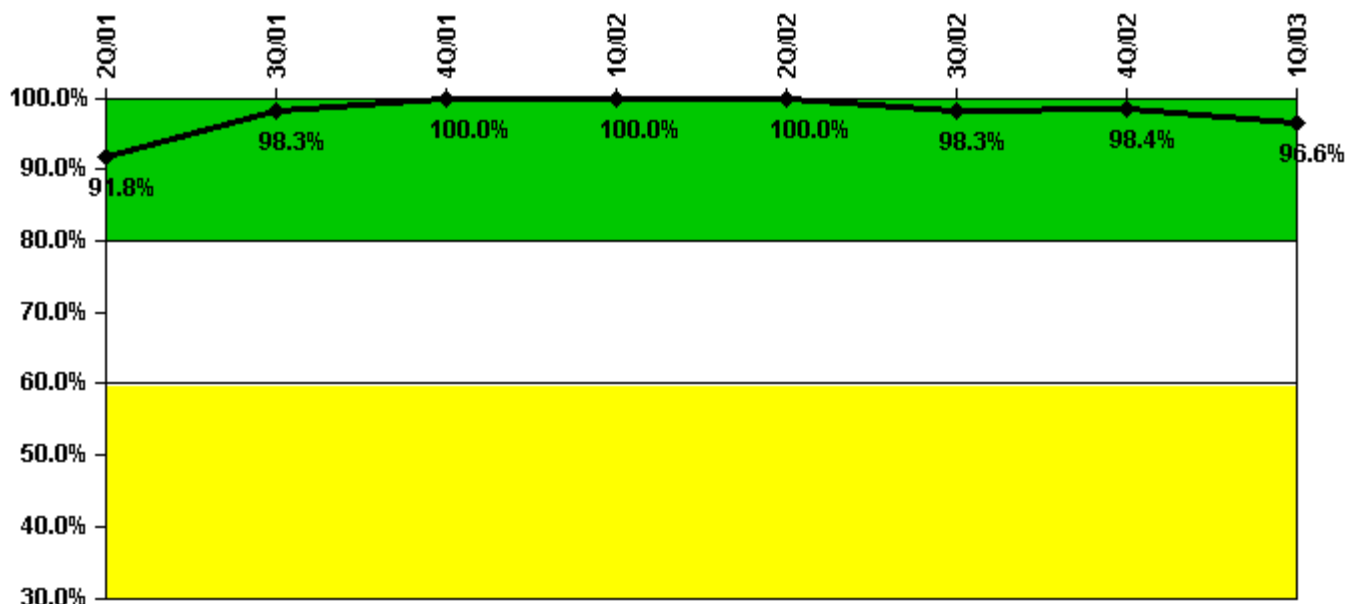
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	21.0	23.0	9.0	36.0	25.0	9.0	19.0	33.0
Total opportunities	23.0	23.0	10.0	39.0	25.0	11.0	22.0	33.0
Indicator value	90.0%	91.5%	91.0%	91.5%	93.8%	93.4%	92.2%	94.1%

Licensee Comments: none

ERO Drill Participation



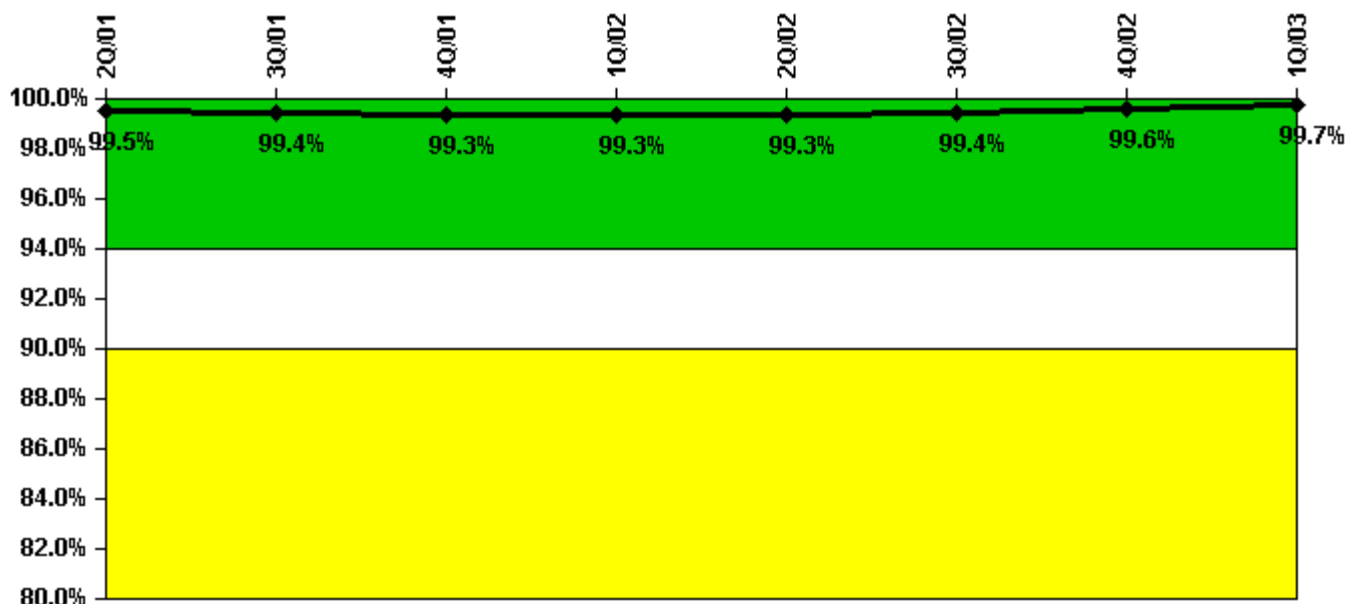
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	56.0	59.0	61.0	63.0	61.0	59.0	60.0	57.0
Total Key personnel	61.0	60.0	61.0	63.0	61.0	60.0	61.0	59.0
Indicator value	91.8%	98.3%	100.0%	100.0%	100.0%	98.3%	98.4%	96.6%

Licensee Comments: none

Alert & Notification System



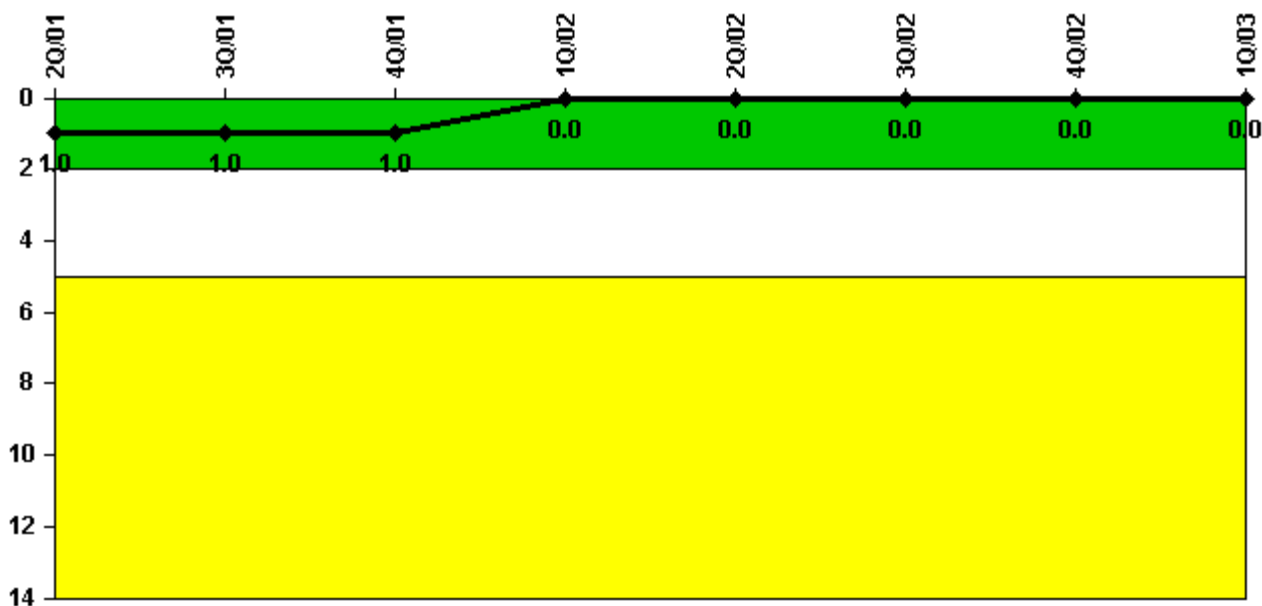
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	1043	1171	1039	911	1042	1045	1047	913
Total sirens-tests	1048	1179	1048	917	1048	1048	1048	917
Indicator value	99.5%	99.4%	99.3%	99.3%	99.3%	99.4%	99.6%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
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	1	1	1	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



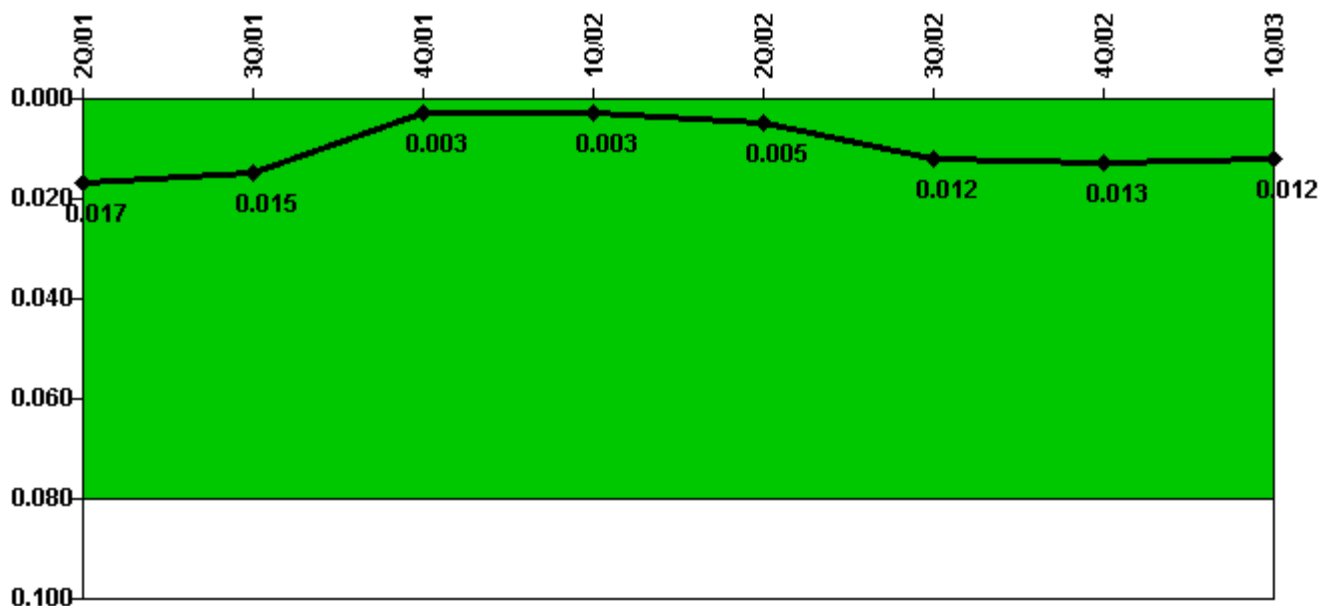
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
IDS compensatory hours	15.33	24.48	5.90	51.03	79.82	83.58	24.92	2.87
CCTV compensatory hours	2.6	1.8	15.5	0.5	14.2	106.6	32.7	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.017	0.015	0.003	0.003	0.005	0.012	0.013	0.012

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

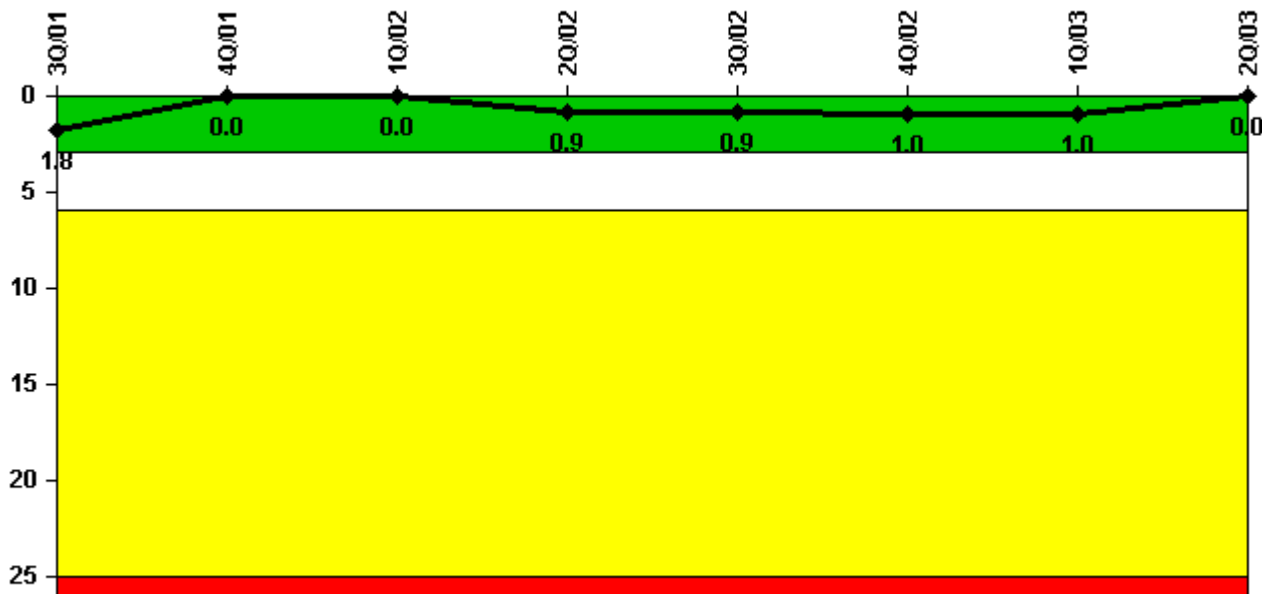
Last Modified: April 22, 2003

Diablo Canyon 1

2Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



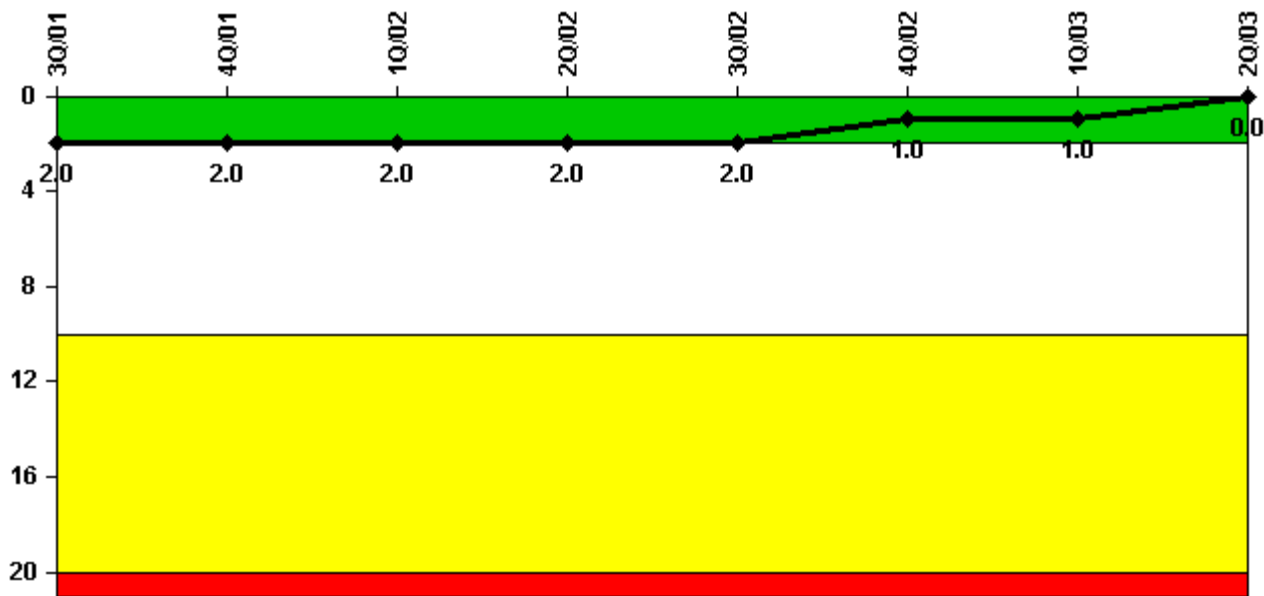
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1467.5	2208.0	971.3	2160.0	2183.0
Indicator value	1.8	0	0	0.9	0.9	1.0	1.0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



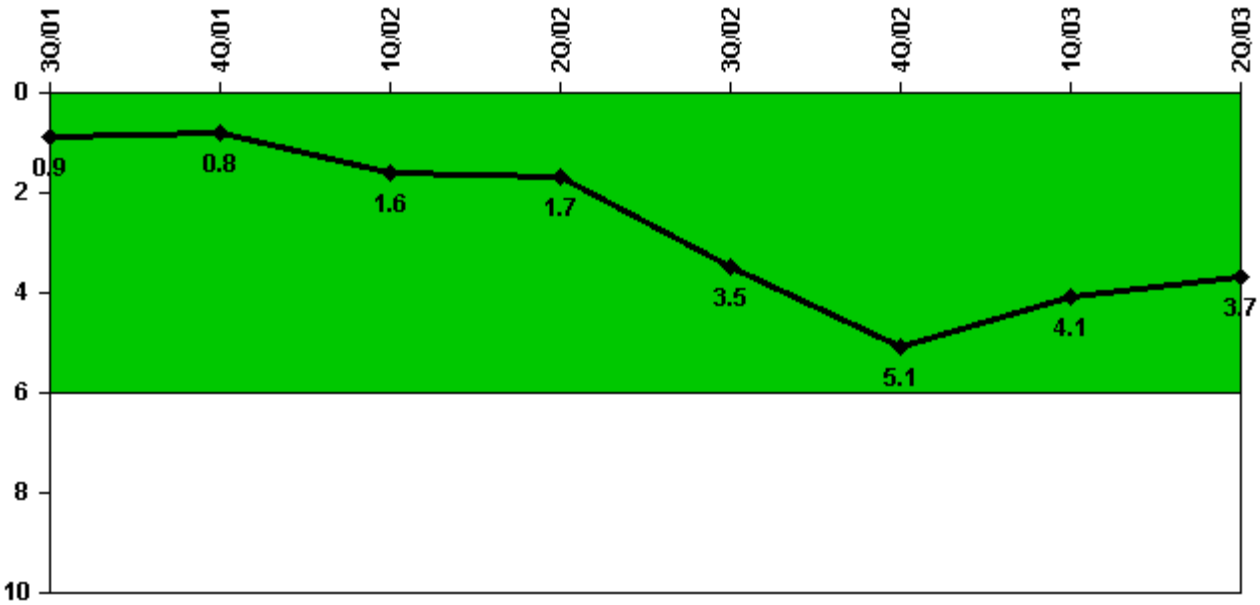
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



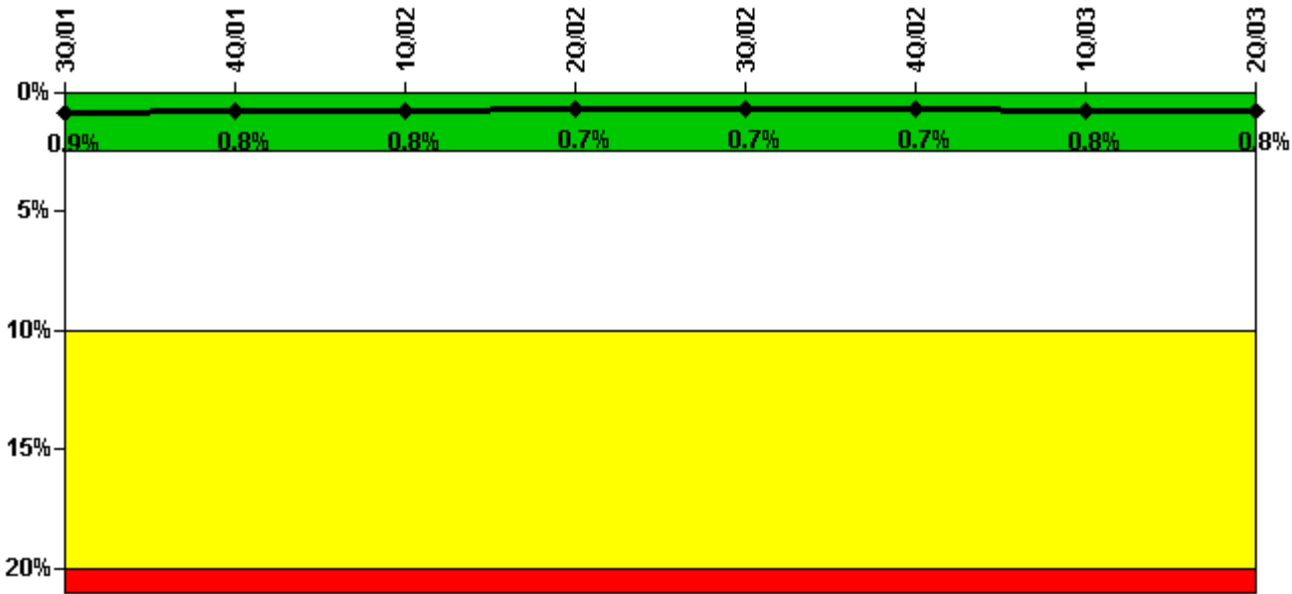
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	1.0	1.0	2.0	1.0	0	1.0
Critical hours	2208.0	2209.0	2160.0	1467.5	2208.0	971.3	2160.0	2183.0
Indicator value	0.9	0.8	1.6	1.7	3.5	5.1	4.1	3.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

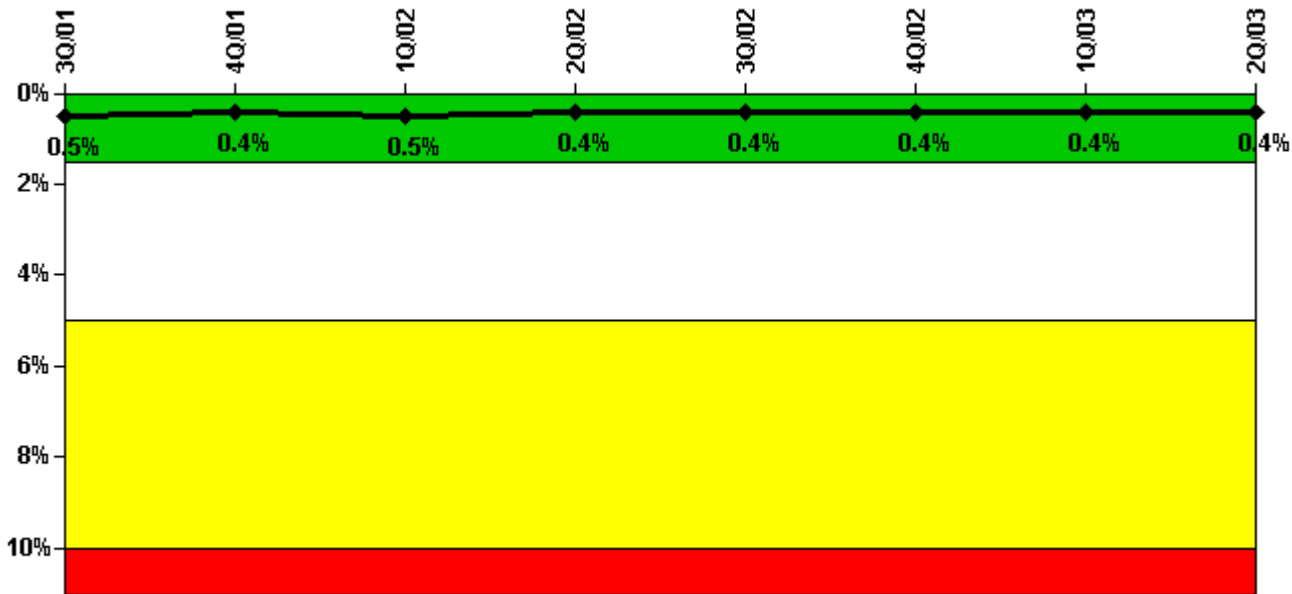
Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	16.90	0.10	0	4.40	0	13.20	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	32.20	0.10	0.10	2.20	0	18.00	0	0
Unplanned unavailable hours	0	0	0	11.90	0.10	0	0	0.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	0.10	0.20	19.90	5.20	0	0	0	0
Unplanned unavailable hours	0	0	0	2.40	79.00	0	120.30	28.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.9%	0.8%	0.8%	0.7%	0.7%	0.7%	0.8%	0.8%

Licensee Comments:

3Q/02: Change to clarify that EDG 3 for Unit 1 was not Fault Exposure hours but T/2 Fault Exposure hours.

Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

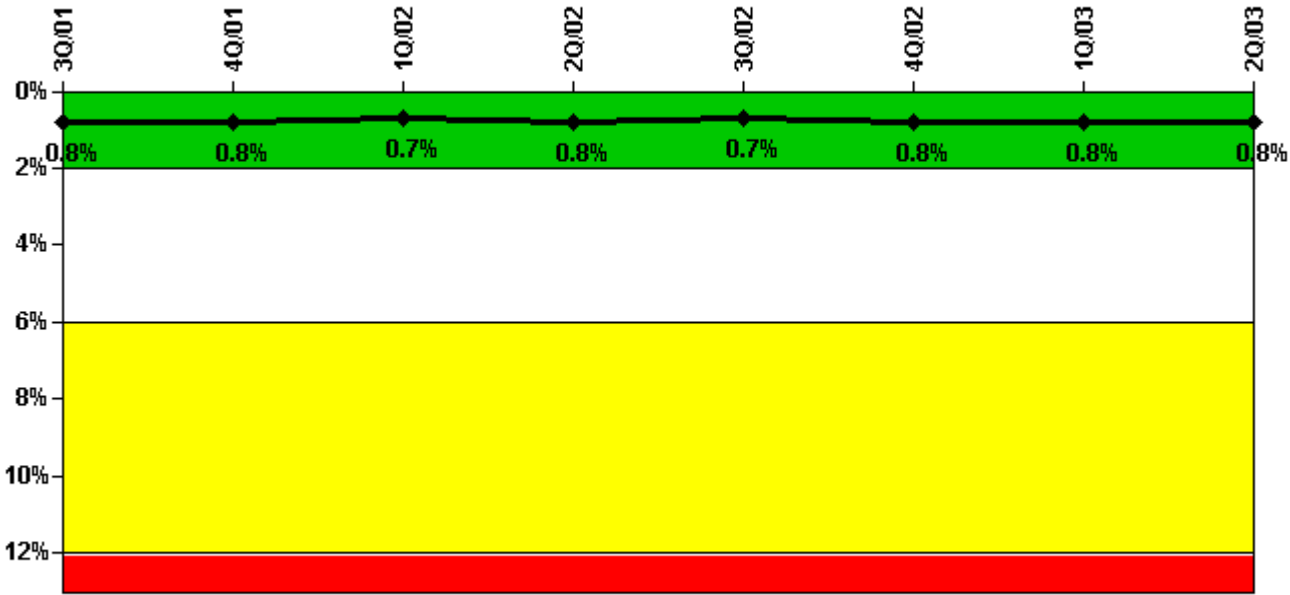
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0	0	60.30	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00
Train 2								
Planned unavailable hours	0	18.30	0	0	19.00	0	13.50	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00
Train 3								
Planned unavailable hours	0.10	0.60	14.71	0.44	19.50	0.20	0.40	14.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00

Train 4								
Planned unavailable hours	12.00	0.30	13.50	0.10	0	0.10	16.60	0.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00
Indicator value	0.5%	0.4%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

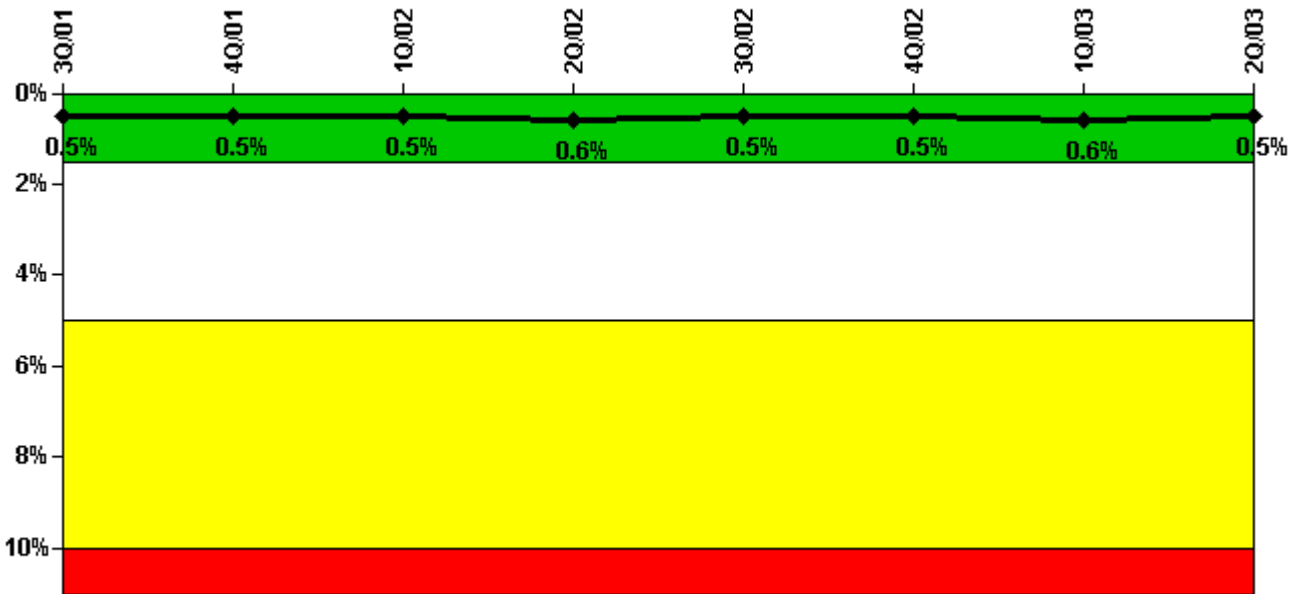
Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	7.60	18.50	2.20	33.10	2.90	22.10	1.00	30.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00
Train 2								
Planned unavailable hours	32.20	1.30	1.90	24.20	17.30	19.10	2.10	1.00

Unplanned unavailable hours	16.20	0	0	0	0	0	0	44.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00
Train 3								
Planned unavailable hours	26.30	1.20	6.00	20.00	16.10	0	36.00	1.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00
Indicator value	0.8%	0.8%	0.7%	0.8%	0.7%	0.8%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

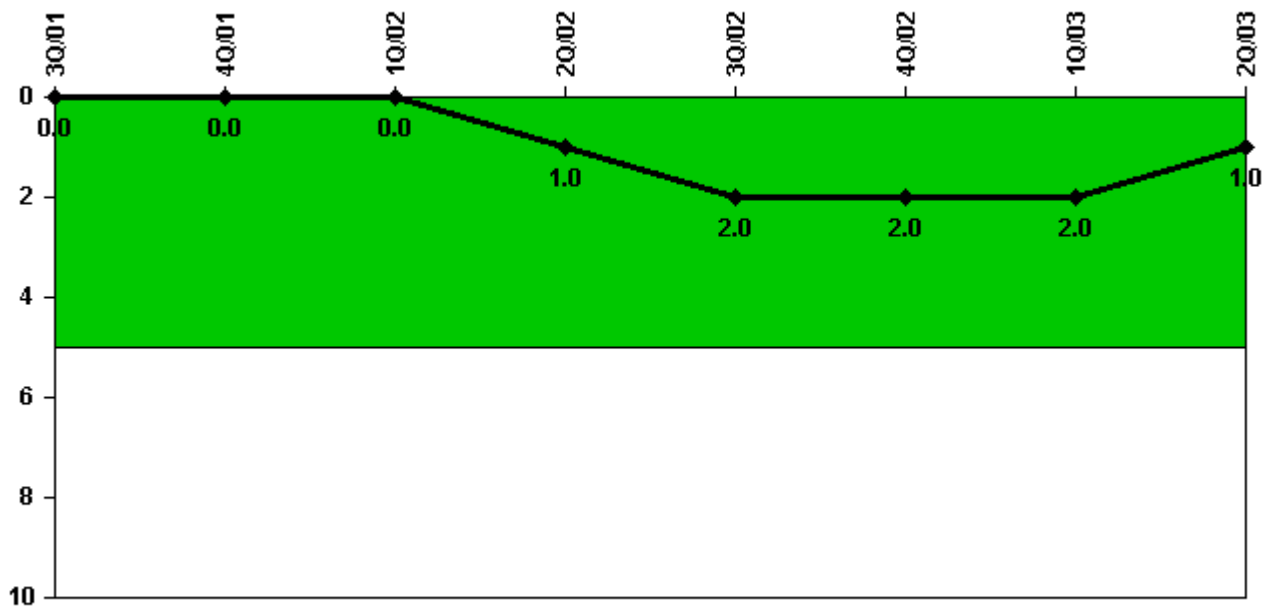
Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	11.60	0.90	1.00	47.00	0.60	0.70	11.60	0.50
Unplanned unavailable hours	6.70	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0

Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	72.10	22.20	13.40	0.20	0.20	0	26.70	0.10
Unplanned unavailable hours	9.50	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%	0.6%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



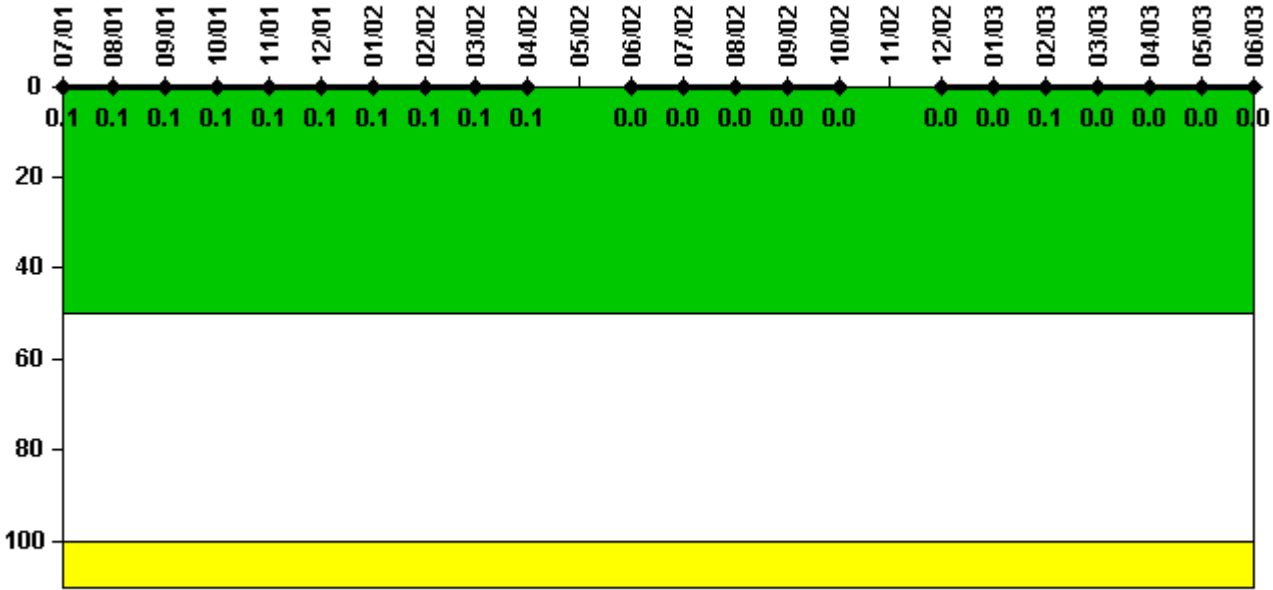
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Safety System Functional Failures	0	0	0	1	1	0	0	0
Indicator value	0	0	0	1	2	2	2	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

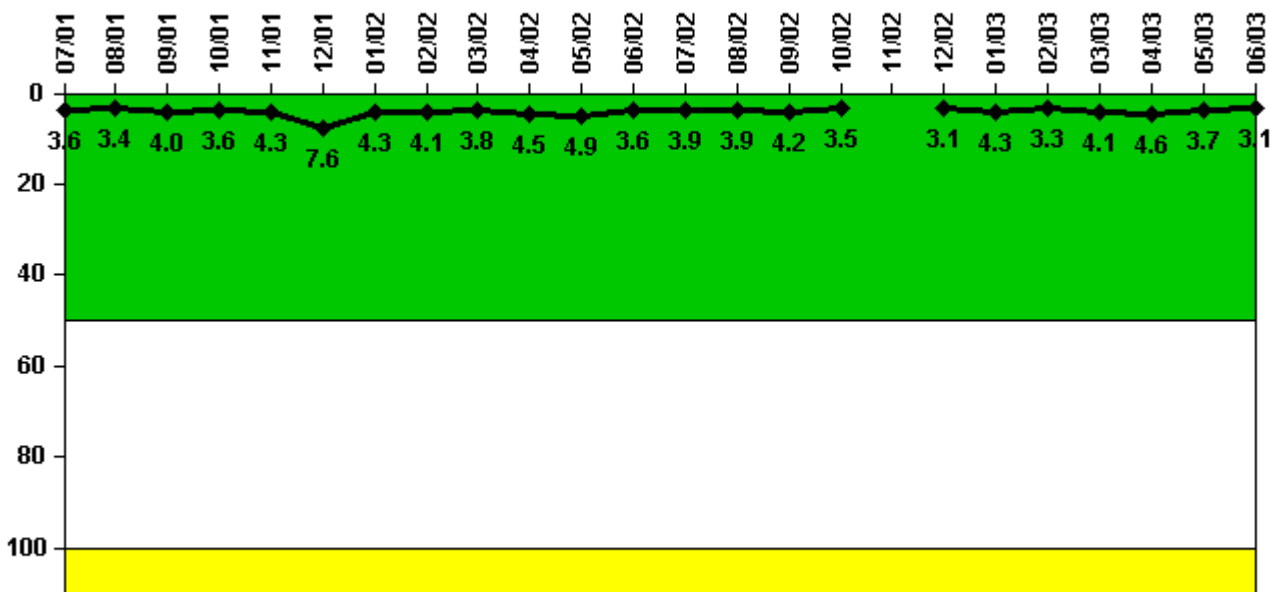
Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000476	0.000631	0.000407	0.000374	0.000445	0.000424	0.000380	0.000407	0.000480	0.000481	N/A	0.000189
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000249	0.000230	0.000232	0.000321	N/A	0.000229	0.000253	0.000552	0.000255	0.000276	0.000275	0.000287
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
Indicator value	0	0	0	0	N/A	0	0	0.1	0	0	0	0

Licensee Comments:

6/03: The limit for RCS dose equivalent I-131 specific activity is being administratively controlled at a lower value (varies based on RCS letdown flow rate) than the Technical Specification limit of 1.0 micro Curies per gram. The reduced limit is to compensate for non-conservatisms identified in a vendor's calculation for iodine appearance rates utilized in accident dose analysis. The reduced limit applies only to the month of April for this quarter.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

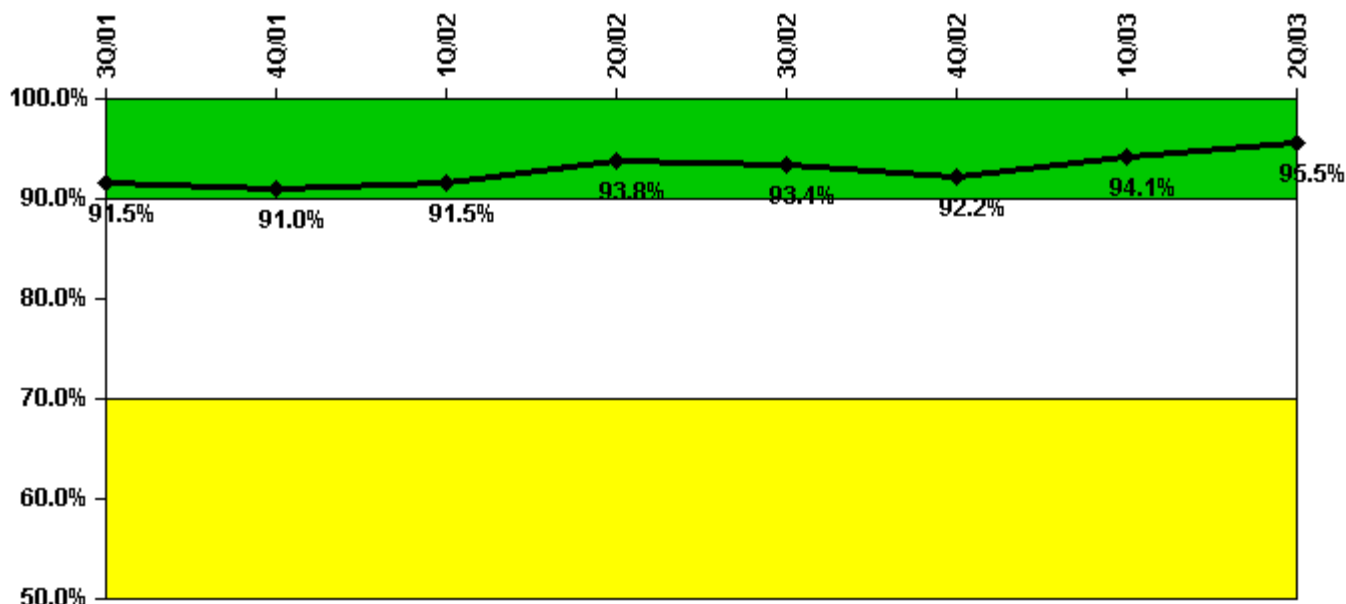
Notes

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.357	0.339	0.395	0.364	0.432	0.755	0.428	0.405	0.375	0.450	0.487	0.360
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	3.6	3.4	4.0	3.6	4.3	7.6	4.3	4.1	3.8	4.5	4.9	3.6

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.390	0.391	0.420	0.348		0.305	0.425	0.332	0.405	0.455	0.366	0.313
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	3.9	3.9	4.2	3.5		3.1	4.3	3.3	4.1	4.6	3.7	3.1

Licensee Comments: none

Drill/Exercise Performance



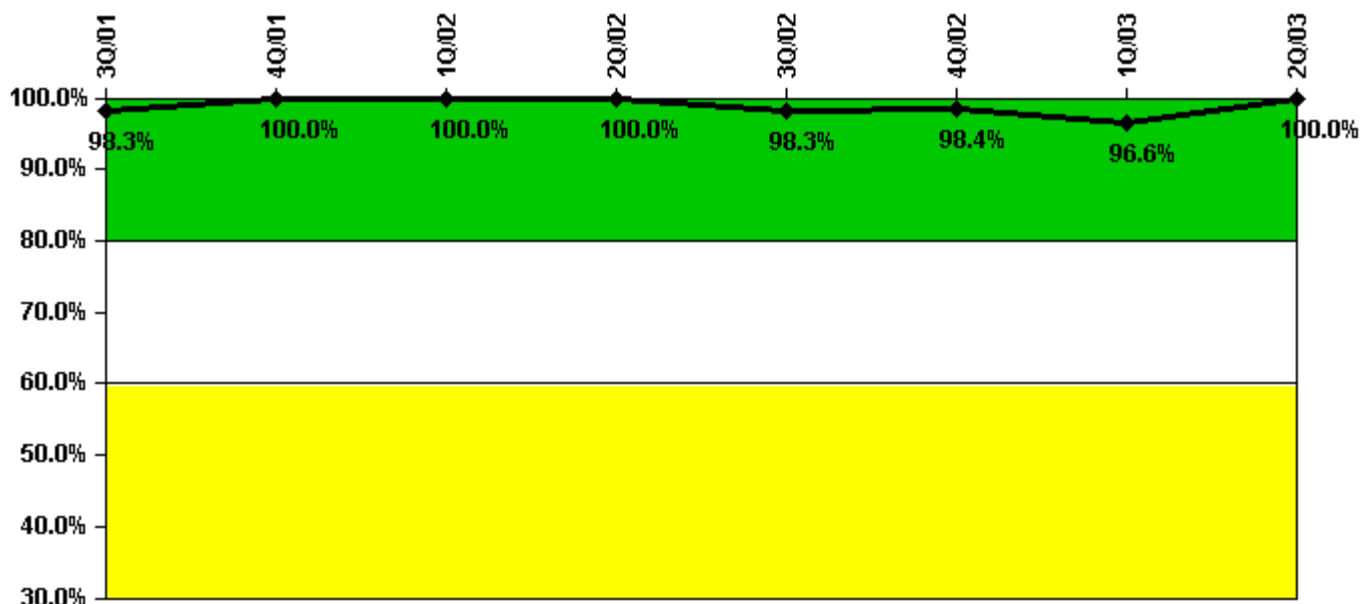
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	23.0	9.0	36.0	25.0	9.0	19.0	33.0	57.0
Total opportunities	23.0	10.0	39.0	25.0	11.0	22.0	33.0	58.0
Indicator value	91.5%	91.0%	91.5%	93.8%	93.4%	92.2%	94.1%	95.5%

Licensee Comments: none

ERO Drill Participation



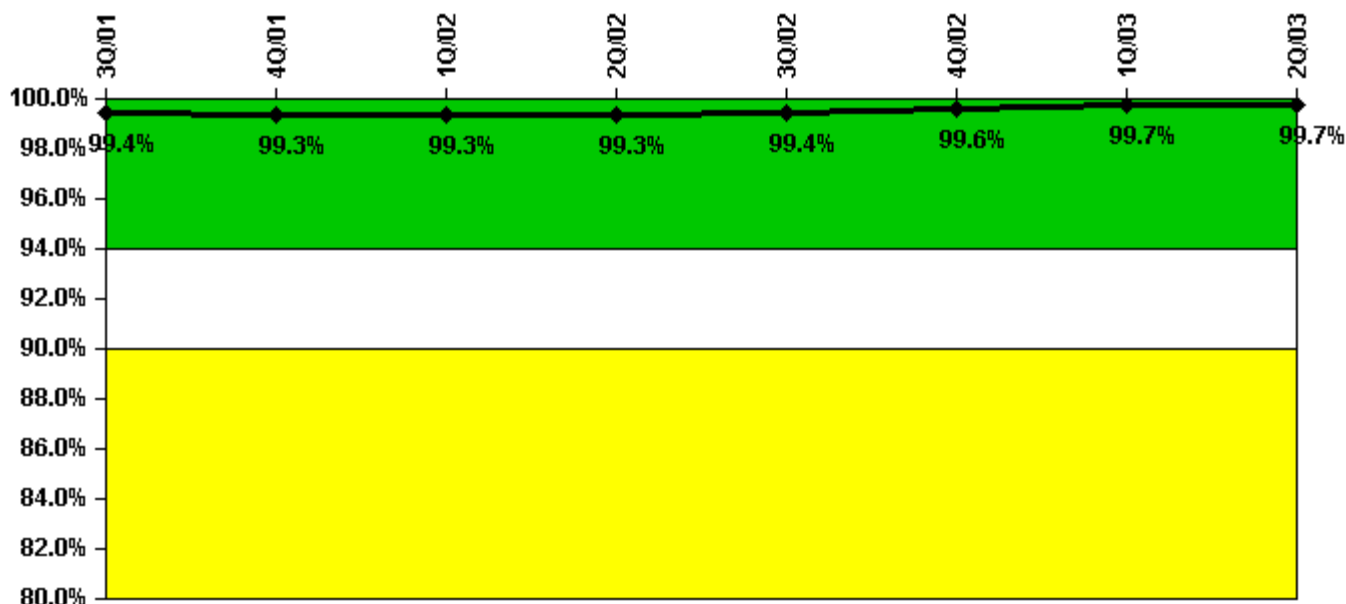
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	59.0	61.0	63.0	61.0	59.0	60.0	57.0	55.0
Total Key personnel	60.0	61.0	63.0	61.0	60.0	61.0	59.0	55.0
Indicator value	98.3%	100.0%	100.0%	100.0%	98.3%	98.4%	96.6%	100.0%

Licensee Comments: none

Alert & Notification System



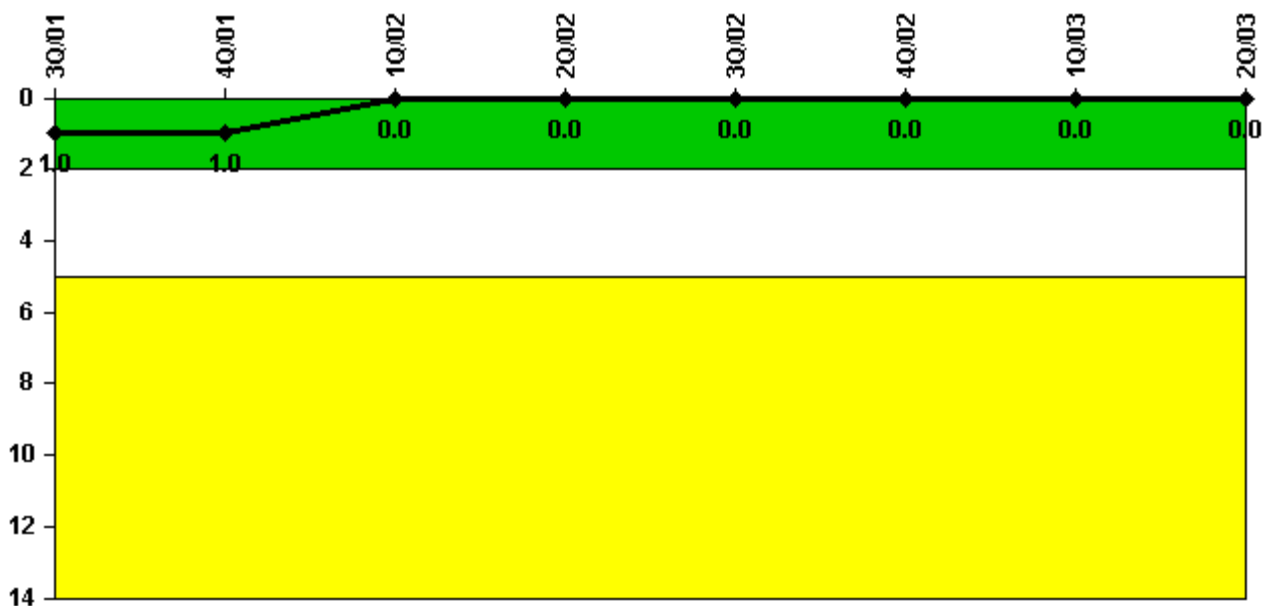
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	1171	1039	911	1042	1045	1047	913	915
Total sirens-tests	1179	1048	917	1048	1048	1048	917	917
Indicator value	99.4%	99.3%	99.3%	99.3%	99.4%	99.6%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



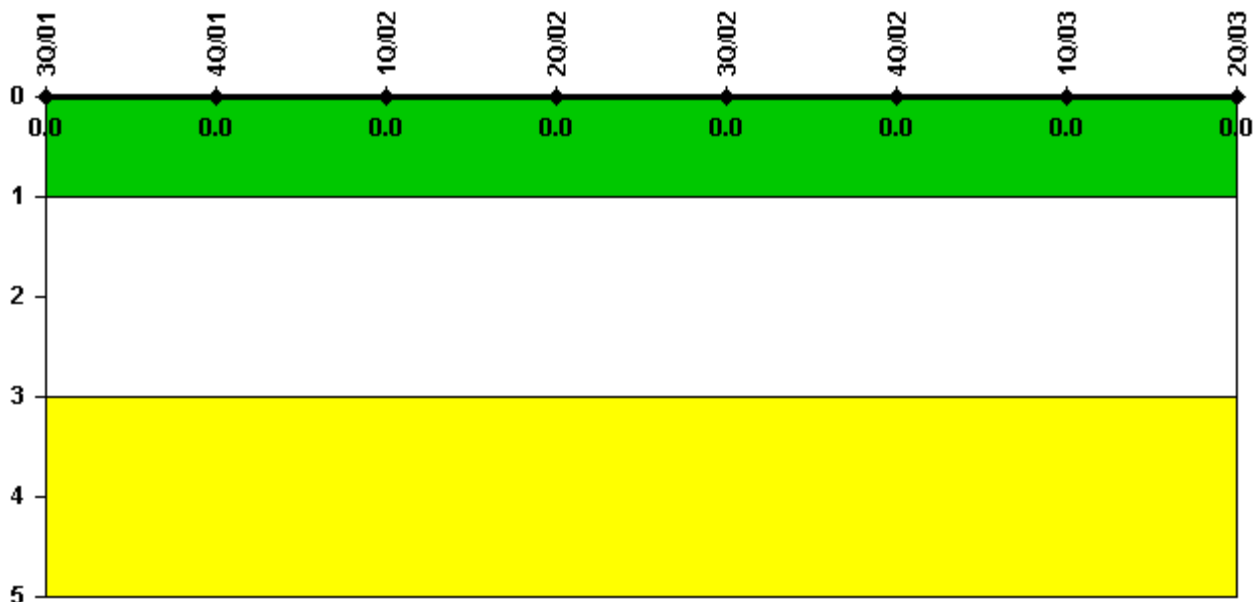
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
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	1	1	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



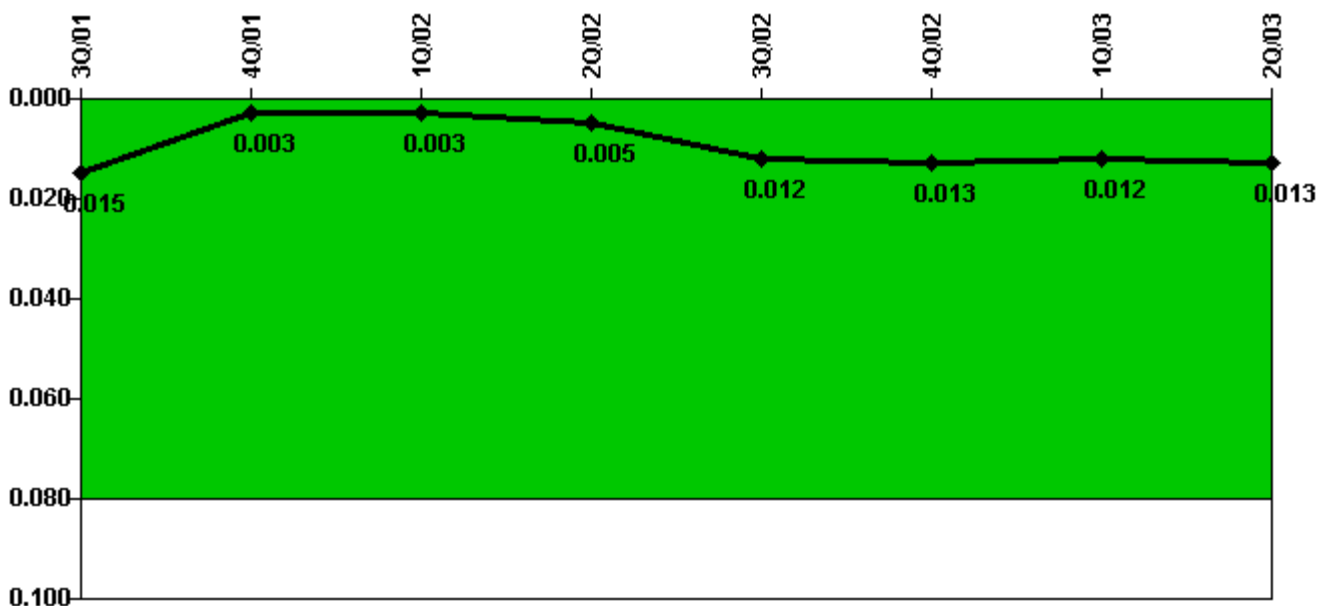
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



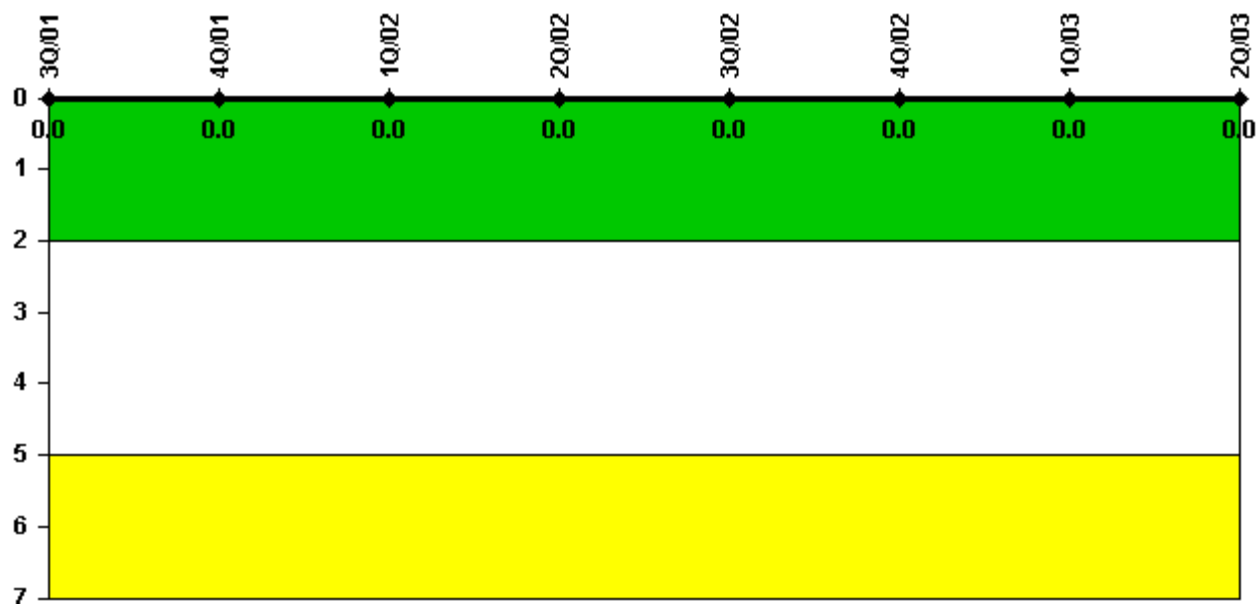
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	24.48	5.90	51.03	79.82	83.58	24.92	2.87	146.33
CCTV compensatory hours	1.8	15.5	0.5	14.2	106.6	32.7	0	8.4
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.015	0.003	0.003	0.005	0.012	0.013	0.012	0.013

Licensee Comments: none

Personnel Screening Program



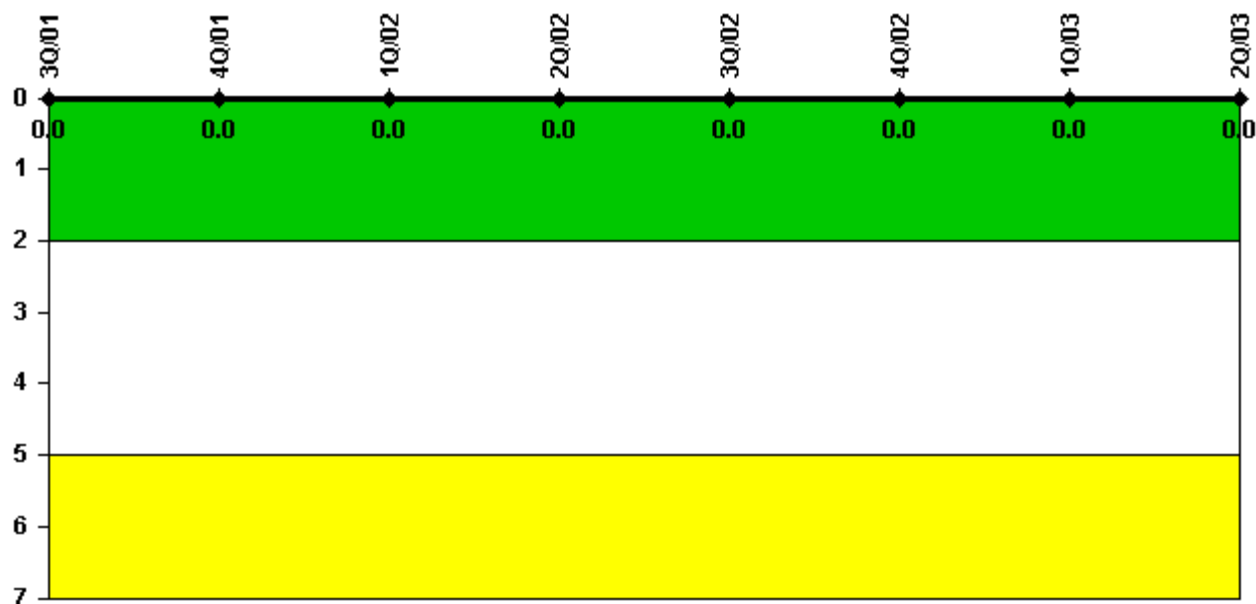
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

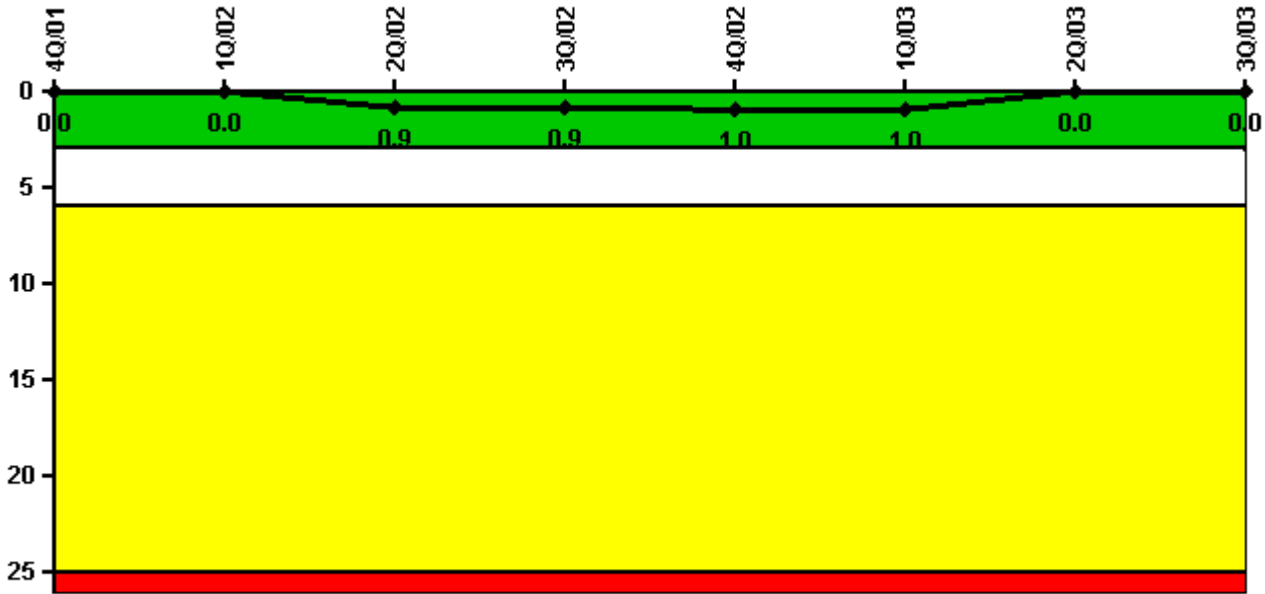
Last Modified: July 22, 2003

Diablo Canyon 1

3Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



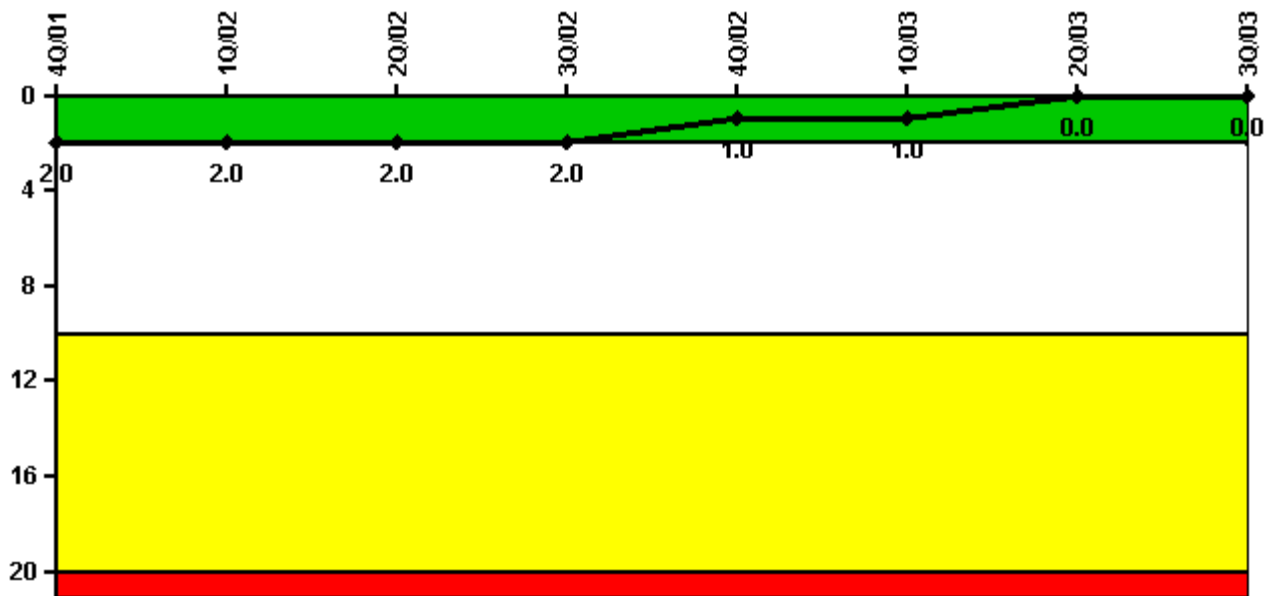
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2160.0	1467.5	2208.0	971.3	2160.0	2183.0	2208.0
Indicator value	0	0	0.9	0.9	1.0	1.0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



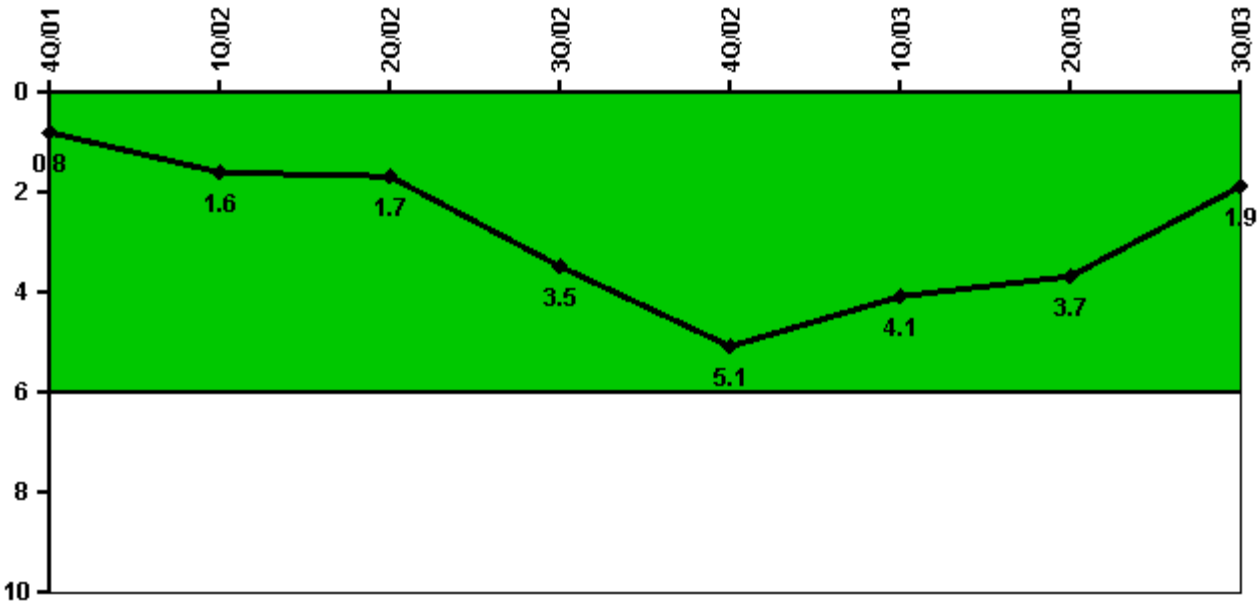
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	1.0	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



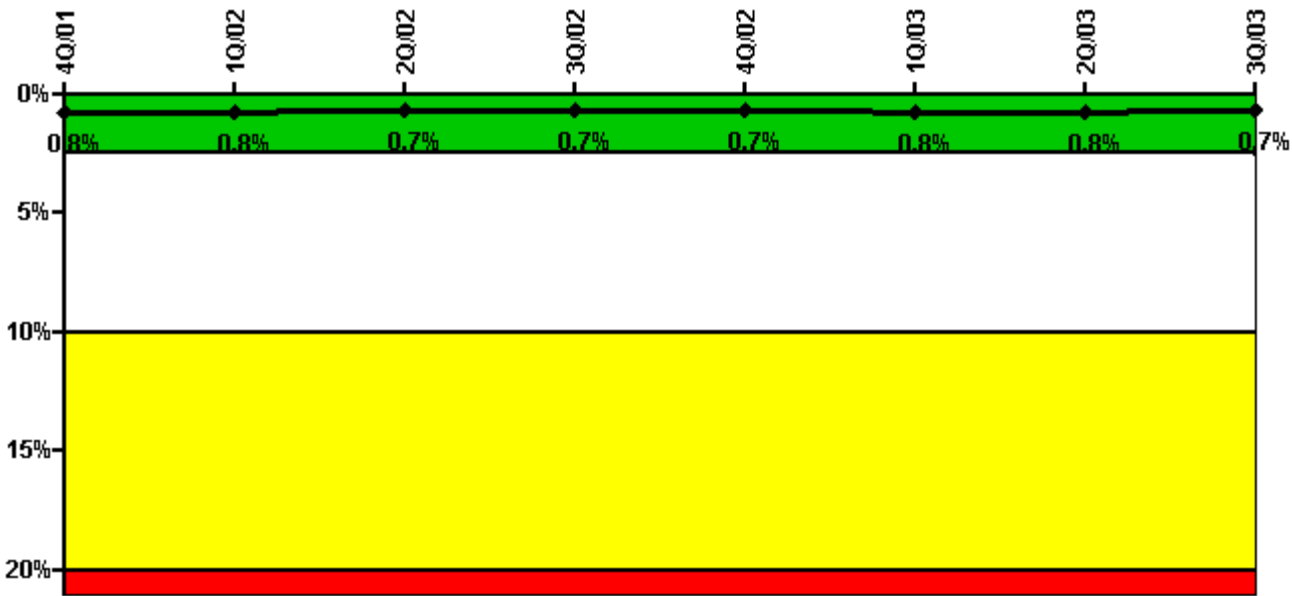
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	1.0	1.0	2.0	1.0	0	1.0	0
Critical hours	2209.0	2160.0	1467.5	2208.0	971.3	2160.0	2183.0	2208.0
Indicator value	0.8	1.6	1.7	3.5	5.1	4.1	3.7	1.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



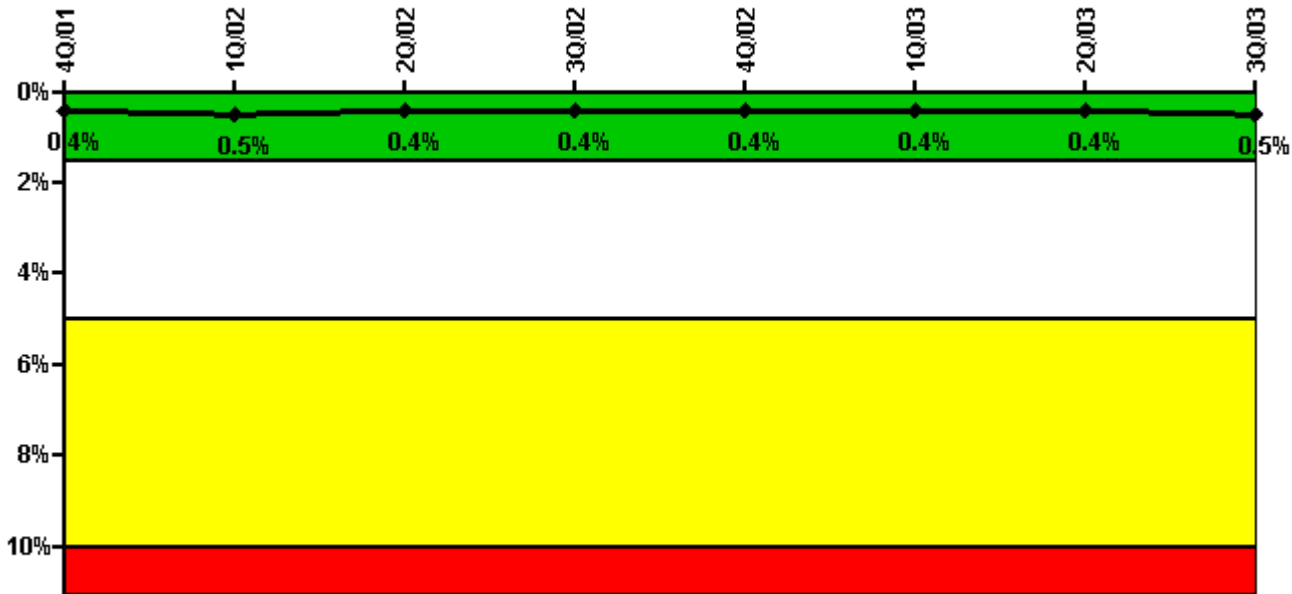
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0.10	0	4.40	0	13.20	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	15.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.10	0.10	2.20	0	18.00	0	0	14.40
Unplanned unavailable hours	0	0	11.90	0.10	0	0	0.20	4.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0.20	19.90	5.20	0	0	0	0	0
Unplanned unavailable hours	0	0	2.40	79.00	0	120.30	28.90	2.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.8%	0.8%	0.7%	0.7%	0.7%	0.8%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

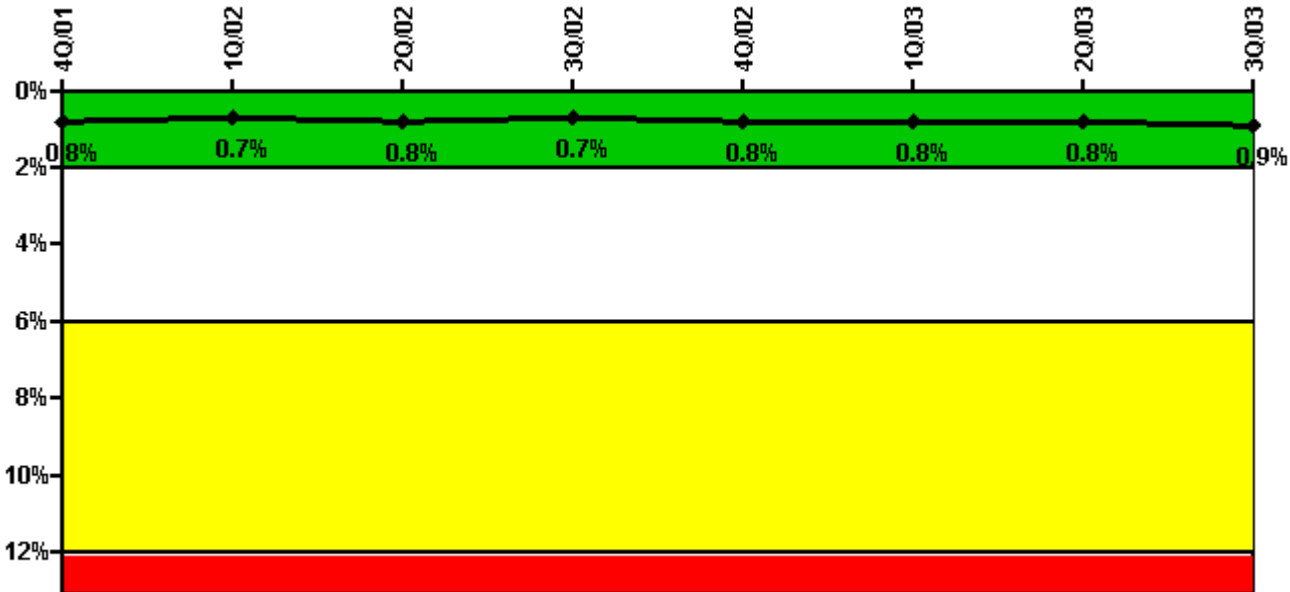
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0	60.30	0	0	0	0	0	87.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	18.30	0	0	19.00	0	13.50	0	12.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0.60	14.71	0.44	19.50	0.20	0.40	14.30	0.40
Unplanned unavailable hours	0	0	0	0	0	0	0	1.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00
Train 4								

Planned unavailable hours	0.30	13.50	0.10	0	0.10	16.60	0.10	10.10
Unplanned unavailable hours	0	0	0	0	0	0	0	1.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00
Indicator value	0.4%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

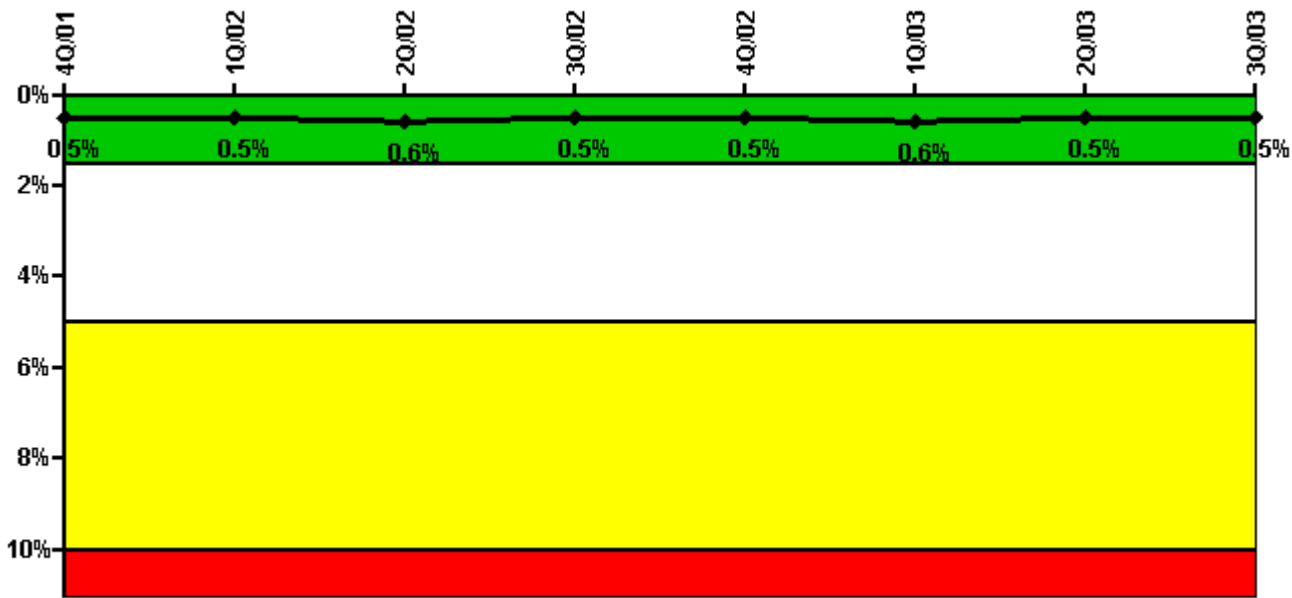
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	18.50	2.20	33.10	2.90	22.10	1.00	30.70	11.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.30	1.90	24.20	17.30	19.10	2.10	1.00	24.40
Unplanned unavailable hours	0	0	0	0	0	0	44.00	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	1.20	6.00	20.00	16.10	0	36.00	1.70	0
Unplanned unavailable hours	0	0	0	0	0	0	0	52.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00
Indicator value	0.8%	0.7%	0.8%	0.7%	0.8%	0.8%	0.8%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

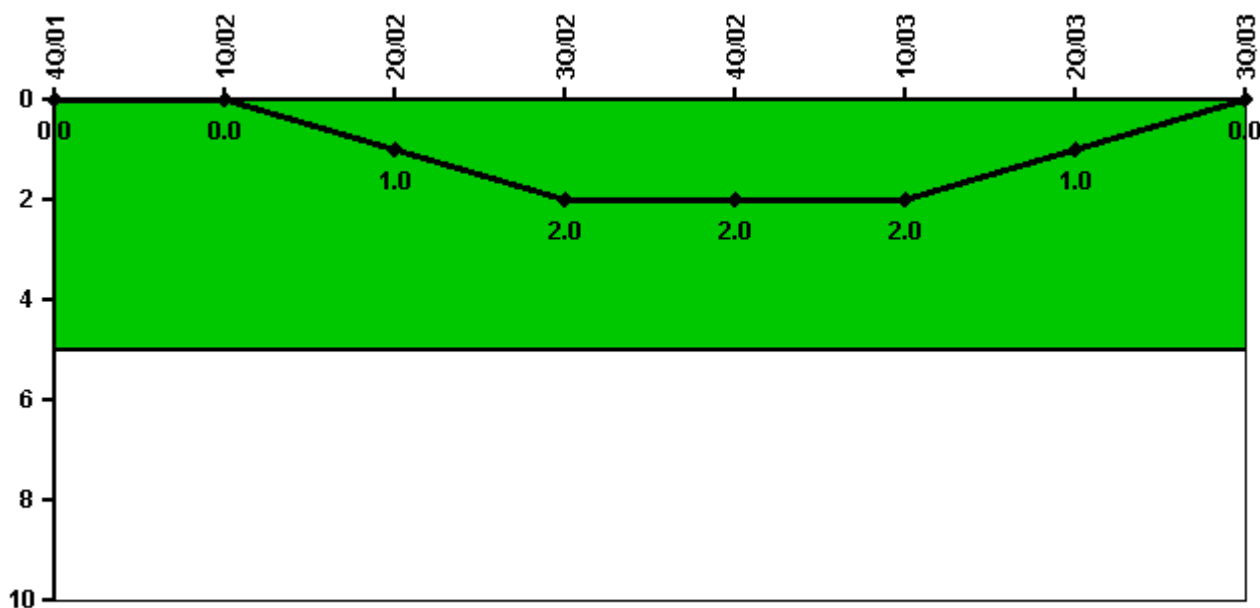
Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0.90	1.00	47.00	0.60	0.70	11.60	0.50	15.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	22.20	13.40	0.20	0.20	0	26.70	0.10	11.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.5%	0.5%	0.6%	0.5%	0.5%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



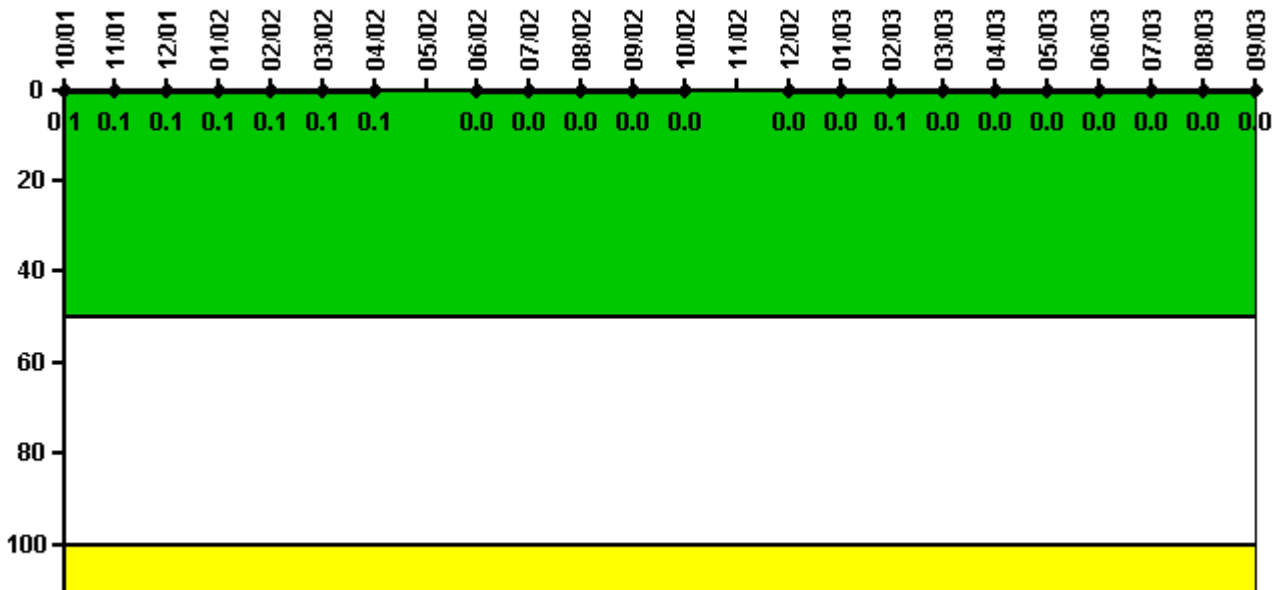
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Safety System Functional Failures	0	0	1	1	0	0	0	0
Indicator value	0	0	1	2	2	2	1	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

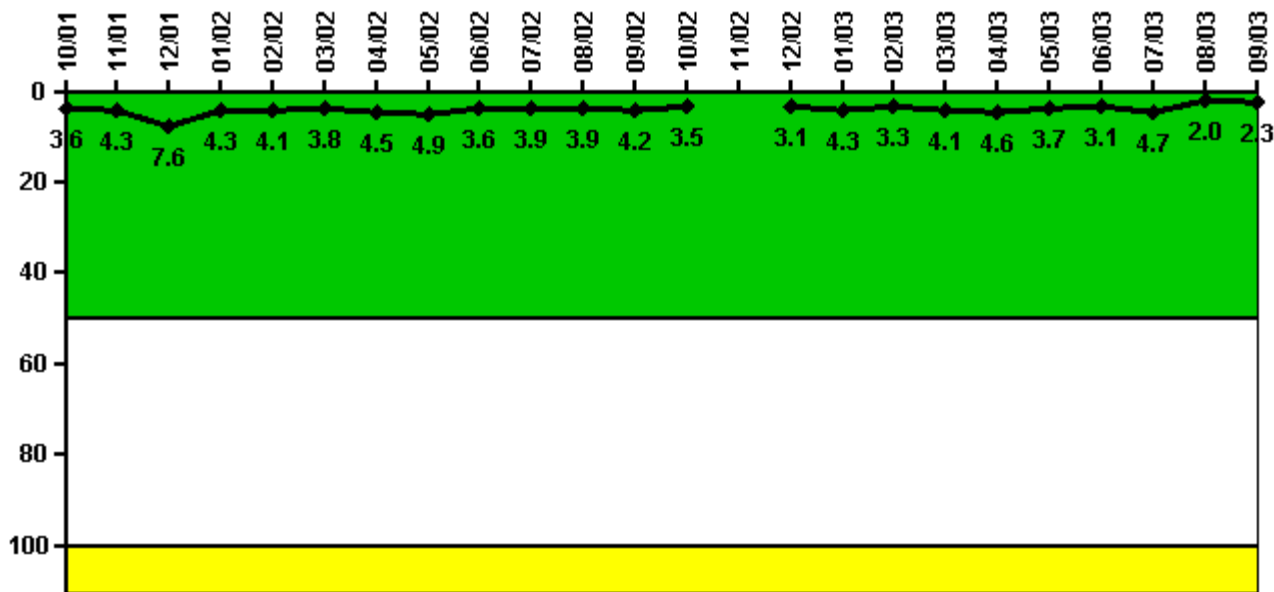
Notes

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000374	0.000445	0.000424	0.000380	0.000407	0.000480	0.000481	N/A	0.000189	0.000249	0.000230	0.000232
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0	0	0	0

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000321	N/A	0.000229	0.000253	0.000552	0.000255	0.000276	0.000275	0.000287	0.000281	0.000286	0.000307
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0
Indicator value	0	N/A	0	0	0.1	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

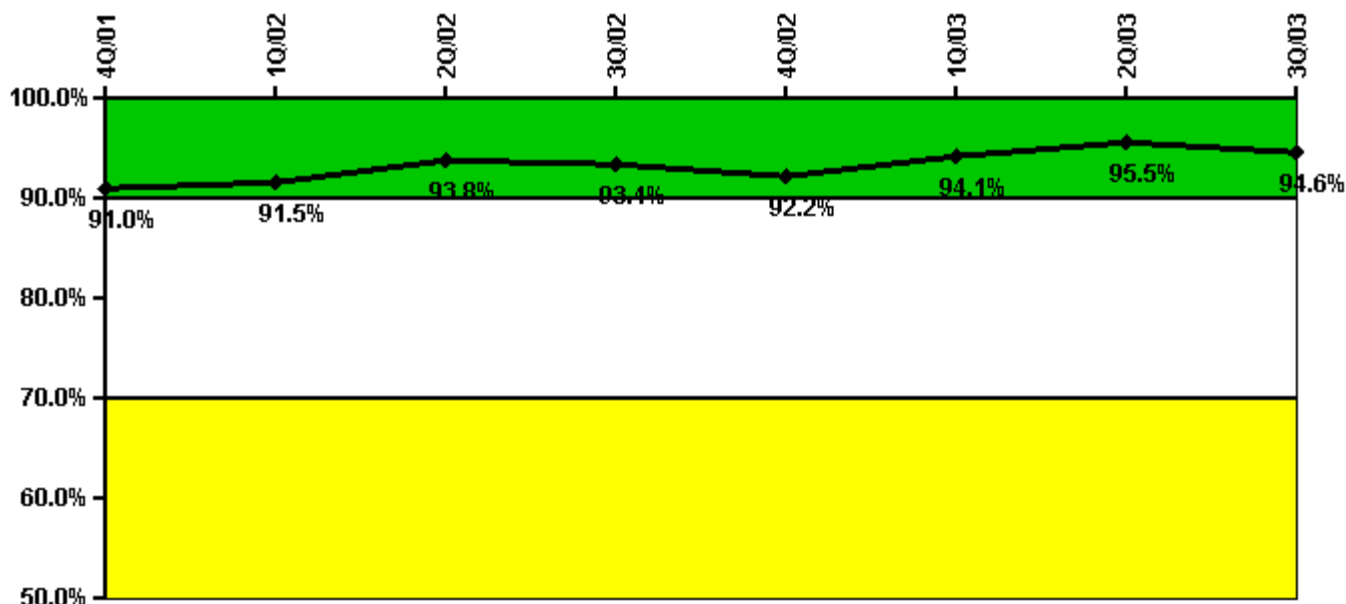
Notes

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.364	0.432	0.755	0.428	0.405	0.375	0.450	0.487	0.360	0.390	0.391	0.420
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	3.6	4.3	7.6	4.3	4.1	3.8	4.5	4.9	3.6	3.9	3.9	4.2

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.348		0.305	0.425	0.332	0.405	0.455	0.366	0.313	0.465	0.198	0.232
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	3.5		3.1	4.3	3.3	4.1	4.6	3.7	3.1	4.7	2.0	2.3

Licensee Comments: none

Drill/Exercise Performance



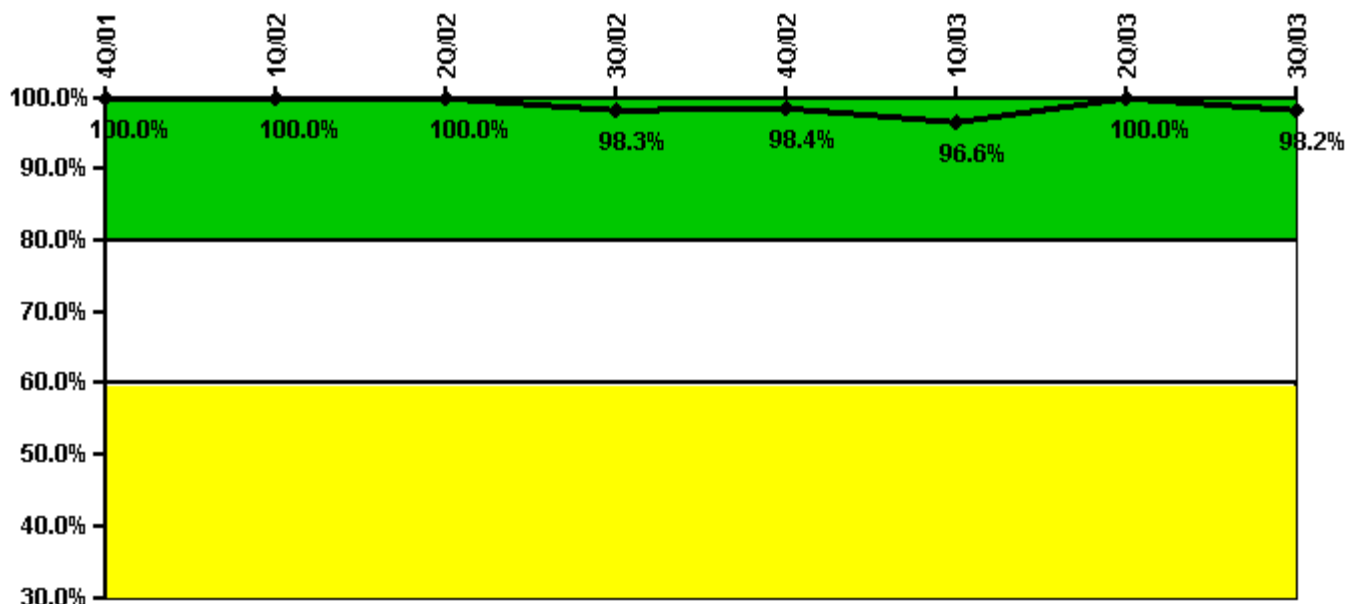
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	9.0	36.0	25.0	9.0	19.0	33.0	57.0	21.0
Total opportunities	10.0	39.0	25.0	11.0	22.0	33.0	58.0	23.0
Indicator value	91.0%	91.5%	93.8%	93.4%	92.2%	94.1%	95.5%	94.6%

Licensee Comments: none

ERO Drill Participation



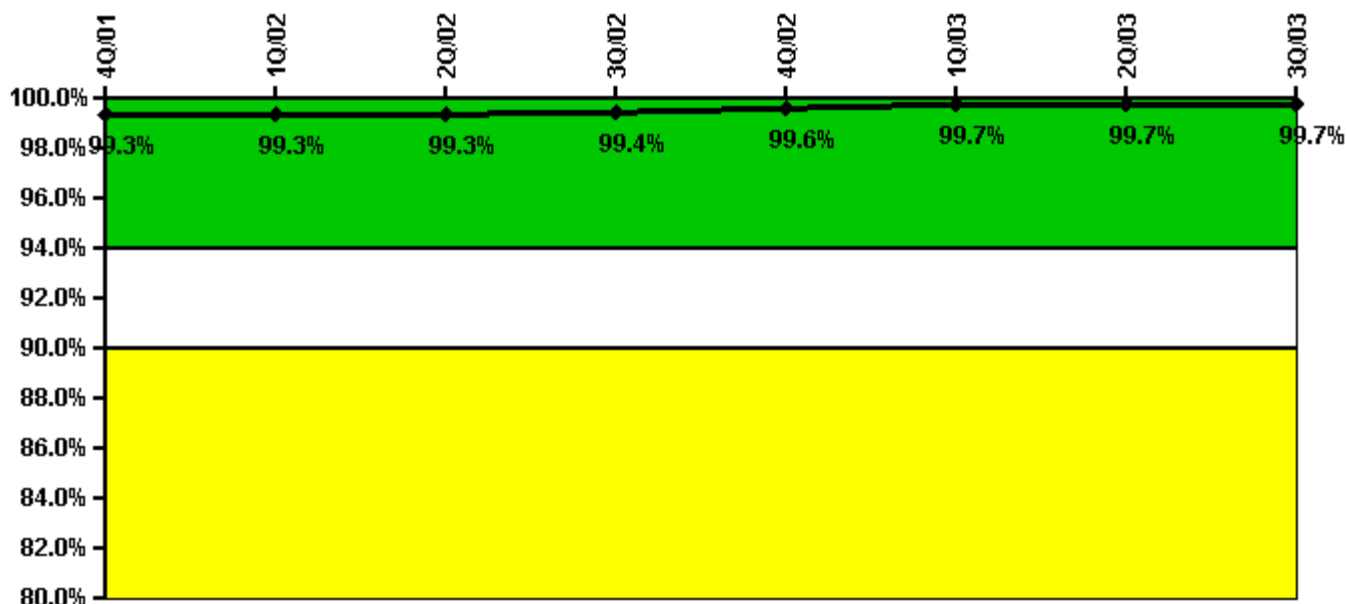
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	61.0	63.0	61.0	59.0	60.0	57.0	55.0	54.0
Total Key personnel	61.0	63.0	61.0	60.0	61.0	59.0	55.0	55.0
Indicator value	100.0%	100.0%	100.0%	98.3%	98.4%	96.6%	100.0%	98.2%

Licensee Comments: none

Alert & Notification System



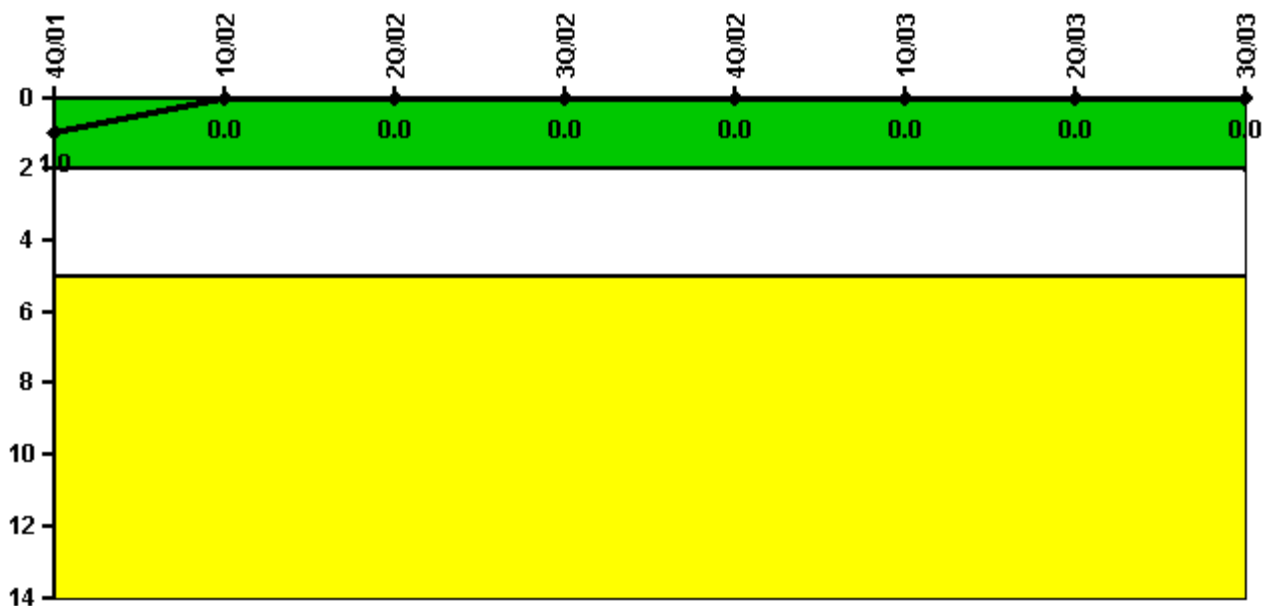
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	1039	911	1042	1045	1047	913	915	1174
Total sirens-tests	1048	917	1048	1048	1048	917	917	1179
Indicator value	99.3%	99.3%	99.3%	99.4%	99.6%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



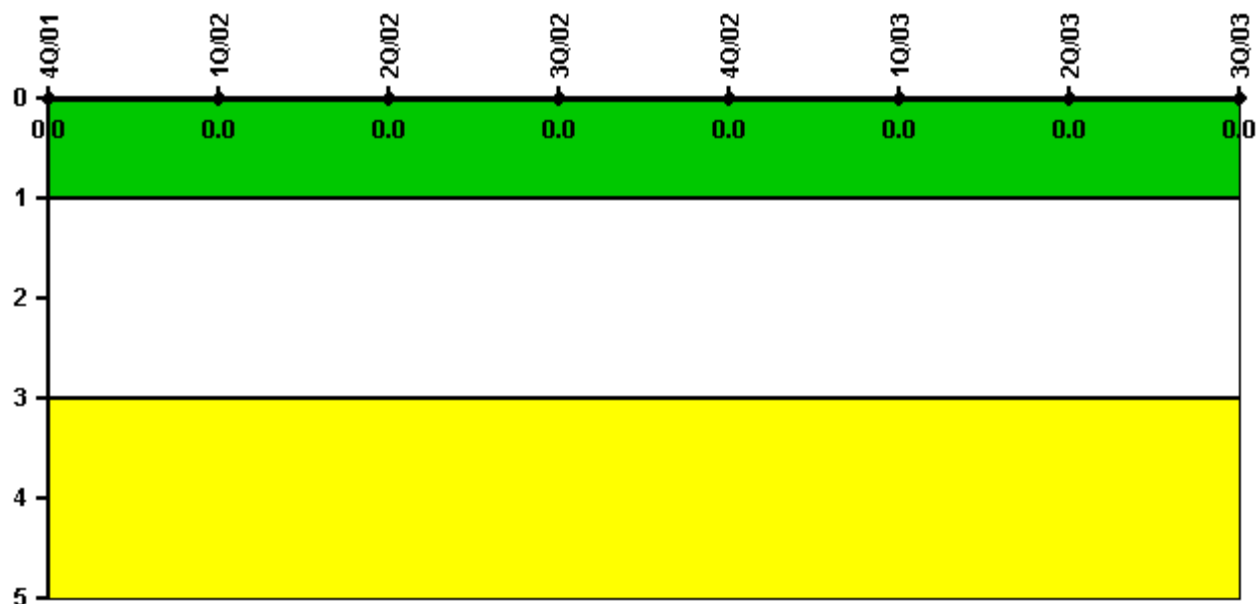
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
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	1	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



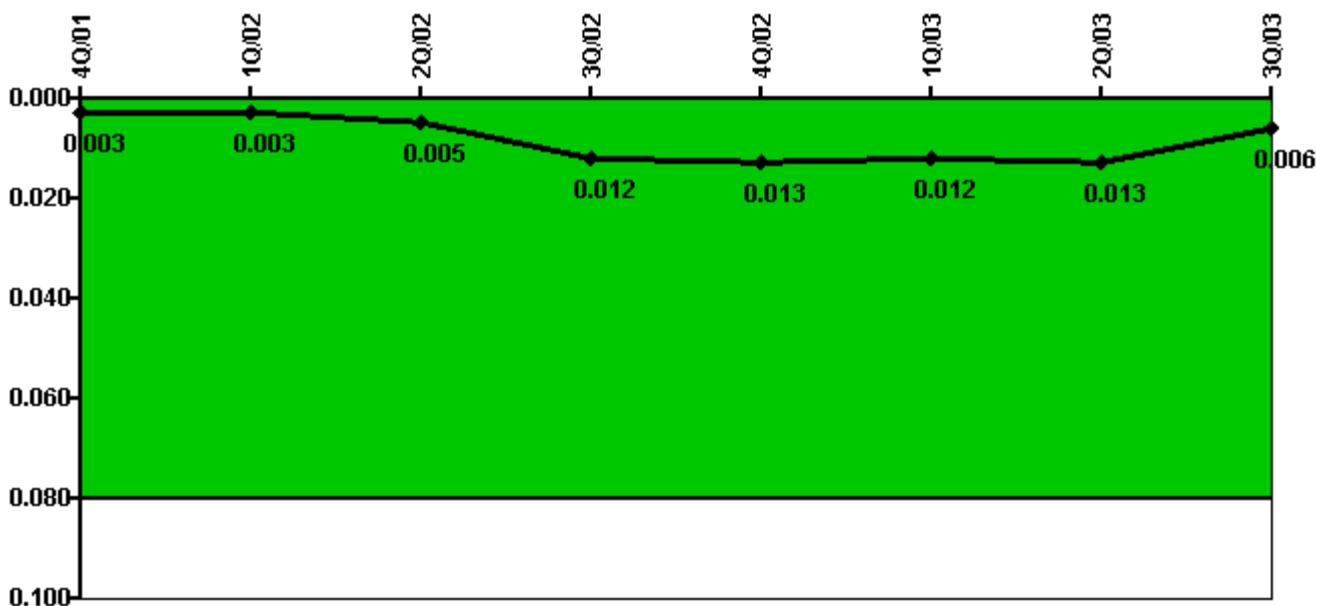
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



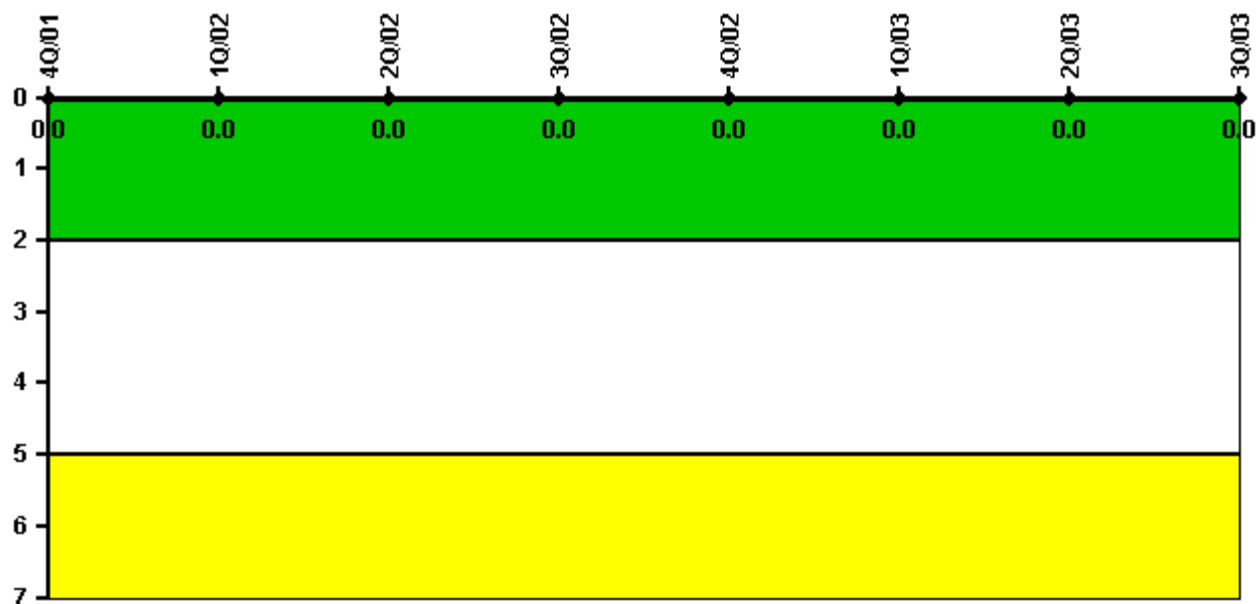
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
IDS compensatory hours	5.90	51.03	79.82	83.58	24.92	2.87	146.33	5.33
CCTV compensatory hours	15.5	0.5	14.2	106.6	32.7	0	8.4	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.003	0.003	0.005	0.012	0.013	0.012	0.013	0.006

Licensee Comments: none

Personnel Screening Program



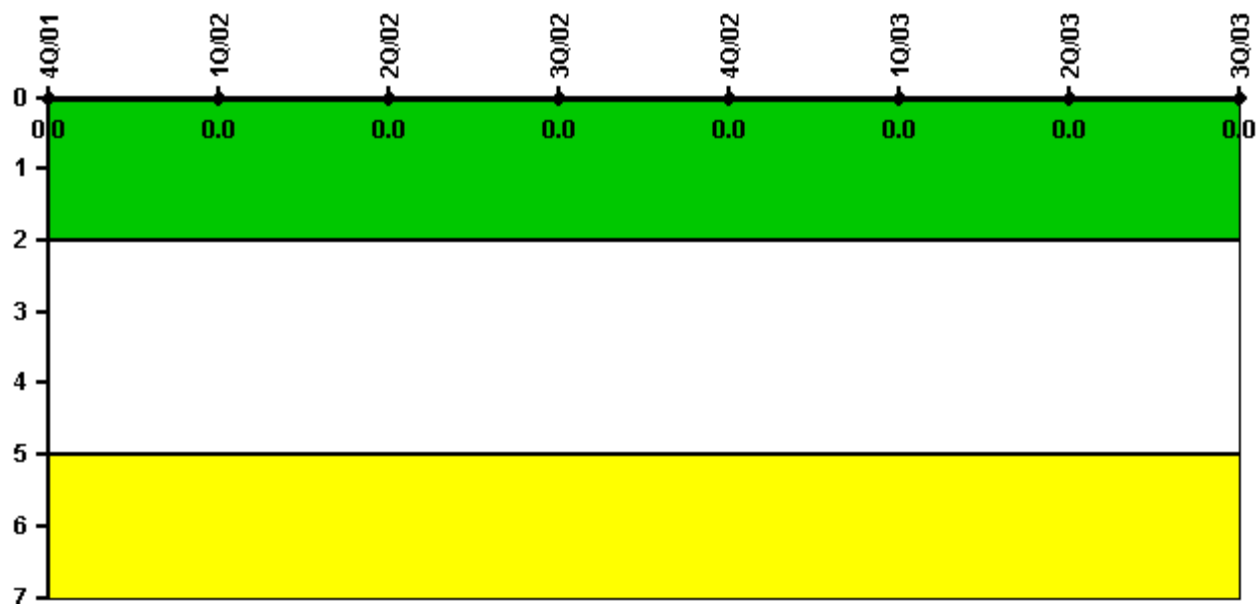
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

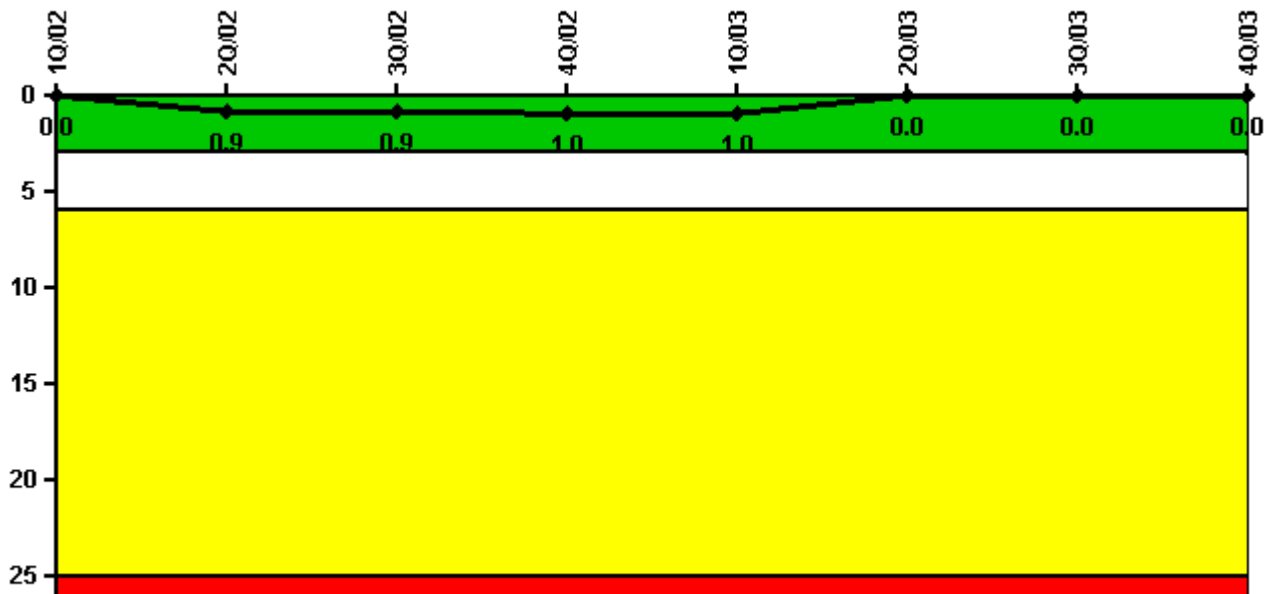
Last Modified: October 22, 2003

Diablo Canyon 1

4Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



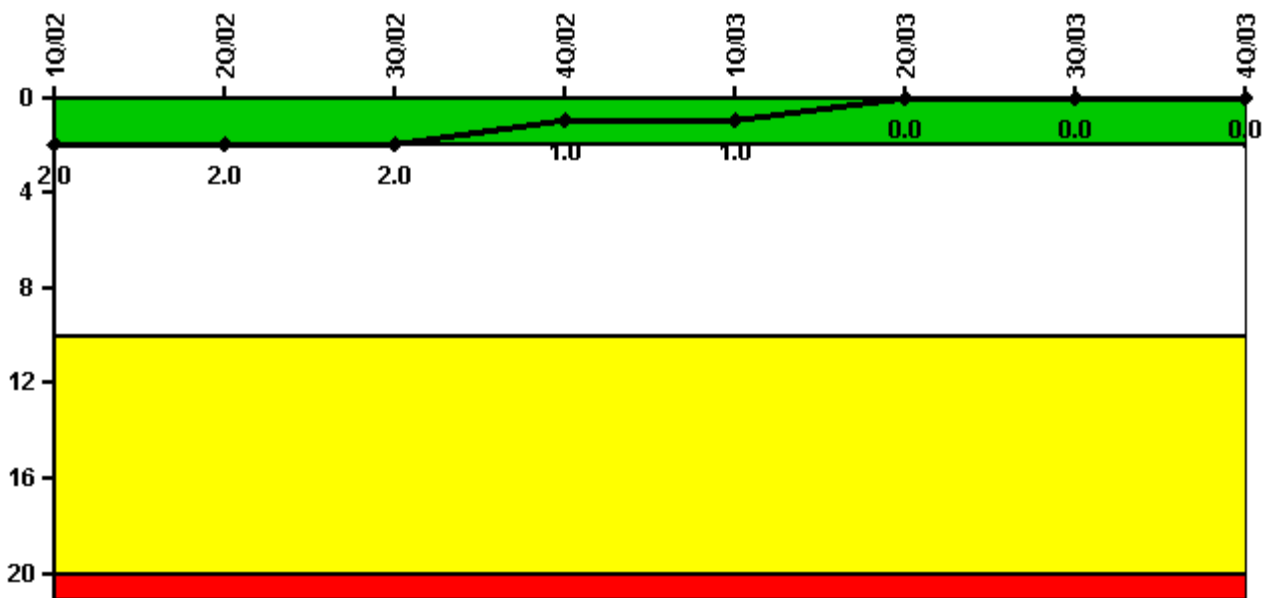
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2160.0	1467.5	2208.0	971.3	2160.0	2183.0	2208.0	2209.0
Indicator value	0	0.9	0.9	1.0	1.0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



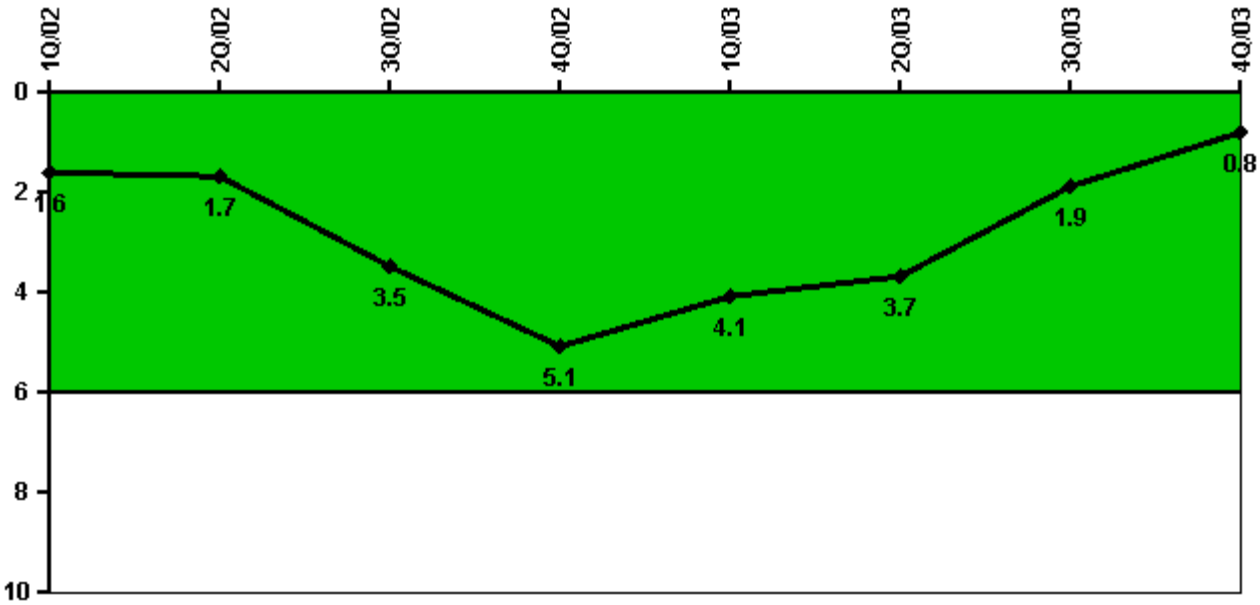
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	1.0	1.0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



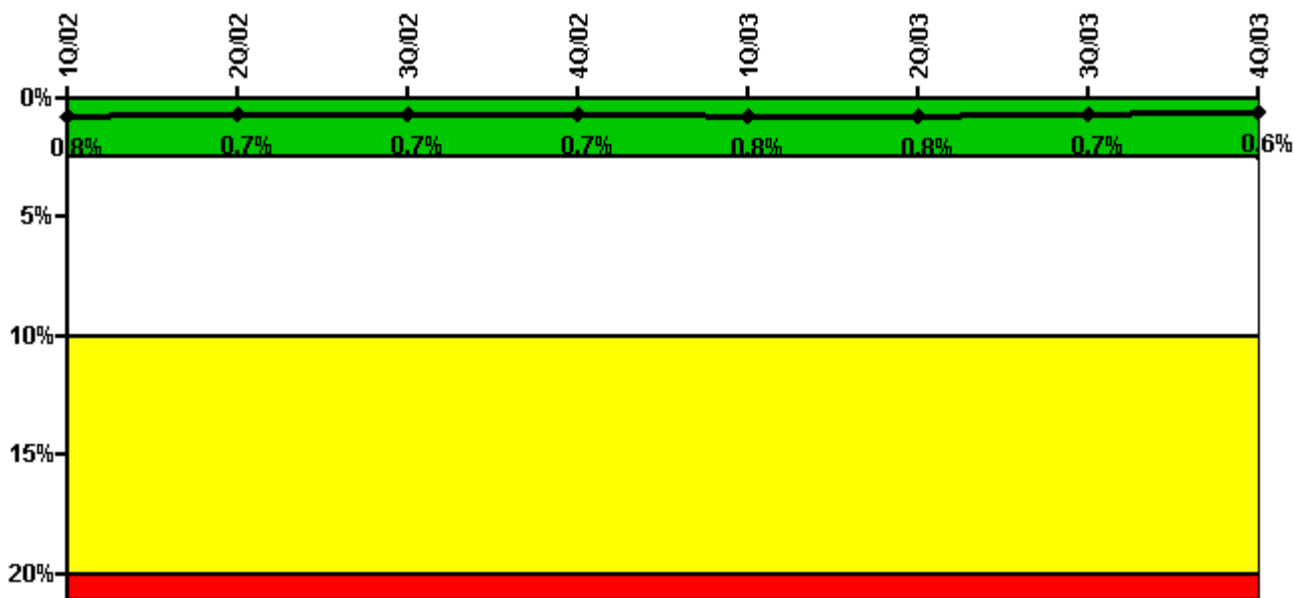
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	1.0	1.0	2.0	1.0	0	1.0	0	0
Critical hours	2160.0	1467.5	2208.0	971.3	2160.0	2183.0	2208.0	2209.0
Indicator value	1.6	1.7	3.5	5.1	4.1	3.7	1.9	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



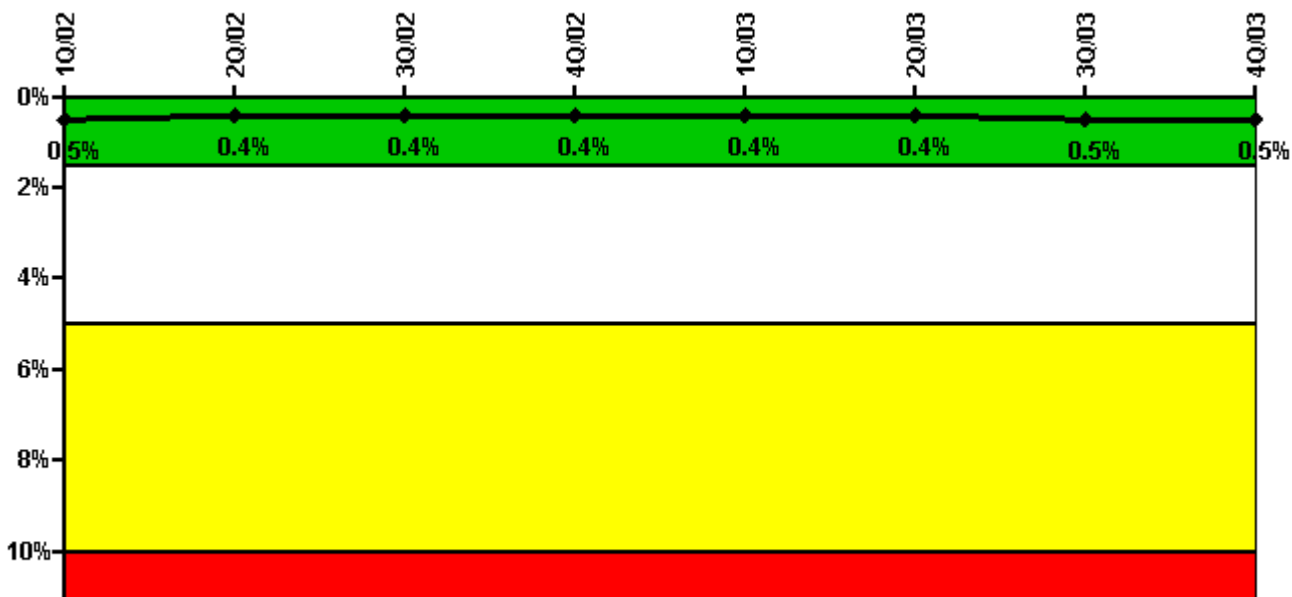
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0	4.40	0	13.20	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	15.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.10	2.20	0	18.00	0	0	14.40	0
Unplanned unavailable hours	0	11.90	0.10	0	0	0.20	4.90	0.25
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	19.90	5.20	0	0	0	0	0	0
Unplanned unavailable hours	0	2.40	79.00	0	120.30	28.90	2.90	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.8%	0.7%	0.7%	0.7%	0.8%	0.8%	0.7%	0.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

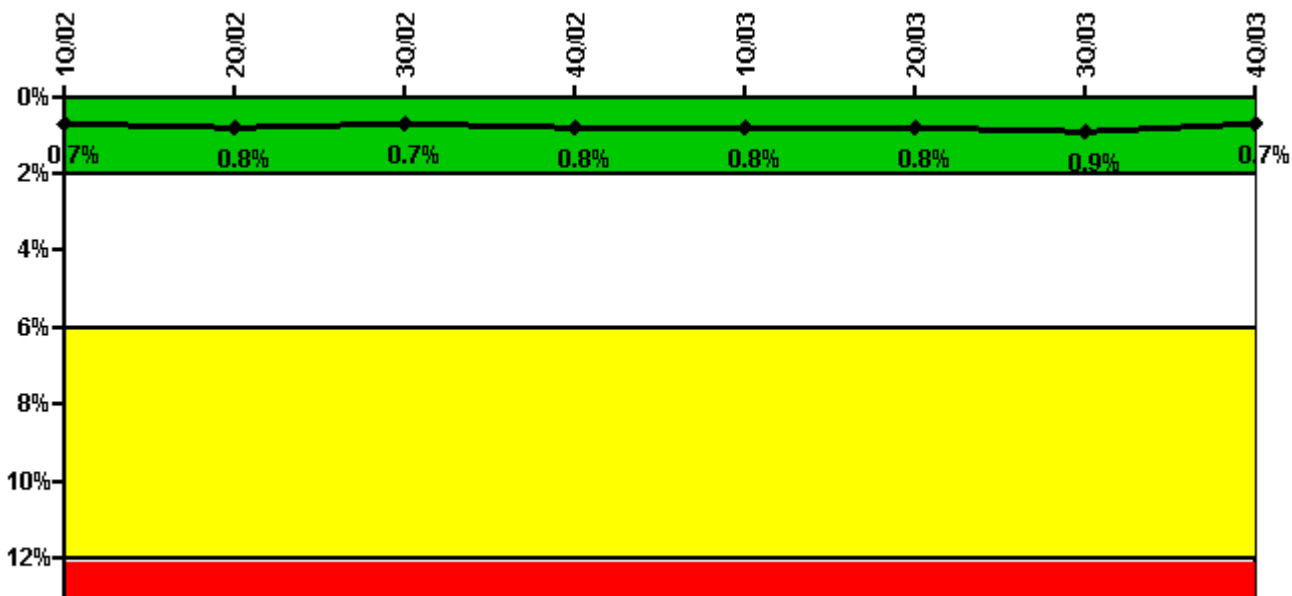
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	60.30	0	0	0	0	0	87.50	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	19.00	0	13.50	0	12.90	9.43
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	14.71	0.44	19.50	0.20	0.40	14.30	0.40	12.59
Unplanned unavailable hours	0	0	0	0	0	0	1.90	12.58
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00
Train 4								

Planned unavailable hours	13.50	0.10	0	0.10	16.60	0.10	10.10	0
Unplanned unavailable hours	0	0	0	0	0	0	1.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00
Indicator value	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

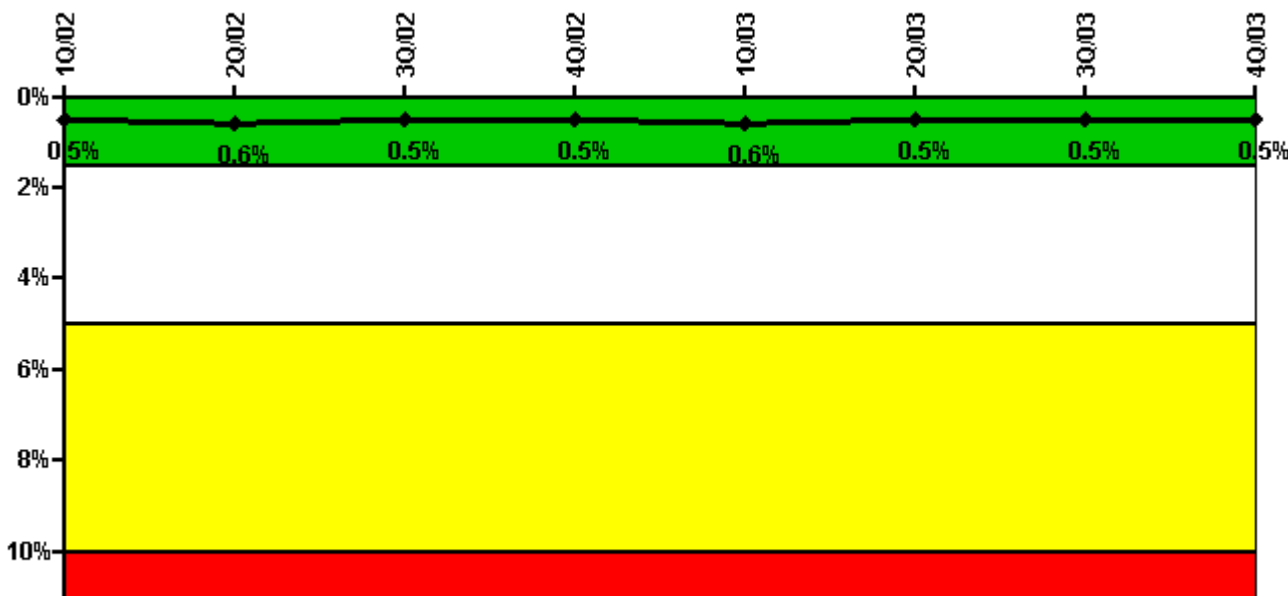
Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	2.20	33.10	2.90	22.10	1.00	30.70	11.70	2.05
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.90	24.20	17.30	19.10	2.10	1.00	24.40	0.85
Unplanned unavailable hours	0	0	0	0	0	44.00	0	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	6.00	20.00	16.10	0	36.00	1.70	0	13.68
Unplanned unavailable hours	0	0	0	0	0	0	52.60	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00
Indicator value	0.7%	0.8%	0.7%	0.8%	0.8%	0.8%	0.9%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

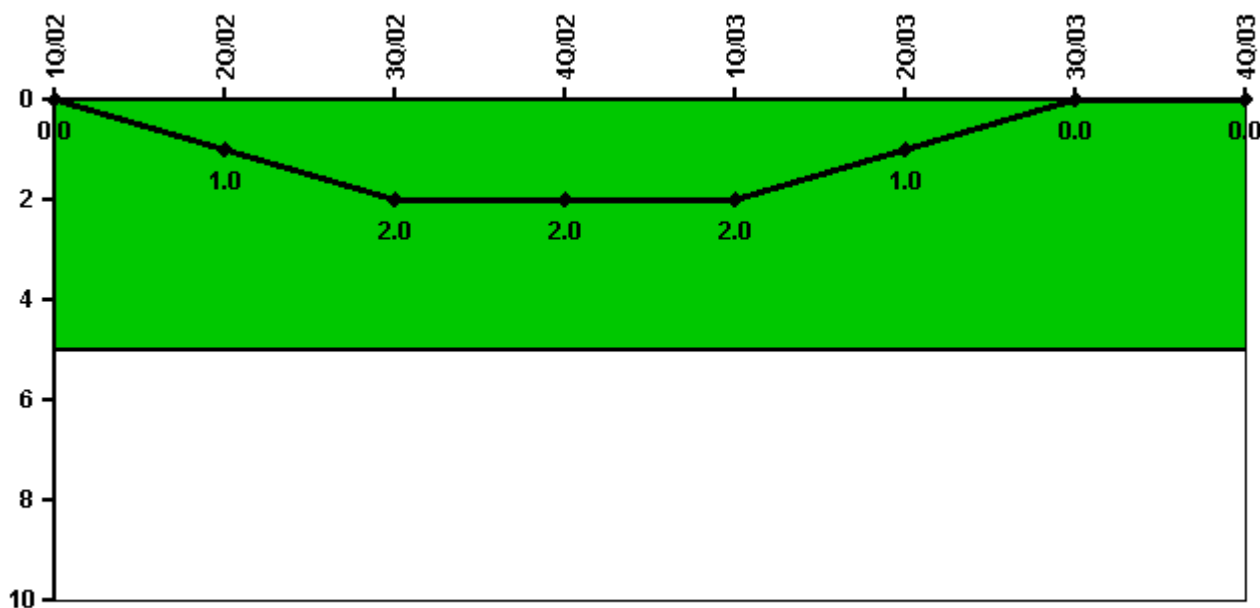
Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	1.00	47.00	0.60	0.70	11.60	0.50	15.40	0.67
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	13.40	0.20	0.20	0	26.70	0.10	11.10	1.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.5%	0.6%	0.5%	0.5%	0.6%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



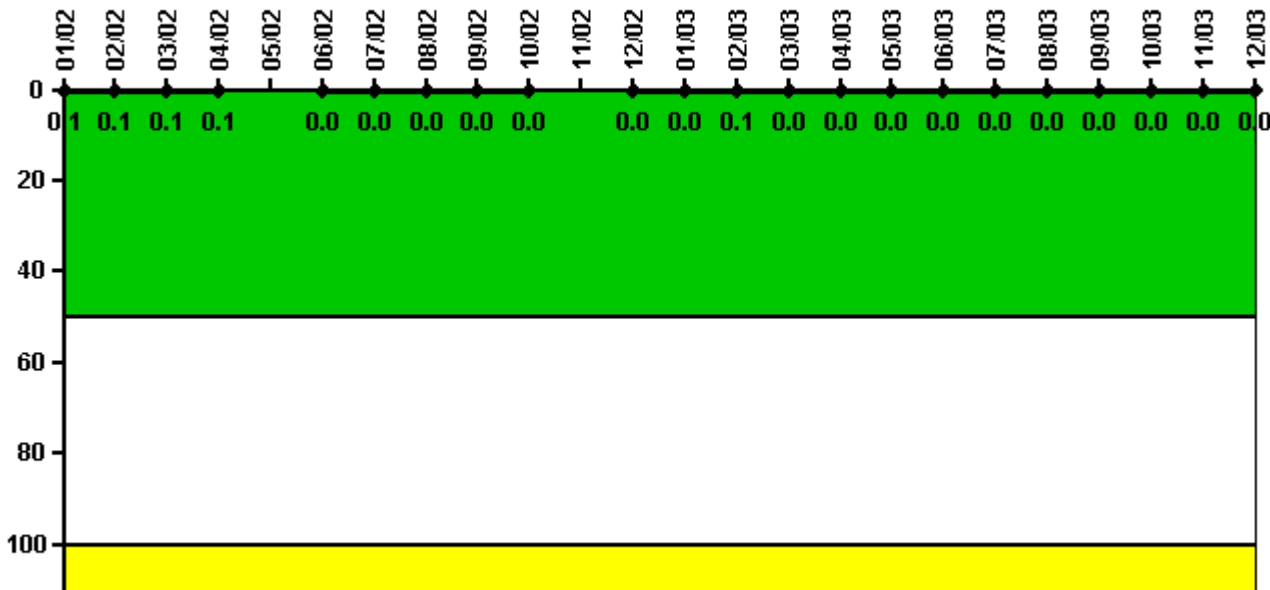
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Safety System Functional Failures	0	1	1	0	0	0	0	0
Indicator value	0	1	2	2	2	1	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

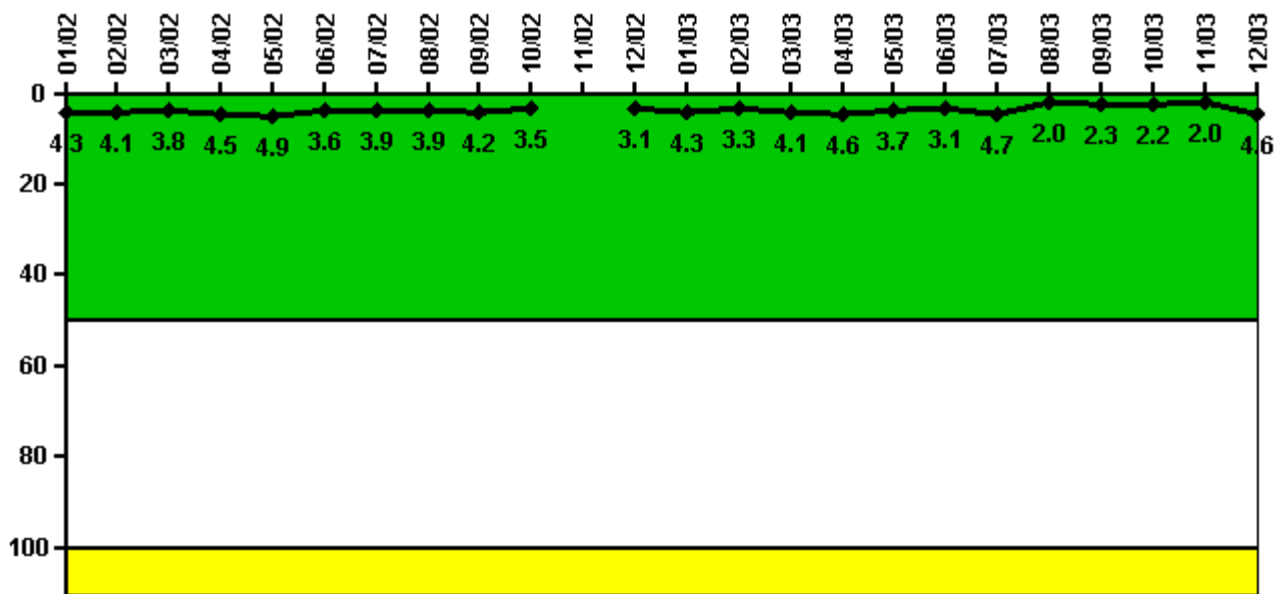
Notes

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000380	0.000407	0.000480	0.000481	N/A	0.000189	0.000249	0.000230	0.000232	0.000321	N/A	0.000229
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	0.1	0.1	0.1	N/A	0	0	0	0	0	N/A	0

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.000253	0.000552	0.000255	0.000276	0.000275	0.000287	0.000281	0.000286	0.000307	0.000299	0.000290	0.000305
Technical specification limit	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0.1	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

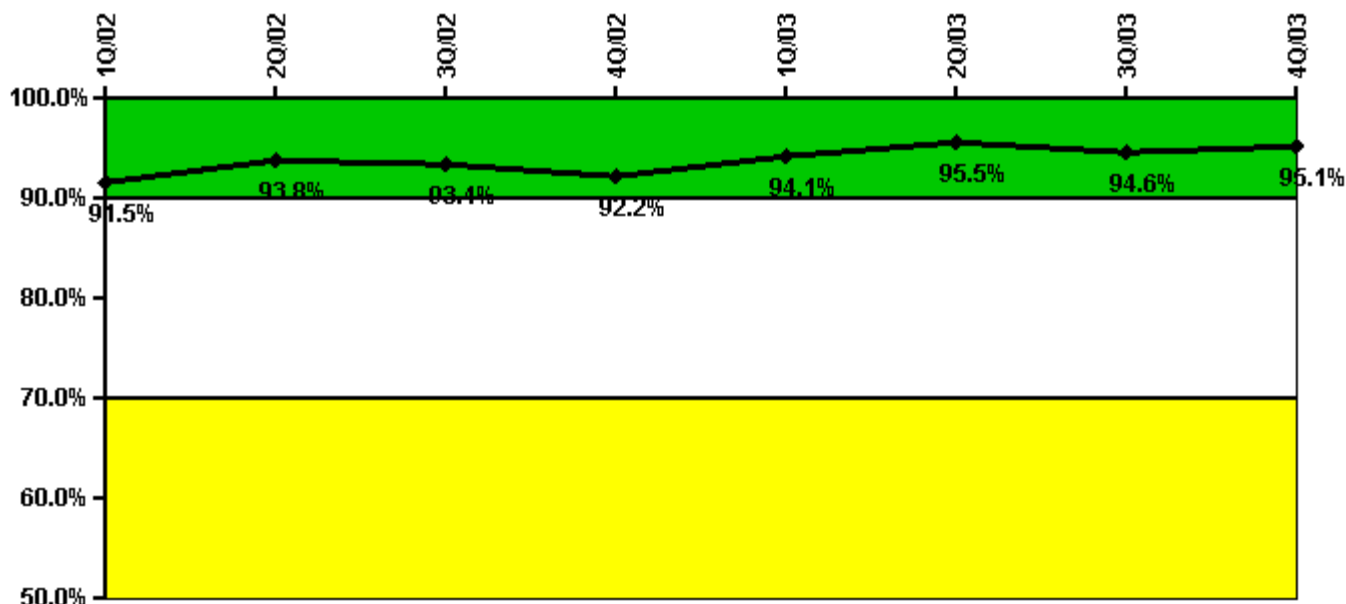
Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.428	0.405	0.375	0.450	0.487	0.360	0.390	0.391	0.420	0.348		0.305
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	4.3	4.1	3.8	4.5	4.9	3.6	3.9	3.9	4.2	3.5		3.1

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	0.425	0.332	0.405	0.455	0.366	0.313	0.465	0.198	0.232	0.217	0.197	0.459
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	4.3	3.3	4.1	4.6	3.7	3.1	4.7	2.0	2.3	2.2	2.0	4.6

Licensee Comments: none

Drill/Exercise Performance



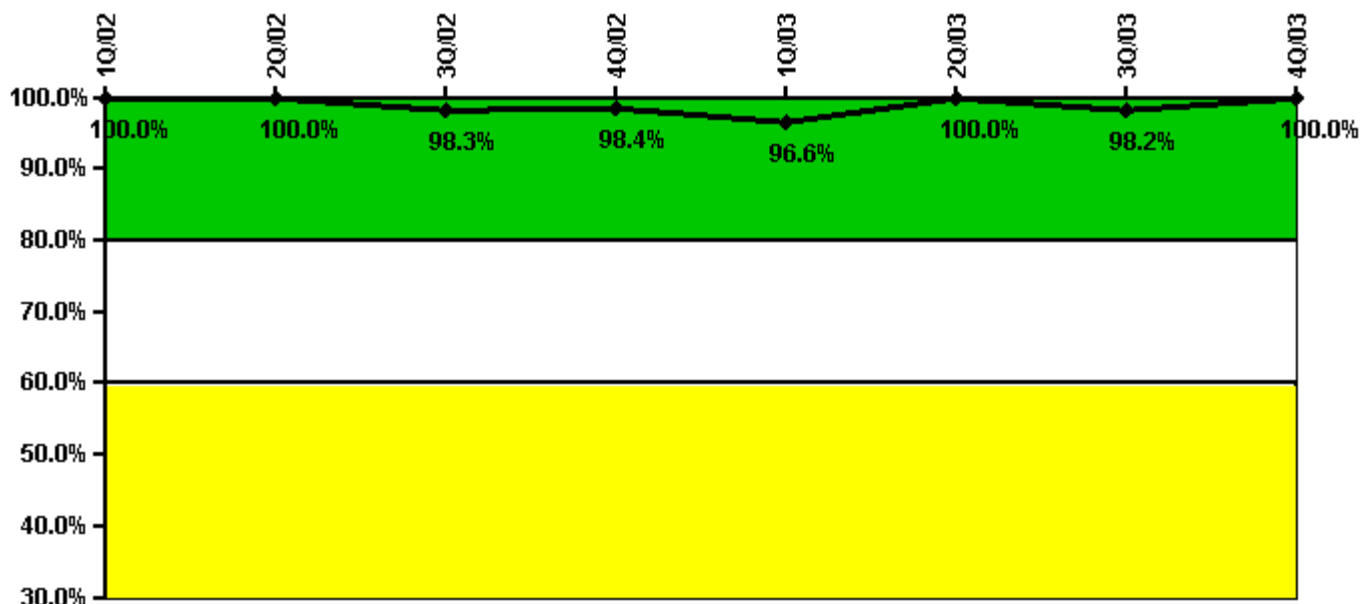
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	36.0	25.0	9.0	19.0	33.0	57.0	21.0	15.0
Total opportunities	39.0	25.0	11.0	22.0	33.0	58.0	23.0	15.0
Indicator value	91.5%	93.8%	93.4%	92.2%	94.1%	95.5%	94.6%	95.1%

Licensee Comments: none

ERO Drill Participation



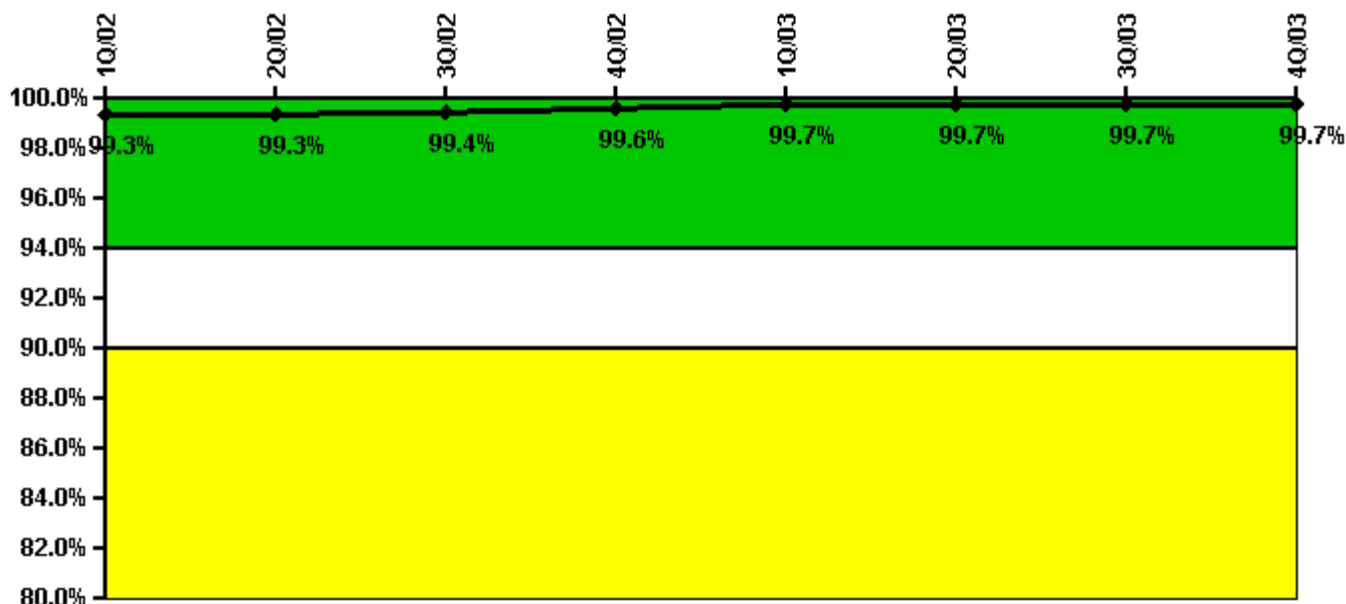
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	63.0	61.0	59.0	60.0	57.0	55.0	54.0	54.0
Total Key personnel	63.0	61.0	60.0	61.0	59.0	55.0	55.0	54.0
Indicator value	100.0%	100.0%	98.3%	98.4%	96.6%	100.0%	98.2%	100.0%

Licensee Comments: none

Alert & Notification System



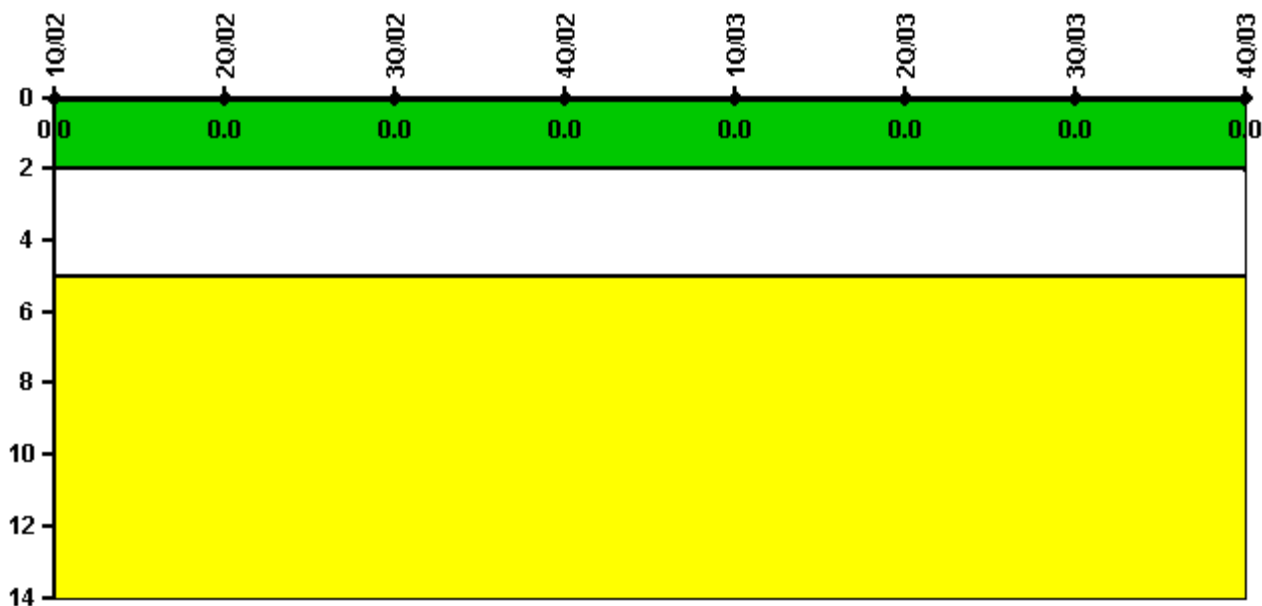
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	911	1042	1045	1047	913	915	1174	1046
Total sirens-tests	917	1048	1048	1048	917	917	1179	1048
Indicator value	99.3%	99.3%	99.4%	99.6%	99.7%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
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



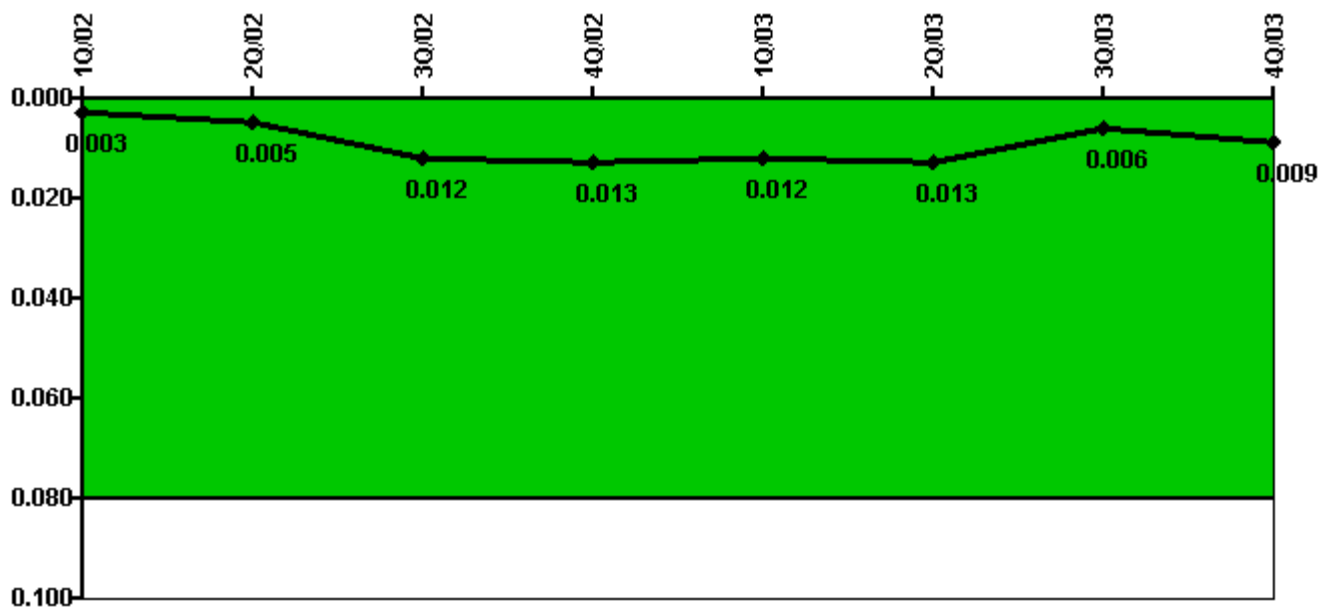
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



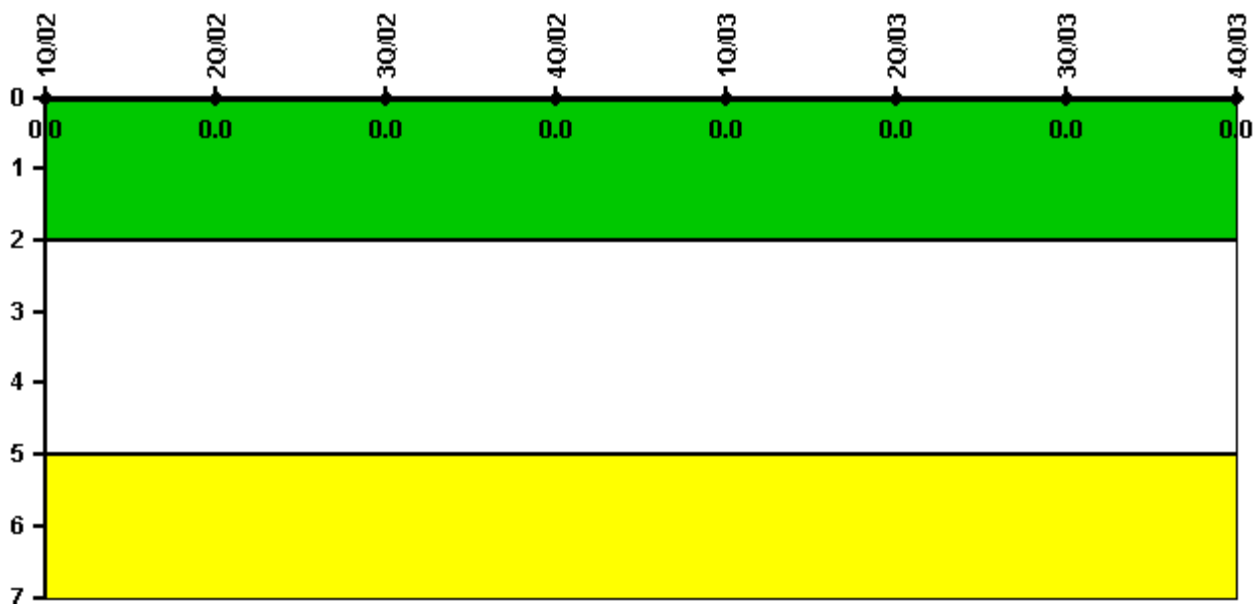
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	51.03	79.82	83.58	24.92	2.87	146.33	5.33	185.02
CCTV compensatory hours	0.5	14.2	106.6	32.7	0	8.4	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.003	0.005	0.012	0.013	0.012	0.013	0.006	0.009

Licensee Comments: none

Personnel Screening Program



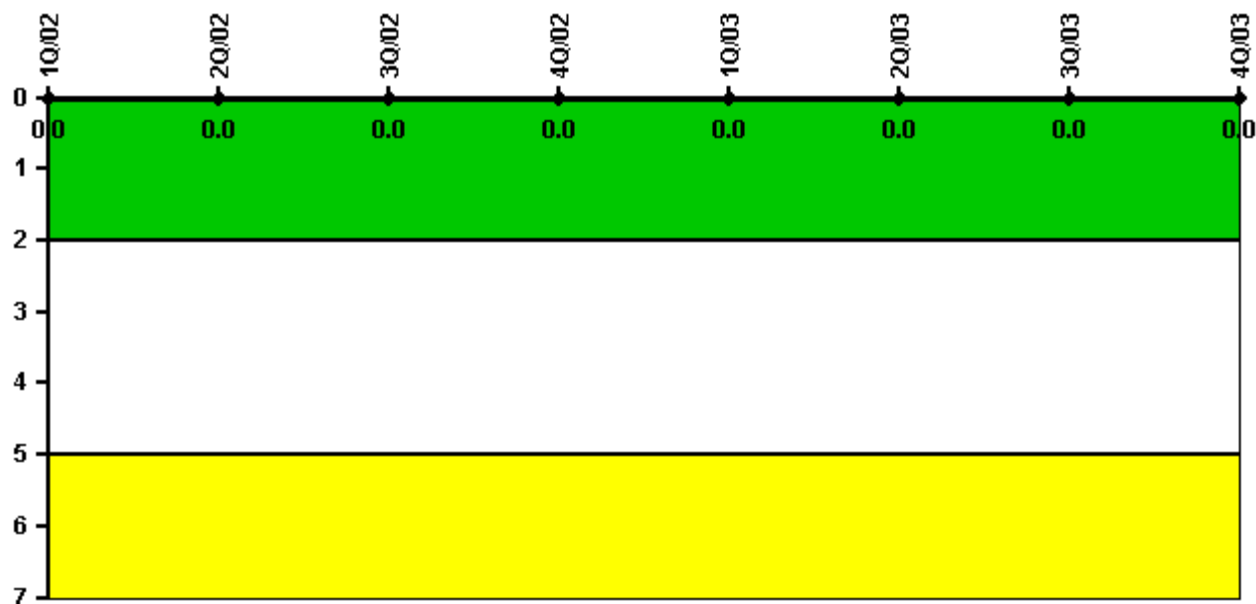
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

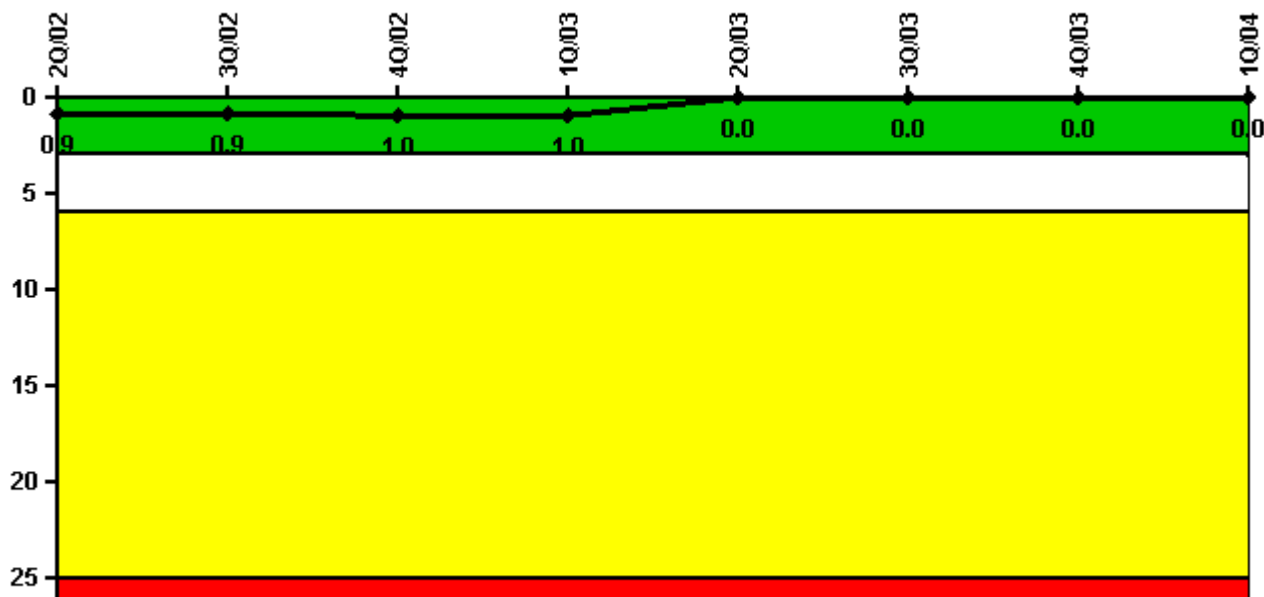
Last Modified: January 23, 2004

Diablo Canyon 1

1Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



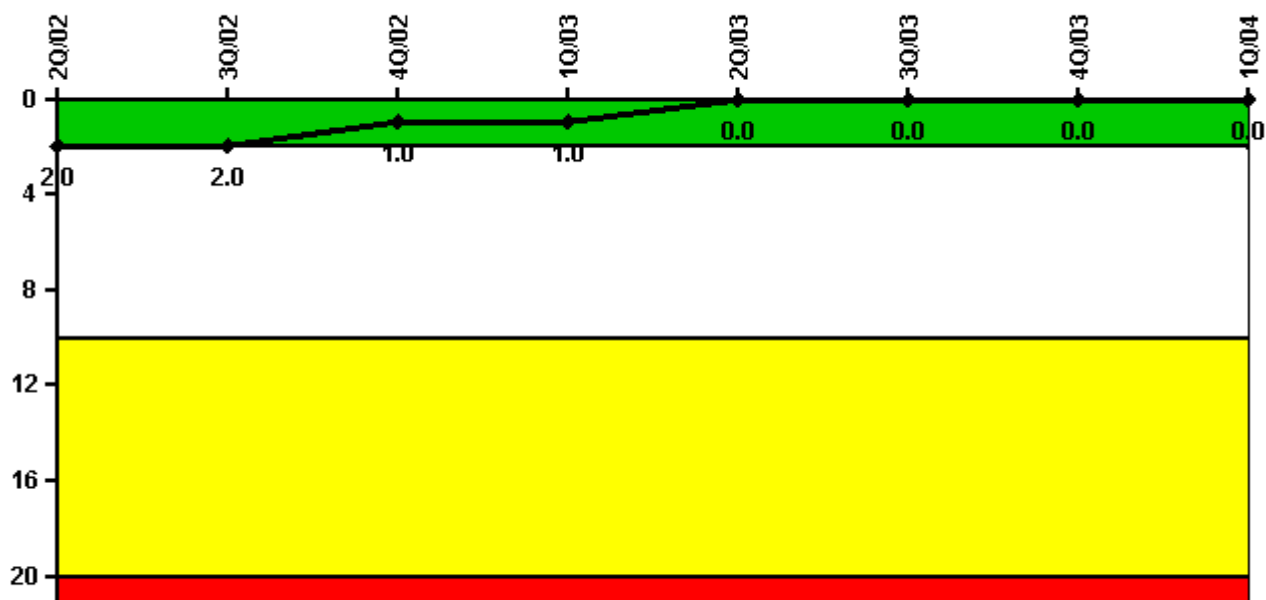
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1467.5	2208.0	971.3	2160.0	2183.0	2208.0	2209.0	1947.5
Indicator value	0.9	0.9	1.0	1.0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



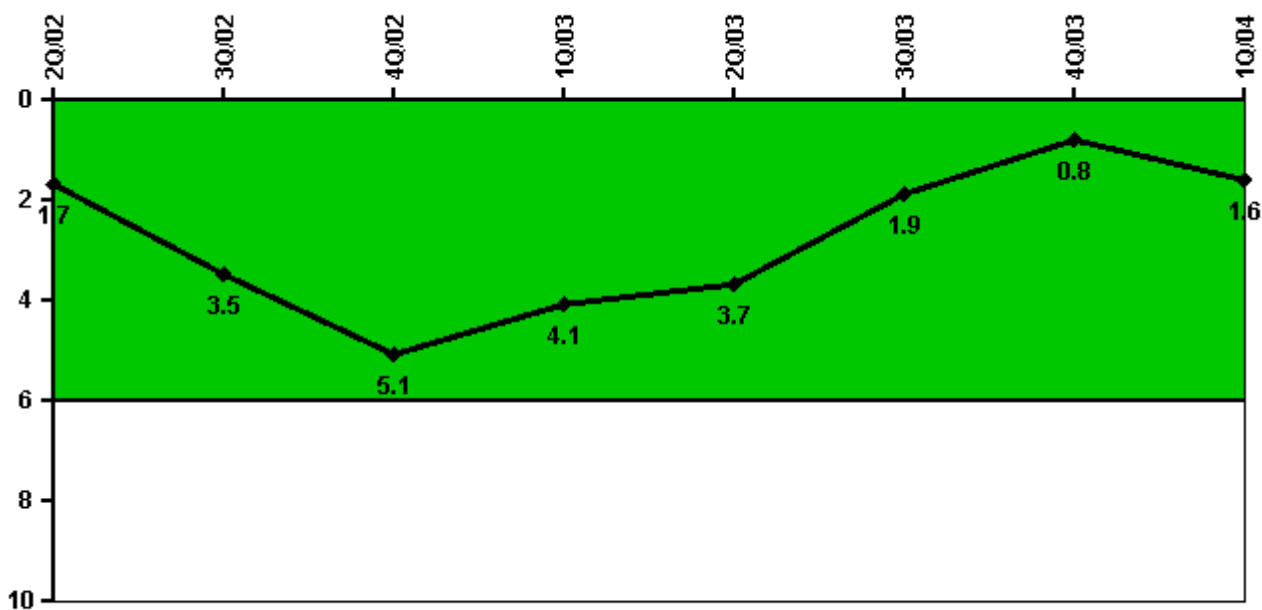
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	1.0	1.0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



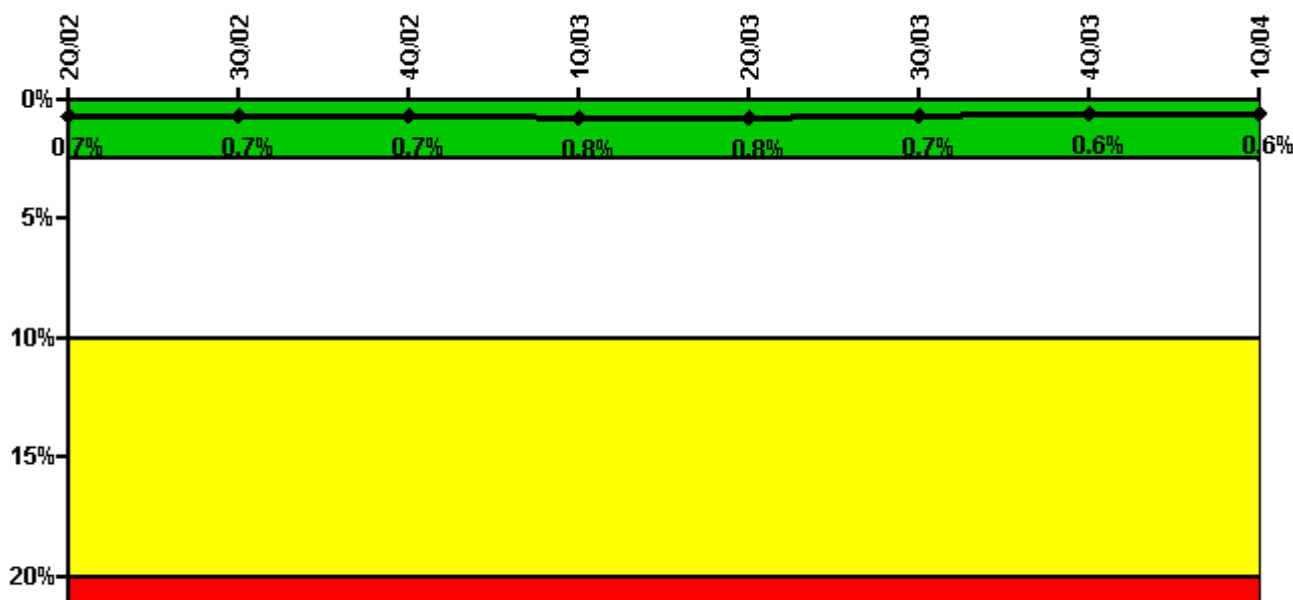
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	1.0	2.0	1.0	0	1.0	0	0	1.0
Critical hours	1467.5	2208.0	971.3	2160.0	2183.0	2208.0	2209.0	1947.5
Indicator value	1.7	3.5	5.1	4.1	3.7	1.9	0.8	1.6

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



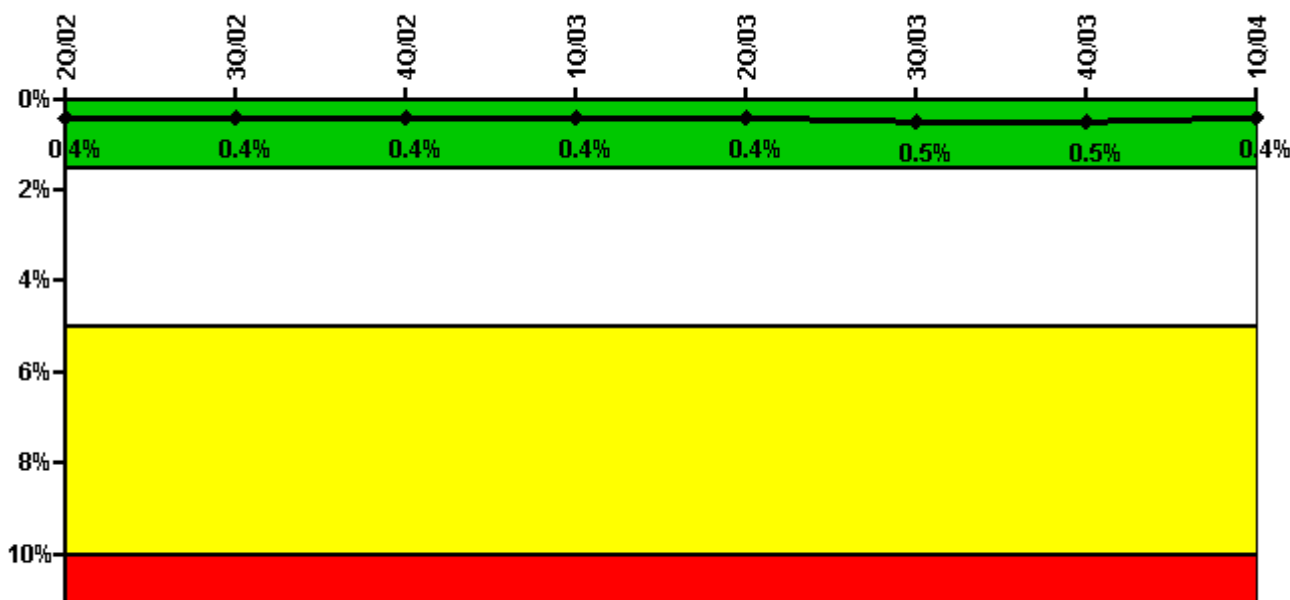
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	4.40	0	13.20	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	15.50	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	2.20	0	18.00	0	0	14.40	0	11.57
Unplanned unavailable hours	11.90	0.10	0	0	0.20	4.90	0.25	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3								
Planned unavailable hours	5.20	0	0	0	0	0	0	0
Unplanned unavailable hours	2.40	79.00	0	120.30	28.90	2.90	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.7%	0.7%	0.7%	0.8%	0.8%	0.7%	0.6%	0.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



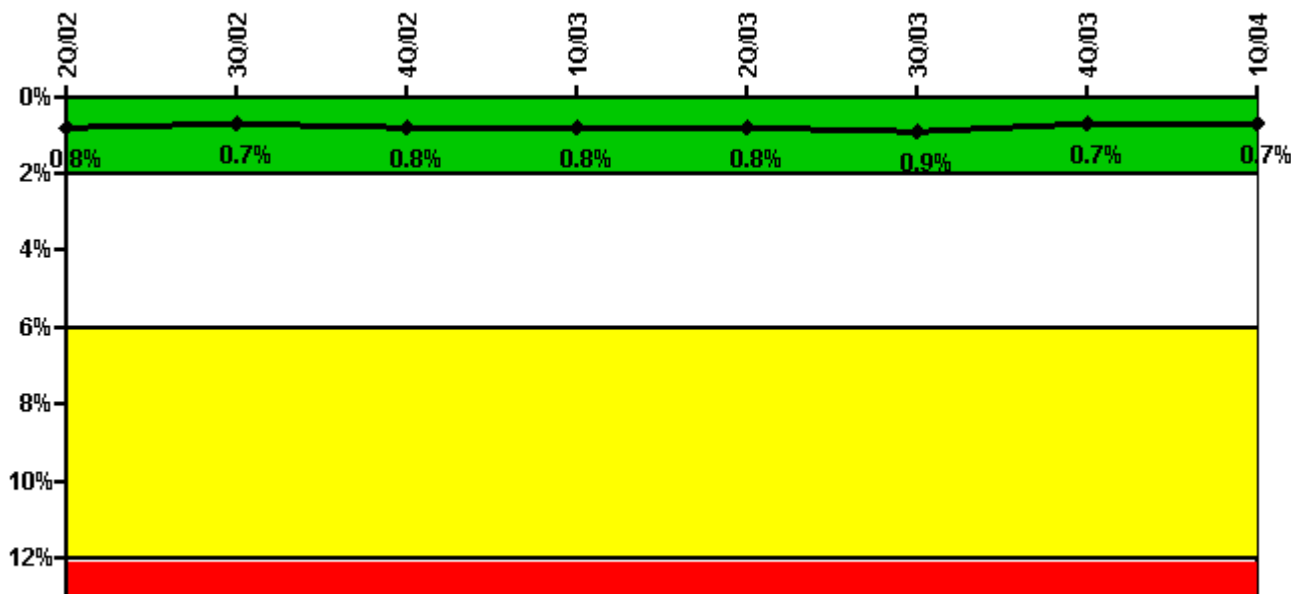
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0	0	0	0	0	87.50	0	12.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50
Train 2								
Planned unavailable hours	0	19.00	0	13.50	0	12.90	9.43	9.58
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50
Train 3								
Planned unavailable hours	0.44	19.50	0.20	0.40	14.30	0.40	12.59	1.01
Unplanned unavailable hours	0	0	0	0	0	1.90	12.58	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50
Train 4								
Planned unavailable hours	0.10	0	0.10	16.60	0.10	10.10	0	0.72
Unplanned unavailable hours	0	0	0	0	0	1.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



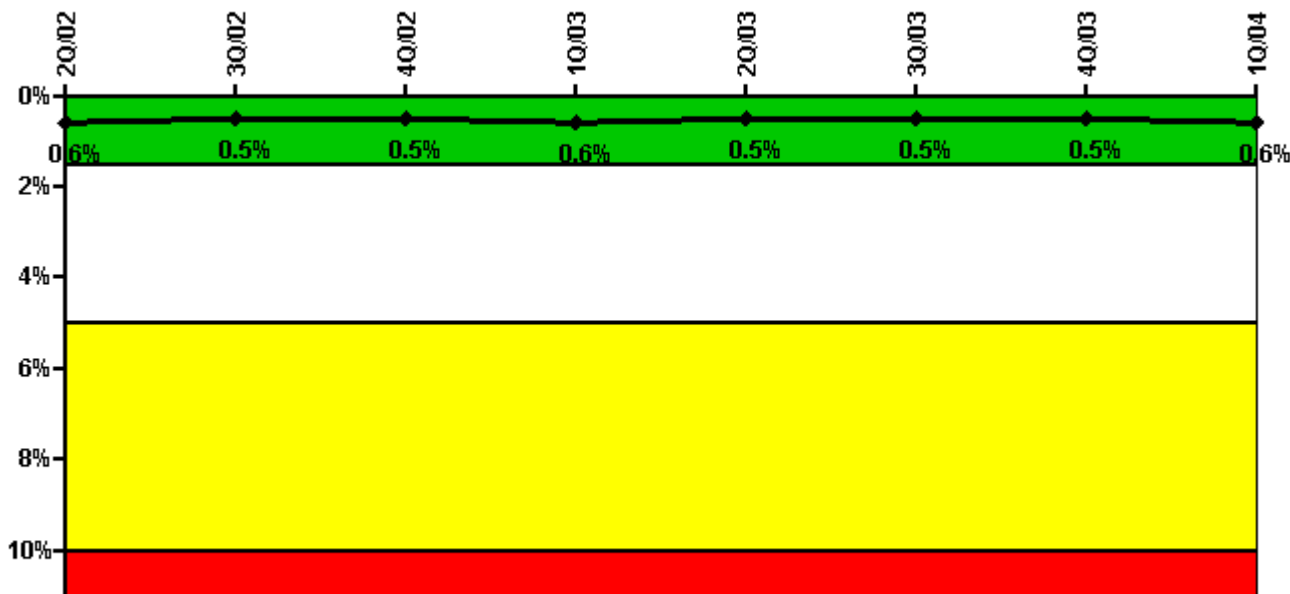
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	33.10	2.90	22.10	1.00	30.70	11.70	2.05	11.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50
Train 2								
Planned unavailable hours	24.20	17.30	19.10	2.10	1.00	24.40	0.85	2.00
Unplanned unavailable hours	0	0	0	0	44.00	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50
Train 3								
Planned unavailable hours	20.00	16.10	0	36.00	1.70	0	13.68	0.48
Unplanned unavailable hours	0	0	0	0	0	52.60	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1509.60	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50
Indicator value	0.8%	0.7%	0.8%	0.8%	0.8%	0.9%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



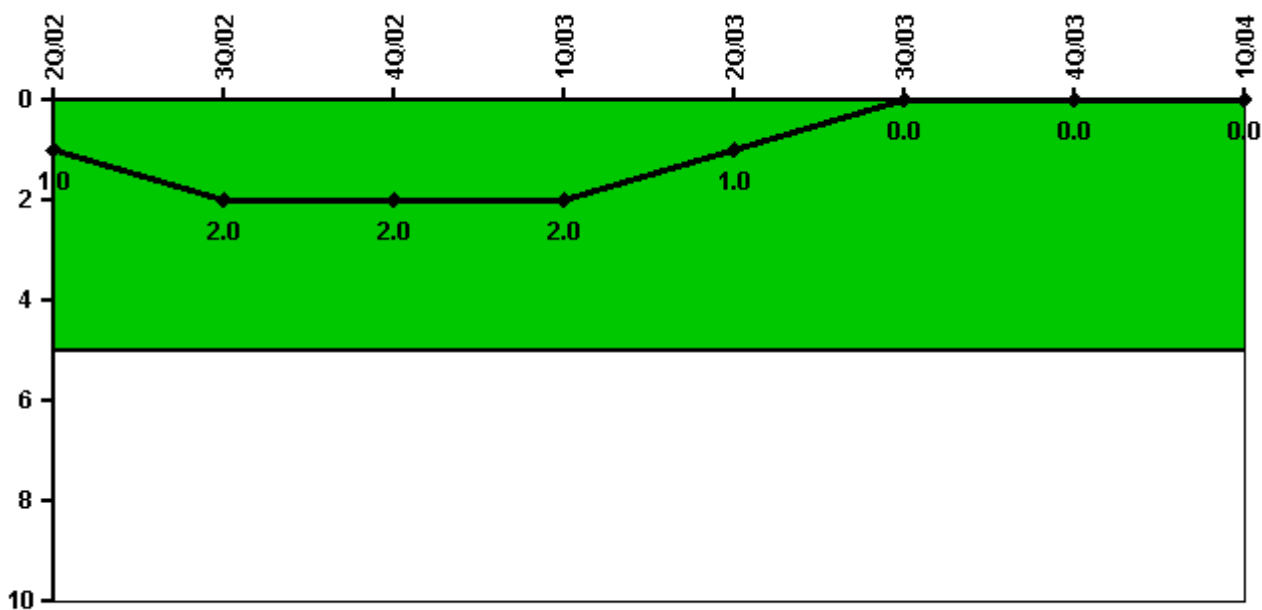
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	47.00	0.60	0.70	11.60	0.50	15.40	0.67	22.53
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	0.20	0.20	0	26.70	0.10	11.10	1.30	22.87
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.6%	0.5%	0.5%	0.6%	0.5%	0.5%	0.5%	0.6%

Licensee Comments: none

Safety System Functional Failures (PWR)



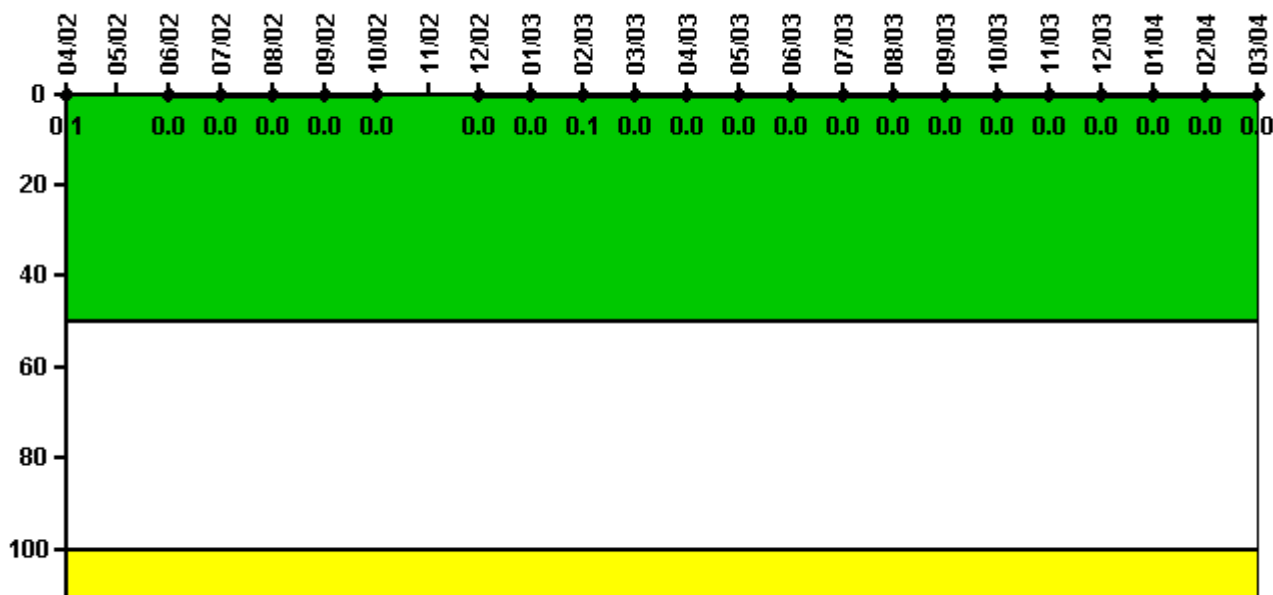
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Safety System Functional Failures	1	1	0	0	0	0	0	0
Indicator value	1	2	2	2	1	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

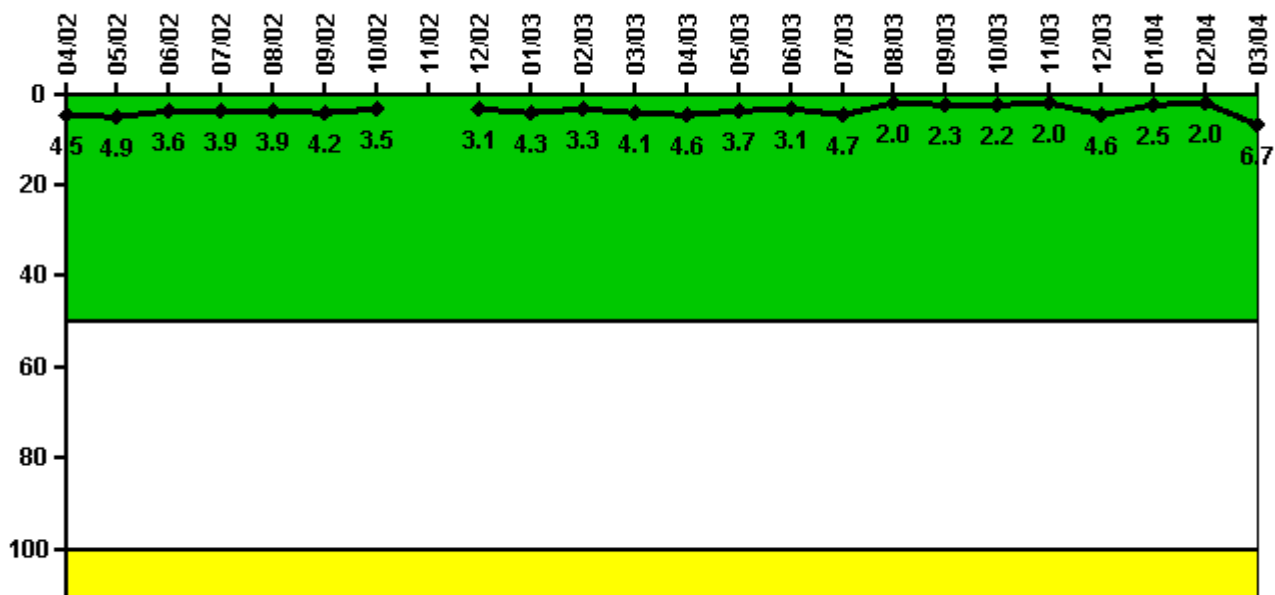
Notes

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000481	N/A	0.000189	0.000249	0.000230	0.000232	0.000321	N/A	0.000229	0.000253	0.000552	0.000255
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Indicator value	0.1	N/A	0	0	0	0	0	N/A	0	0	0.1	0

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.000276	0.000275	0.000287	0.000281	0.000286	0.000307	0.000299	0.000290	0.000305	0.000316	0.000362	0.000274
Technical specification limit	0.7	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

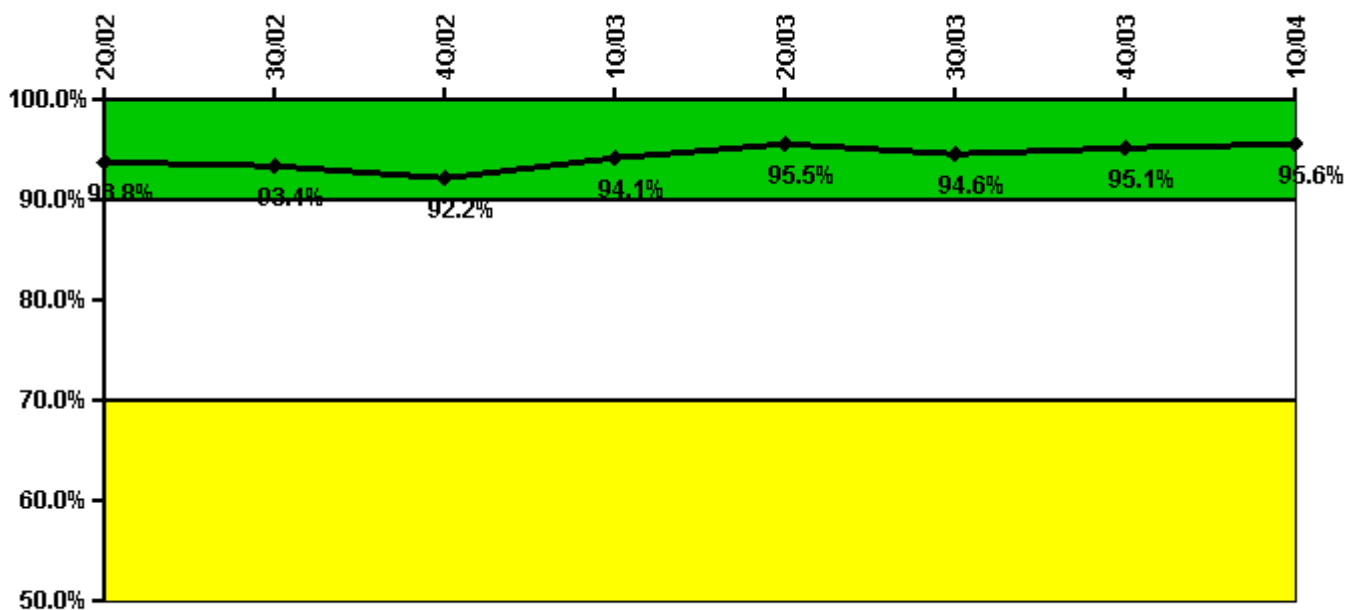
Notes

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.450	0.487	0.360	0.390	0.391	0.420	0.348		0.305	0.425	0.332	0.405
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	4.5	4.9	3.6	3.9	3.9	4.2	3.5		3.1	4.3	3.3	4.1

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.455	0.366	0.313	0.465	0.198	0.232	0.217	0.197	0.459	0.253	0.199	0.669
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	4.6	3.7	3.1	4.7	2.0	2.3	2.2	2.0	4.6	2.5	2.0	6.7

Licensee Comments: none

Drill/Exercise Performance



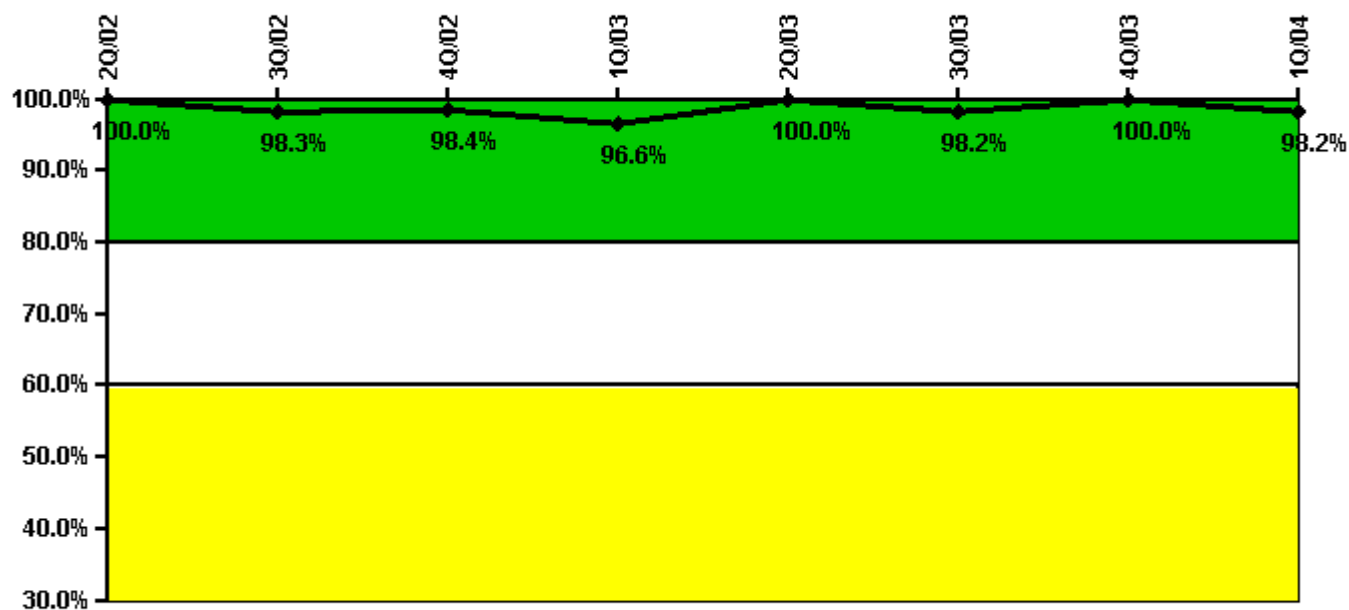
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	25.0	9.0	19.0	33.0	57.0	21.0	15.0	39.0
Total opportunities	25.0	11.0	22.0	33.0	58.0	23.0	15.0	41.0
Indicator value	93.8%	93.4%	92.2%	94.1%	95.5%	94.6%	95.1%	95.6%

Licensee Comments: none

ERO Drill Participation



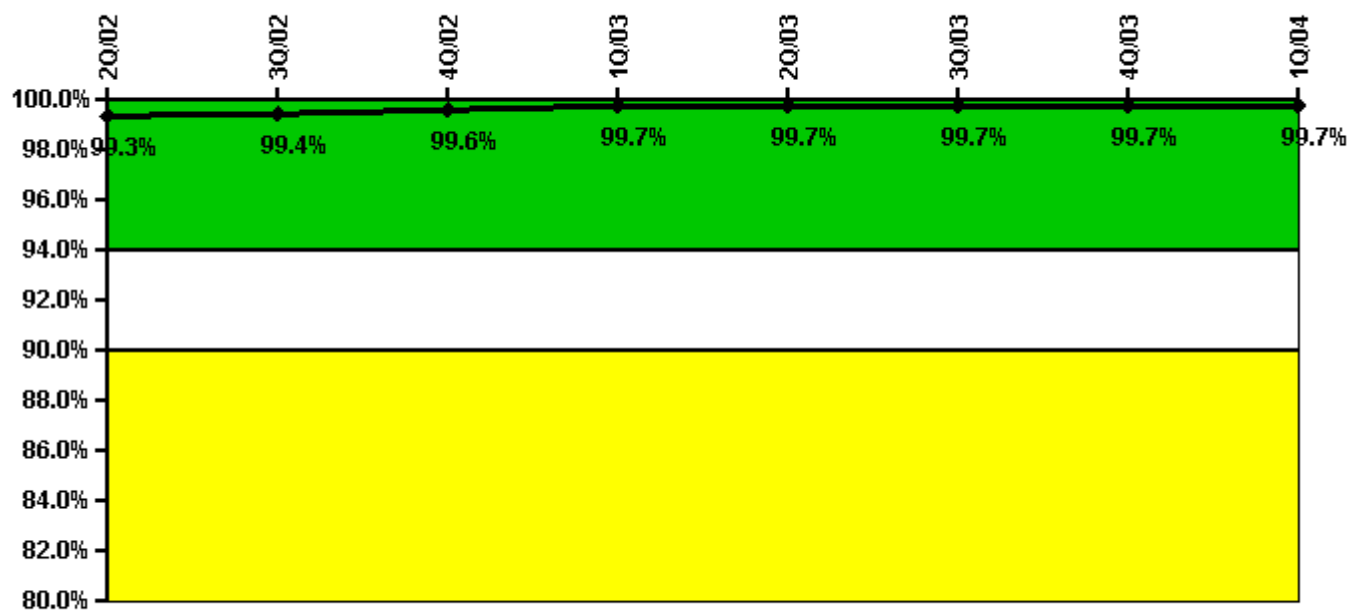
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	61.0	59.0	60.0	57.0	55.0	54.0	54.0	54.0
Total Key personnel	61.0	60.0	61.0	59.0	55.0	55.0	54.0	55.0
Indicator value	100.0%	98.3%	98.4%	96.6%	100.0%	98.2%	100.0%	98.2%

Licensee Comments: none

Alert & Notification System



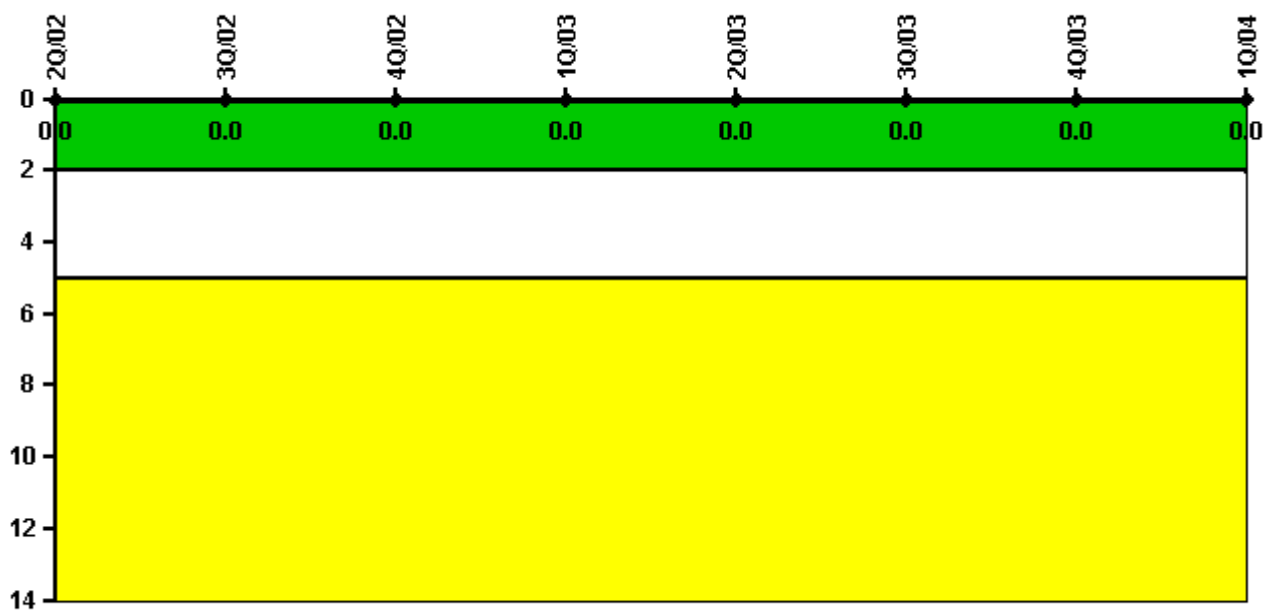
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	1042	1045	1047	913	915	1174	1046	1044
Total sirens-tests	1048	1048	1048	917	917	1179	1048	1048
Indicator value	99.3%	99.4%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
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



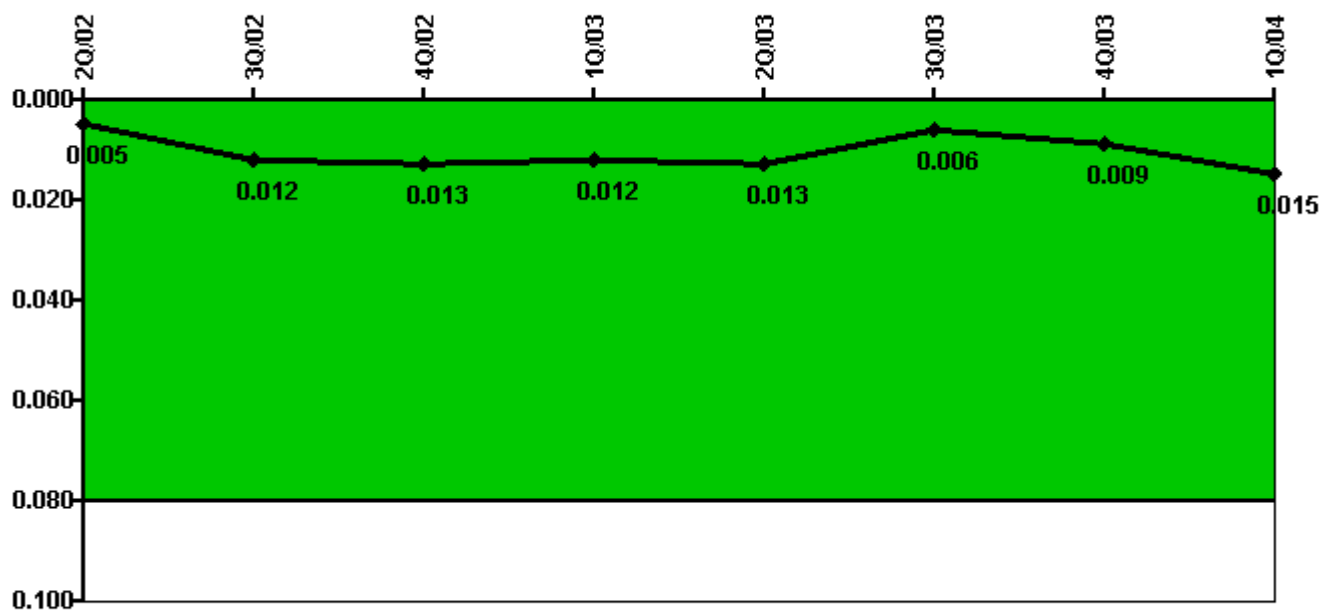
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



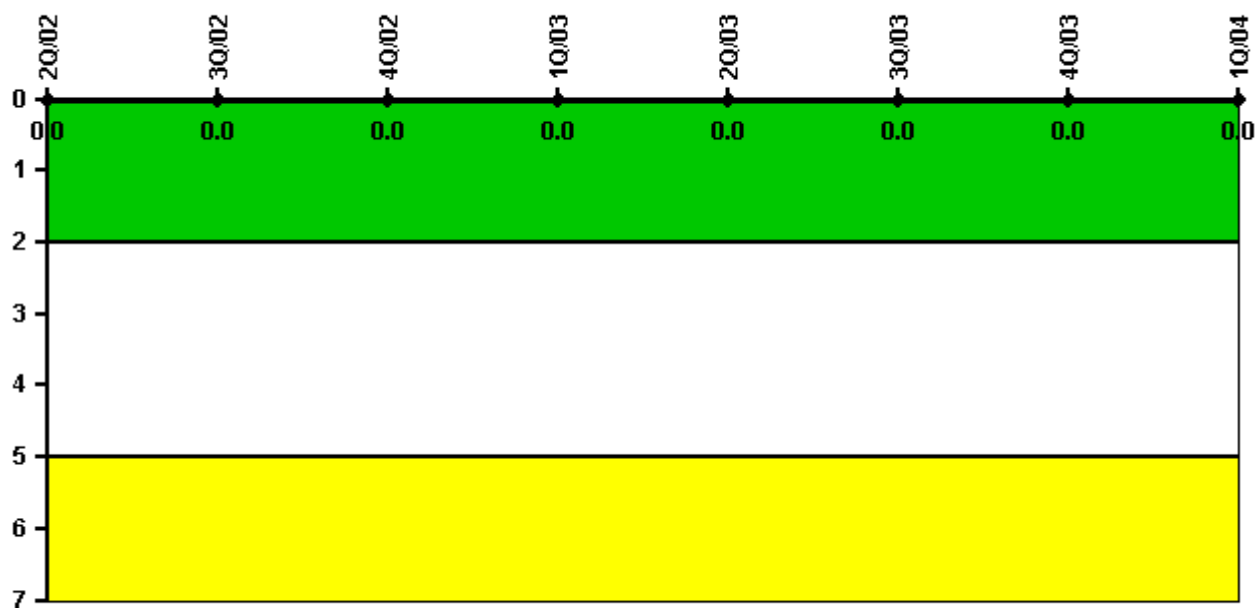
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
IDS compensatory hours	79.82	83.58	24.92	2.87	146.33	5.33	185.02	118.26
CCTV compensatory hours	14.2	106.6	32.7	0	8.4	0	0	53.2
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.20
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.005	0.012	0.013	0.012	0.013	0.006	0.009	0.015

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: April 22, 2004

Diablo Canyon 1

2Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



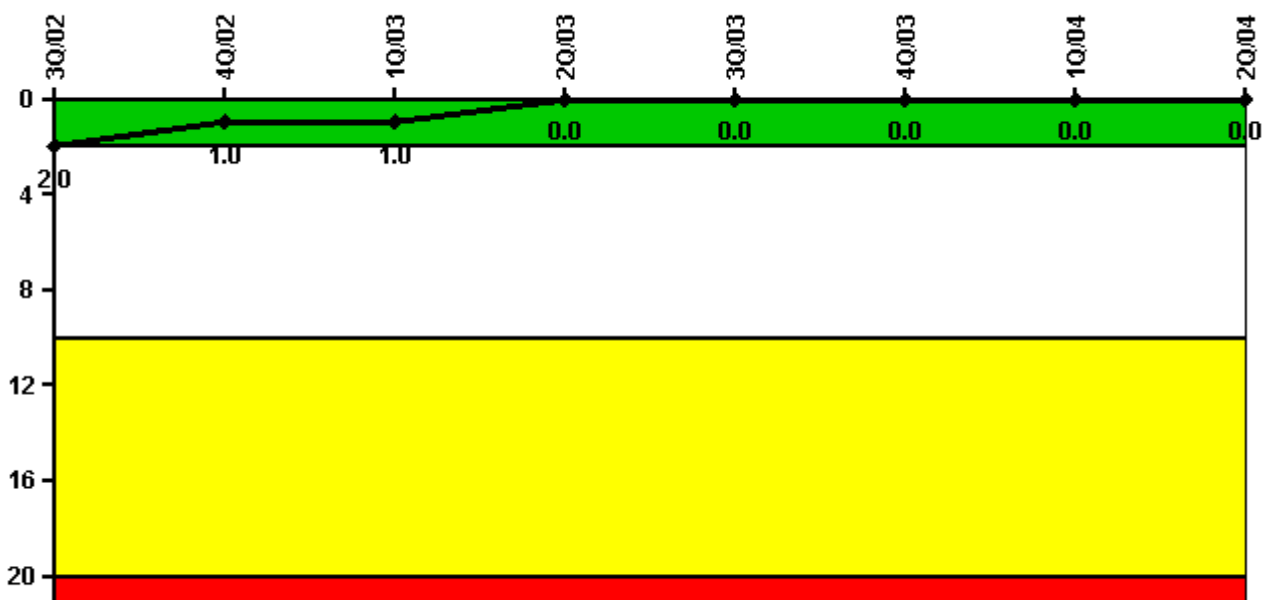
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	971.3	2160.0	2183.0	2208.0	2209.0	1947.5	677.1
Indicator value	0.9	1.0	1.0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



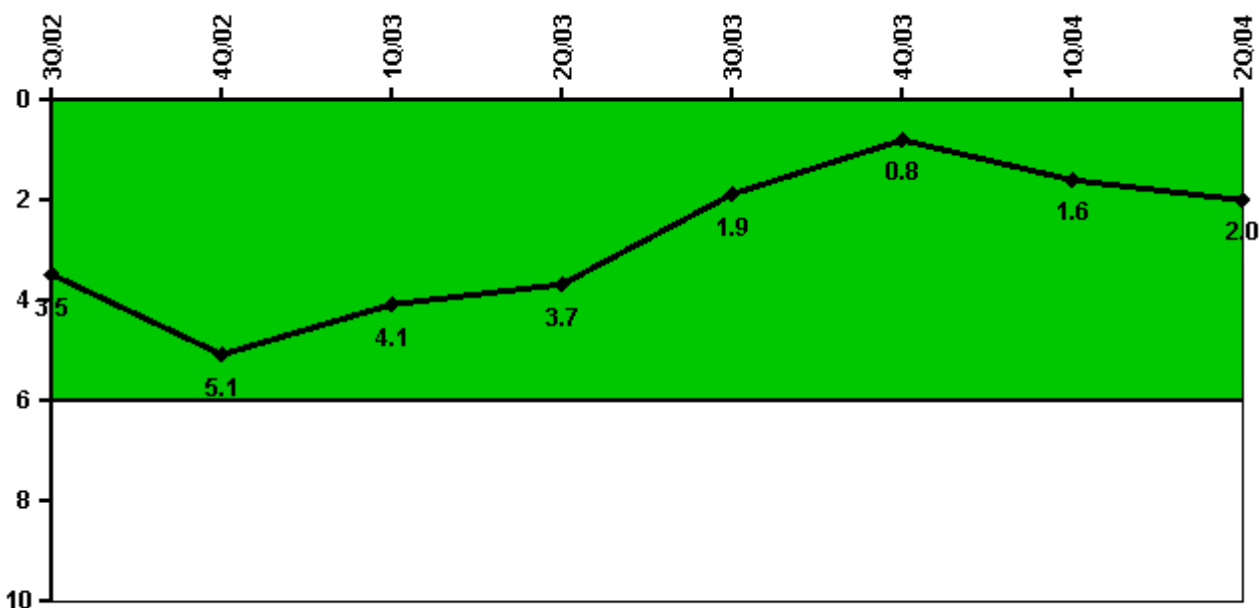
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	1.0	1.0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



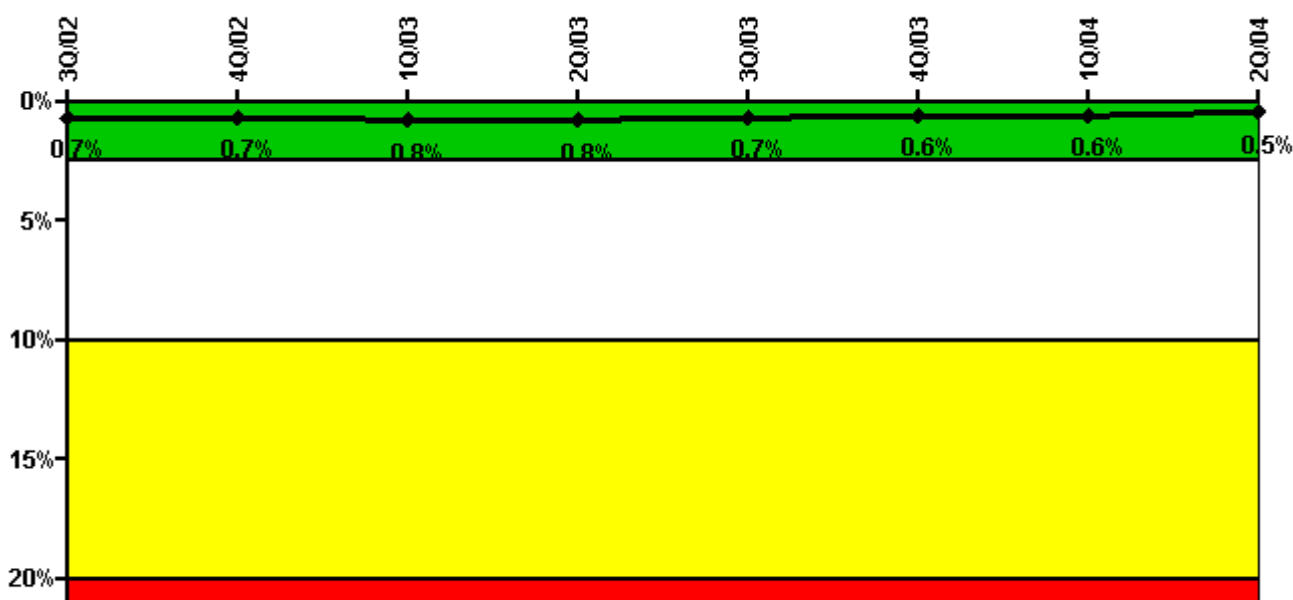
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	2.0	1.0	0	1.0	0	0	1.0	1.0
Critical hours	2208.0	971.3	2160.0	2183.0	2208.0	2209.0	1947.5	677.1
Indicator value	3.5	5.1	4.1	3.7	1.9	0.8	1.6	2.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



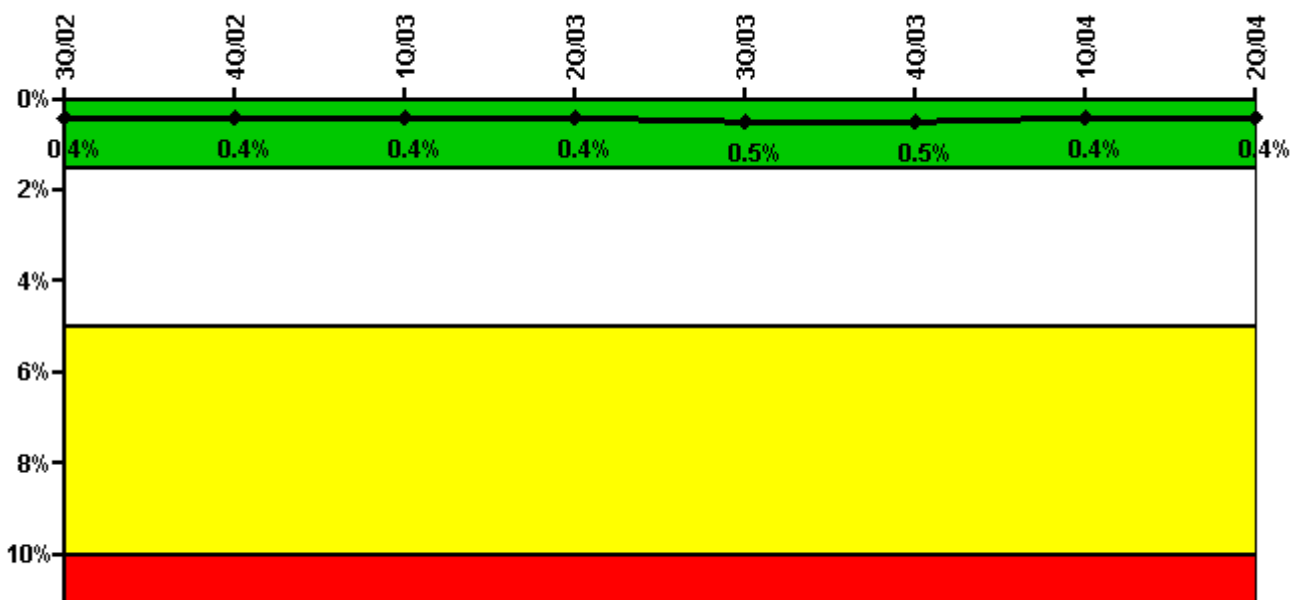
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0	13.20	0	0	0	0	0	1.47
Unplanned unavailable hours	0	0	0	0	15.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0	18.00	0	0	14.40	0	11.57	1.92
Unplanned unavailable hours	0.10	0	0	0.20	4.90	0.25	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0	7.42
Unplanned unavailable hours	79.00	0	120.30	28.90	2.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	0.7%	0.7%	0.8%	0.8%	0.7%	0.6%	0.6%	0.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



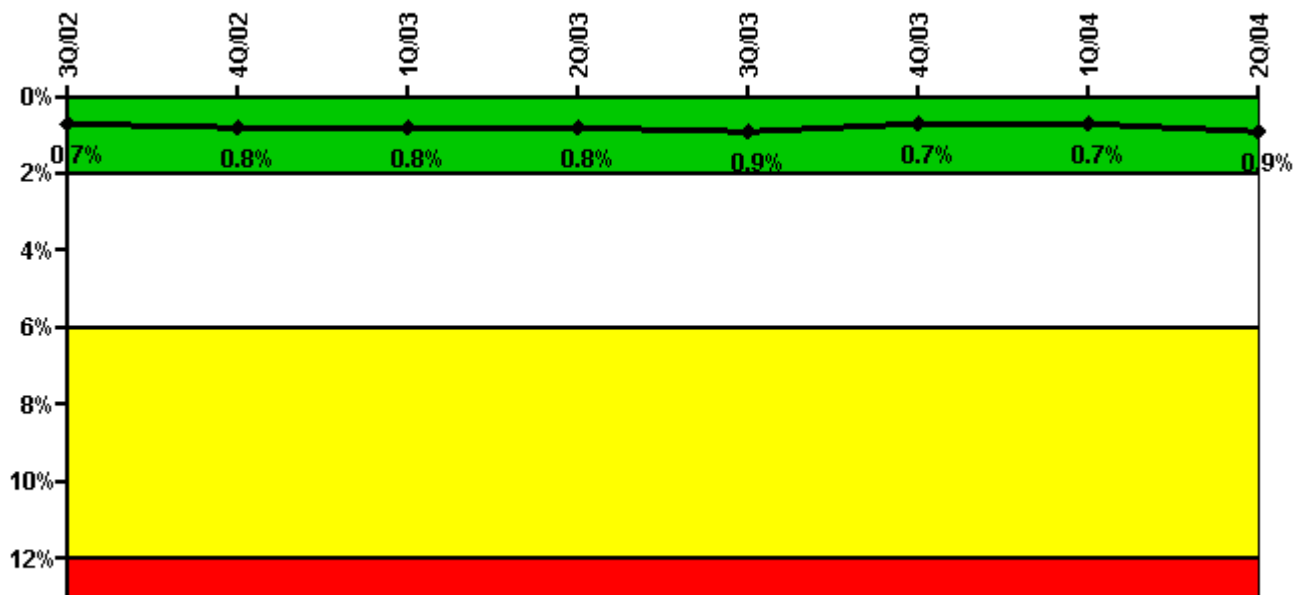
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0	0	0	0	87.50	0	12.00	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10
Train 2								
Planned unavailable hours	19.00	0	13.50	0	12.90	9.43	9.58	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10
Train 3								
Planned unavailable hours	19.50	0.20	0.40	14.30	0.40	12.59	1.01	0.49
Unplanned unavailable hours	0	0	0	0	1.90	12.58	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10
Train 4								
Planned unavailable hours	0	0.10	16.60	0.10	10.10	0	0.72	0.38
Unplanned unavailable hours	0	0	0	0	1.80	0	0	19.88
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10
Indicator value	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



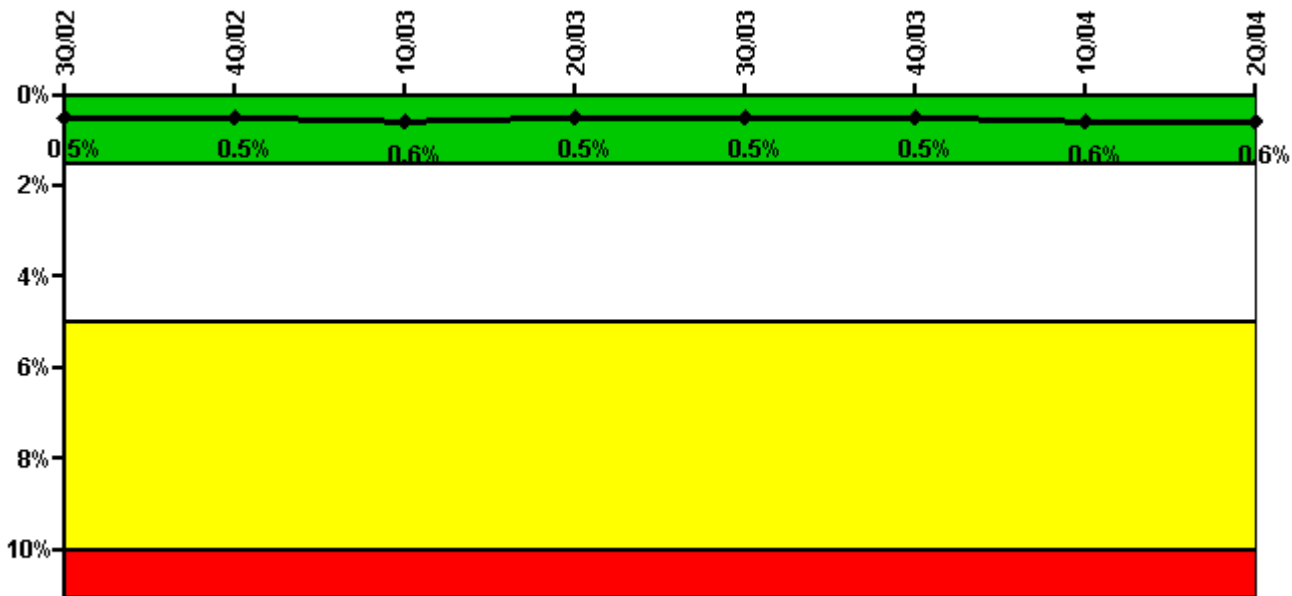
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	2.90	22.10	1.00	30.70	11.70	2.05	11.30	1.15
Unplanned unavailable hours	0	0	0	0	0	0	0	93.27
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10
Train 2								
Planned unavailable hours	17.30	19.10	2.10	1.00	24.40	0.85	2.00	0.78
Unplanned unavailable hours	0	0	0	44.00	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10
Train 3								
Planned unavailable hours	16.10	0	36.00	1.70	0	13.68	0.48	14.45
Unplanned unavailable hours	0	0	0	0	52.60	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10
Indicator value	0.7%	0.8%	0.8%	0.8%	0.9%	0.7%	0.7%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



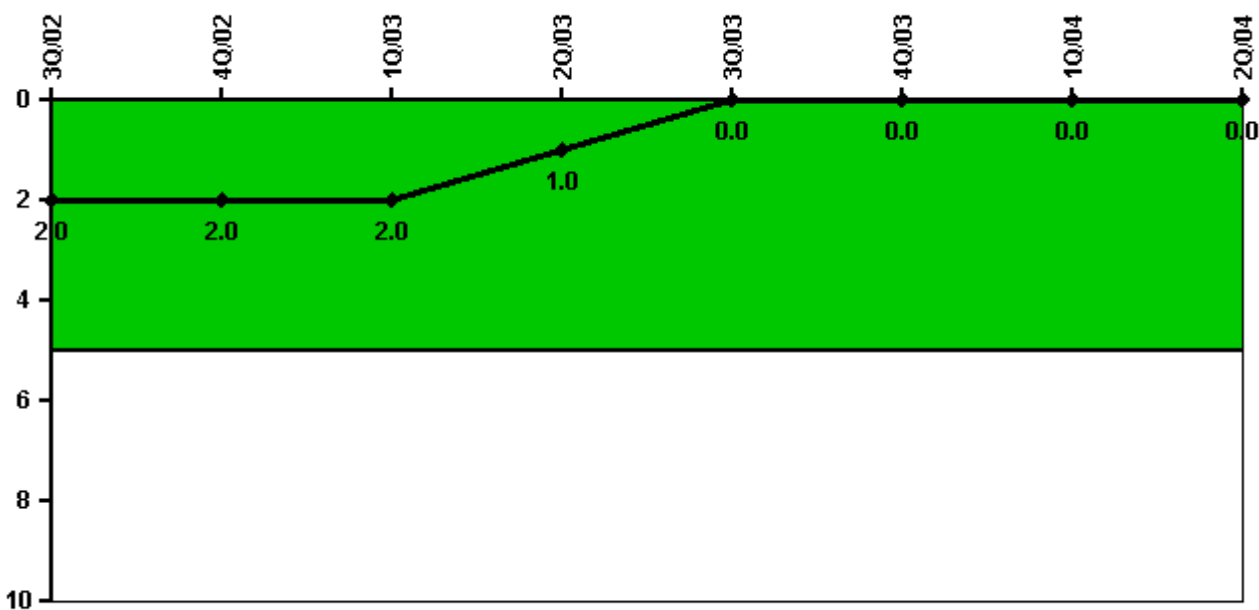
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0.60	0.70	11.60	0.50	15.40	0.67	22.53	0.12
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0.20	0	26.70	0.10	11.10	1.30	22.87	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	0.5%	0.5%	0.6%	0.5%	0.5%	0.5%	0.6%	0.6%

Licensee Comments: none

Safety System Functional Failures (PWR)



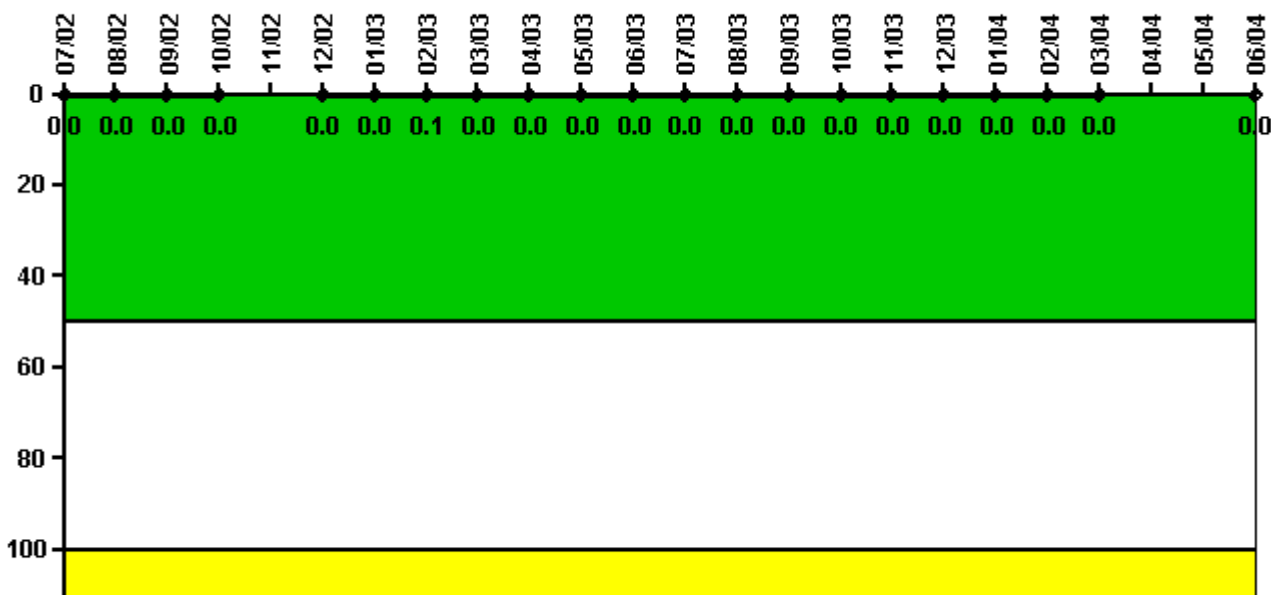
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	2	2	2	1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

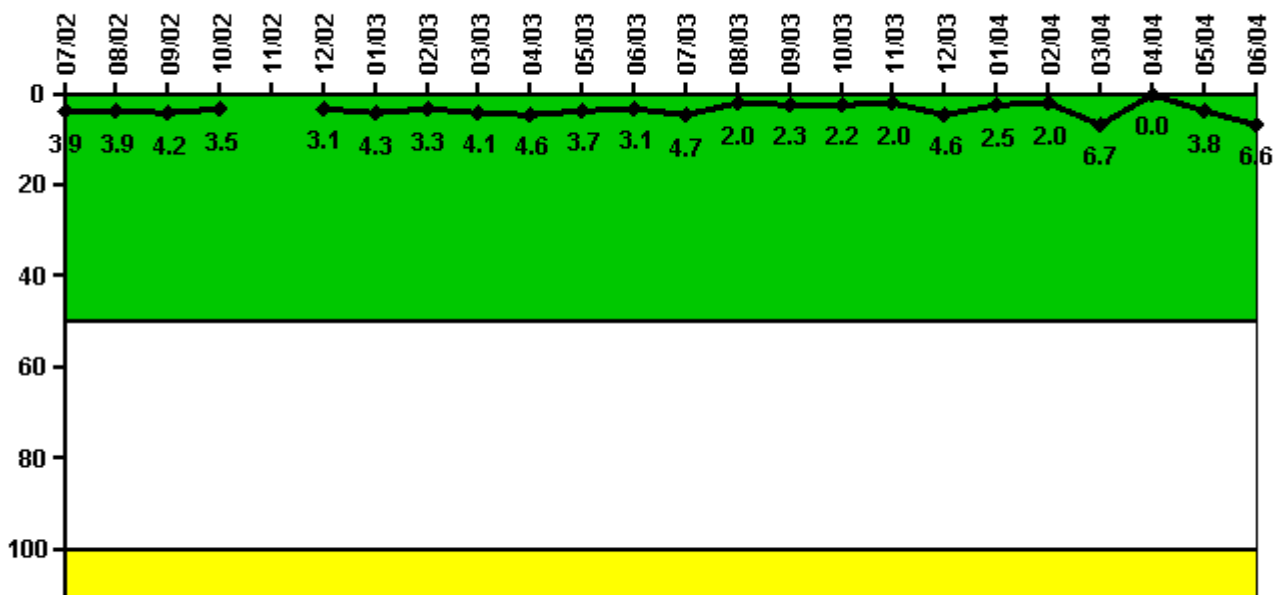
Notes

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000249	0.000230	0.000232	0.000321	N/A	0.000229	0.000253	0.000552	0.000255	0.000276	0.000275	0.000287
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
Indicator value	0	0	0	0	N/A	0	0	0.1	0	0	0	0

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000281	0.000286	0.000307	0.000299	0.000290	0.000305	0.000316	0.000362	0.000274	N/A	N/A	0.000178
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	N/A	N/A	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

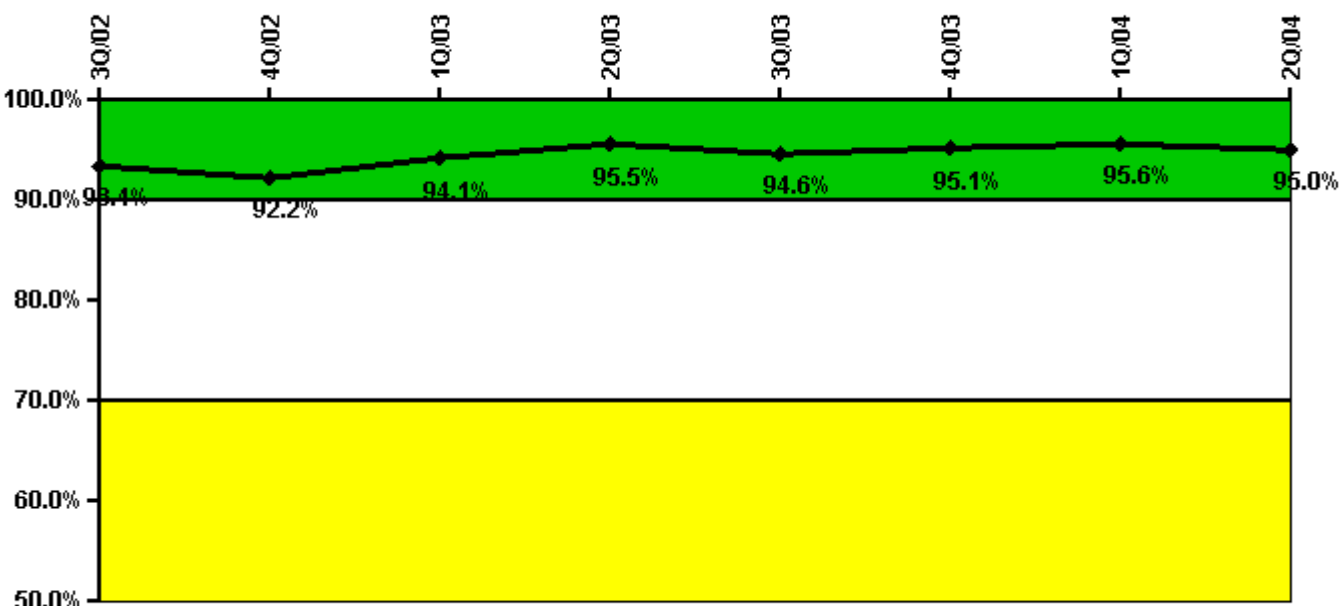
Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.390	0.391	0.420	0.348		0.305	0.425	0.332	0.405	0.455	0.366	0.313
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	3.9	3.9	4.2	3.5		3.1	4.3	3.3	4.1	4.6	3.7	3.1

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.465	0.198	0.232	0.217	0.197	0.459	0.253	0.199	0.669	0	0.383	0.655
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	4.7	2.0	2.3	2.2	2.0	4.6	2.5	2.0	6.7	0	3.8	6.6

Licensee Comments: none

Drill/Exercise Performance



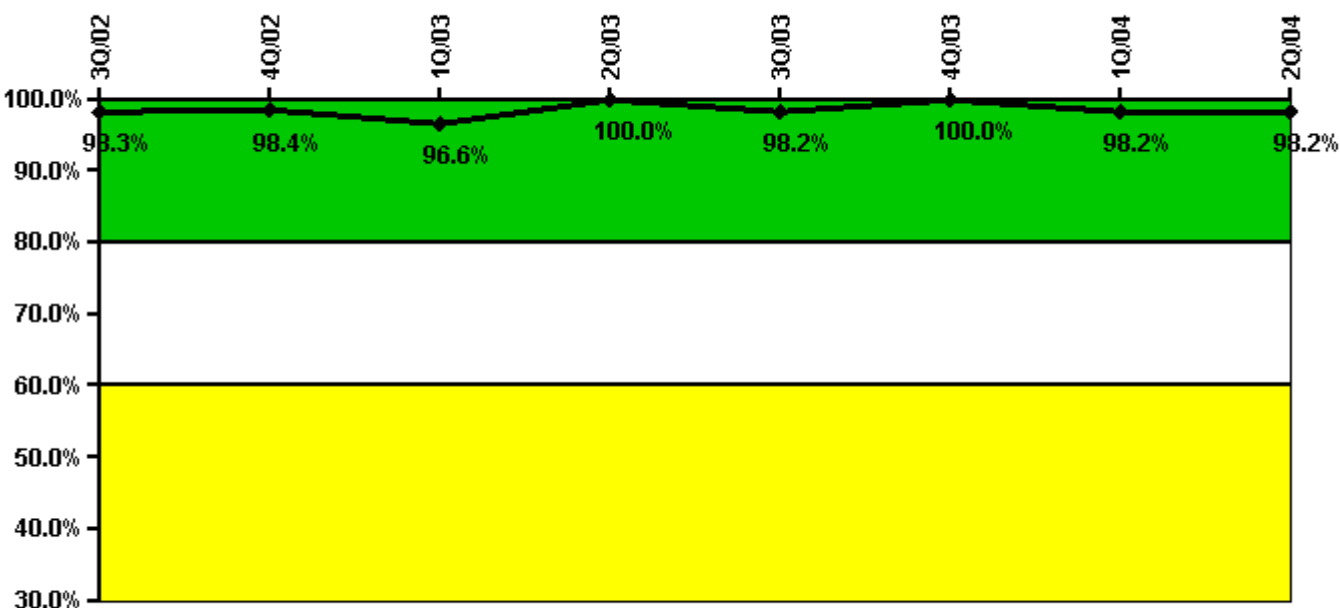
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	9.0	19.0	33.0	57.0	21.0	15.0	39.0	14.0
Total opportunities	11.0	22.0	33.0	58.0	23.0	15.0	41.0	15.0
Indicator value	93.4%	92.2%	94.1%	95.5%	94.6%	95.1%	95.6%	95.0%

Licensee Comments: none

ERO Drill Participation



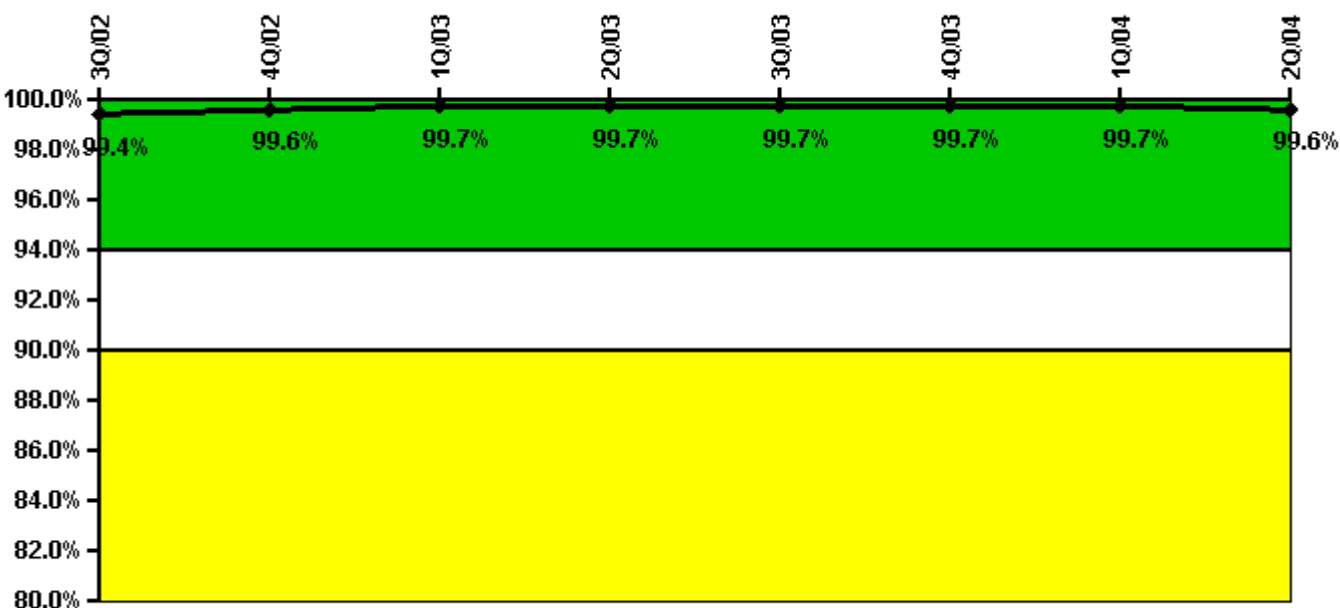
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	59.0	60.0	57.0	55.0	54.0	54.0	54.0	54.0
Total Key personnel	60.0	61.0	59.0	55.0	55.0	54.0	55.0	55.0
Indicator value	98.3%	98.4%	96.6%	100.0%	98.2%	100.0%	98.2%	98.2%

Licensee Comments: none

Alert & Notification System



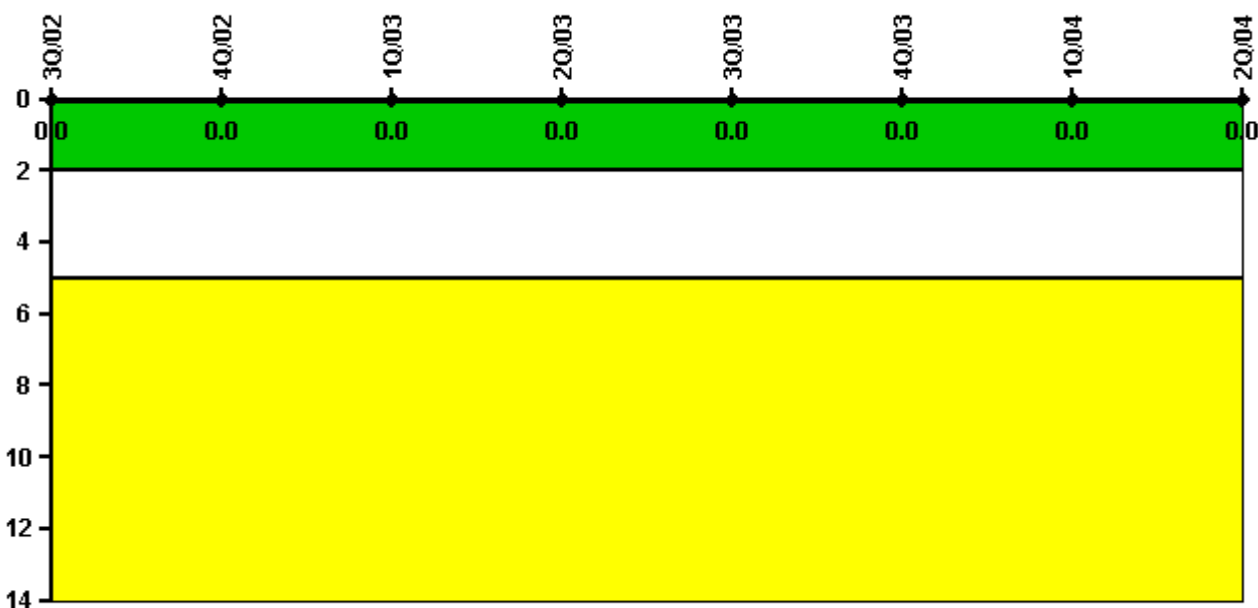
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	1045	1047	913	915	1174	1046	1044	1043
Total sirens-tests	1048	1048	917	917	1179	1048	1048	1048
Indicator value	99.4%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



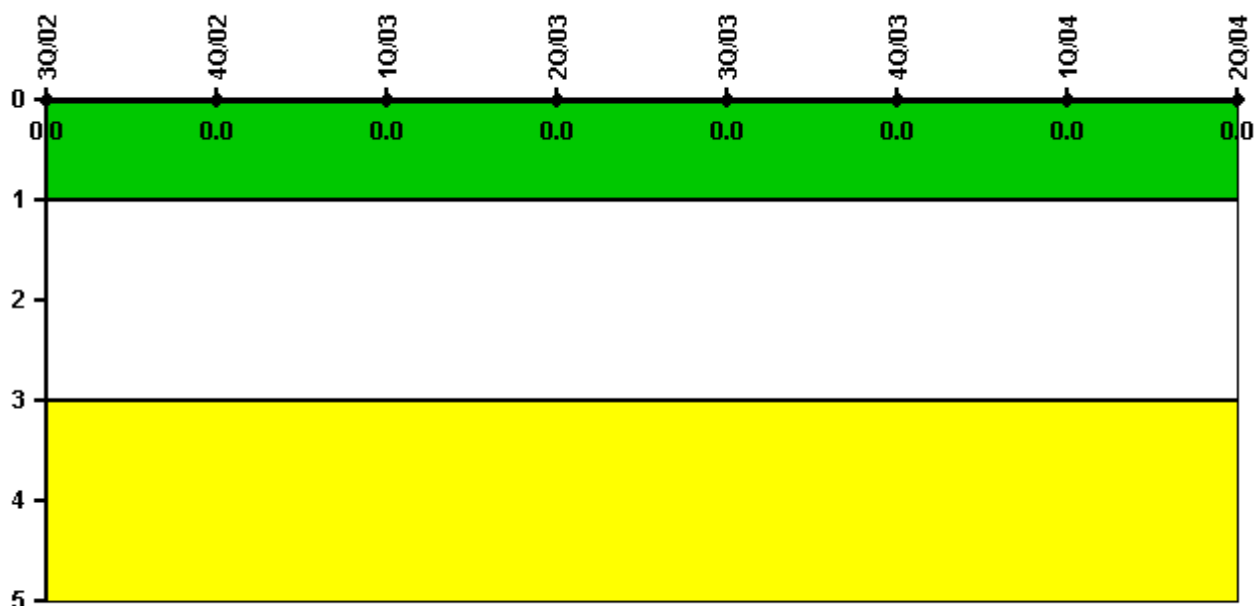
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

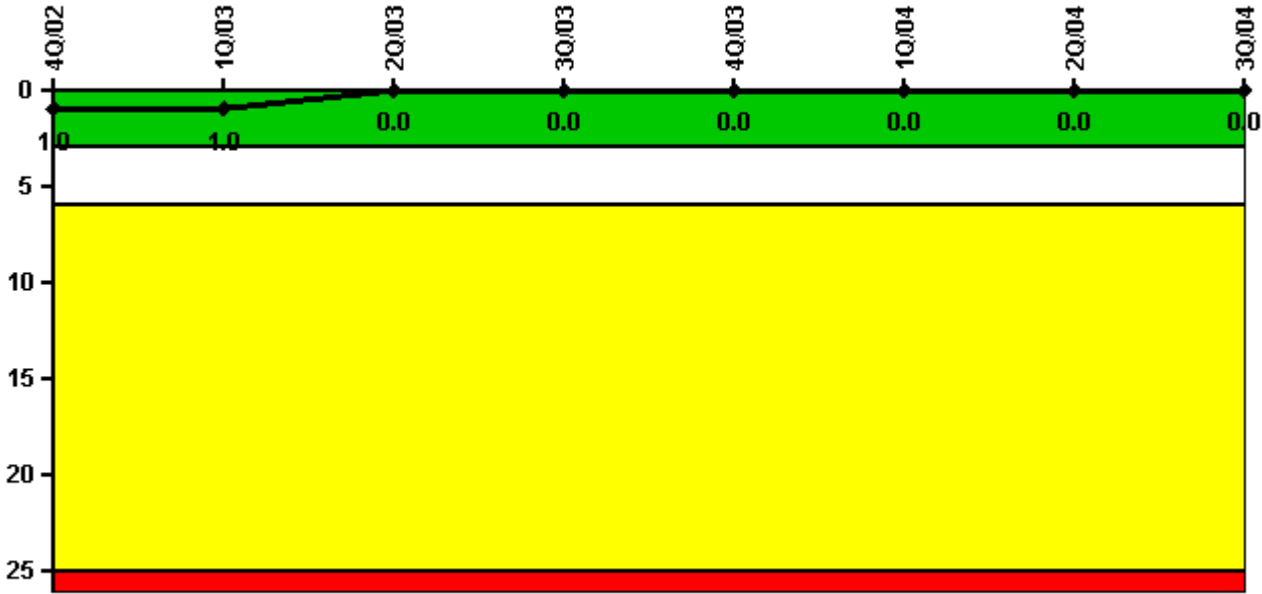
Last Modified: September 8, 2004

Diablo Canyon 1

3Q/2004 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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	971.3	2160.0	2183.0	2208.0	2209.0	1947.5	677.1	2167.8
Indicator value	1.0	1.0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



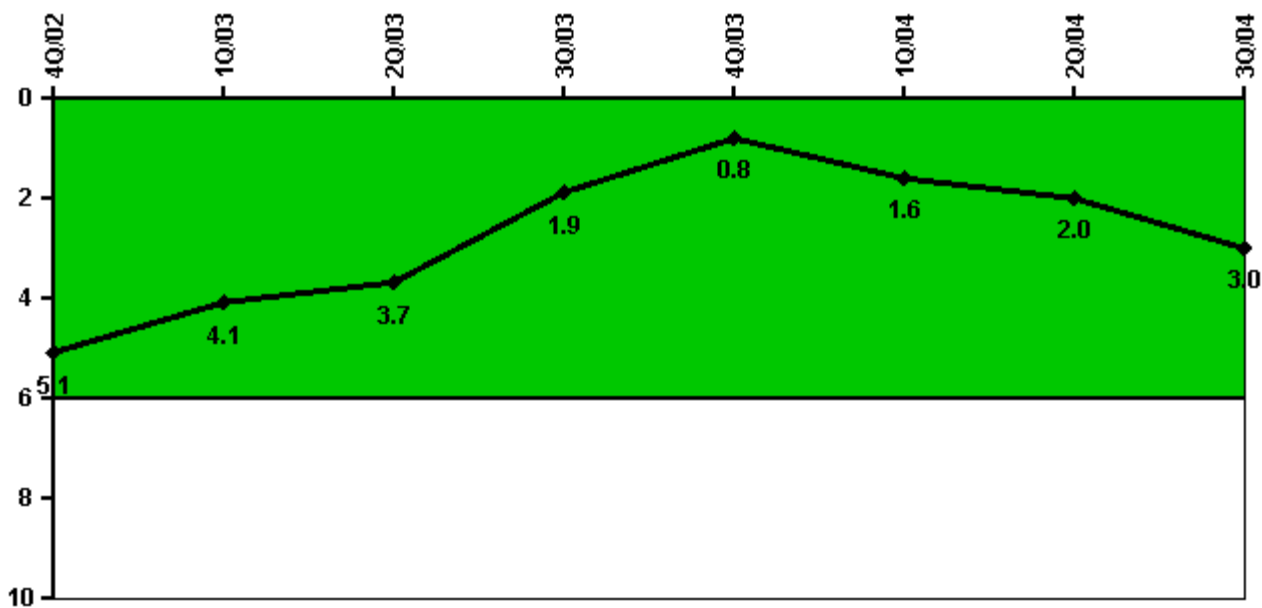
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



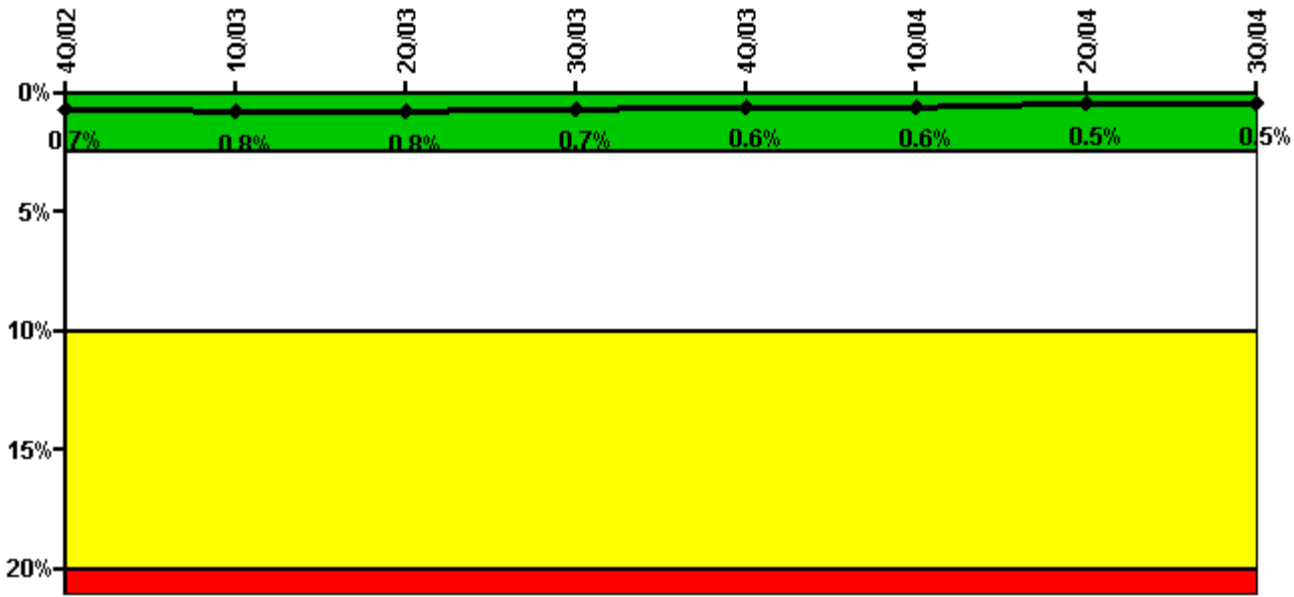
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	1.0	0	1.0	0	0	1.0	1.0	1.0
Critical hours	971.3	2160.0	2183.0	2208.0	2209.0	1947.5	677.1	2167.8
Indicator value	5.1	4.1	3.7	1.9	0.8	1.6	2.0	3.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



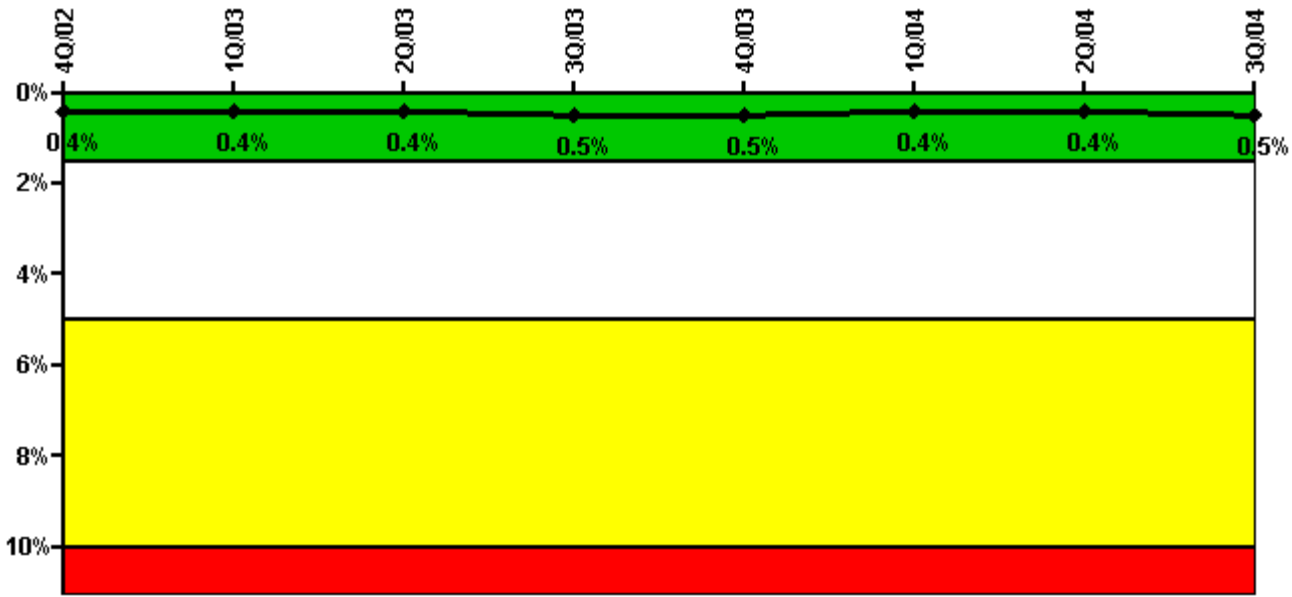
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	13.20	0	0	0	0	0	1.47	1.30
Unplanned unavailable hours	0	0	0	15.50	0	0	0	2.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	18.00	0	0	14.40	0	11.57	1.92	0
Unplanned unavailable hours	0	0	0.20	4.90	0.25	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	7.42	3.15
Unplanned unavailable hours	0	120.30	28.90	2.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.7%	0.8%	0.8%	0.7%	0.6%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



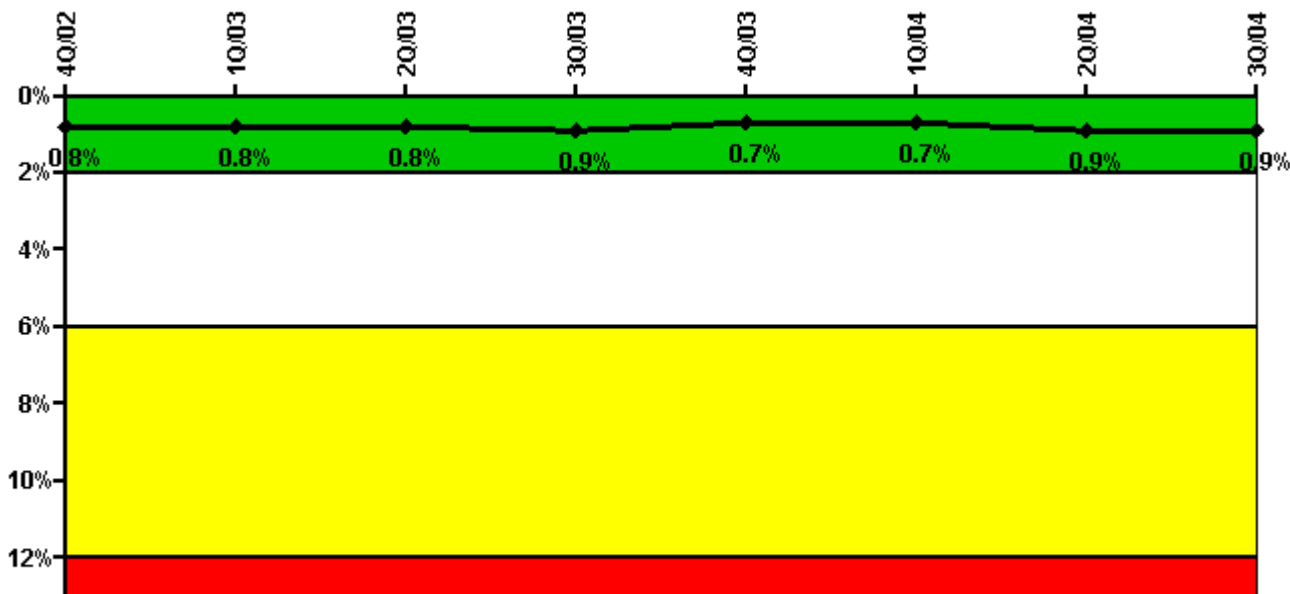
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	0	0	87.50	0	12.00	0	3.15
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80
Train 2								
Planned unavailable hours	0	13.50	0	12.90	9.43	9.58	0	18.03
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80
Train 3								
Planned unavailable hours	0.20	0.40	14.30	0.40	12.59	1.01	0.49	14.00
Unplanned unavailable hours	0	0	0	1.90	12.58	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80
Train 4								
Planned unavailable hours	0.10	16.60	0.10	10.10	0	0.72	0.38	0.08
Unplanned unavailable hours	0	0	0	1.80	0	0	19.88	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80
Indicator value	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%	0.4%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



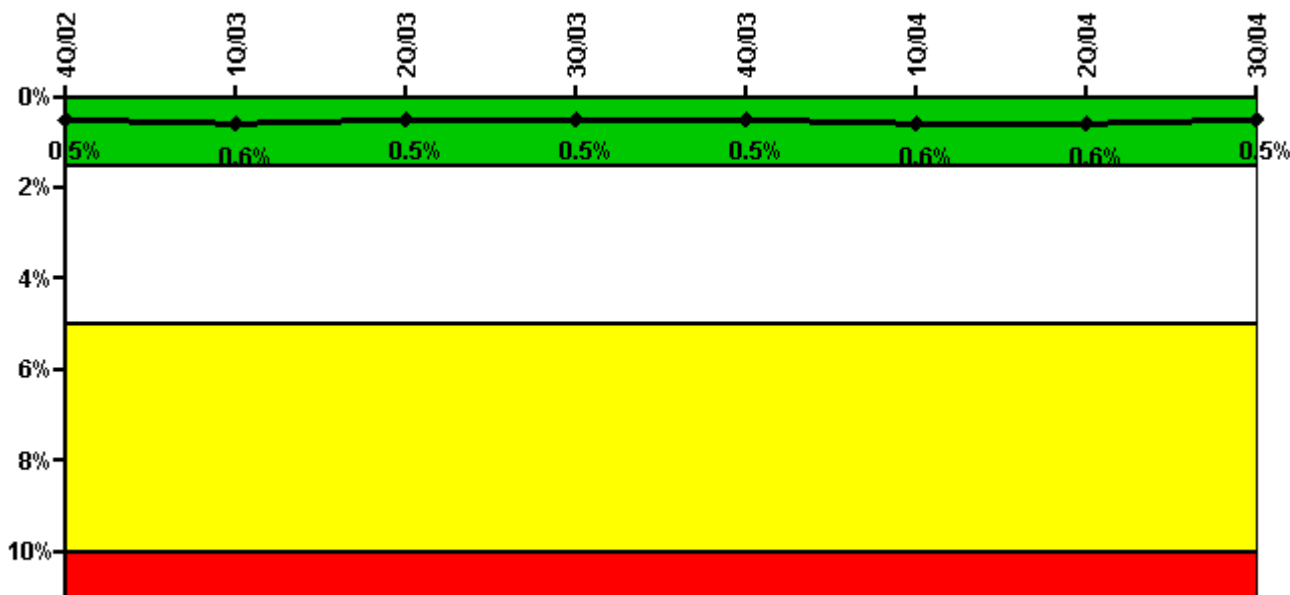
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	22.10	1.00	30.70	11.70	2.05	11.30	1.15	18.97
Unplanned unavailable hours	0	0	0	0	0	0	93.27	21.25
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80
Train 2								
Planned unavailable hours	19.10	2.10	1.00	24.40	0.85	2.00	0.78	14.48
Unplanned unavailable hours	0	0	44.00	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80
Train 3								
Planned unavailable hours	0	36.00	1.70	0	13.68	0.48	14.45	4.32
Unplanned unavailable hours	0	0	0	52.60	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	971.30	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80
Indicator value	0.8%	0.8%	0.8%	0.9%	0.7%	0.7%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



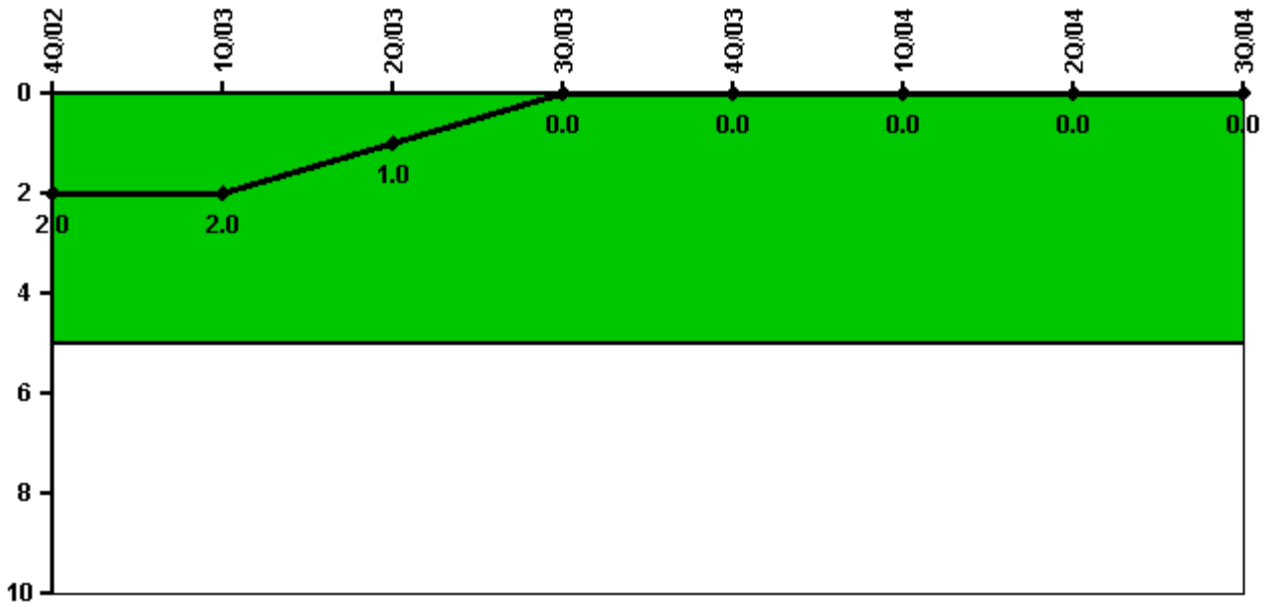
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0.70	11.60	0.50	15.40	0.67	22.53	0.12	24.17
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	26.70	0.10	11.10	1.30	22.87	0	17.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.5%	0.6%	0.5%	0.5%	0.5%	0.6%	0.6%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



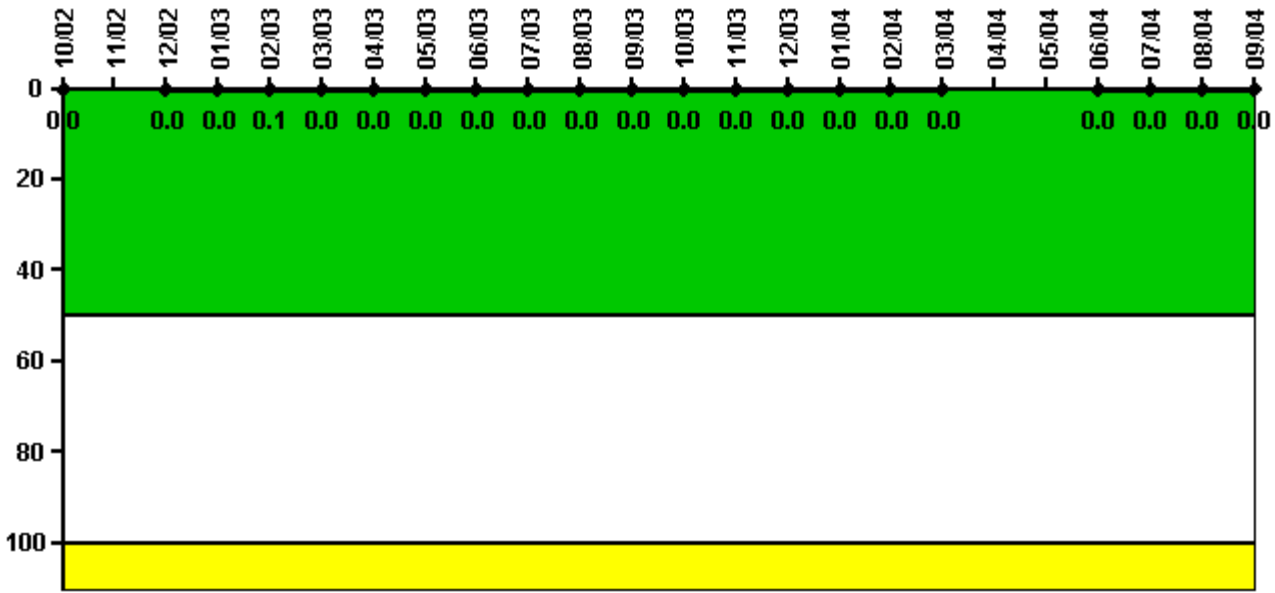
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	2	2	1	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

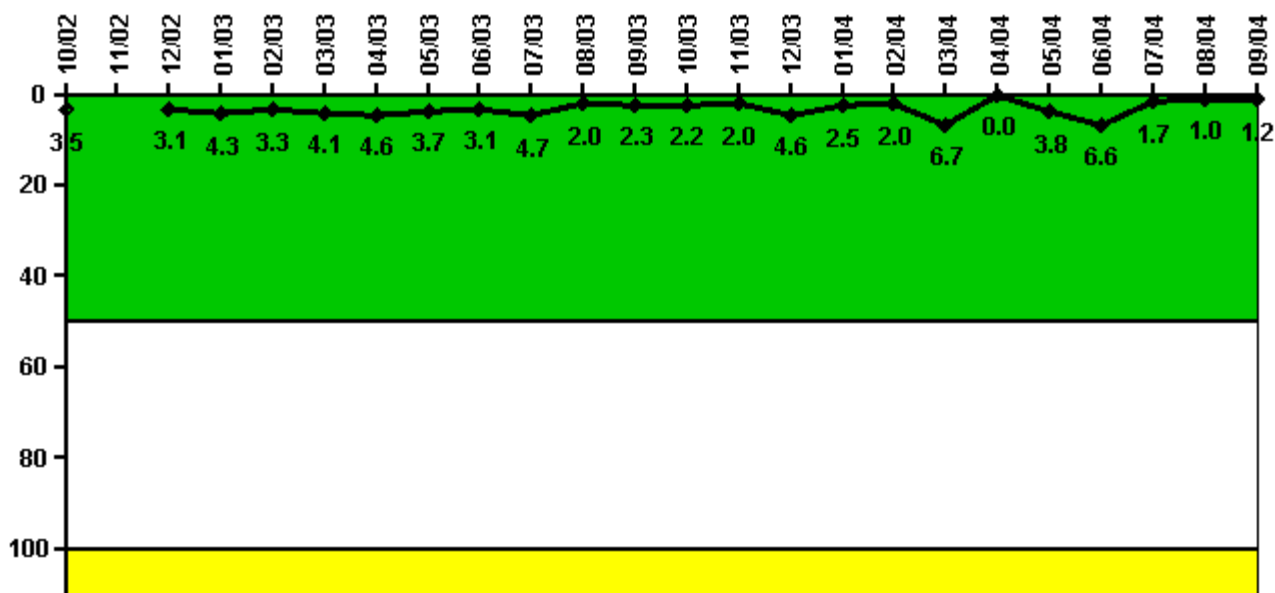
Notes

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000321	N/A	0.000229	0.000253	0.000552	0.000255	0.000276	0.000275	0.000287	0.000281	0.000286	0.000307
Technical specification limit	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0
Indicator value	0	N/A	0	0	0.1	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000299	0.000290	0.000305	0.000316	0.000362	0.000274	N/A	N/A	0.000178	0.000184	0.000196	0.000208
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	N/A	N/A	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

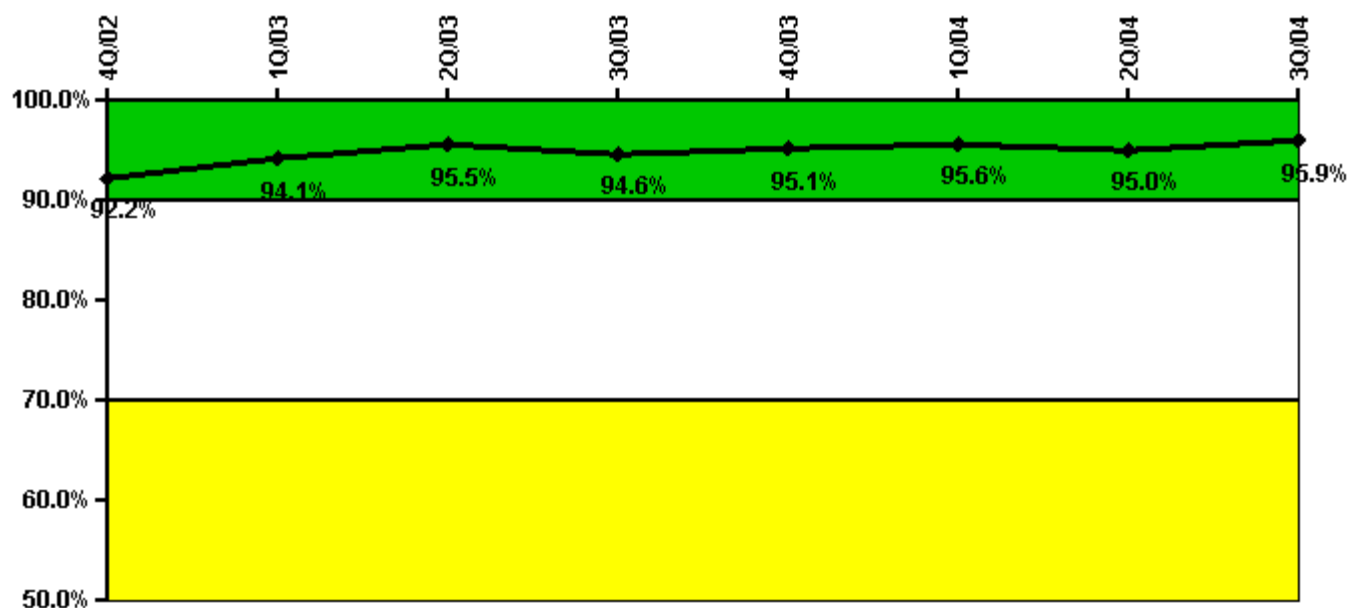
Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.348		0.305	0.425	0.332	0.405	0.455	0.366	0.313	0.465	0.198	0.232
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	3.5		3.1	4.3	3.3	4.1	4.6	3.7	3.1	4.7	2.0	2.3

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.217	0.197	0.459	0.253	0.199	0.669	0	0.383	0.655	0.168	0.099	0.123
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	2.2	2.0	4.6	2.5	2.0	6.7	0	3.8	6.6	1.7	1.0	1.2

Licensee Comments: none

Drill/Exercise Performance



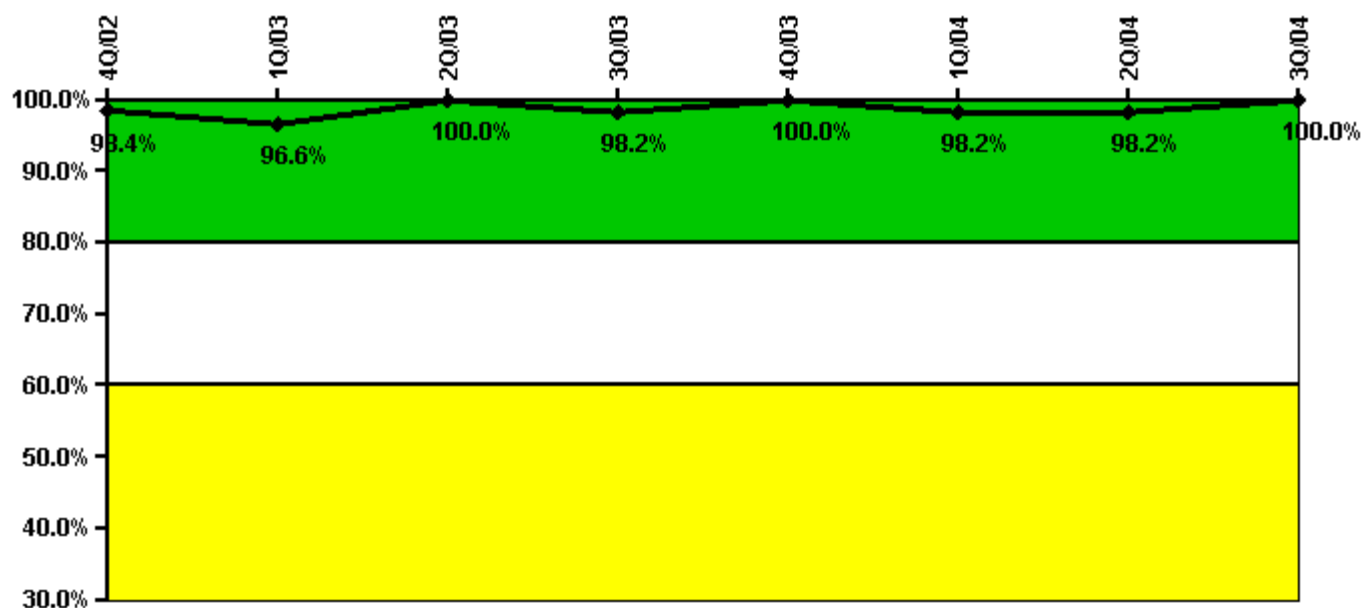
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	19.0	33.0	57.0	21.0	15.0	39.0	14.0	14.0
Total opportunities	22.0	33.0	58.0	23.0	15.0	41.0	15.0	14.0
Indicator value	92.2%	94.1%	95.5%	94.6%	95.1%	95.6%	95.0%	95.9%

Licensee Comments: none

ERO Drill Participation



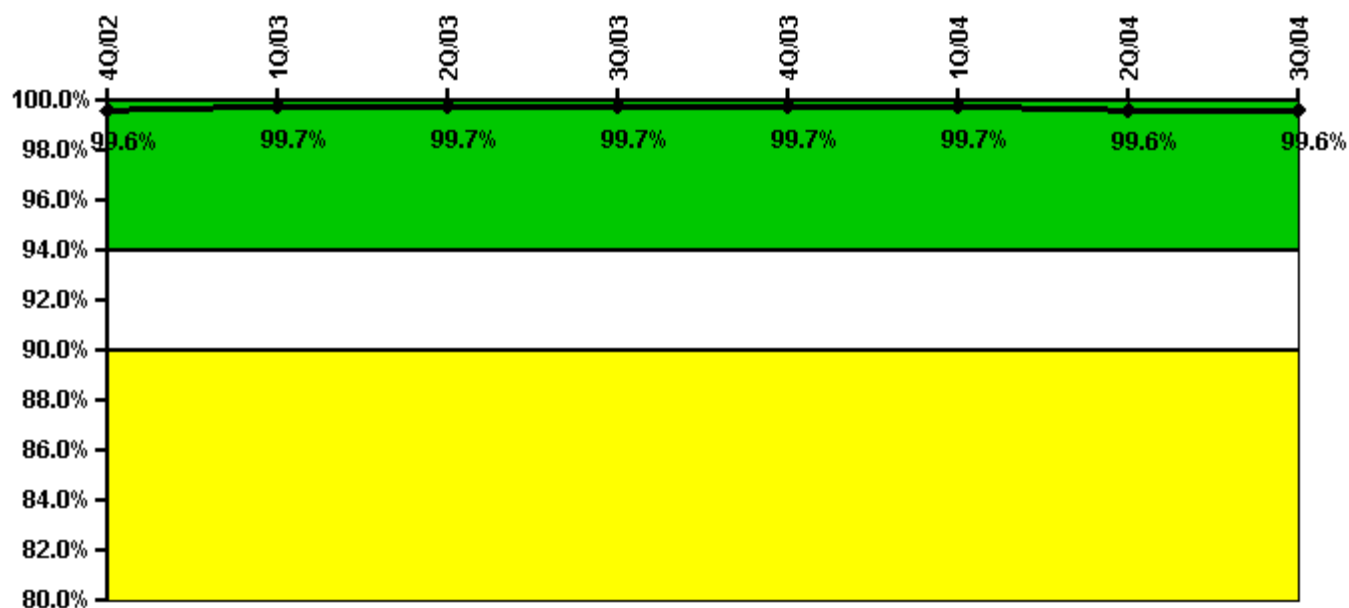
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	60.0	57.0	55.0	54.0	54.0	54.0	54.0	54.0
Total Key personnel	61.0	59.0	55.0	55.0	54.0	55.0	55.0	54.0
Indicator value	98.4%	96.6%	100.0%	98.2%	100.0%	98.2%	98.2%	100.0%

Licensee Comments: none

Alert & Notification System



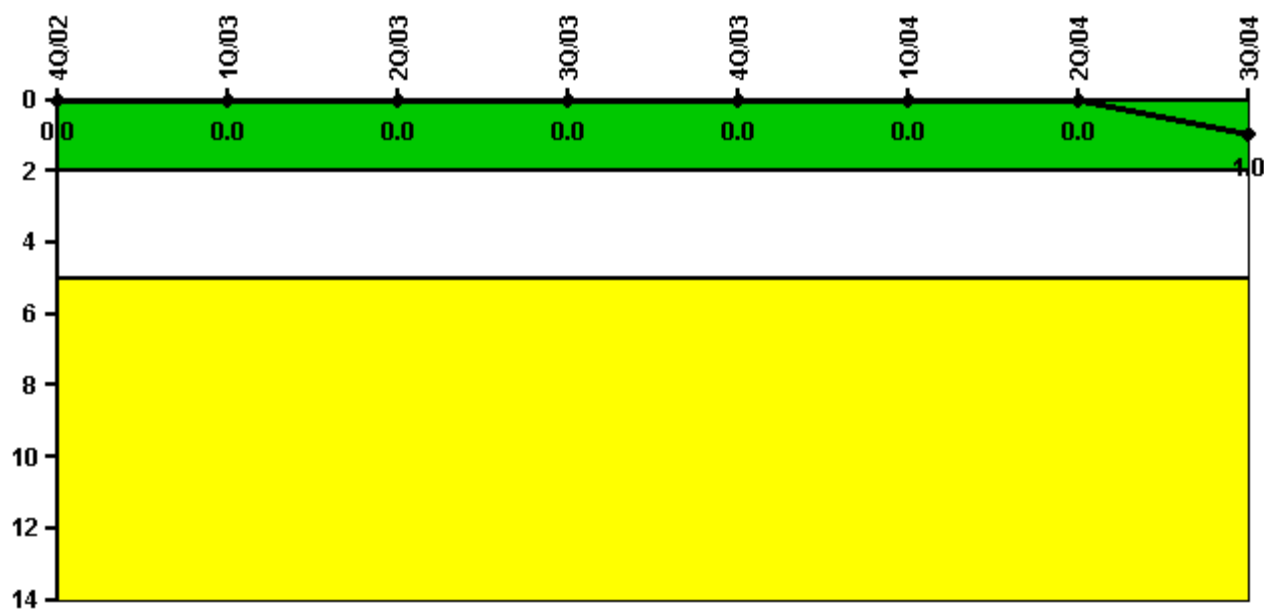
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	1047	913	915	1174	1046	1044	1043	1303
Total sirens-tests	1048	917	917	1179	1048	1048	1048	1310
Indicator value	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

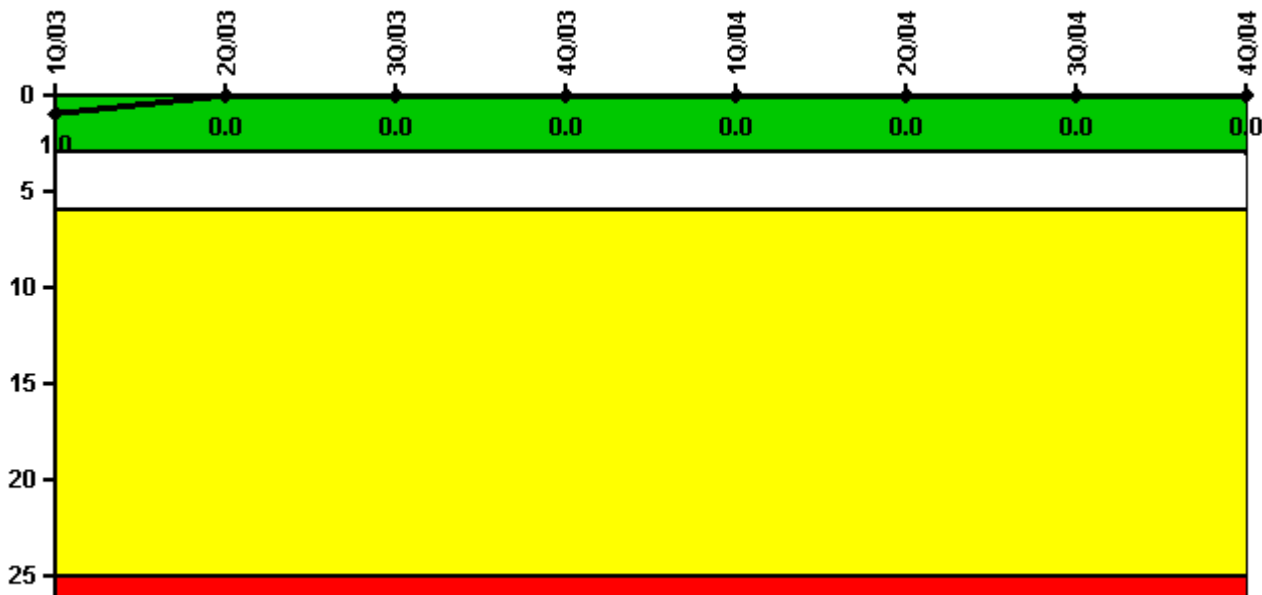
Last Modified: October 25, 2004

Diablo Canyon 1

4Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



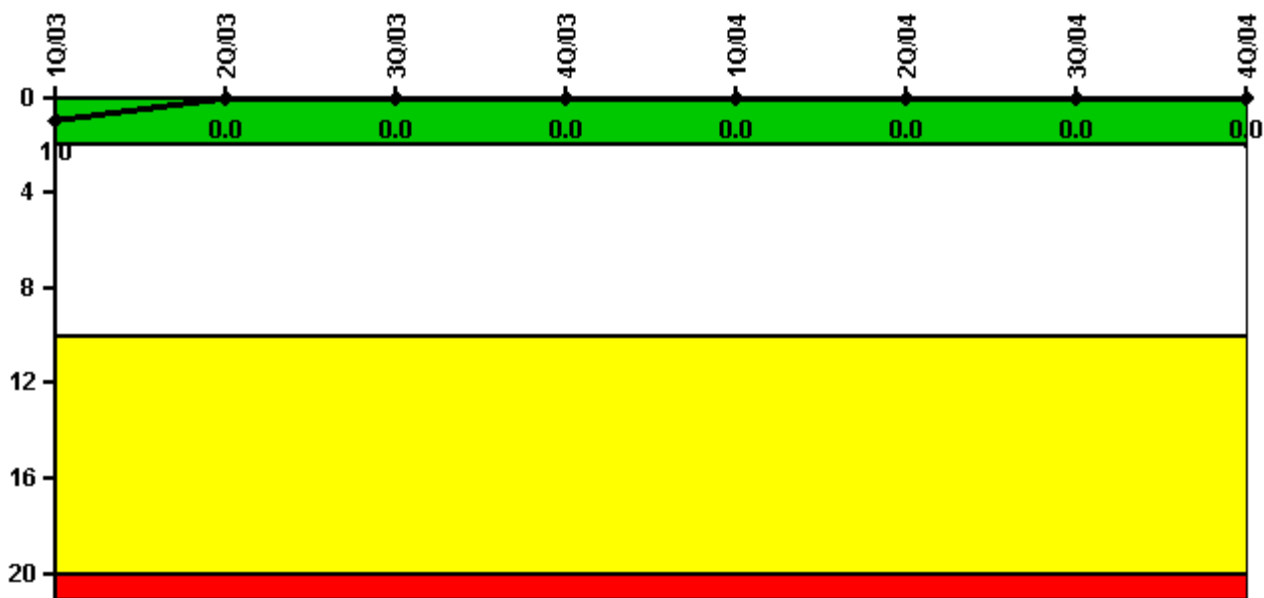
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1947.5	677.1	2167.8	2209.0
Indicator value	1.0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



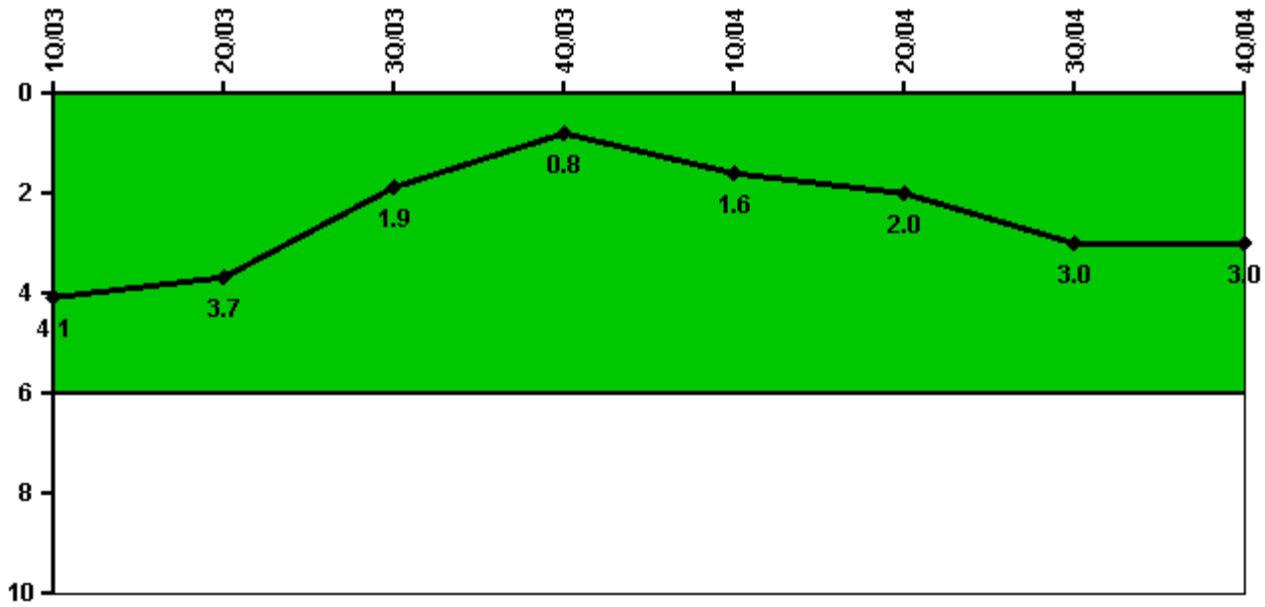
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



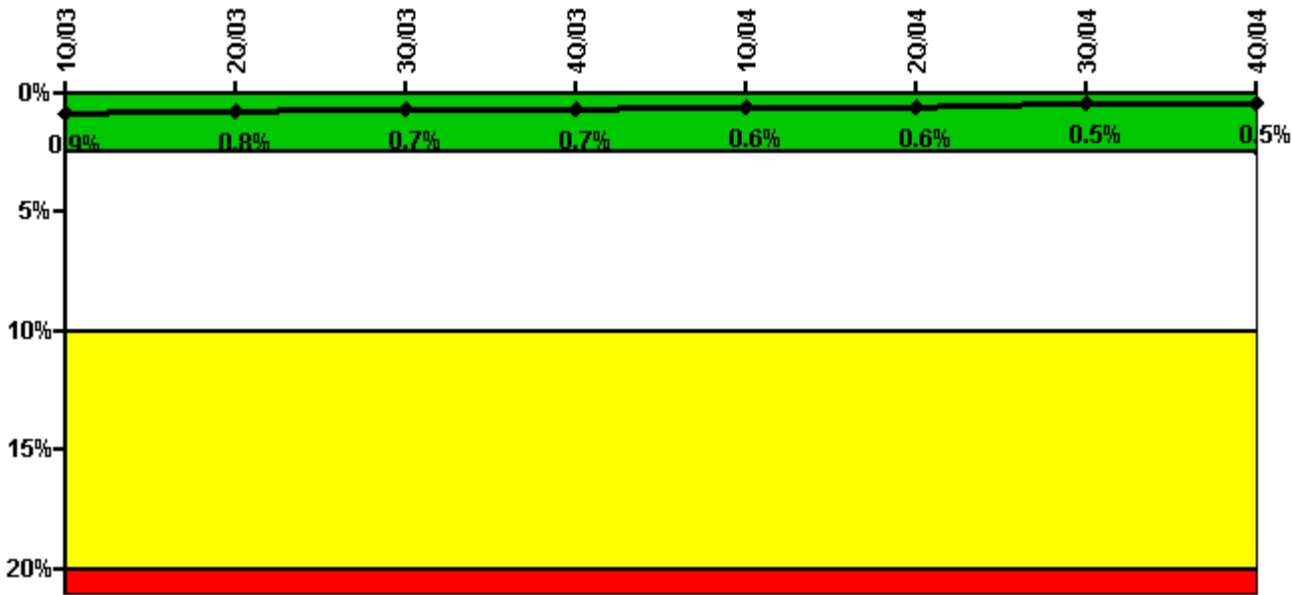
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	1.0	0	0	1.0	1.0	1.0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1947.5	677.1	2167.8	2209.0
Indicator value	4.1	3.7	1.9	0.8	1.6	2.0	3.0	3.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0	0	0	0	0	1.47	1.30	0
Unplanned unavailable hours	0	0	15.50	0	0	0	2.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	3.74	3.08	18.63	6.48	13.22	3.80	0	3.31
Unplanned unavailable hours	0	0.20	4.90	0.25	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	1.45	2.80	1.55	5.00	1.52	8.74	3.15	2.33
Unplanned unavailable hours	120.30	28.90	2.90	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	0.9%	0.8%	0.7%	0.7%	0.6%	0.6%	0.5%	0.5%

Licensee Comments:

2Q/04: January 2005: 1.88 and 1.32 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/04: January 2005: 1.65 and 1.52 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and

Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/03: January 2005: 6.48 and 5.0 of Planned Unavailable Hours added to the last month of the 4th quarter 2003 for Train 2 and Train 3, respectively. These additional hours were accrued during Solid State Protection System testing in this quarter and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

3Q/03: January 2005: 4.23 and 1.55 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

2Q/03: January 2005: 3.08 and 2.8 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/03: January 2005: 3.74 and 1.45 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/02: January 2005: 0.0 and 1.23 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

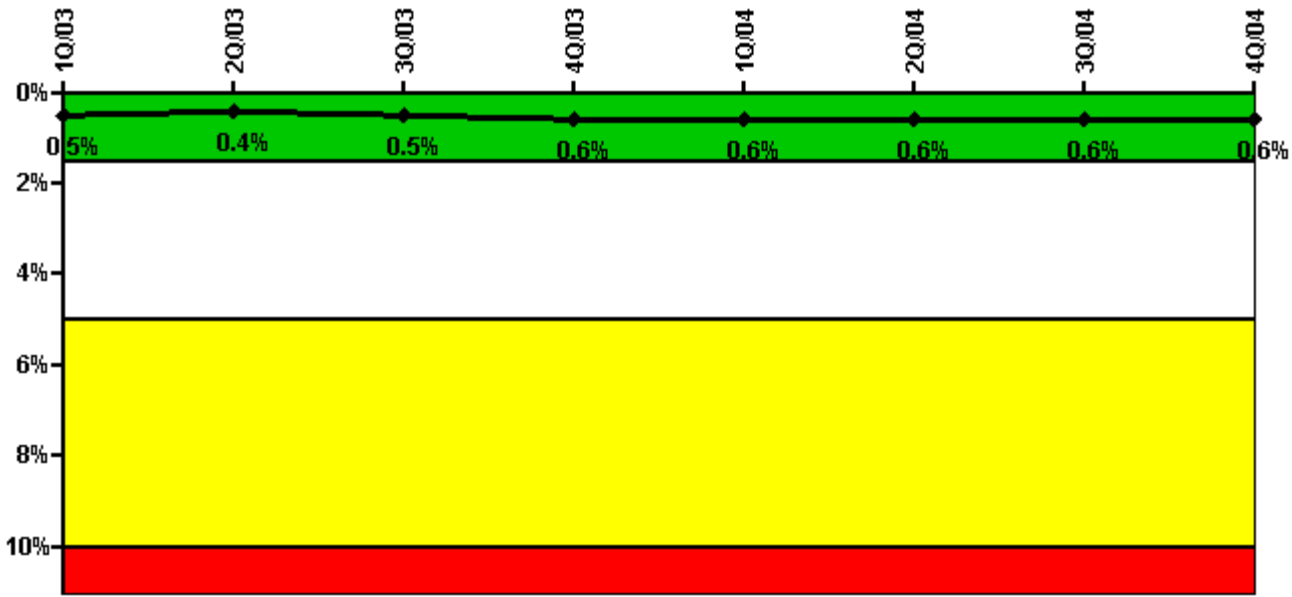
3Q/02: Change to clarify that EDG 3 for Unit 1 was not Fault Exposure hours but T/2 Fault Exposure hours. January 2005: 1.22 and 1.43 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

2Q/02: January 2005: 1.5 and 2.68 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/02: January 2005: 2.78 and 1.37 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/01: January 2005: 5.88 and 2.68 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	1.45	2.80	89.05	5.00	13.52	1.32	3.15	14.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0.33
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00
Train 2								
Planned unavailable hours	17.24	3.08	17.13	15.91	11.23	1.88	18.03	3.31
Unplanned unavailable hours	0	0	0	0	0	0	0	0.33
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00
Train 3								
Planned unavailable hours	1.85	17.10	1.95	17.59	2.53	1.81	14.00	2.92
Unplanned unavailable hours	0	0	1.90	12.58	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00
Train 4								
Planned unavailable hours	20.34	3.18	14.33	6.48	2.37	2.26	0.08	3.38
Unplanned unavailable hours	0	0	1.80	0	0	19.88	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00
Indicator value	0.5%	0.4%	0.5%	0.6%	0.6%	0.6%	0.6%	0.6%

Licensee Comments:

2Q/04: January 2005: 1.32, 1.88, 1.32 and 1.88 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/04: January 2005: 1.52, 1.65, 1.52 and 1.65 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/03: January 2005: 5.0, 6.48, 5.0, 6.48 of Planned Unavailable Hours added to the last month of this quarter for Train 1,2,3,4 respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

3Q/03: January 2005: 1.55, 4.23, 1.55 and 4.23 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

2Q/03: January 2005: 2.8, 3.08, 2.8 and 3.08 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/03: January 2005: 1.45, 3.74, 1.45 and 3.74 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/02: January 2005: 1.23, 0.0, 1.23 and 0.0 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

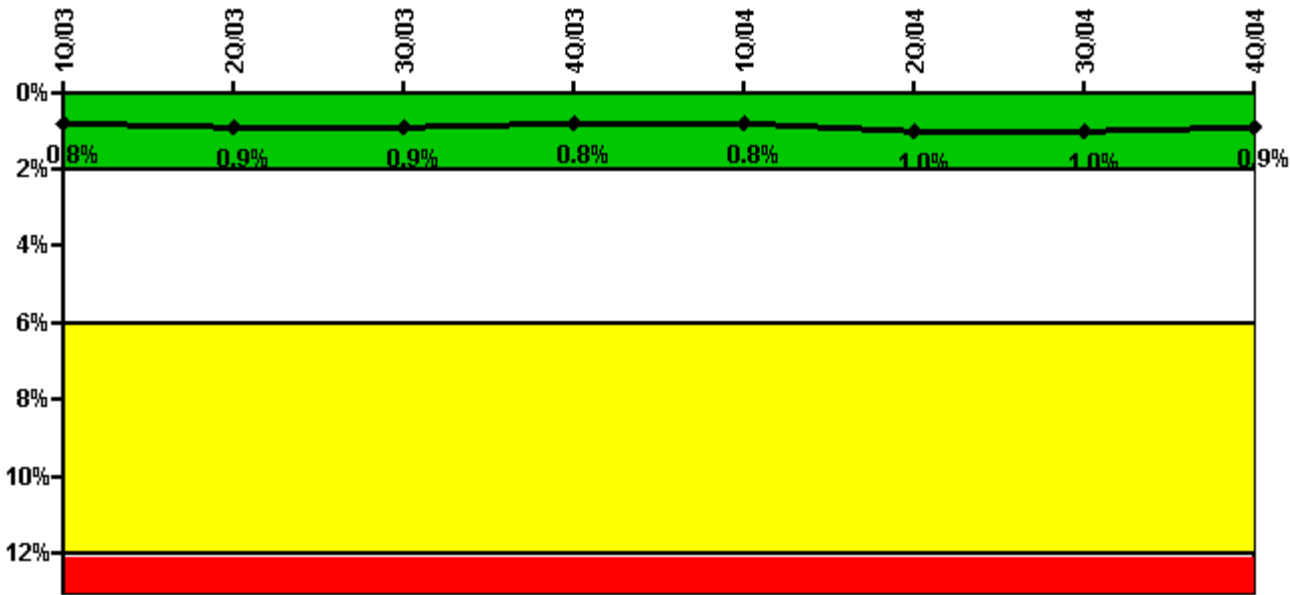
3Q/02: January 2005: 1.43, 1.22, 1.43 and 1.22 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

2Q/02: January 2005: 2.68, 1.5, 2.68 and 1.5 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/02: January 2005: 1.37, 2.78, 1.37 and 2.78 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/01: January 2005: 2.68, 5.88, 2.68 and 5.88 of Planned Unavailable Hours added to the last month of this quarter for Train 1, 2, 3 and 4, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	1.00	30.70	11.70	2.05	11.30	1.15	18.97	2.55
Unplanned unavailable hours	0	0	0	0	0	93.27	21.25	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00
Train 2								
Planned unavailable hours	5.84	4.08	28.63	7.33	3.65	2.66	14.48	4.81
Unplanned unavailable hours	0	44.00	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00
Train 3								
Planned unavailable hours	37.45	4.50	1.55	18.68	2.00	15.77	4.32	12.96
Unplanned unavailable hours	0	0	52.60	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00
Indicator value	0.8%	0.9%	0.9%	0.8%	0.8%	1.0%	1.0%	0.9%

Licensee Comments:

2Q/04: January 2005: 1.88 and 1.32 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/04: January 2005: 1.65 and 1.52 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and

Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/03: January 2005: 6.48 and 5.0 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

3Q/03: January 2005: 4.23 and 1.55 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

2Q/03: January 2005: 3.08 and 2.8 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/03: January 2005: 3.74 and 1.45 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/02: January 2005: 0.0 and 1.23 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

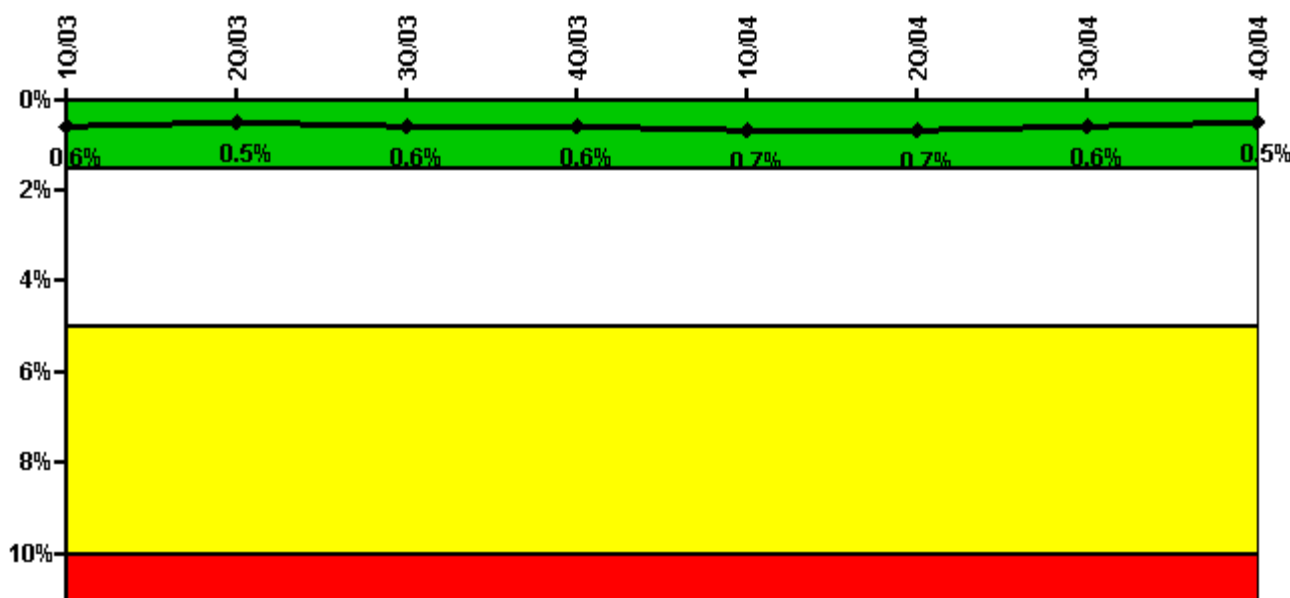
3Q/02: January 2005: 1.22 and 1.43 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

2Q/02: January 2005: 1.5 and 2.68 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/02: January 2005: 2.78 and 1.37 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/01: January 2005: 5.88 and 2.68 of Planned Unavailable Hours added to the last month of this quarter for Train 2 and Train 3, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	15.34	3.58	19.63	7.15	24.18	2.00	24.17	4.53
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	28.15	2.90	12.65	6.30	24.39	1.32	17.00	3.18
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	0.6%	0.5%	0.6%	0.6%	0.7%	0.7%	0.6%	0.5%

Licensee Comments:

2Q/04: January 2005: 1.88 and 1.32 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2 respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/04: January 2005: 1.65 and 1.52 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/03: January 2005: 6.48 and 5.0 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

3Q/03: January 2005: 4.23 and 1.55 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

2Q/03: January 2005: 3.08 and 2.8 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/03: January 2005: 3.74 and 1.45 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/02: January 2005: 0.0 and 1.23 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

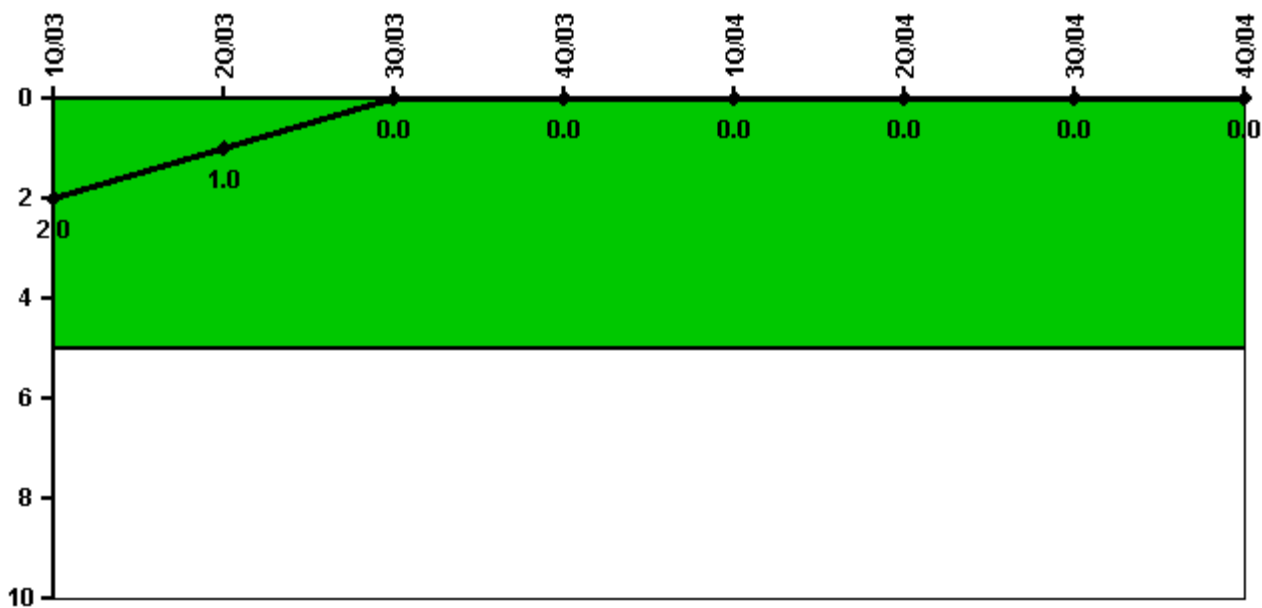
3Q/02: January 2005: 1.22 and 1.43 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

2Q/02: January 2005: 1.5 and 2.68 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

1Q/02: January 2005: 2.78 and 1.37 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

4Q/01: January 2005: 5.88 and 2.68 of Planned Unavailable Hours added to the last month of this quarter for Train 1 and Train 2, respectively. These additional hours were accrued in this quarter during Solid State Protection System (SSPS) testing and identified by Diablo Canyon during a review of previously submitted safety system unavailability data. This correction does not affect the color of the performance indicator.

Safety System Functional Failures (PWR)



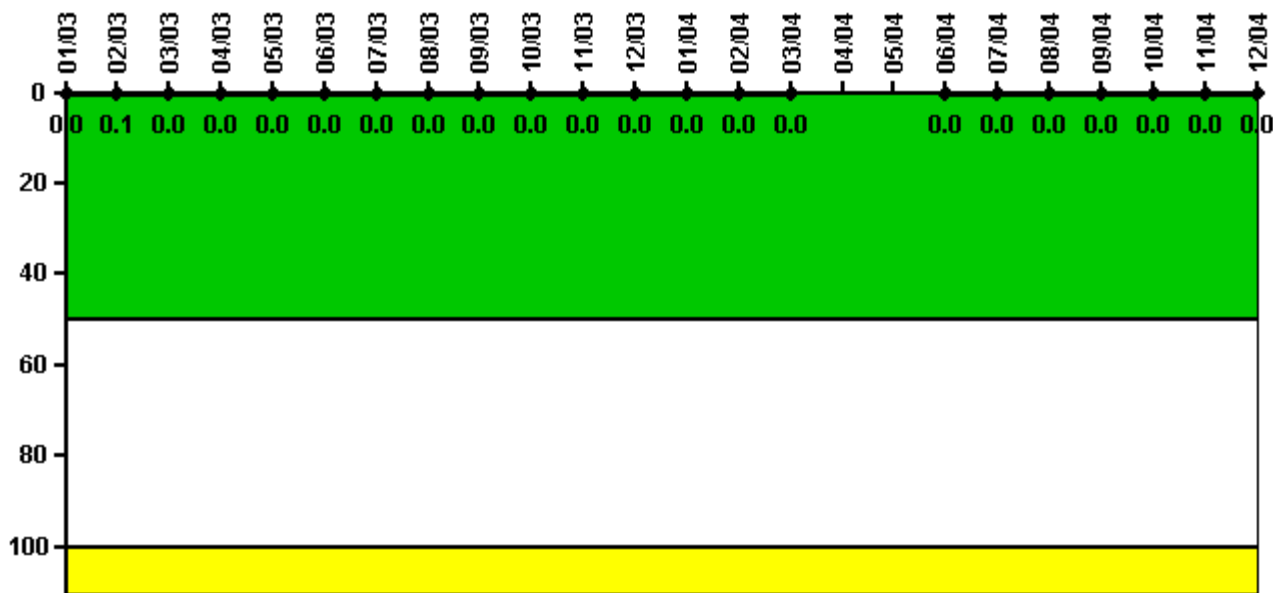
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	2	1	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



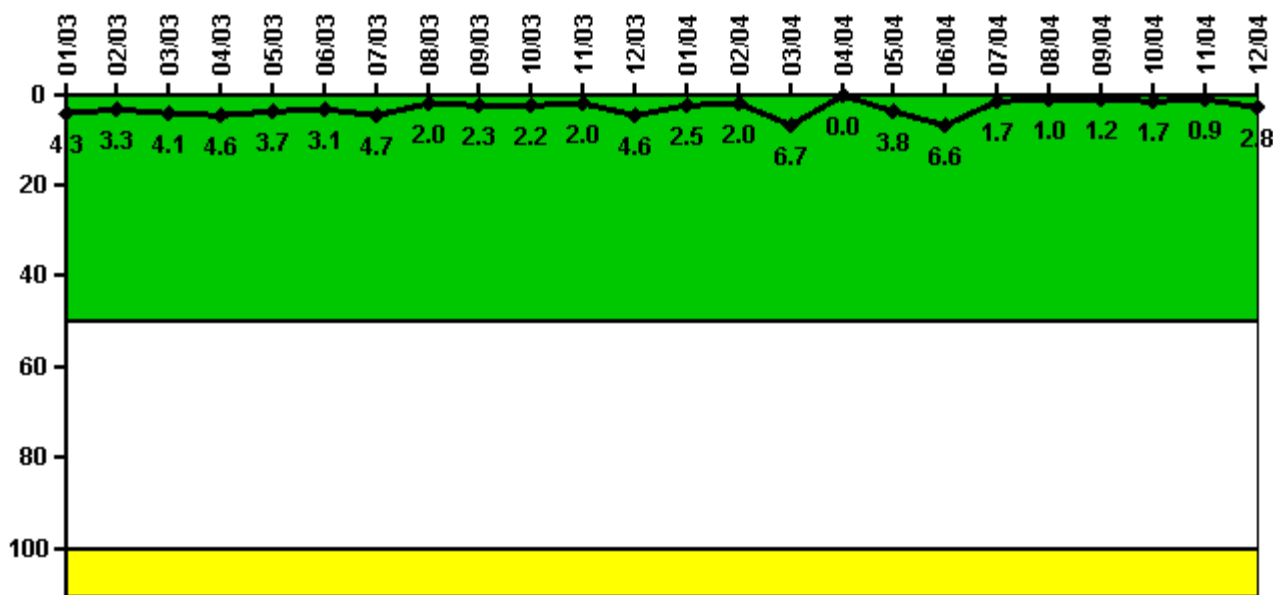
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.000253	0.000552	0.000255	0.000276	0.000275	0.000287	0.000281	0.000286	0.000307	0.000299	0.000290	0.000305
Technical specification limit	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0.1	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.000316	0.000362	0.000274	N/A	N/A	0.000178	0.000184	0.000196	0.000208	0.000227	0.000316	0.000286
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	N/A	N/A	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

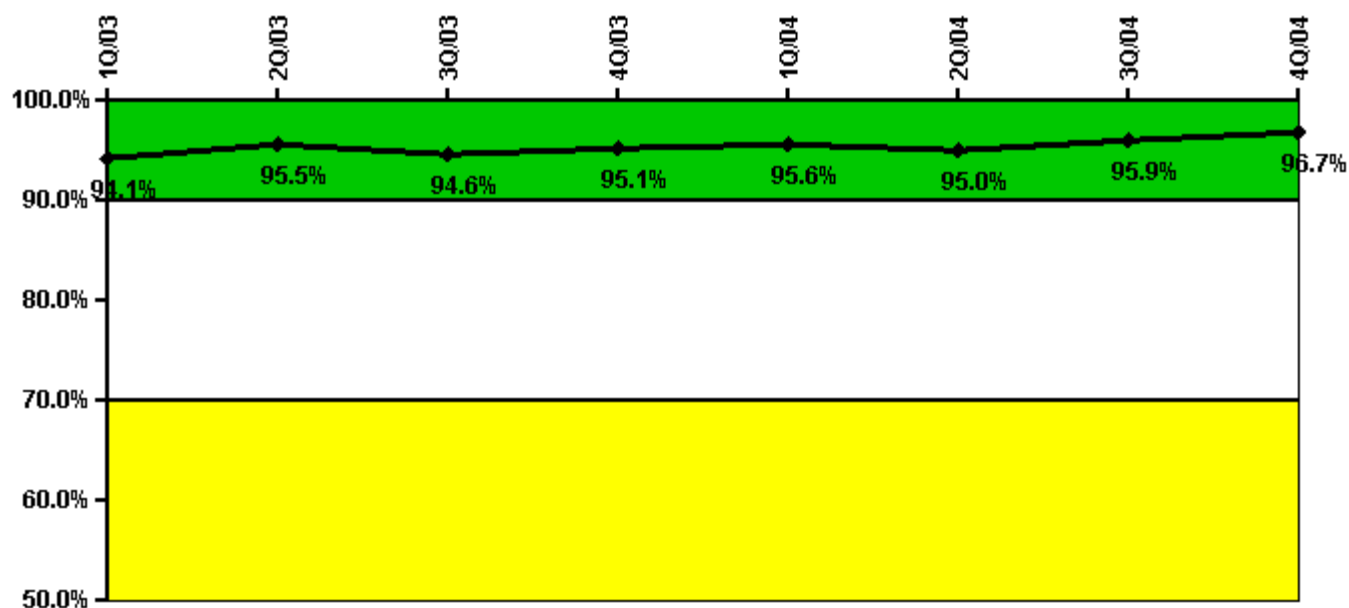
Notes

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	0.425	0.332	0.405	0.455	0.366	0.313	0.465	0.198	0.232	0.217	0.197	0.459
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	4.3	3.3	4.1	4.6	3.7	3.1	4.7	2.0	2.3	2.2	2.0	4.6

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.253	0.199	0.669	0	0.383	0.655	0.168	0.099	0.123	0.169	0.085	0.275
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	2.5	2.0	6.7	0	3.8	6.6	1.7	1.0	1.2	1.7	0.9	2.8

Licensee Comments: none

Drill/Exercise Performance



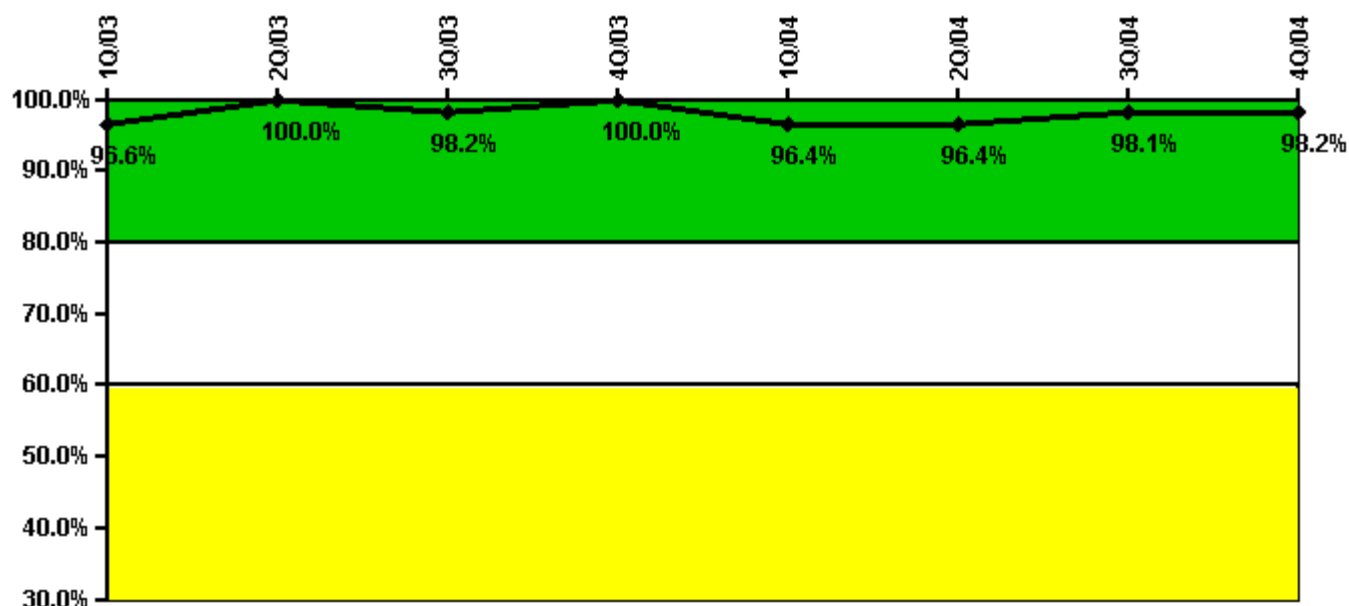
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	33.0	57.0	21.0	15.0	39.0	14.0	14.0	11.0
Total opportunities	33.0	58.0	23.0	15.0	41.0	15.0	14.0	12.0
Indicator value	94.1%	95.5%	94.6%	95.1%	95.6%	95.0%	95.9%	96.7%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	57.0	55.0	54.0	54.0	53.0	53.0	53.0	55.0
Total Key personnel	59.0	55.0	55.0	54.0	55.0	55.0	54.0	56.0
Indicator value	96.6%	100.0%	98.2%	100.0%	96.4%	96.4%	98.1%	98.2%

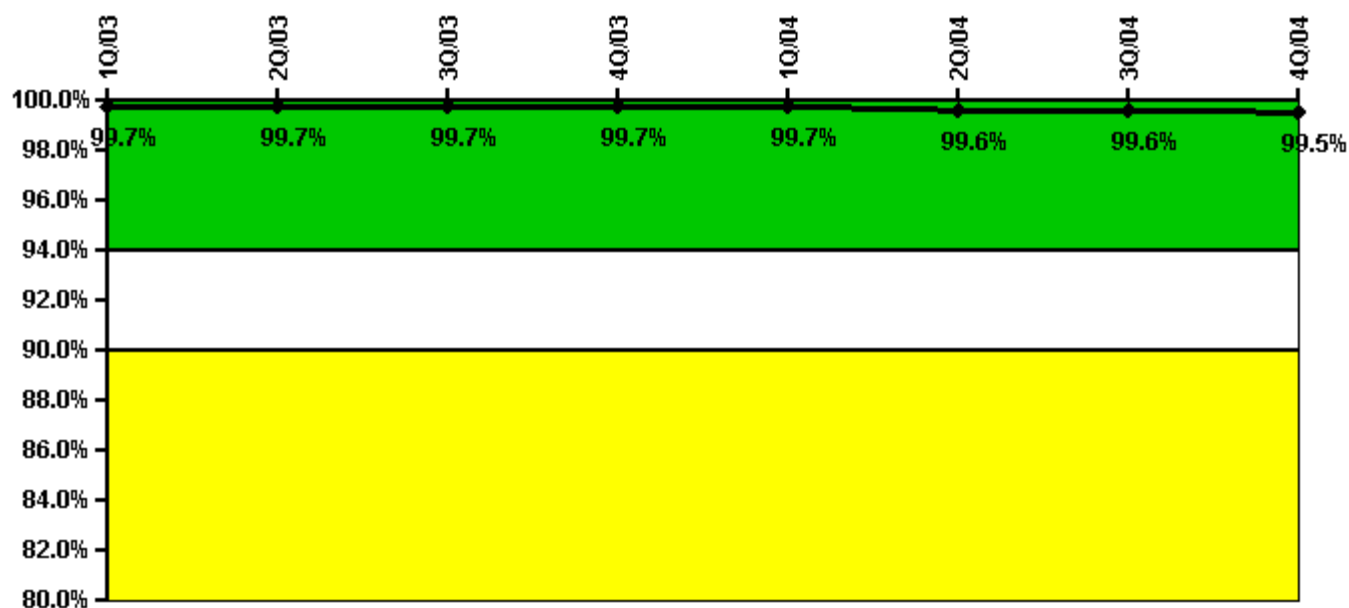
Licensee Comments:

3Q/04: January 2005: During review of previously submitted ERO Drill Participation data, it was noted that the number of key ERO members that have participated in a drill in previous 3 quarters needed to be reduced by 1. The reduction of 1 key ERO member in the PI calculation does NOT result in a change to the color of the PI.

2Q/04: January 2005: During review of previously submitted ERO Drill Participation data, it was noted that the number of key ERO members that have participated in a drill in previous 3 quarters needed to be reduced by 1. The reduction of 1 key ERO member in the PI calculation does NOT result in a change to the color of the PI.

1Q/04: January 2005: During review of previously submitted ERO Drill Participation data, it was noted that the number of key ERO members that have participated in a drill in previous 3 quarters needed to be reduced by 1. The reduction of 1 key ERO member in the PI calculation does NOT result in a change to the color of the PI.

Alert & Notification System



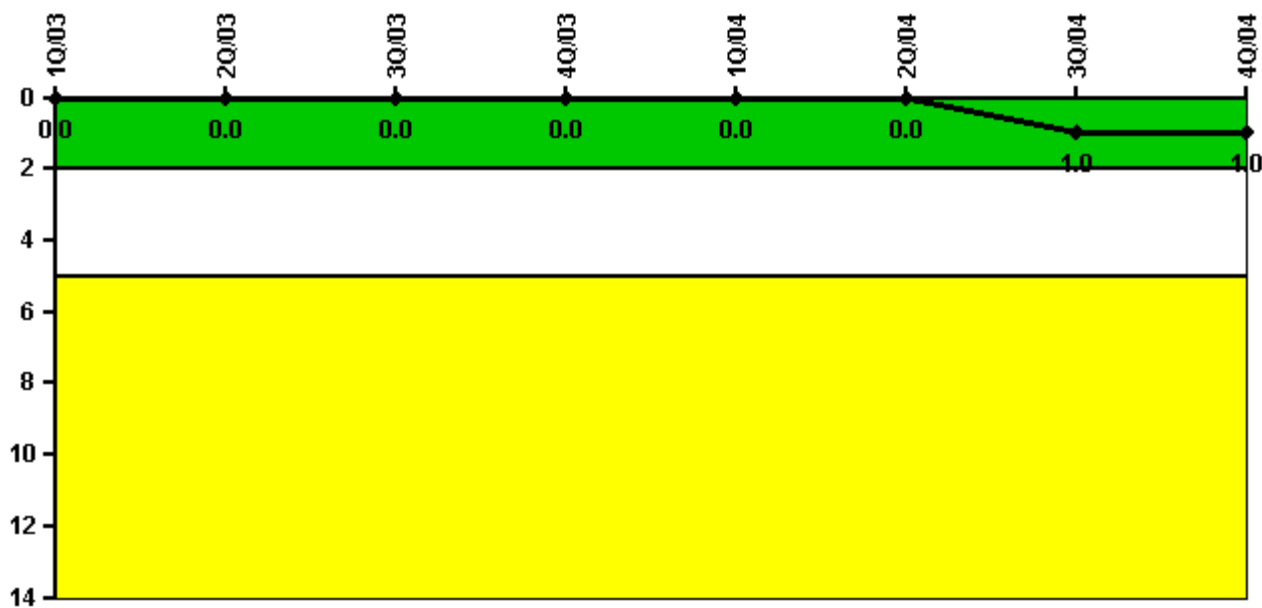
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	913	915	1174	1046	1044	1043	1303	911
Total sirens-tests	917	917	1179	1048	1048	1048	1310	917
Indicator value	99.7%	99.7%	99.7%	99.7%	99.7%	99.6%	99.6%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



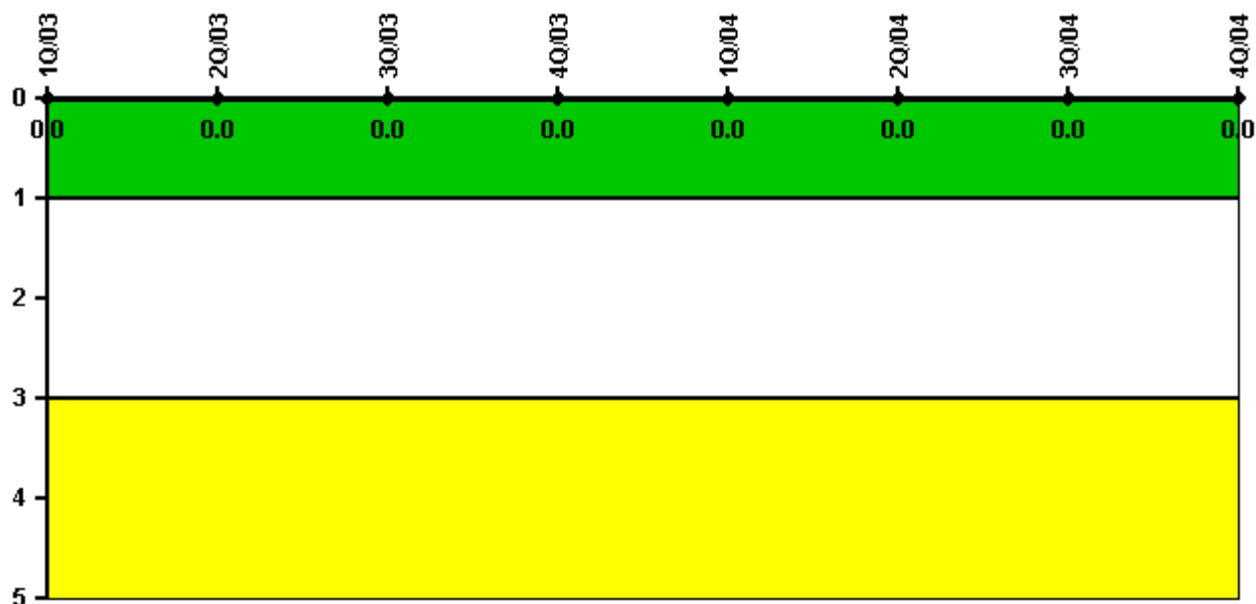
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
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: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

Last Modified: March 9, 2005

Diablo Canyon 1

1Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



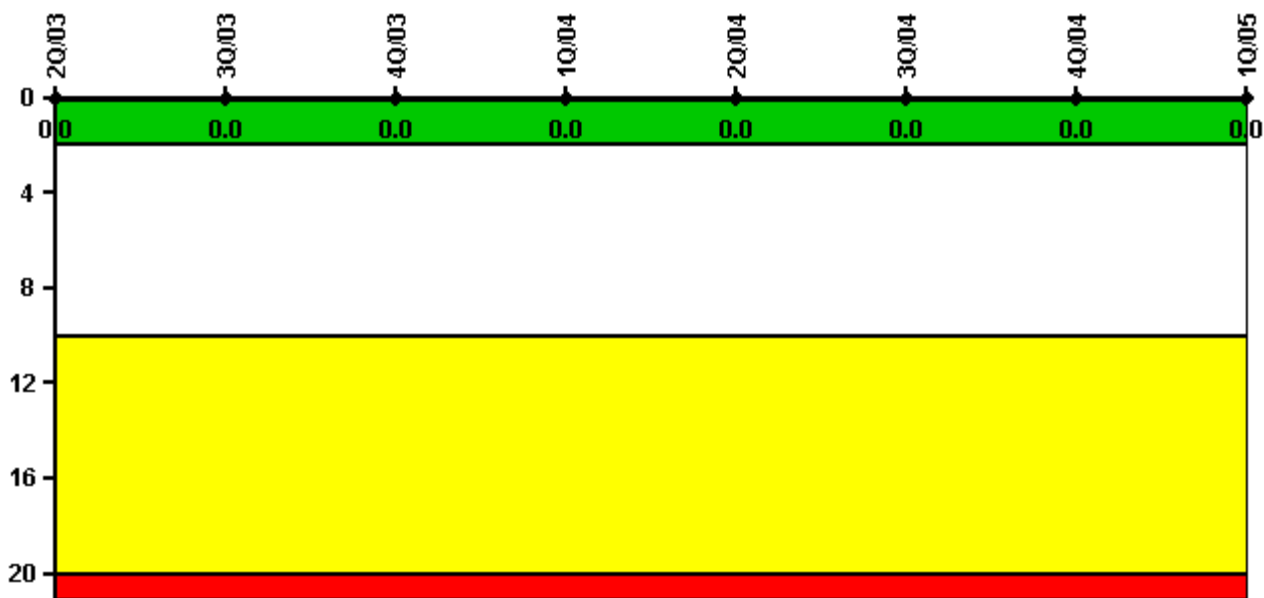
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1947.5	677.1	2167.8	2209.0	2160.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



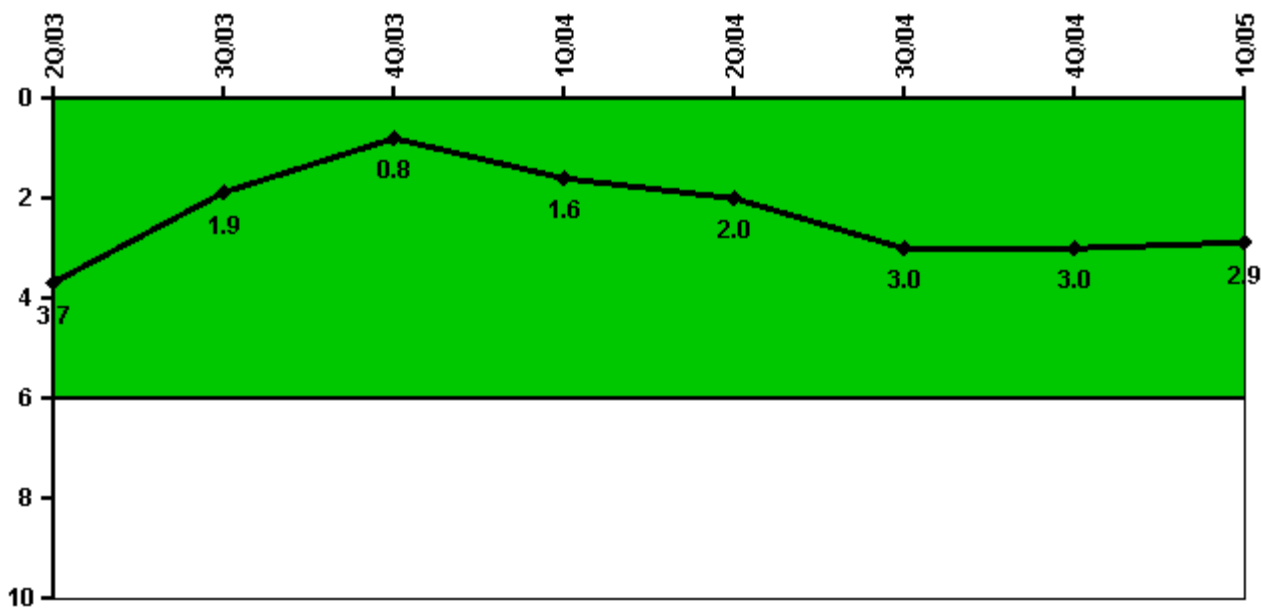
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



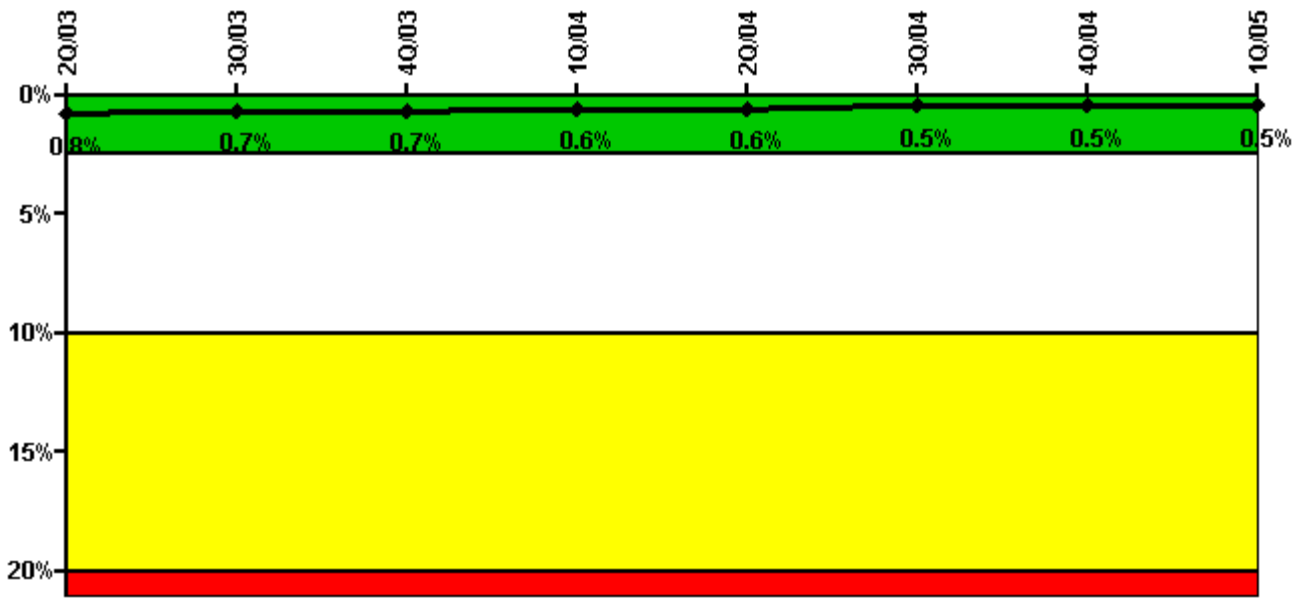
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	1.0	0	0	1.0	1.0	1.0	0	1.0
Critical hours	2183.0	2208.0	2209.0	1947.5	677.1	2167.8	2209.0	2160.0
Indicator value	3.7	1.9	0.8	1.6	2.0	3.0	3.0	2.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

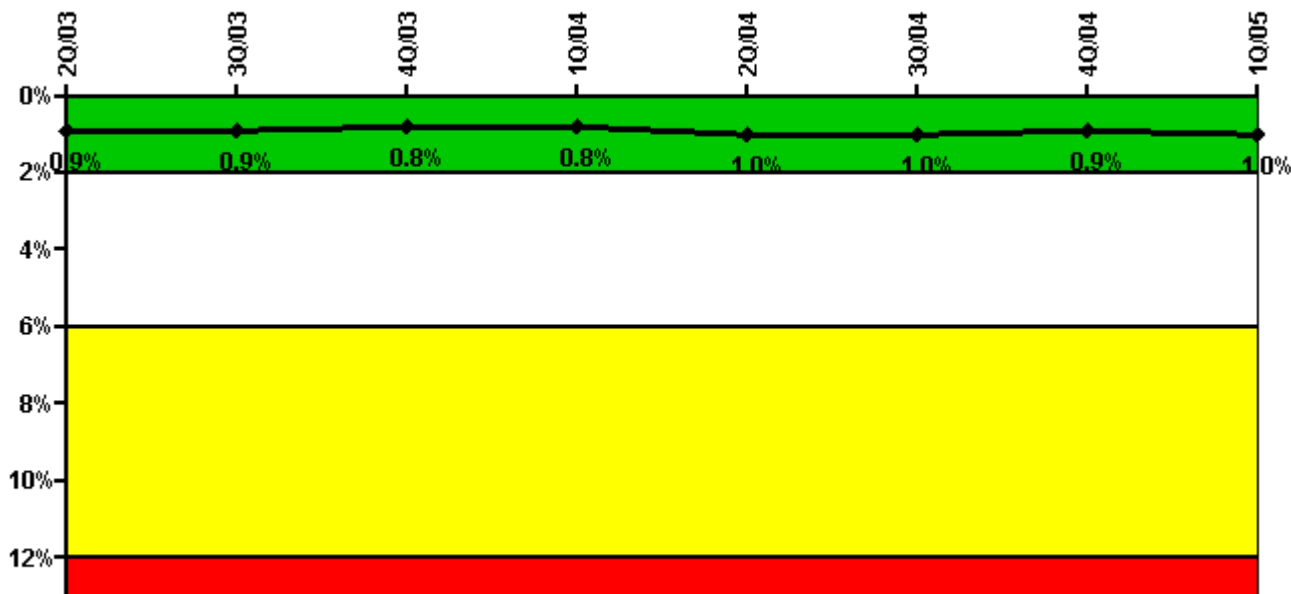
Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	0	0	0	1.47	1.30	0	0
Unplanned unavailable hours	0	15.50	0	0	0	2.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	3.08	18.63	6.48	13.22	3.80	0	3.31	3.15
Unplanned unavailable hours	0.20	4.90	0.25	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	2.80	1.55	5.00	1.52	8.74	3.15	2.33	1.28
Unplanned unavailable hours	28.90	2.90	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.8%	0.7%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%

Licensee Comments: none

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



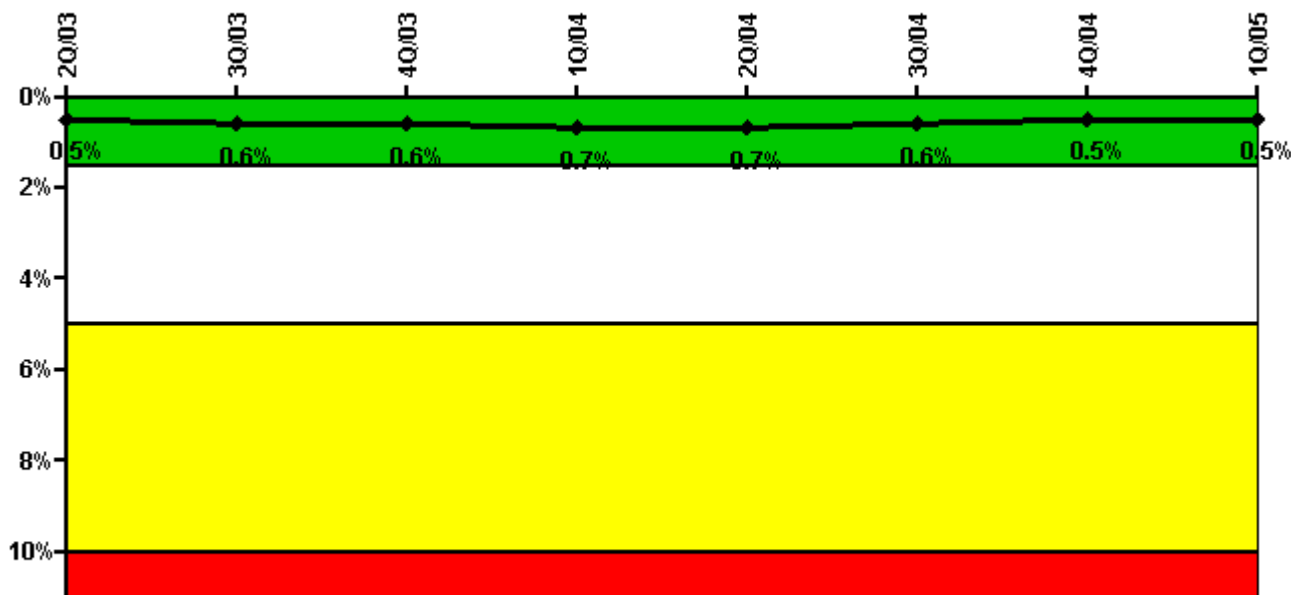
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	30.70	11.70	2.05	11.30	1.15	18.97	2.55	14.30
Unplanned unavailable hours	0	0	0	0	93.27	21.25	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00
Train 2								
Planned unavailable hours	4.08	28.63	7.33	3.65	2.66	14.48	4.81	28.10
Unplanned unavailable hours	44.00	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00
Train 3								
Planned unavailable hours	4.50	1.55	18.68	2.00	15.77	4.32	12.96	14.67
Unplanned unavailable hours	0	52.60	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00
Indicator value	0.9%	0.9%	0.8%	0.8%	1.0%	1.0%	0.9%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



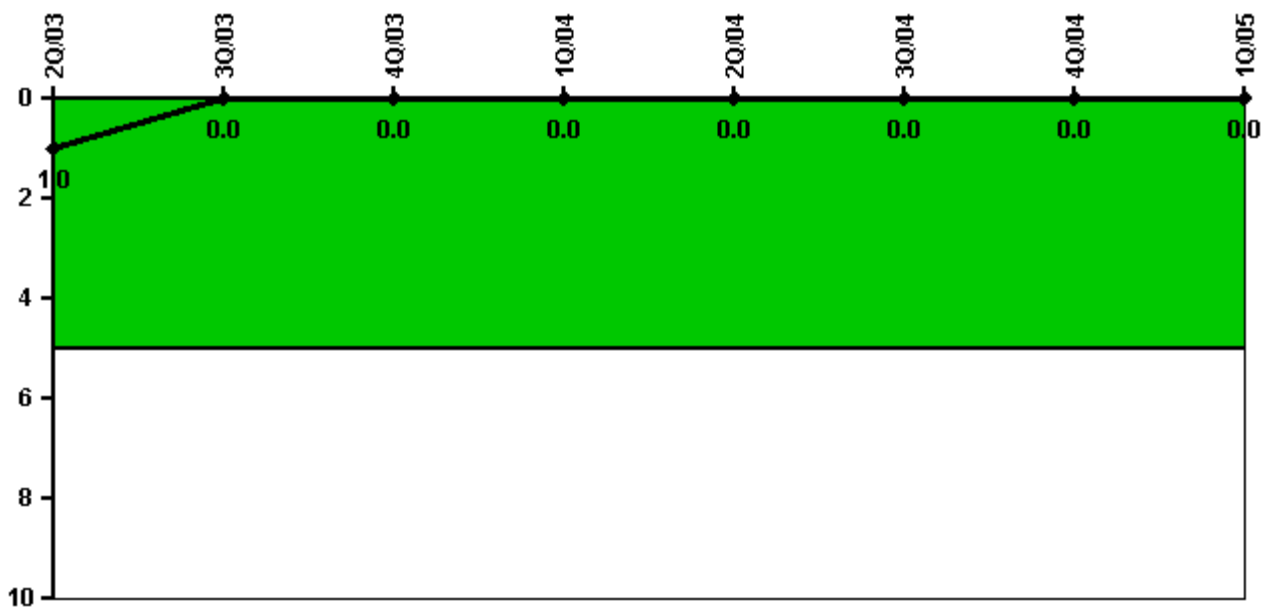
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	3.58	19.63	7.15	24.18	2.00	24.17	4.53	3.92
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	2.90	12.65	6.30	24.39	1.32	17.00	3.18	3.43
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.5%	0.6%	0.6%	0.7%	0.7%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



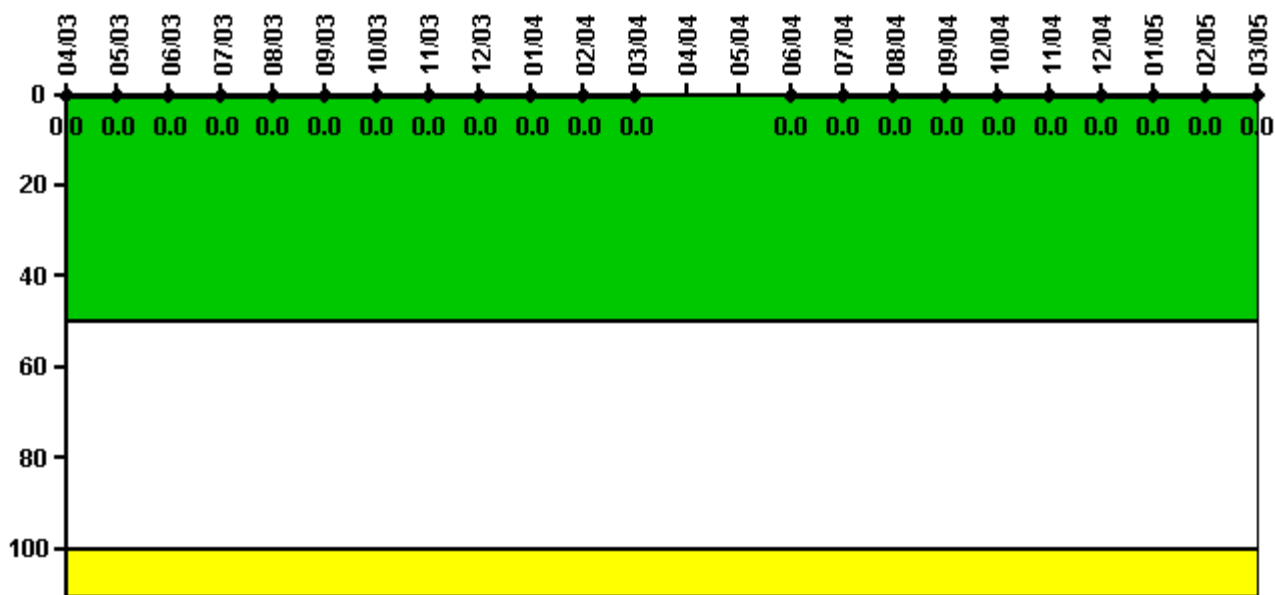
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



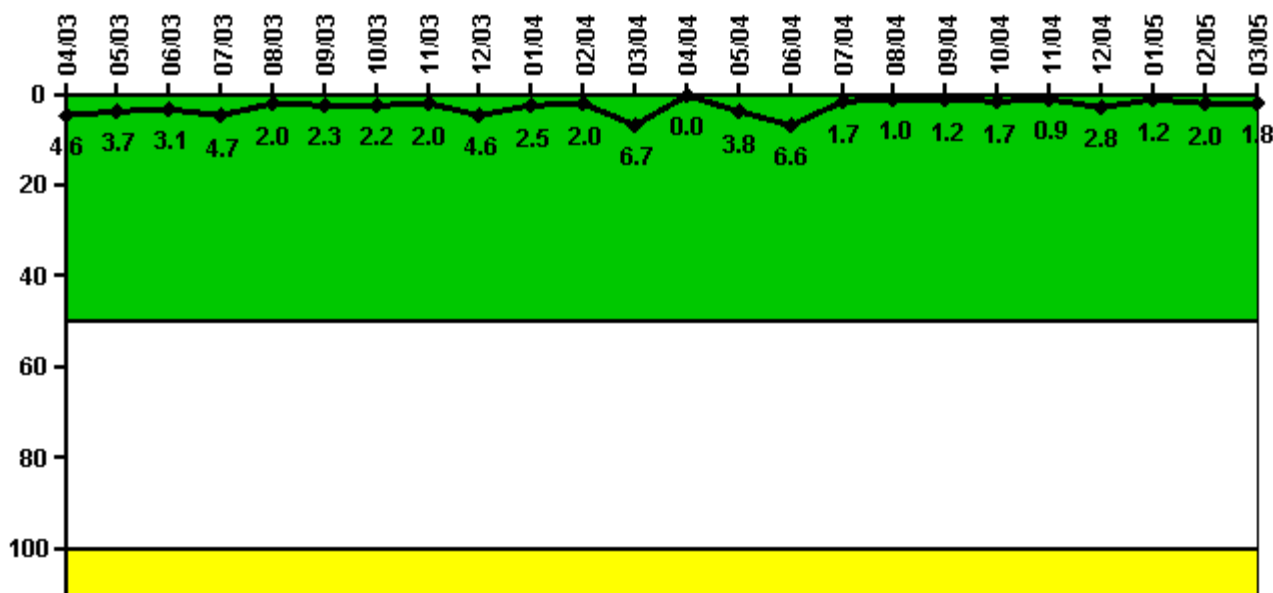
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.000276	0.000275	0.000287	0.000281	0.000286	0.000307	0.000299	0.000290	0.000305	0.000316	0.000362	0.000274
Technical specification limit	0.7	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
Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	N/A	N/A	0.000178	0.000184	0.000196	0.000208	0.000227	0.000316	0.000286	0.000236	0.000249	0.000248
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	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

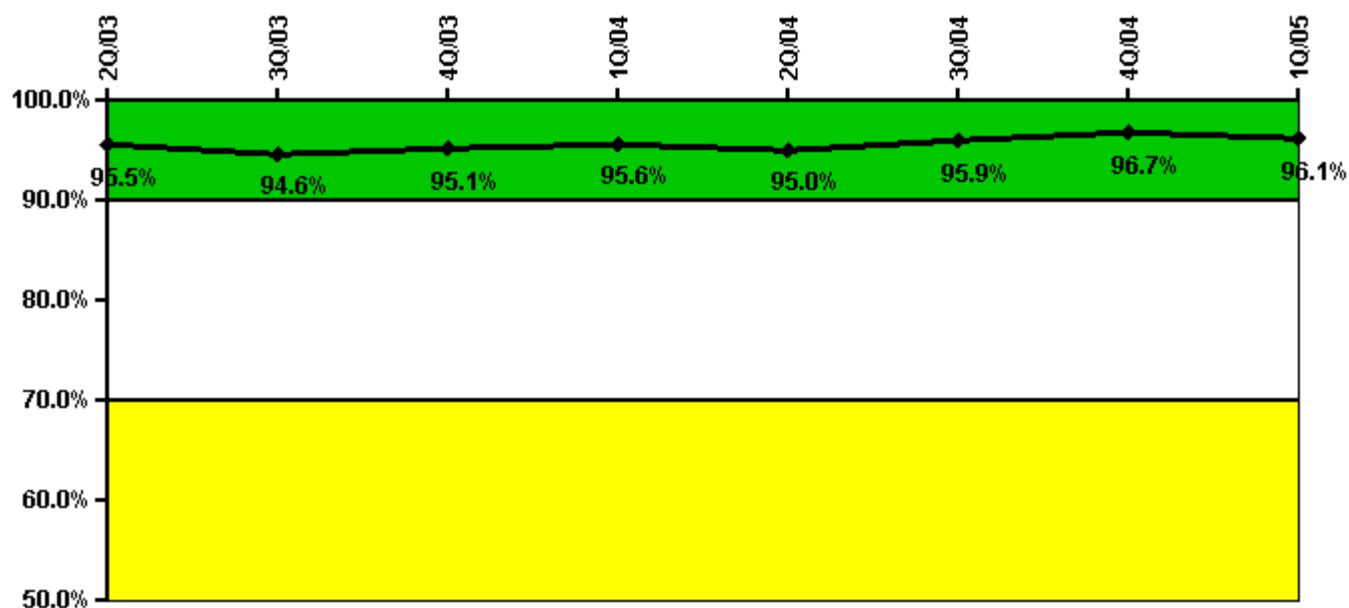
Notes

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.455	0.366	0.313	0.465	0.198	0.232	0.217	0.197	0.459	0.253	0.199	0.669
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	4.6	3.7	3.1	4.7	2.0	2.3	2.2	2.0	4.6	2.5	2.0	6.7

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0	0.383	0.655	0.168	0.099	0.123	0.169	0.085	0.275	0.124	0.203	0.181
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	3.8	6.6	1.7	1.0	1.2	1.7	0.9	2.8	1.2	2.0	1.8

Licensee Comments: none

Drill/Exercise Performance



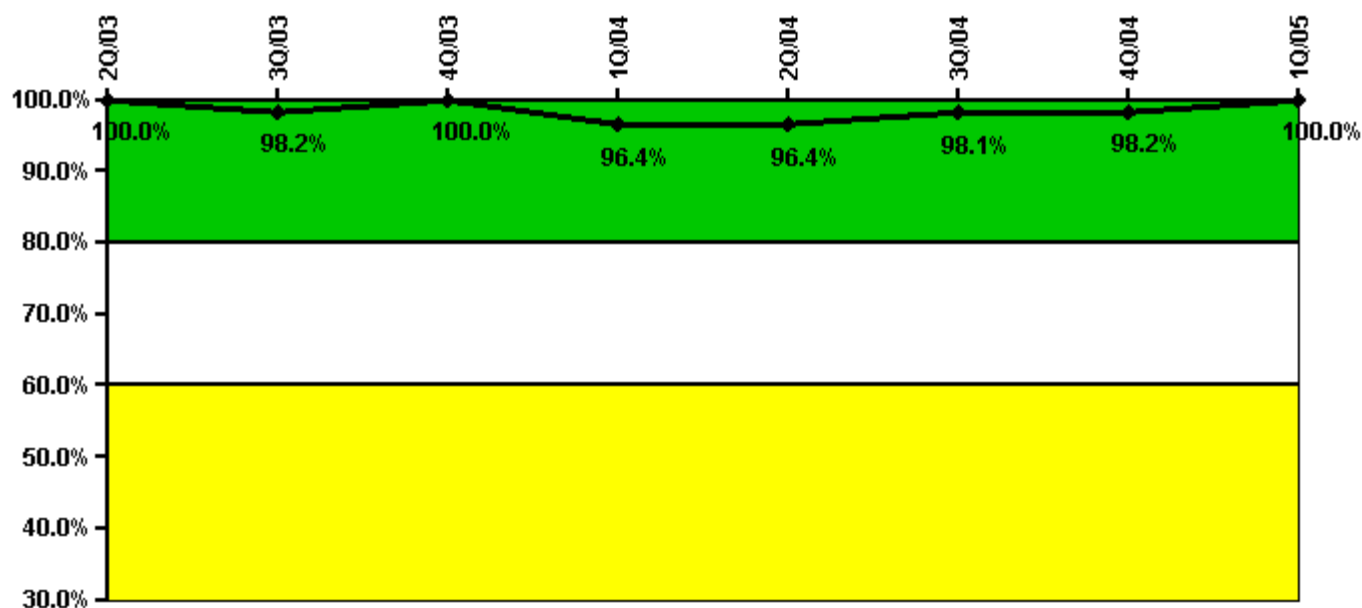
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	57.0	21.0	15.0	39.0	14.0	14.0	11.0	0
Total opportunities	58.0	23.0	15.0	41.0	15.0	14.0	12.0	0
Indicator value	95.5%	94.6%	95.1%	95.6%	95.0%	95.9%	96.7%	96.1%

Licensee Comments: none

ERO Drill Participation



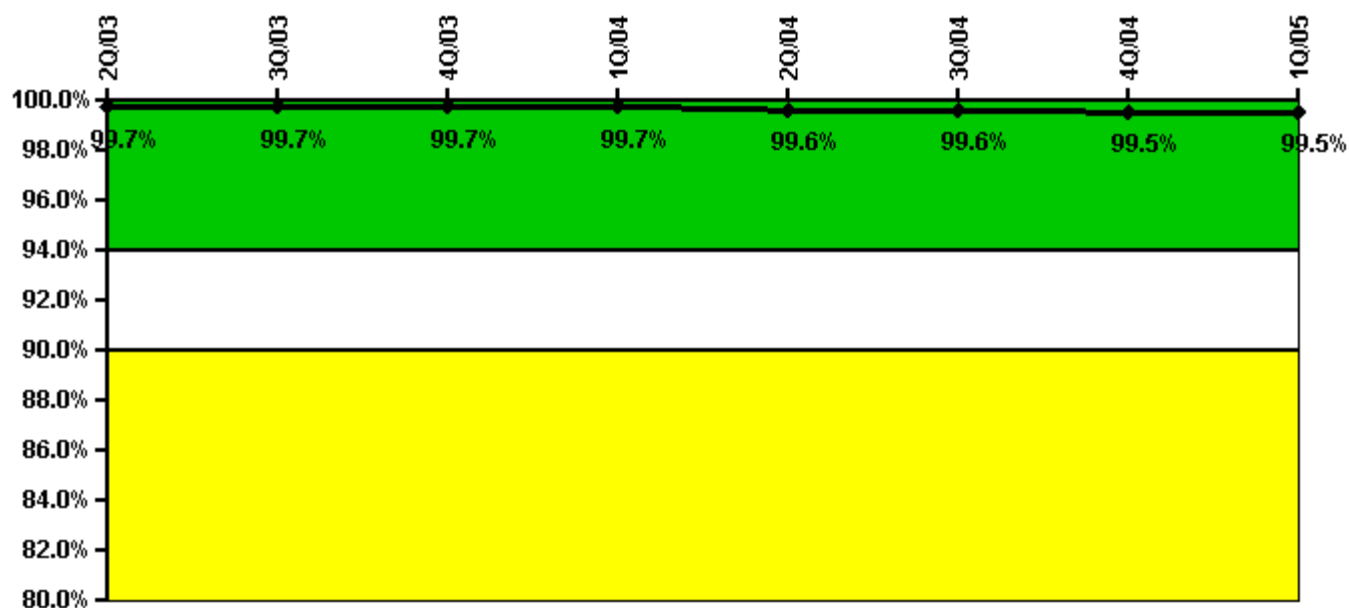
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	55.0	54.0	54.0	53.0	53.0	53.0	55.0	52.0
Total Key personnel	55.0	55.0	54.0	55.0	55.0	54.0	56.0	52.0
Indicator value	100.0%	98.2%	100.0%	96.4%	96.4%	98.1%	98.2%	100.0%

Licensee Comments: none

Alert & Notification System



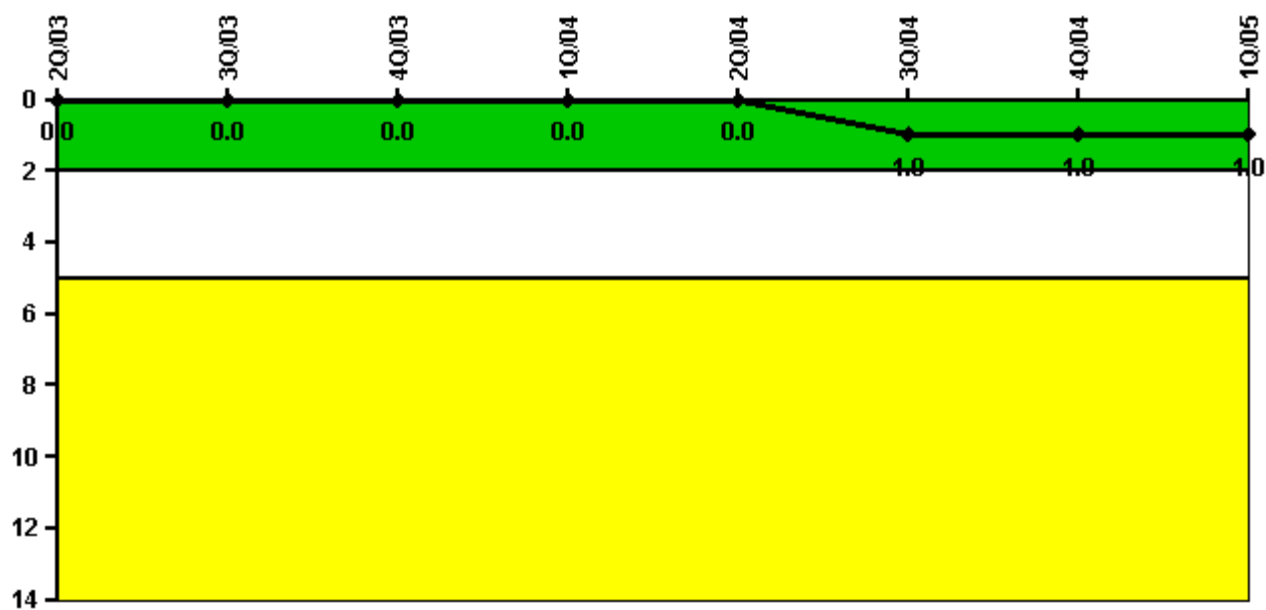
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	915	1174	1046	1044	1043	1303	911	1043
Total sirens-tests	917	1179	1048	1048	1048	1310	917	1048
Indicator value	99.7%	99.7%	99.7%	99.7%	99.6%	99.6%	99.5%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



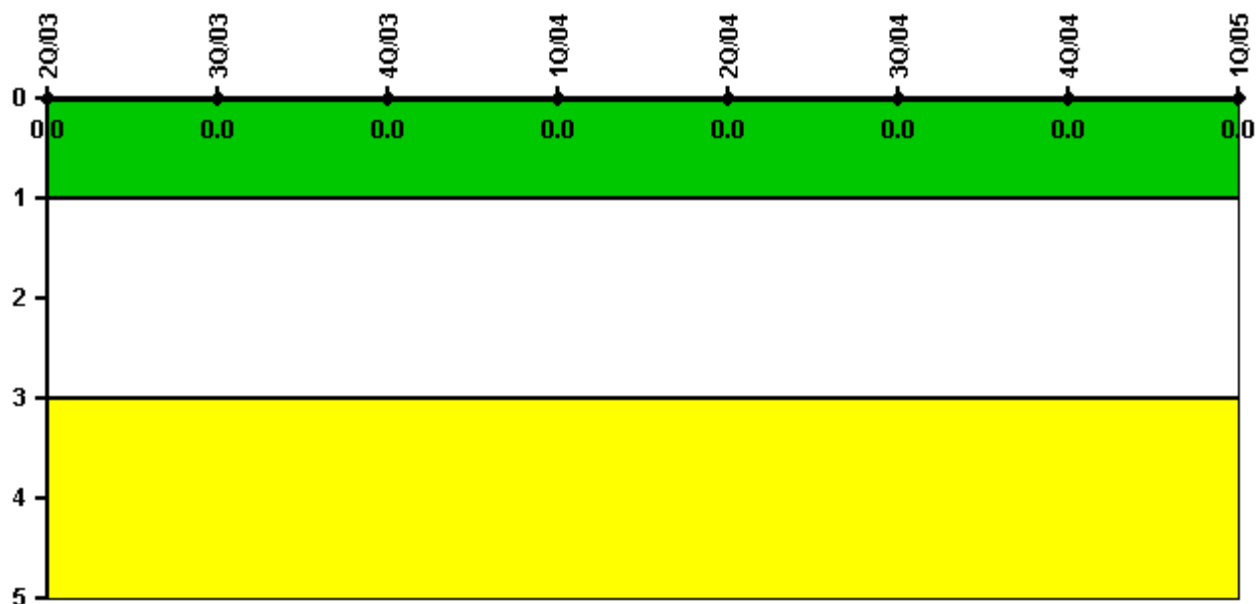
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
High radiation area occurrences	0	0	0	0	0	1	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	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

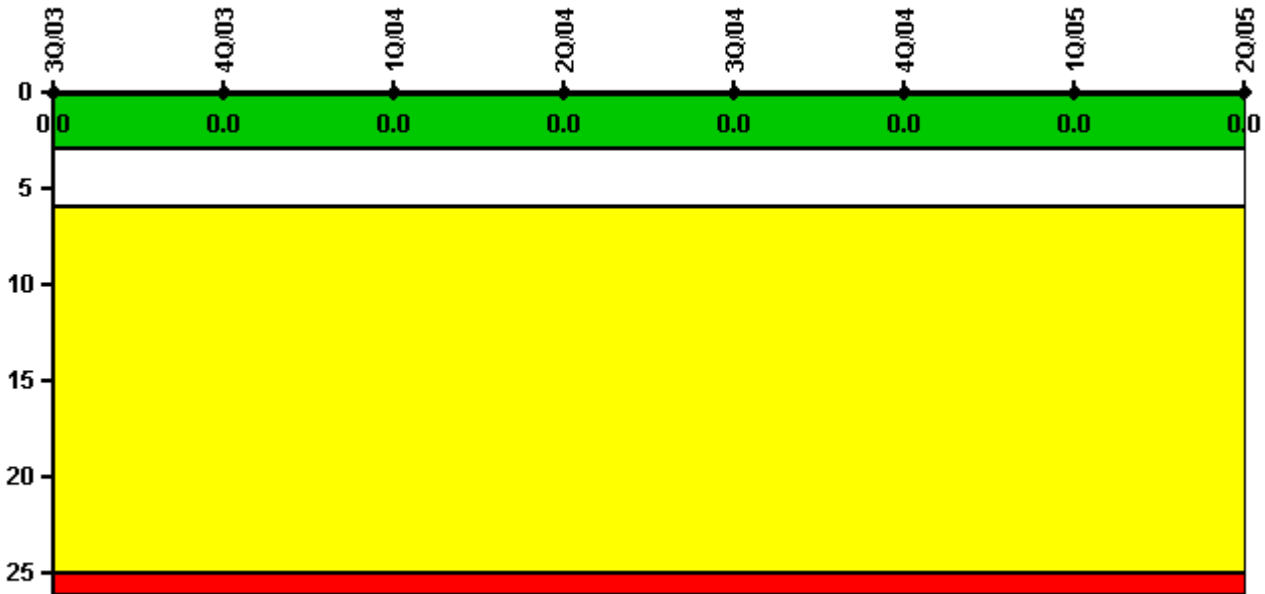
Last Modified: June 17, 2005

Diablo Canyon 1

2Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



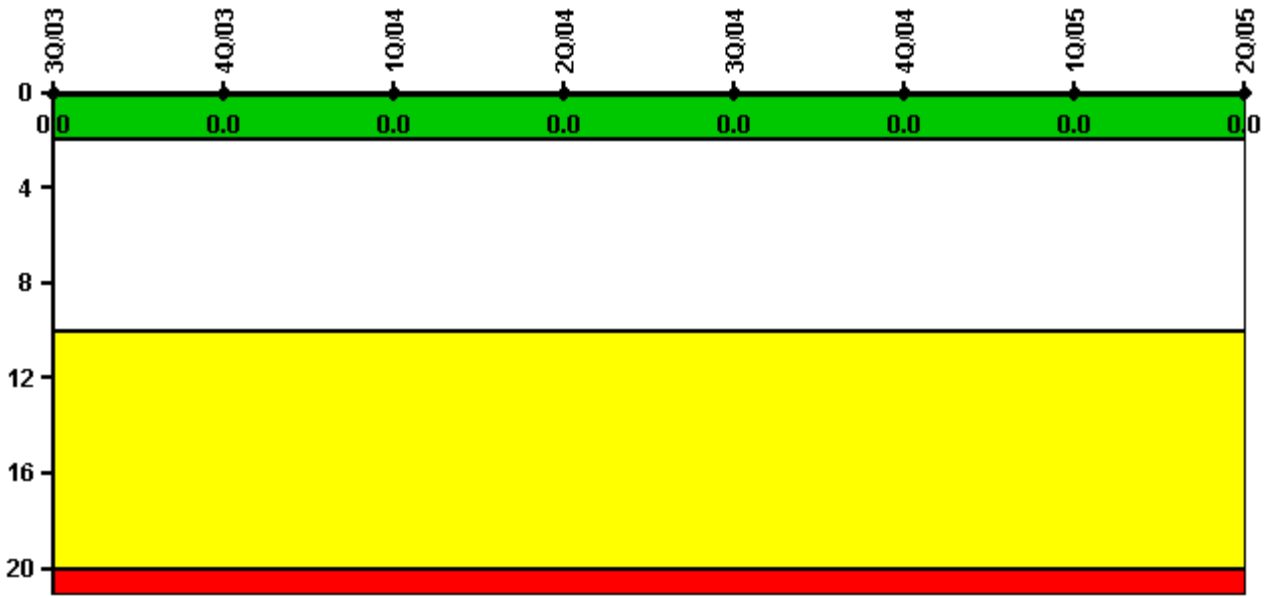
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1947.5	677.1	2167.8	2209.0	2160.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



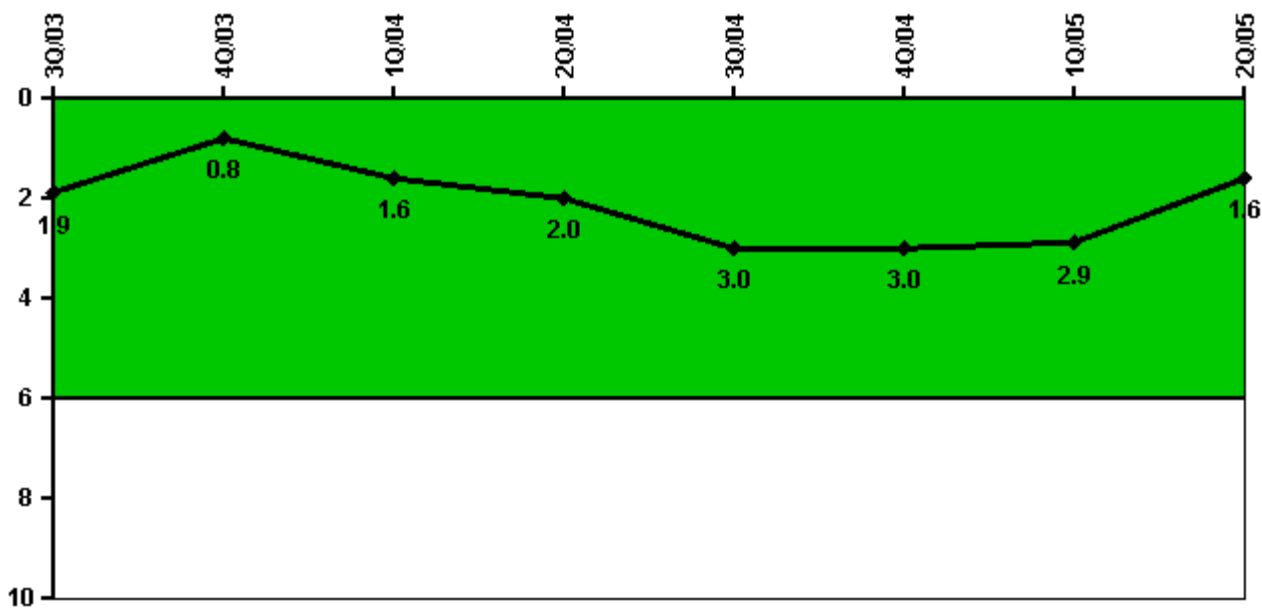
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



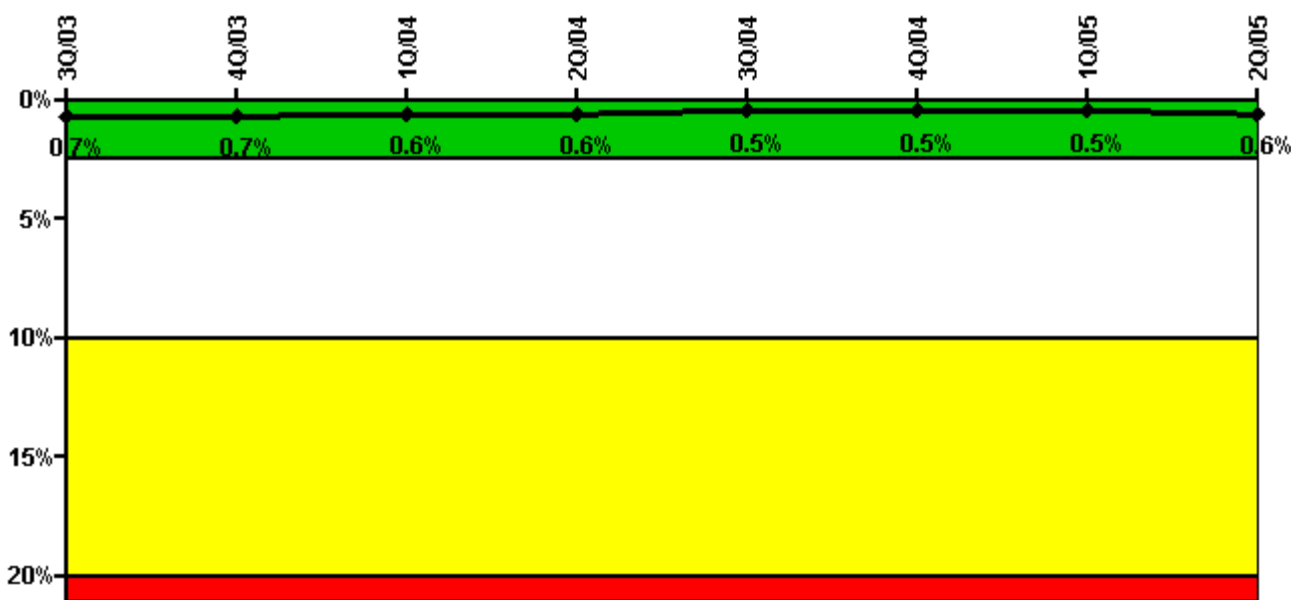
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	1.0	1.0	1.0	0	1.0	0
Critical hours	2208.0	2209.0	1947.5	677.1	2167.8	2209.0	2160.0	2183.0
Indicator value	1.9	0.8	1.6	2.0	3.0	3.0	2.9	1.6

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



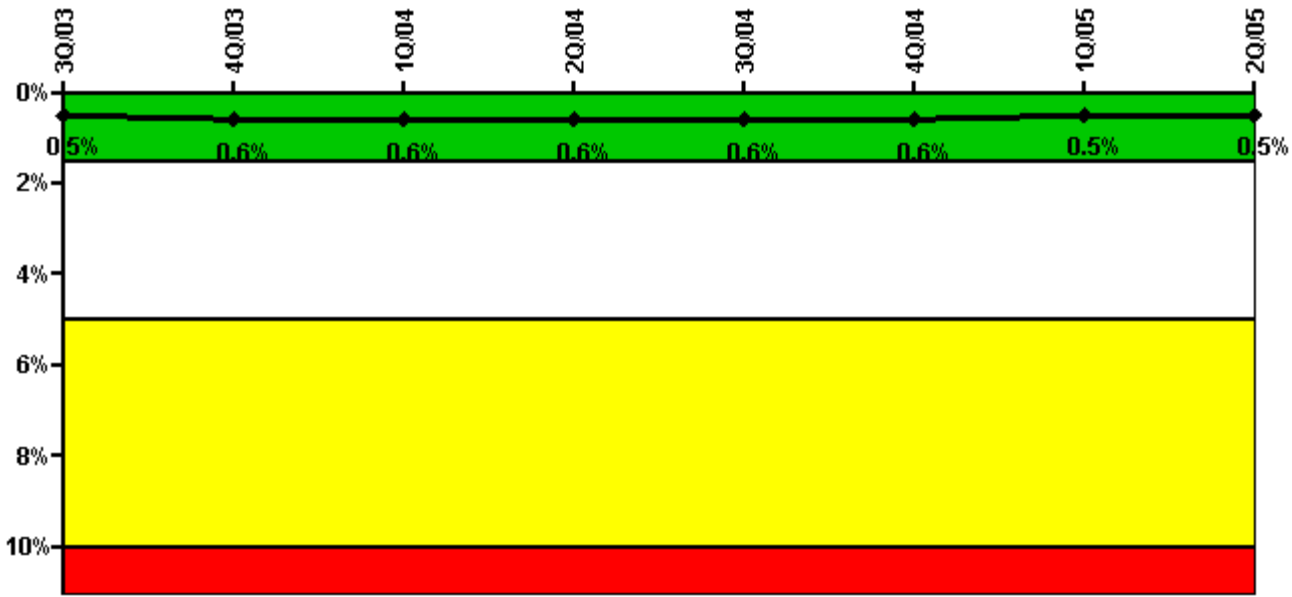
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	0	0	0	1.47	1.30	0	0	0
Unplanned unavailable hours	15.50	0	0	0	2.20	0	0	31.57
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	18.63	6.48	13.22	3.80	0	3.31	3.15	16.47
Unplanned unavailable hours	4.90	0.25	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	1.55	5.00	1.52	8.74	3.15	2.33	1.28	14.58
Unplanned unavailable hours	2.90	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.7%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%	0.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



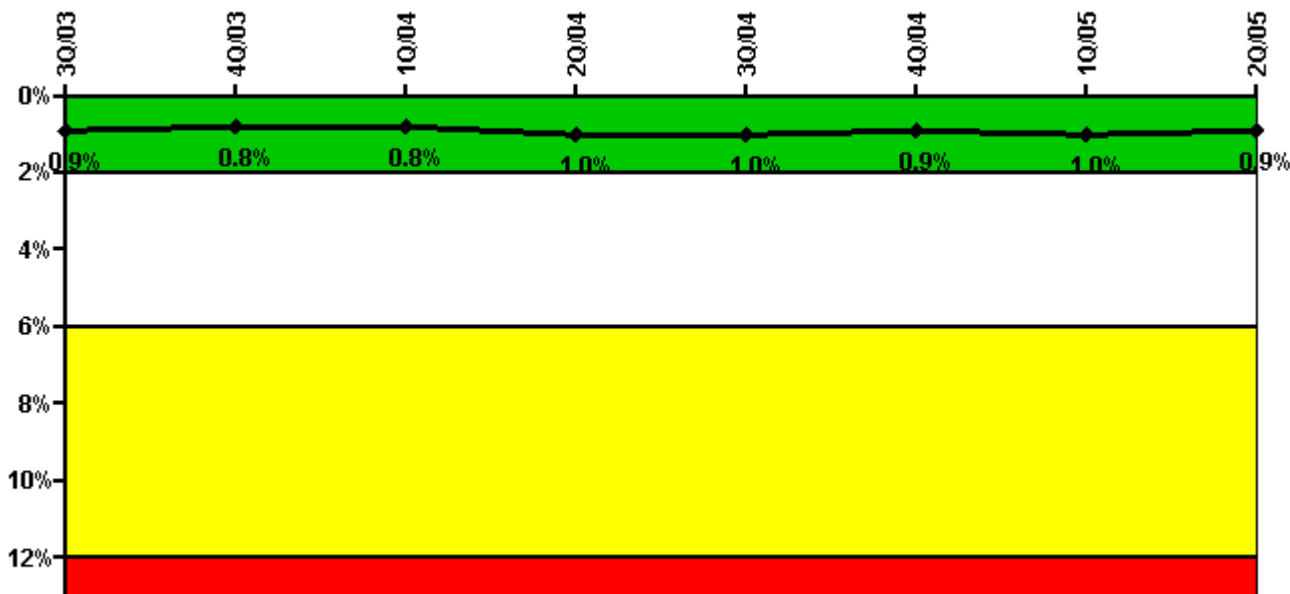
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	89.05	5.00	13.52	1.32	3.15	14.65	1.28	15.50
Unplanned unavailable hours	0	0	0	0	0	0.33	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	17.13	15.91	11.23	1.88	18.03	3.31	3.15	16.37
Unplanned unavailable hours	0	0	0	0	0	0.33	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	1.95	17.59	2.53	1.81	14.00	2.92	9.24	10.85
Unplanned unavailable hours	1.90	12.58	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00
Train 4								
Planned unavailable hours	14.33	6.48	2.37	2.26	0.08	3.38	11.90	13.55
Unplanned unavailable hours	1.80	0	0	19.88	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00
Indicator value	0.5%	0.6%	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



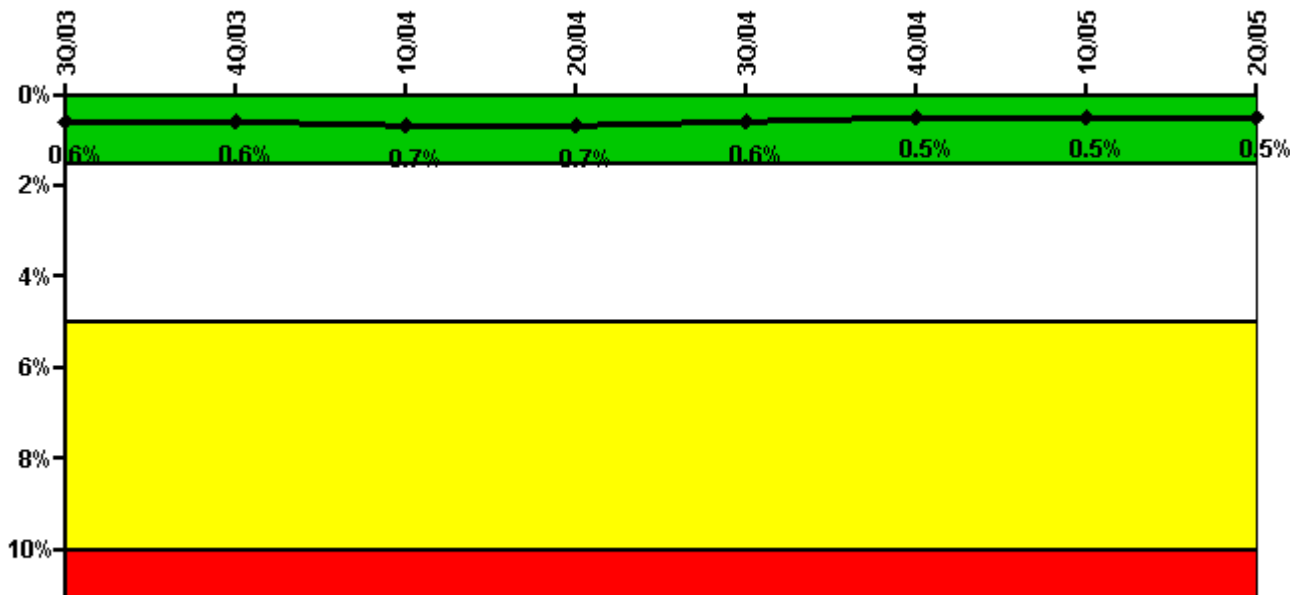
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	11.70	2.05	11.30	1.15	18.97	2.55	14.30	1.72
Unplanned unavailable hours	0	0	0	93.27	21.25	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	28.63	7.33	3.65	2.66	14.48	4.81	28.10	4.92
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	1.55	18.68	2.00	15.77	4.32	12.96	14.67	3.13
Unplanned unavailable hours	52.60	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00
Indicator value	0.9%	0.8%	0.8%	1.0%	1.0%	0.9%	1.0%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



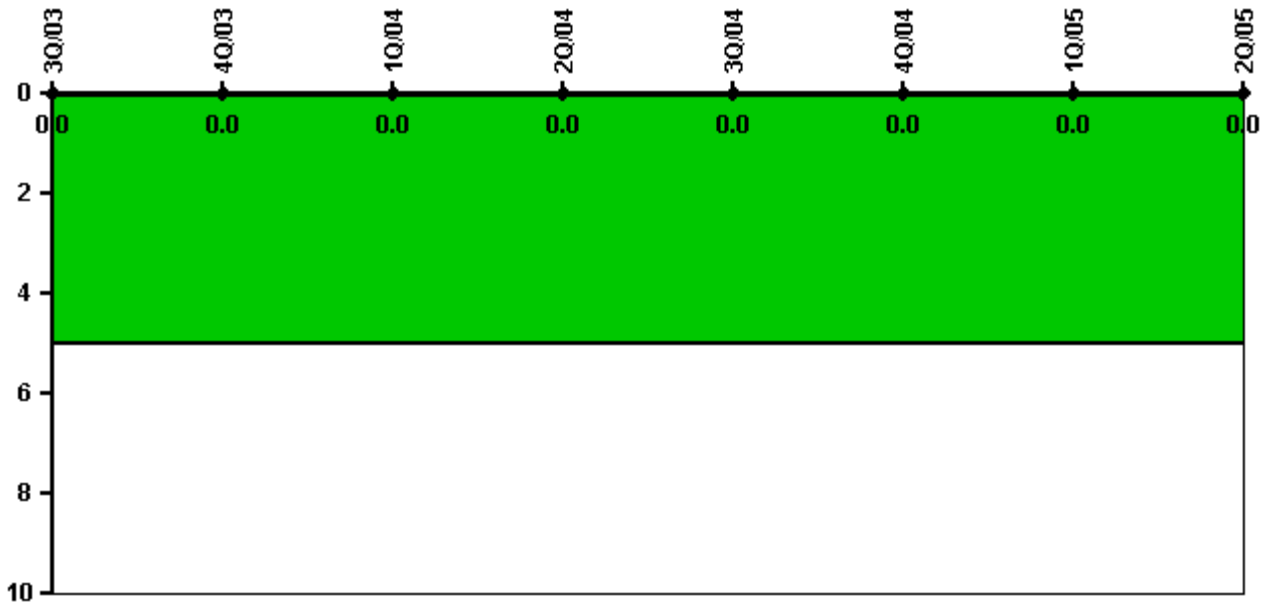
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	19.63	7.15	24.18	2.00	24.17	4.53	3.92	16.36
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	12.65	6.30	24.39	1.32	17.00	3.18	3.43	12.21
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.6%	0.6%	0.7%	0.7%	0.6%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



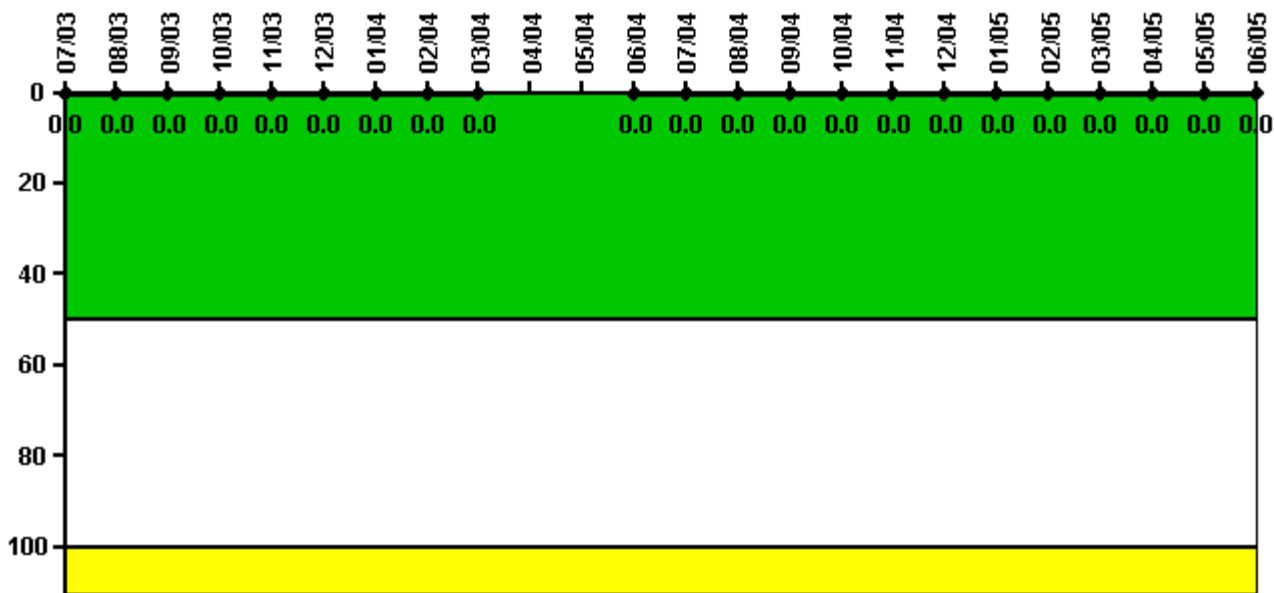
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

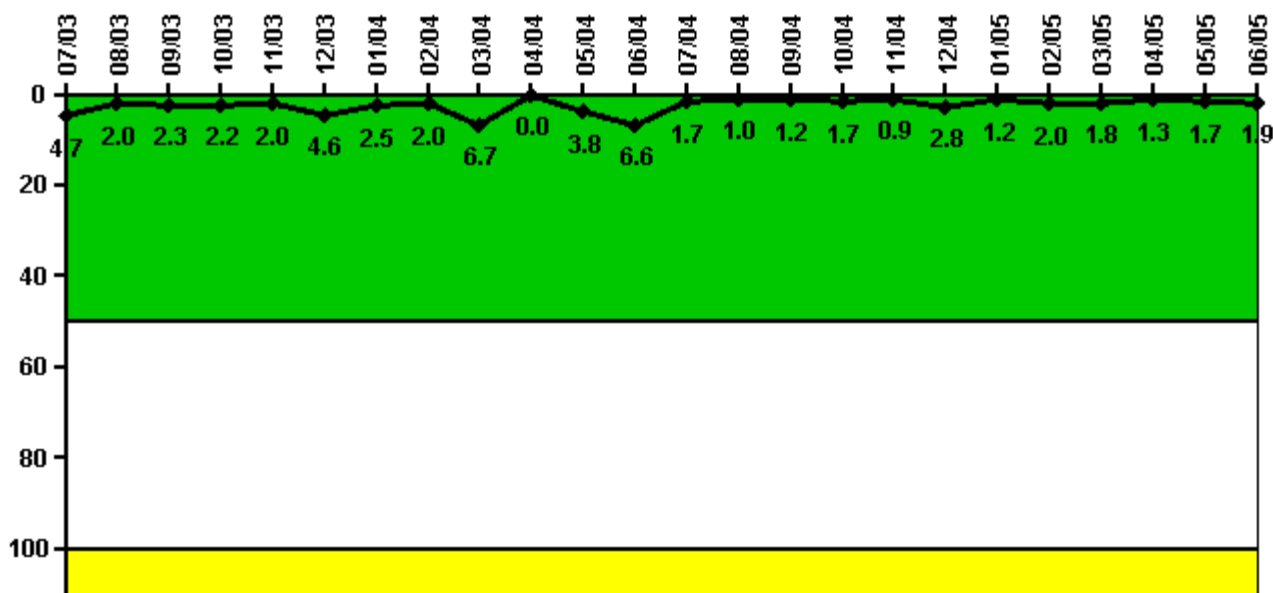
Notes

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000281	0.000286	0.000307	0.000299	0.000290	0.000305	0.000316	0.000362	0.000274	N/A	N/A	0.000178
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	N/A	N/A	0

Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.000184	0.000196	0.000208	0.000227	0.000316	0.000286	0.000236	0.000249	0.000248	0.000238	0.000256	0.000258
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

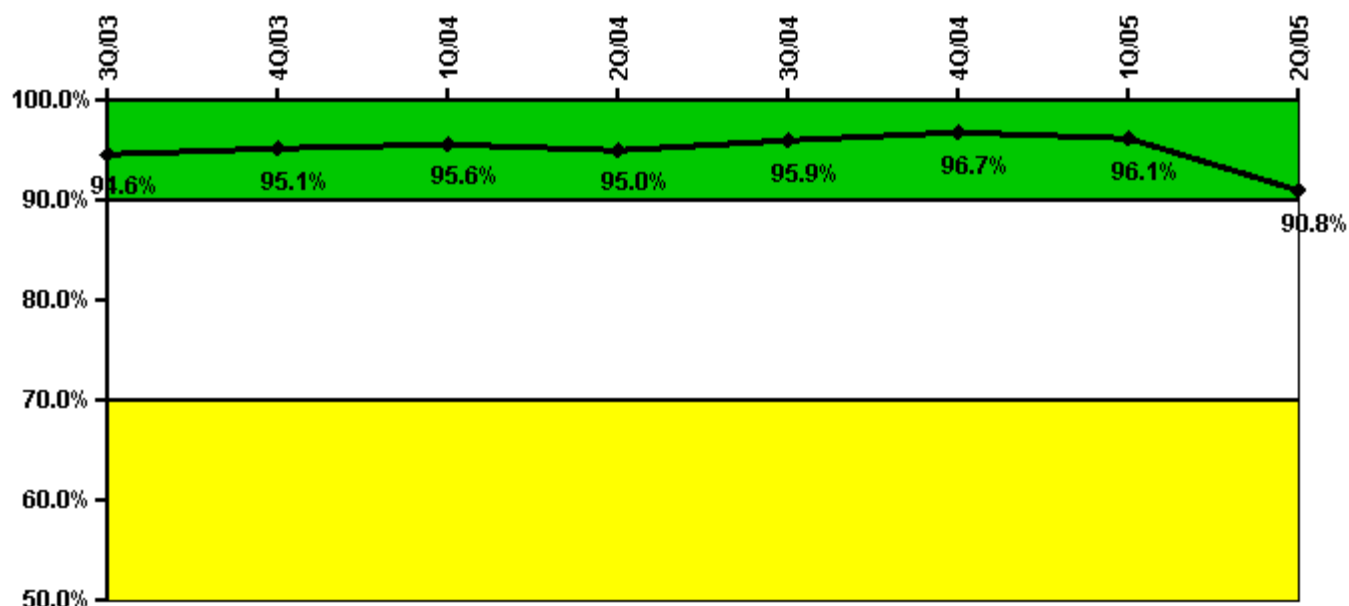
Notes

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.465	0.198	0.232	0.217	0.197	0.459	0.253	0.199	0.669	0	0.383	0.655
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	4.7	2.0	2.3	2.2	2.0	4.6	2.5	2.0	6.7	0	3.8	6.6

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.168	0.099	0.123	0.169	0.085	0.275	0.124	0.203	0.181	0.134	0.166	0.194
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	1.7	1.0	1.2	1.7	0.9	2.8	1.2	2.0	1.8	1.3	1.7	1.9

Licensee Comments: none

Drill/Exercise Performance



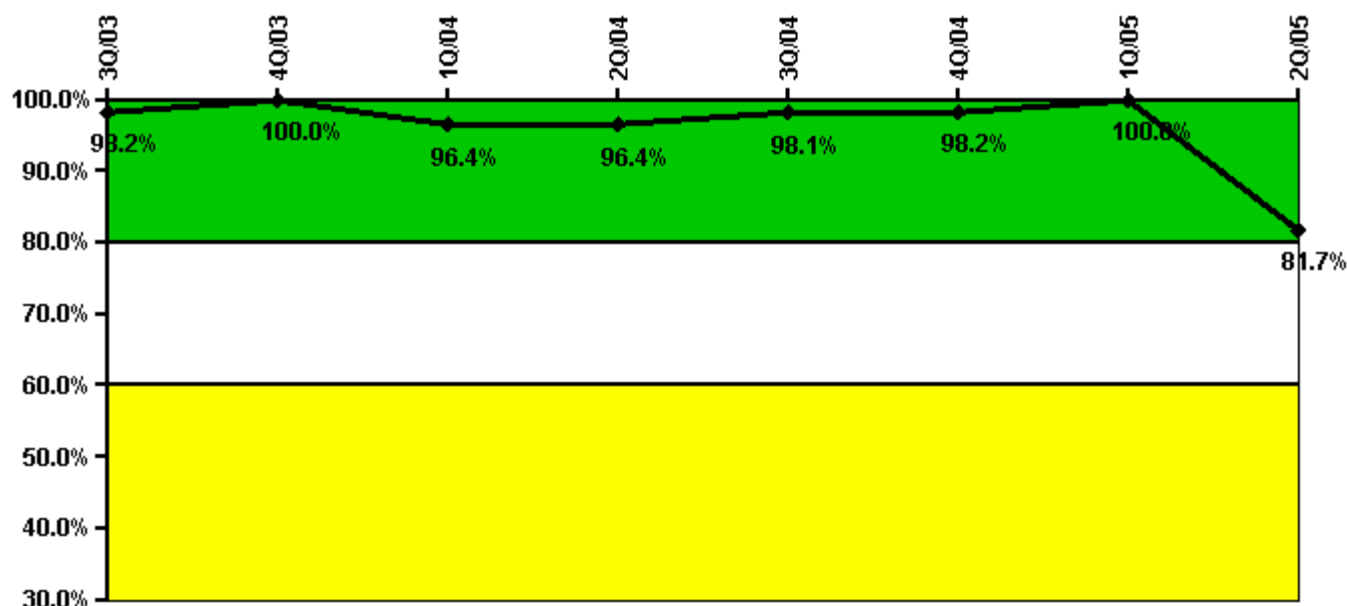
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	21.0	15.0	39.0	14.0	14.0	11.0	0	25.0
Total opportunities	23.0	15.0	41.0	15.0	14.0	12.0	0	33.0
Indicator value	94.6%	95.1%	95.6%	95.0%	95.9%	96.7%	96.1%	90.8%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

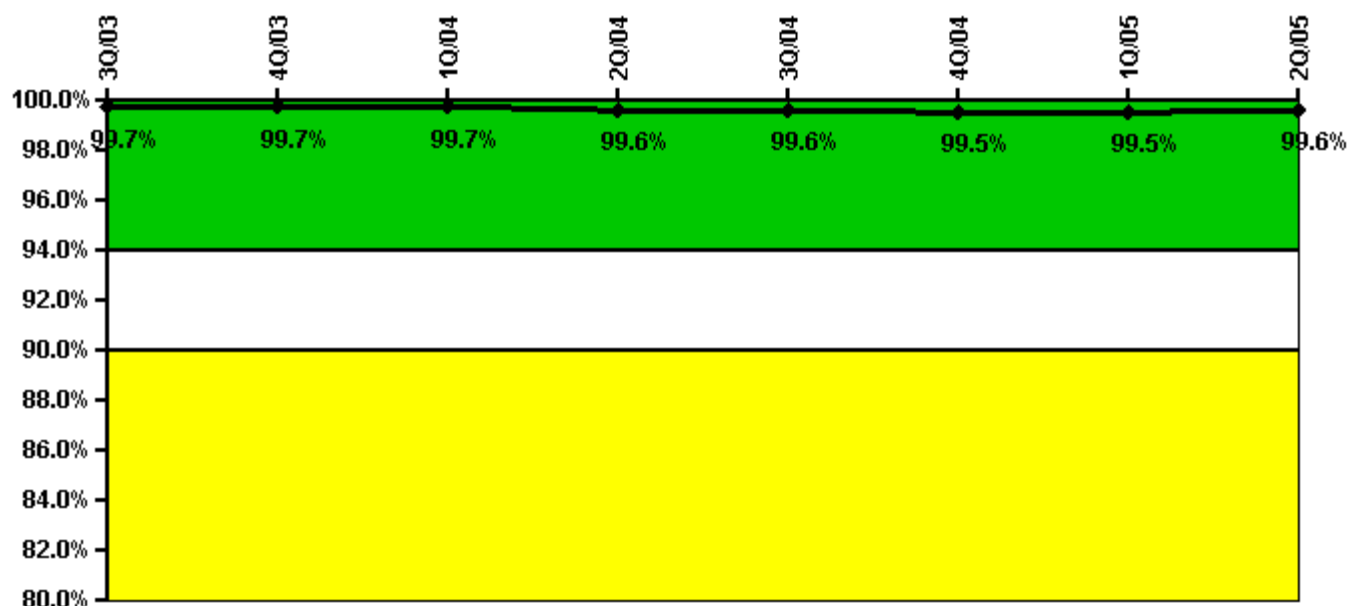
Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	54.0	54.0	53.0	53.0	53.0	55.0	52.0	58.0
Total Key personnel	55.0	54.0	55.0	55.0	54.0	56.0	52.0	71.0
Indicator value	98.2%	100.0%	96.4%	96.4%	98.1%	98.2%	100.0%	81.7%

Licensee Comments:

2Q/05: The drop in drill participation was a direct result of an increase in the total number of Key ERO Personnel. Revision 3 to NEI 99-02 resulted in some existing ERO members being required to be evaluated in the Communicator role who had not previously been evaluated in this role. Drill planning will ensure that this is a short term situation and that previous drill participation levels are restored.

Alert & Notification System



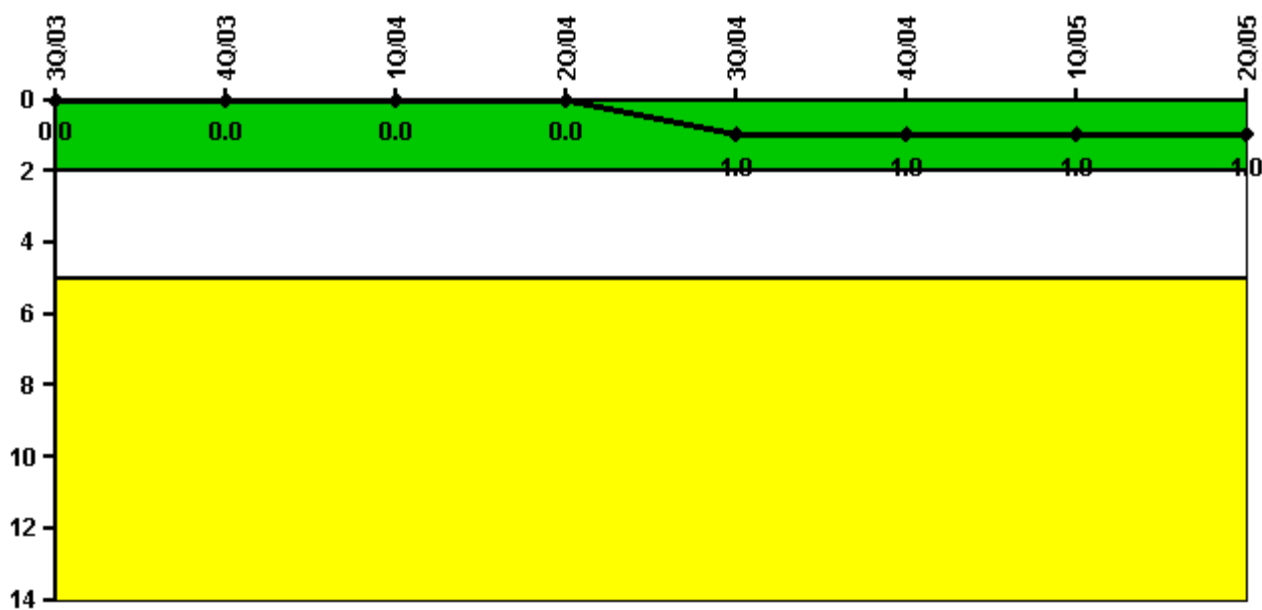
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	1174	1046	1044	1043	1303	911	1043	910
Total sirens-tests	1179	1048	1048	1048	1310	917	1048	910
Indicator value	99.7%	99.7%	99.7%	99.6%	99.6%	99.5%	99.5%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



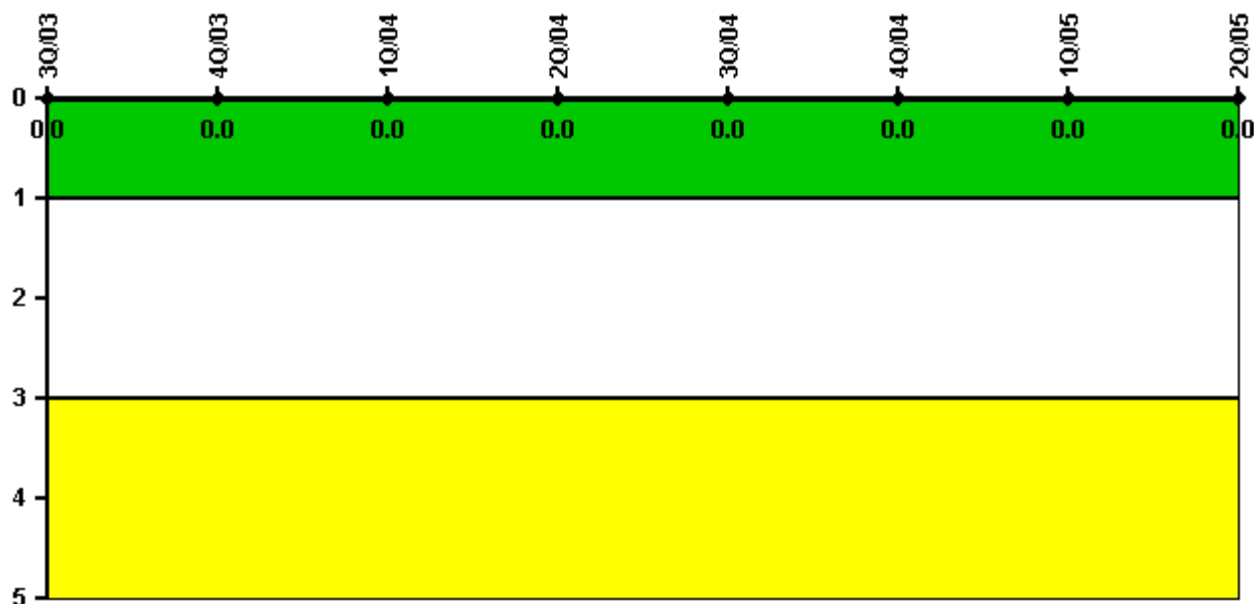
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
High radiation area occurrences	0	0	0	0	1	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	1	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

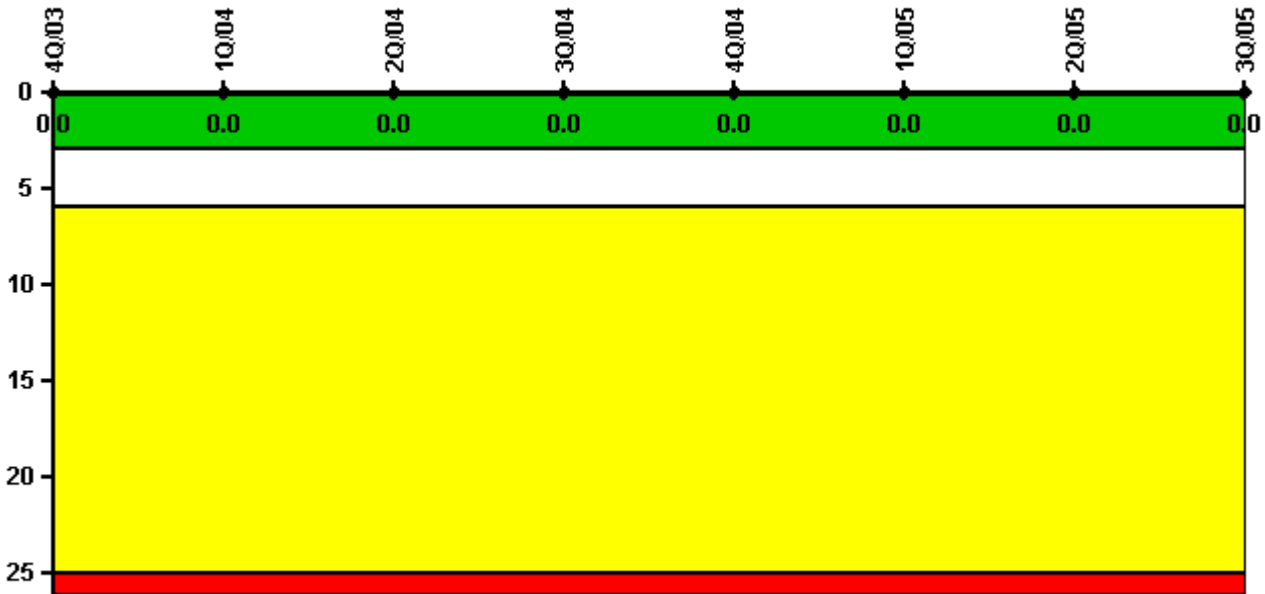
Last Modified: August 3, 2005

Diablo Canyon 1

3Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



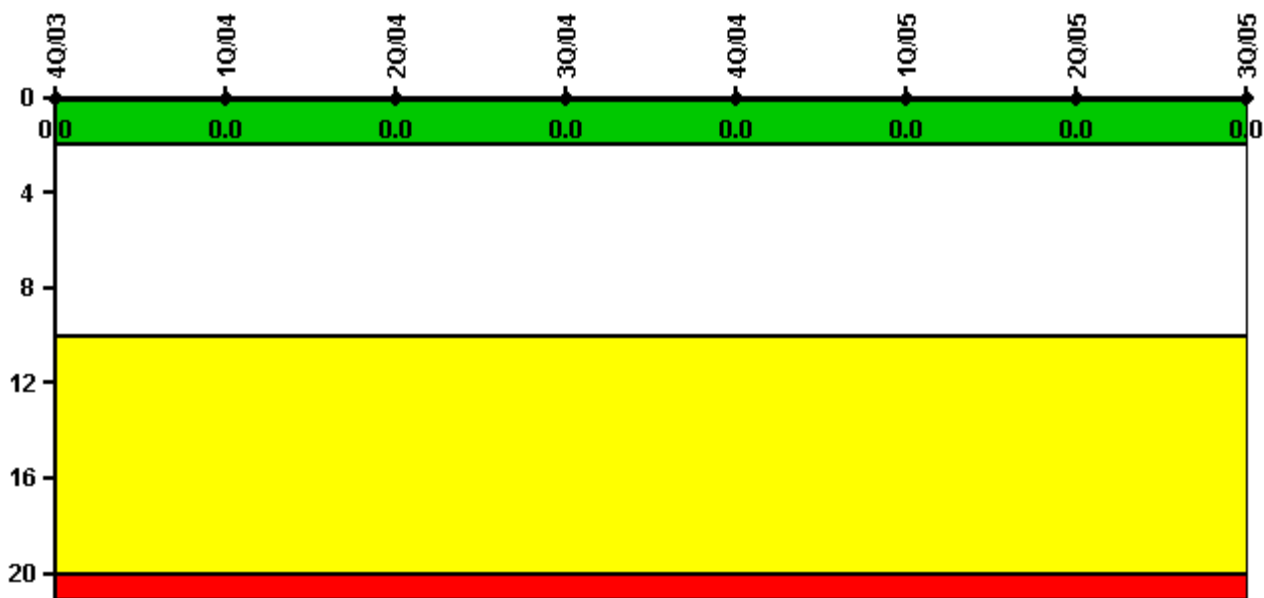
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1947.5	677.1	2167.8	2209.0	2160.0	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



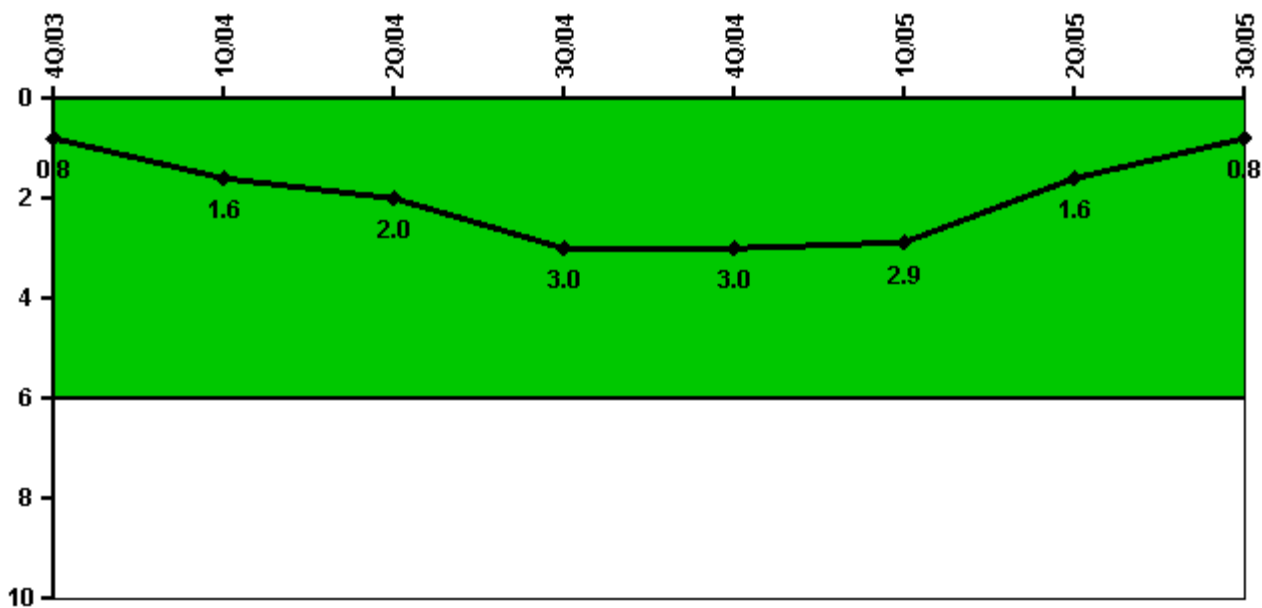
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



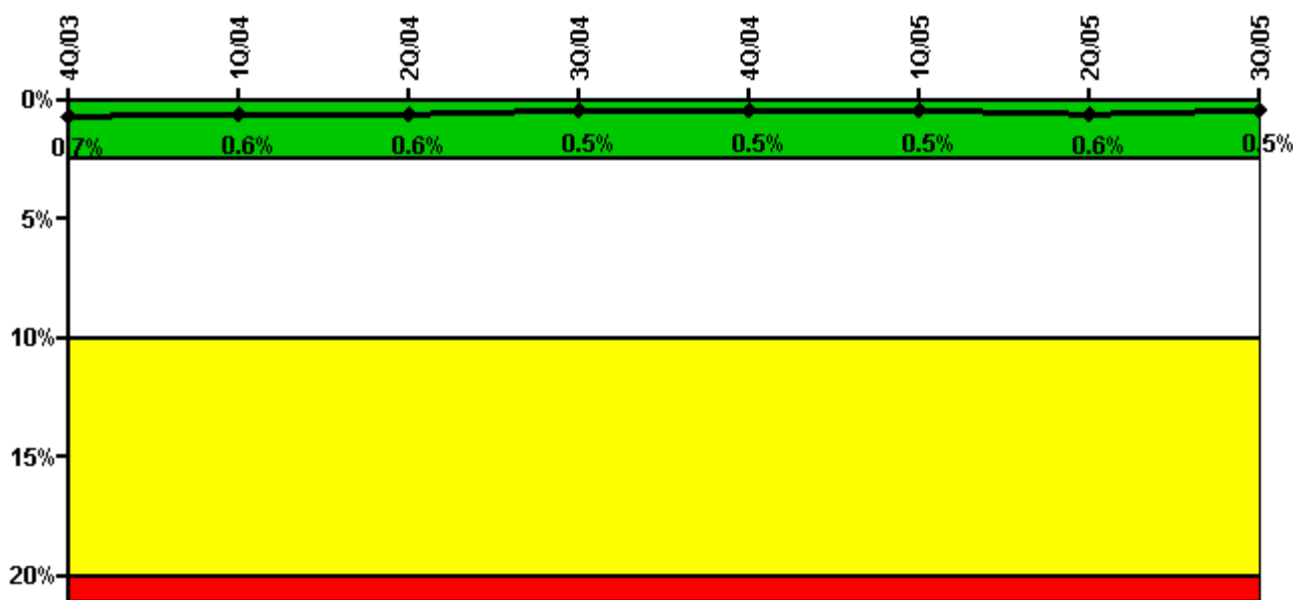
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	1.0	1.0	1.0	0	1.0	0	0
Critical hours	2209.0	1947.5	677.1	2167.8	2209.0	2160.0	2183.0	2208.0
Indicator value	0.8	1.6	2.0	3.0	3.0	2.9	1.6	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



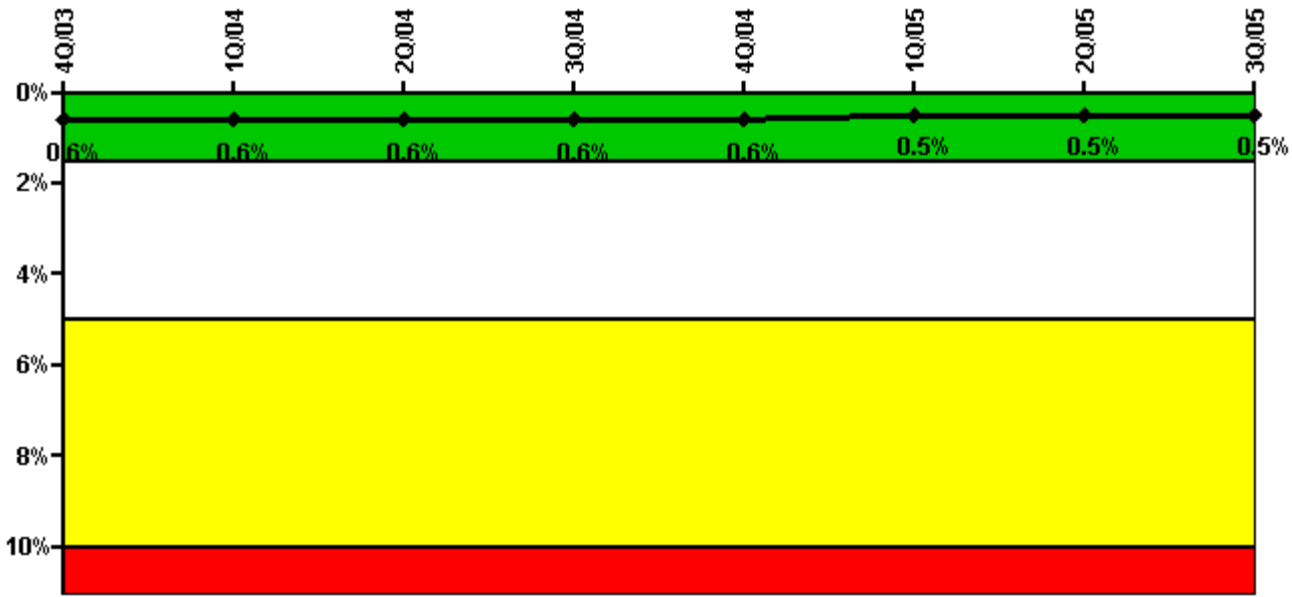
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	0	1.47	1.30	0	0	0	2.10
Unplanned unavailable hours	0	0	0	2.20	0	0	31.57	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	6.48	13.22	3.80	0	3.31	3.15	16.47	3.24
Unplanned unavailable hours	0.25	0	0	0	0	0	0	2.65
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	5.00	1.52	8.74	3.15	2.33	1.28	14.58	4.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%	0.6%	0.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



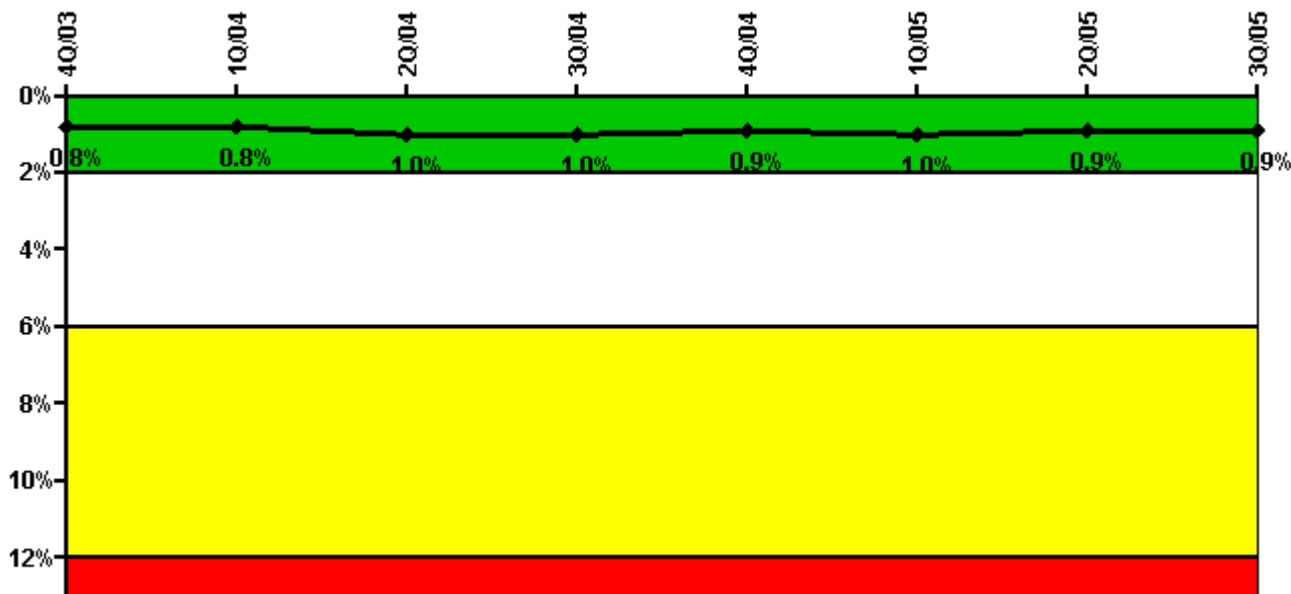
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	5.00	13.52	1.32	3.15	14.65	1.28	15.50	2.65
Unplanned unavailable hours	0	0	0	0	0.33	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	15.91	11.23	1.88	18.03	3.31	3.15	16.37	1.82
Unplanned unavailable hours	0	0	0	0	0.33	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	17.59	2.53	1.81	14.00	2.92	9.24	10.85	20.59
Unplanned unavailable hours	12.58	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	6.48	2.37	2.26	0.08	3.38	11.90	13.55	2.15
Unplanned unavailable hours	0	0	19.88	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00
Indicator value	0.6%	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



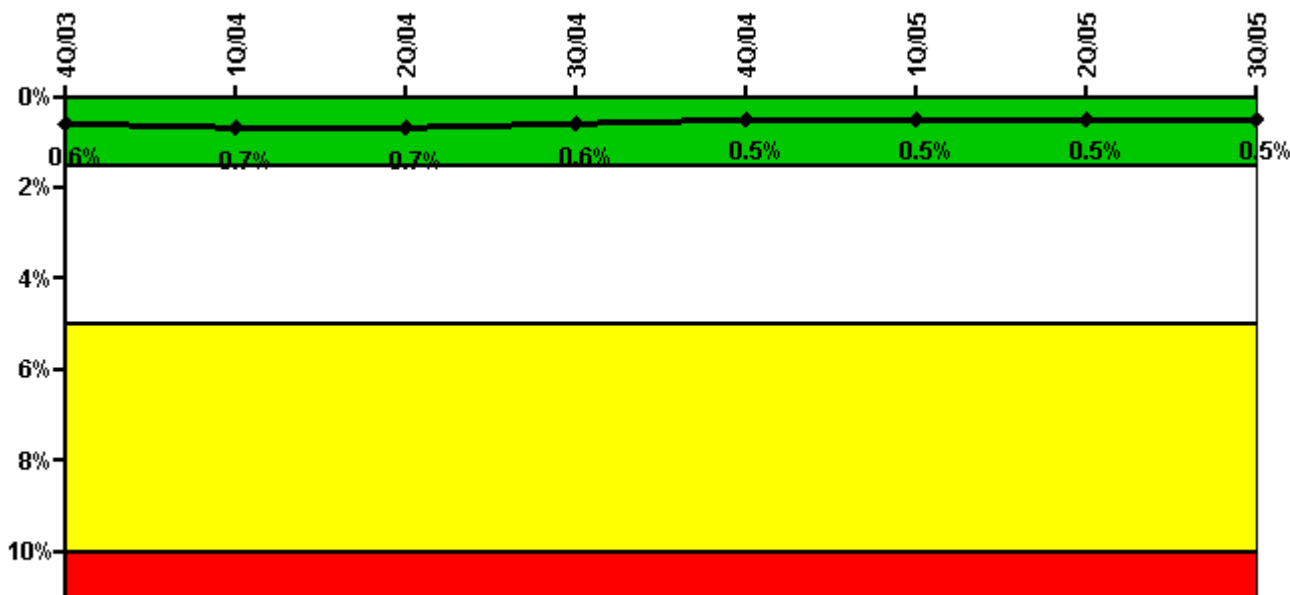
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	2.05	11.30	1.15	18.97	2.55	14.30	1.72	0
Unplanned unavailable hours	0	0	93.27	21.25	0	0	0	36.77
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.33	3.65	2.66	14.48	4.81	28.10	4.92	15.40
Unplanned unavailable hours	0	0	0	0	0	0	0	21.43
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	18.68	2.00	15.77	4.32	12.96	14.67	3.13	3.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00
Indicator value	0.8%	0.8%	1.0%	1.0%	0.9%	1.0%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



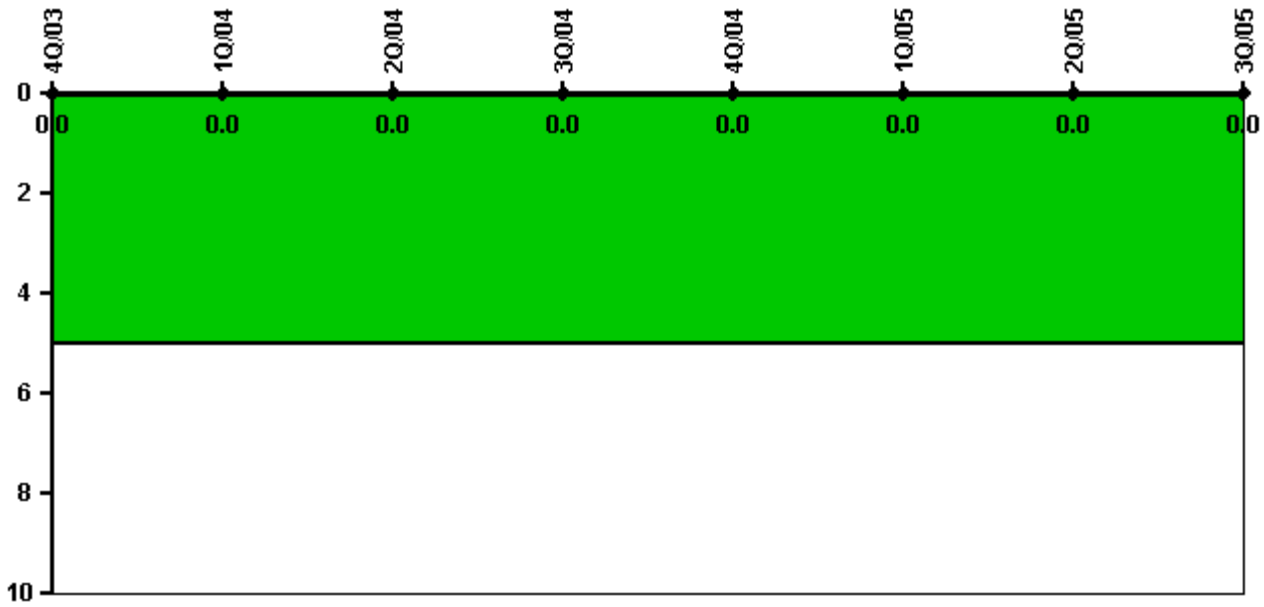
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	7.15	24.18	2.00	24.17	4.53	3.92	16.36	2.53
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	6.30	24.39	1.32	17.00	3.18	3.43	12.21	3.17
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.6%	0.7%	0.7%	0.6%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



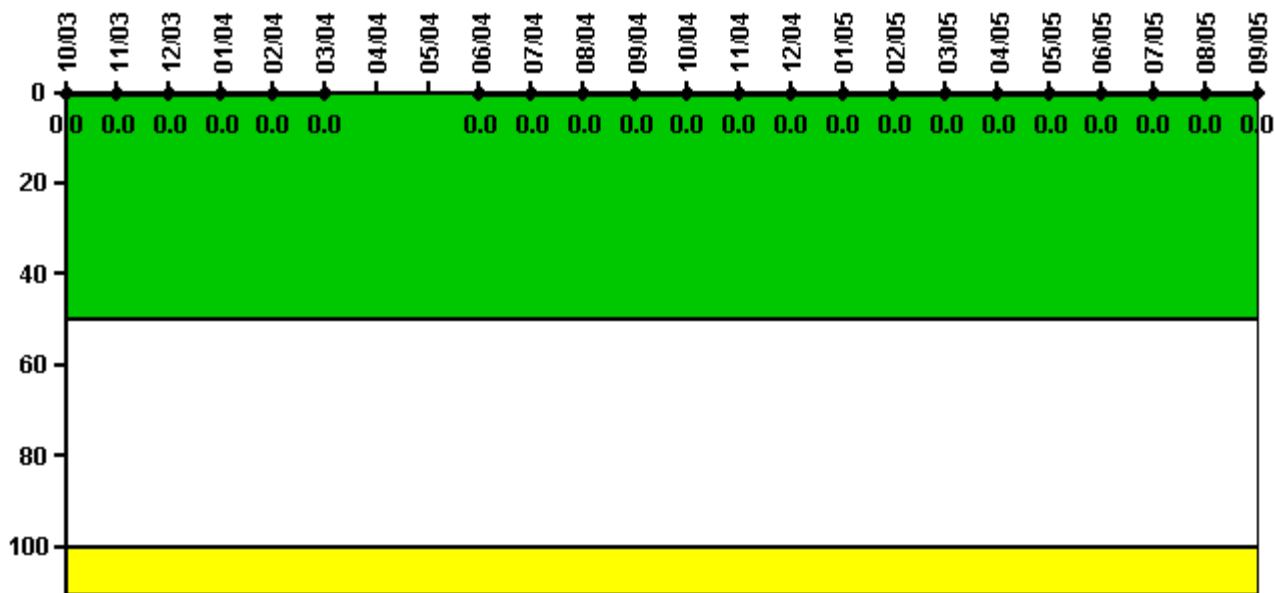
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

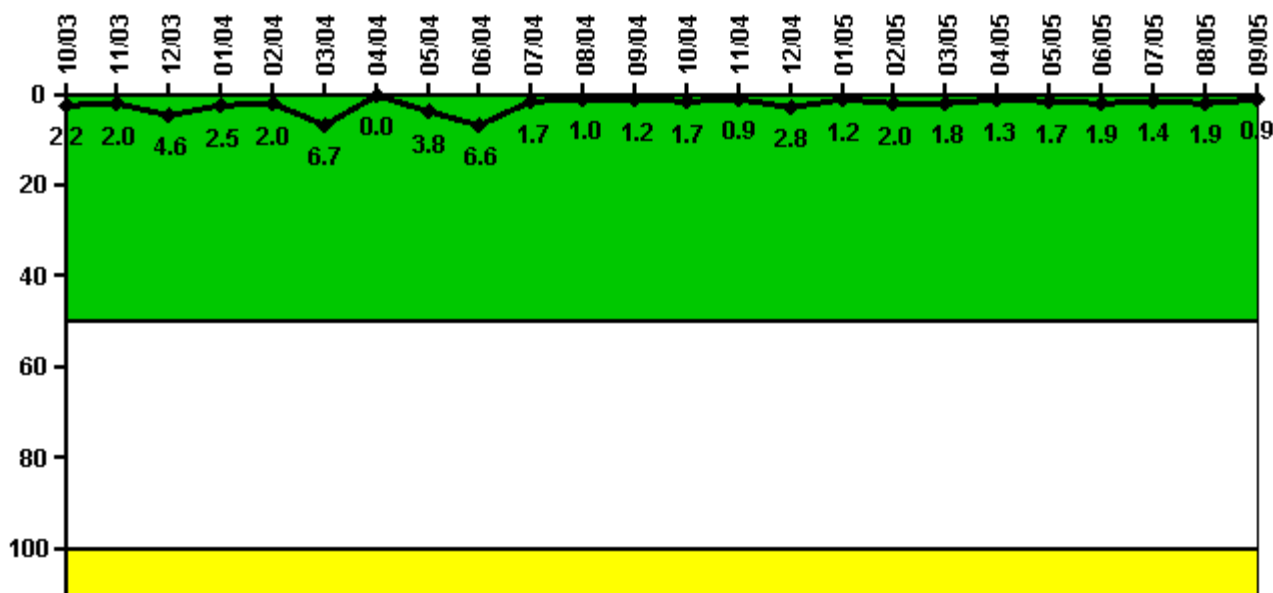
Notes

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000299	0.000290	0.000305	0.000316	0.000362	0.000274	N/A	N/A	0.000178	0.000184	0.000196	0.000208
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	N/A	N/A	0	0	0	0

Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.000227	0.000316	0.000286	0.000236	0.000249	0.000248	0.000238	0.000256	0.000258	0.000268	0.000271	0.000273
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



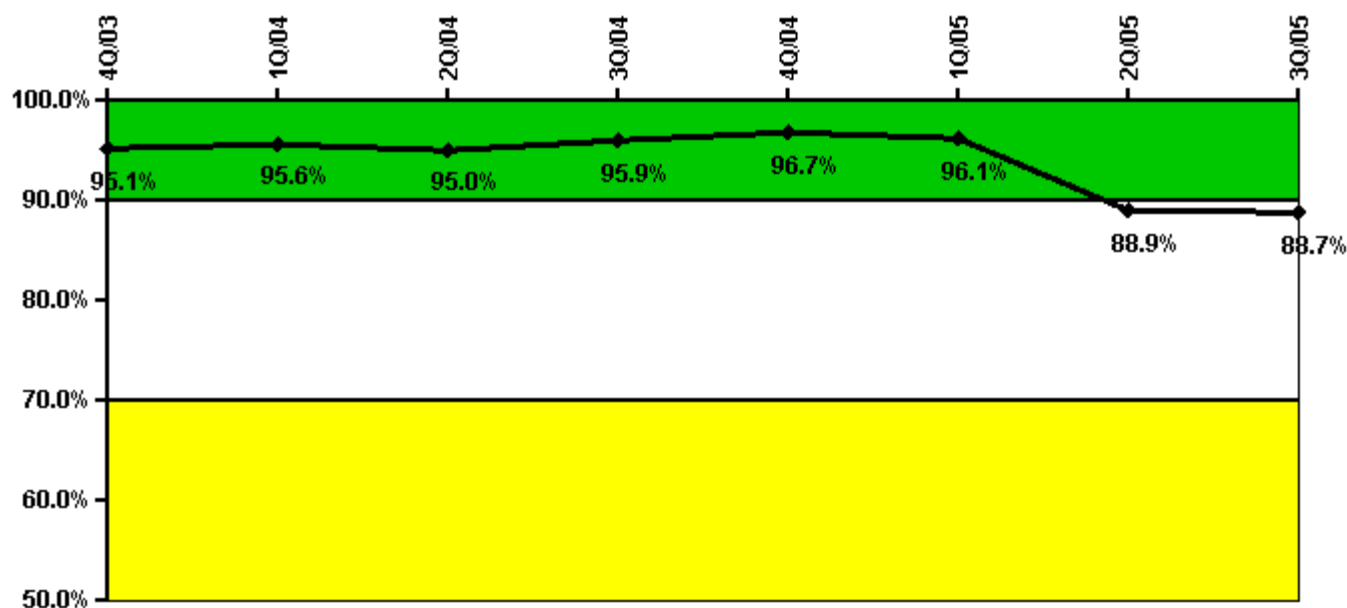
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.217	0.197	0.459	0.253	0.199	0.669	0	0.383	0.655	0.168	0.099	0.123
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	2.2	2.0	4.6	2.5	2.0	6.7	0	3.8	6.6	1.7	1.0	1.2
Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.169	0.085	0.275	0.124	0.203	0.181	0.134	0.166	0.194	0.139	0.185	0.090
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	1.7	0.9	2.8	1.2	2.0	1.8	1.3	1.7	1.9	1.4	1.9	0.9

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	15.0	39.0	14.0	14.0	11.0	0	22.0	144.0
Total opportunities	15.0	41.0	15.0	14.0	12.0	0	33.0	162.0
Indicator value	95.1%	95.6%	95.0%	95.9%	96.7%	96.1%	88.9%	88.7%

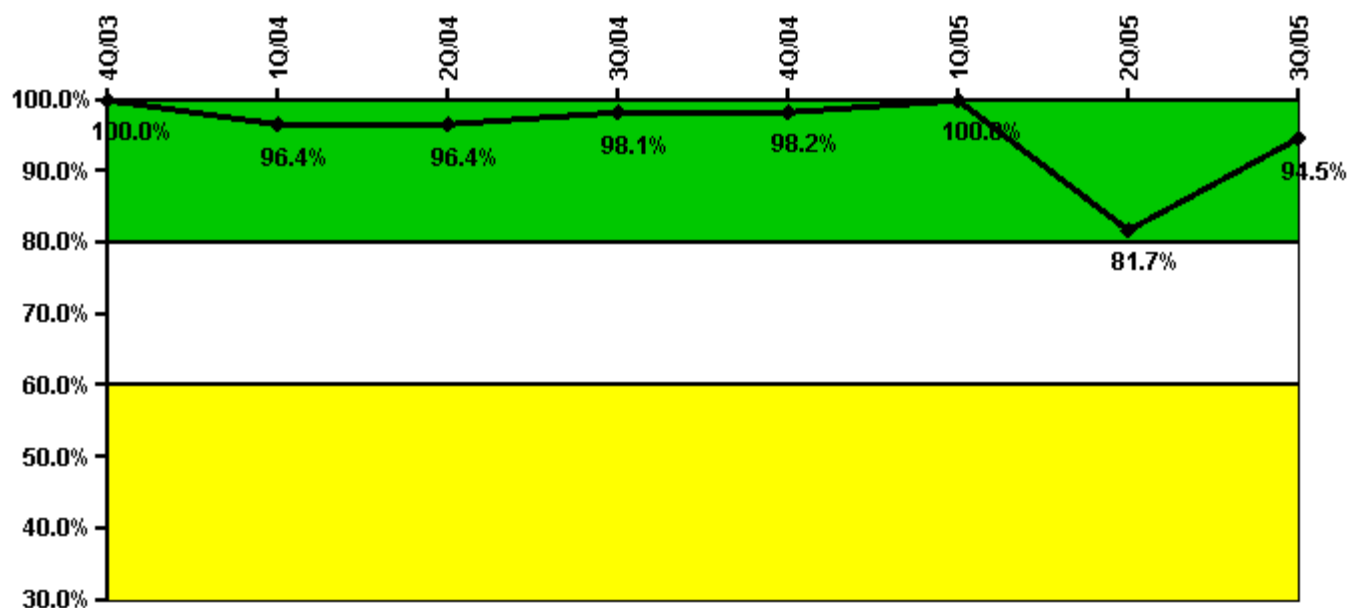
Licensee Comments:

3Q/05: Drill / Exercise Performance (DEP) did not improve during 3Q2005 and the indicator remains White. The 3Q2005 DEP deficiencies were primarily associated with inaccurately completing the required notification forms. Additional resources have been applied to the assessment of causes and the identification of corrective actions to improve DEP.

2Q/05: As a result of an NRC inspection and subsequent review of the 2Q2005 Drill/Exercise performance data, three of the 33 opportunities were found to have been incorrectly counted as successful. These three opportunities are now being counted as failures because the "emergency" box was checked instead of the "drill" box, on the otherwise correct initial notification form. The change results in the PI crossing the Green/White threshold.

2Q/05: As a result of an NRC inspection and subsequent review of the 2Q2005 Drill/Exercise performance data, three of the 33 opportunities were found to have been incorrectly counted as successful. These three opportunities are now being counted as failures because the "emergency" box was checked instead of the "drill" box, on the otherwise correct initial notification form.

ERO Drill Participation



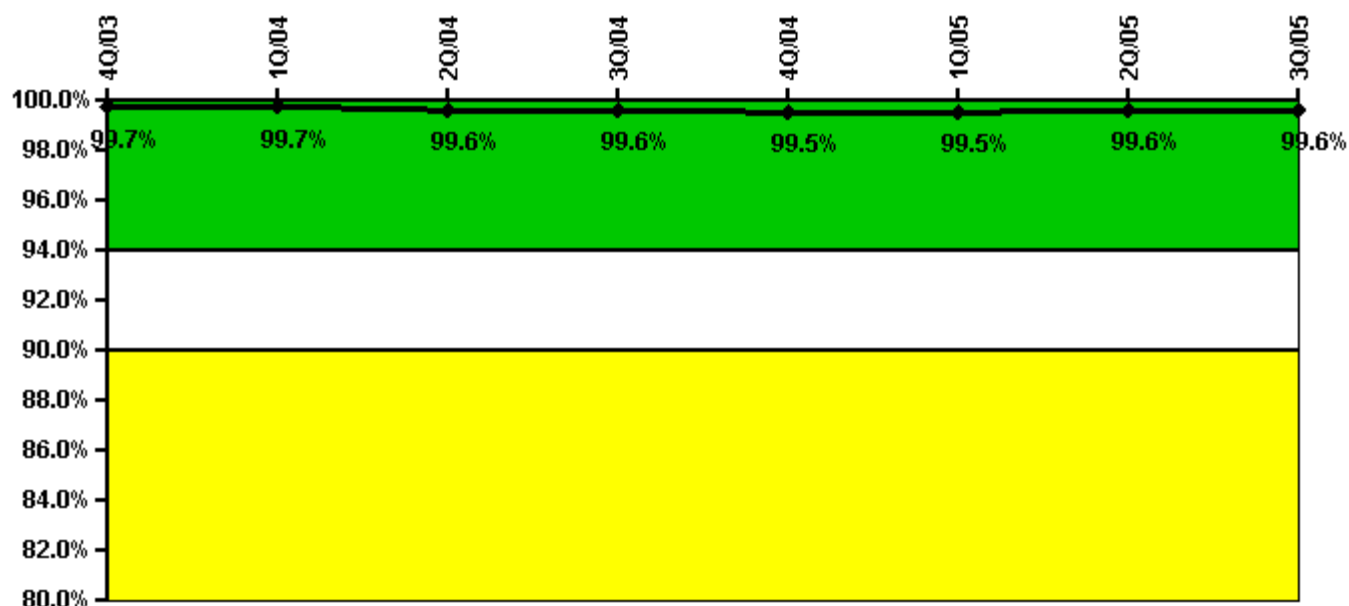
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	54.0	53.0	53.0	53.0	55.0	52.0	58.0	69.0
Total Key personnel	54.0	55.0	55.0	54.0	56.0	52.0	71.0	73.0
Indicator value	100.0%	96.4%	96.4%	98.1%	98.2%	100.0%	81.7%	94.5%

Licensee Comments: none

Alert & Notification System



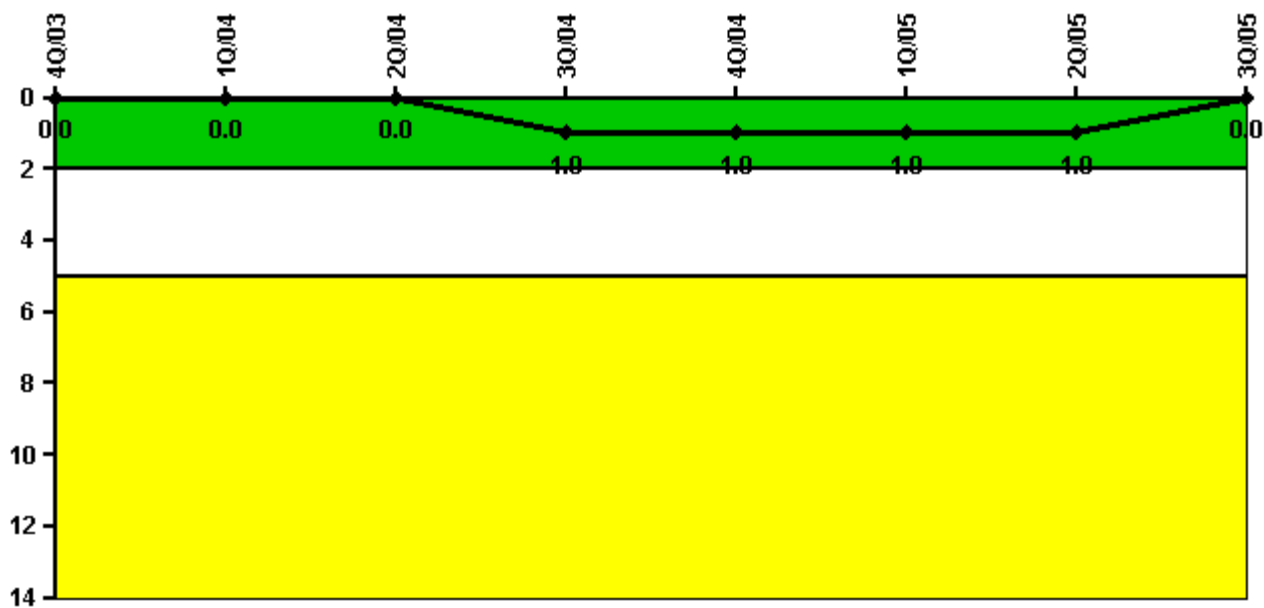
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	1046	1044	1043	1303	911	1043	910	1302
Total sirens-tests	1048	1048	1048	1310	917	1048	910	1306
Indicator value	99.7%	99.7%	99.6%	99.6%	99.5%	99.5%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



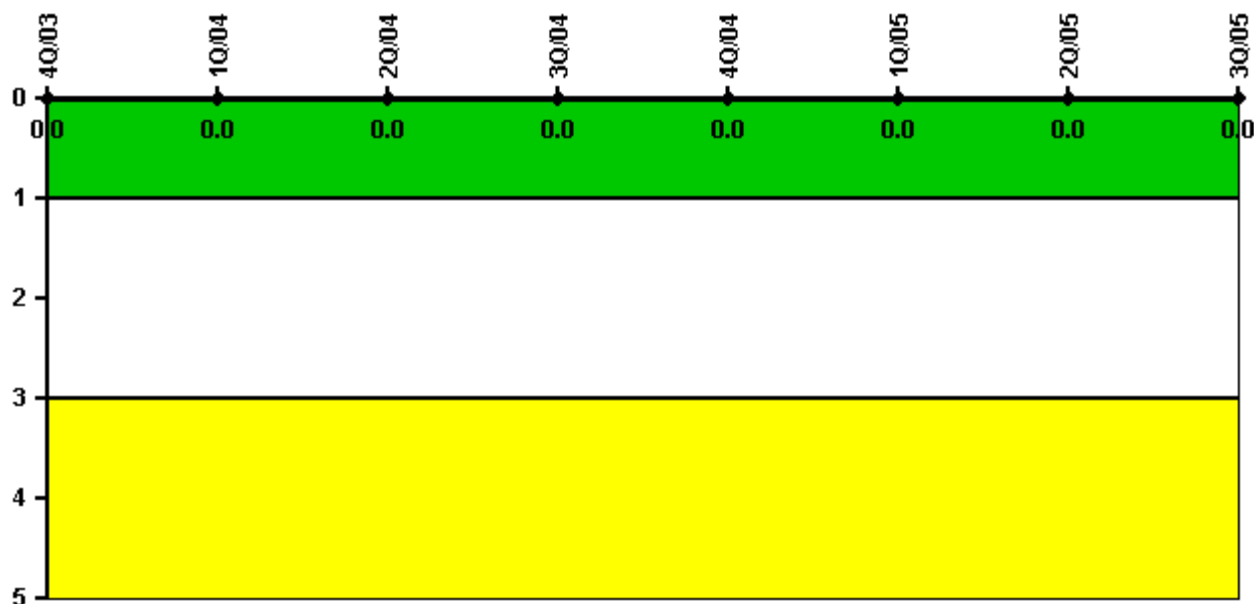
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
High radiation area occurrences	0	0	0	1	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	1	1	1	1	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

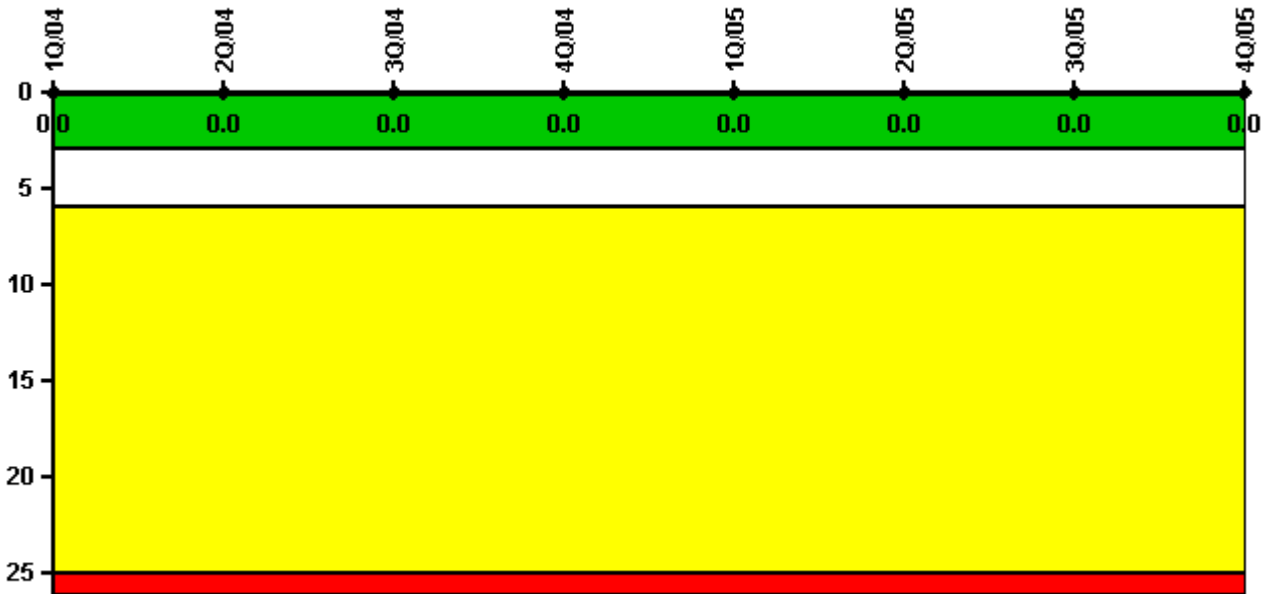
Last Modified: November 3, 2005

Diablo Canyon 1

4Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



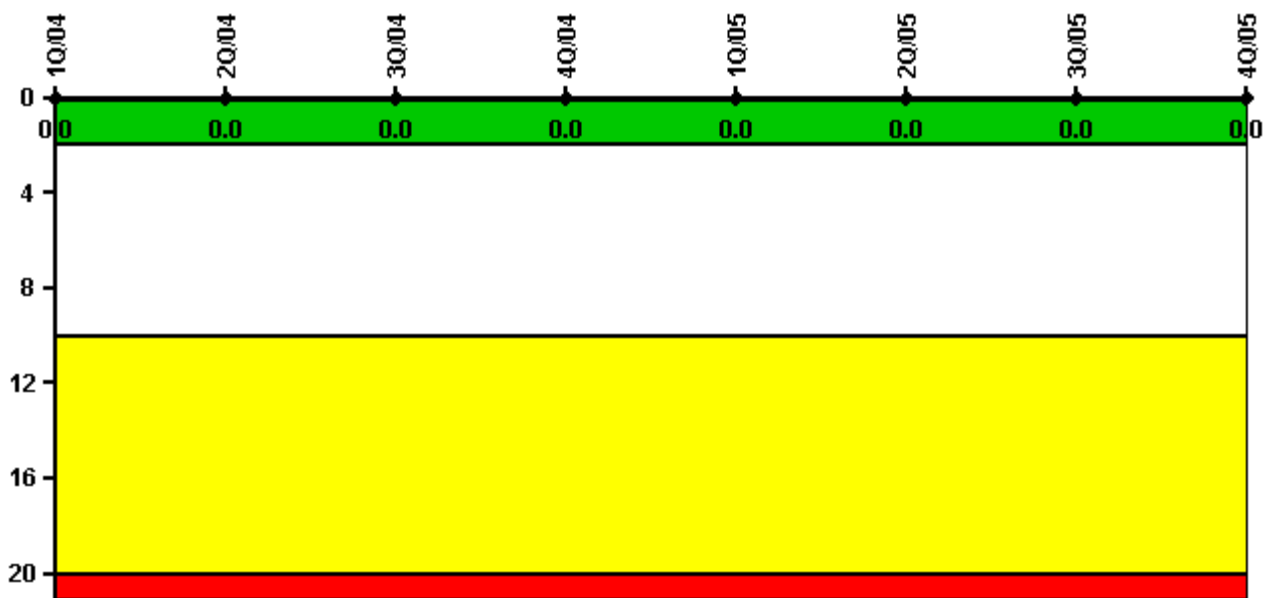
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1947.5	677.1	2167.8	2209.0	2160.0	2183.0	2208.0	1303.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



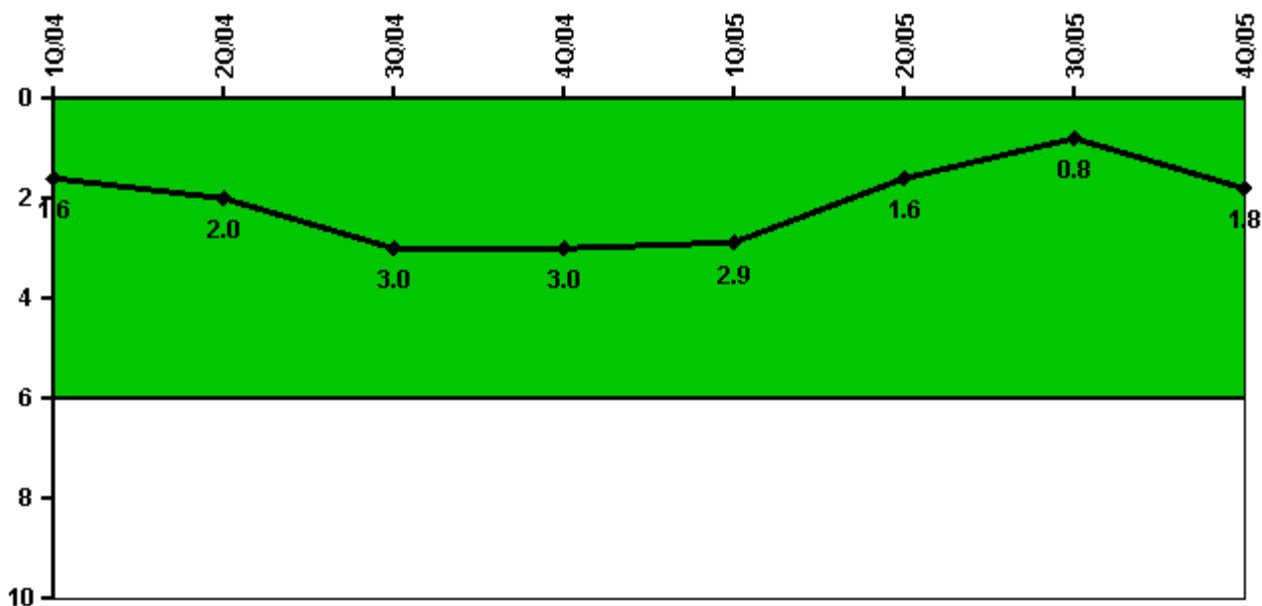
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	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

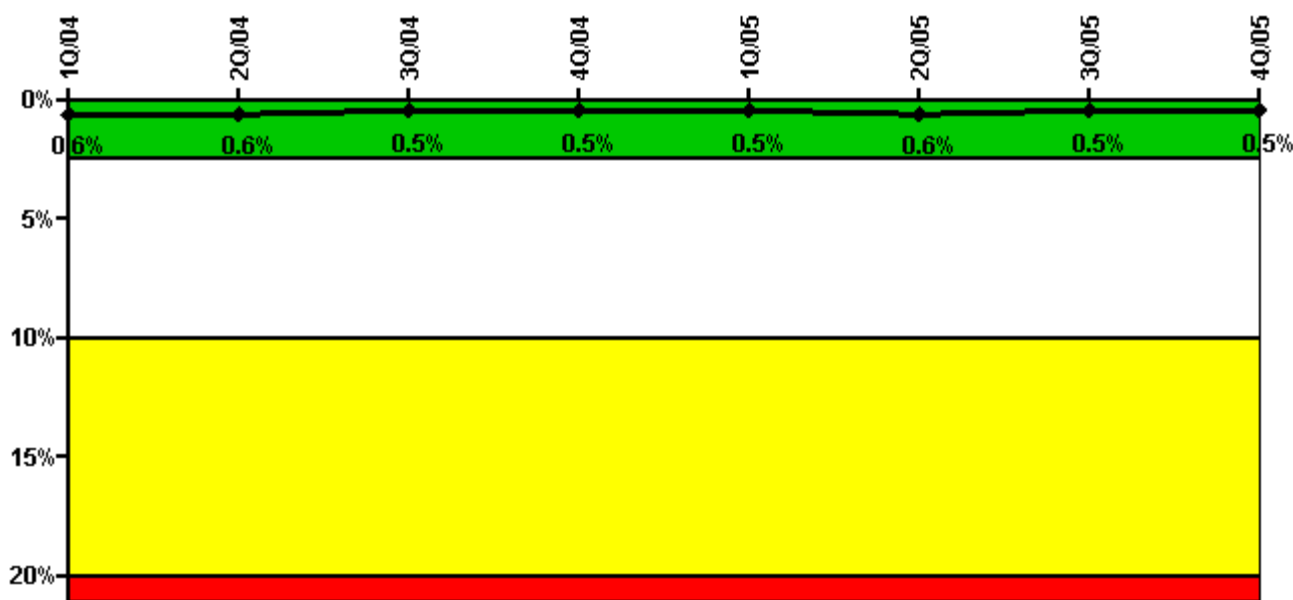
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	1.0	1.0	1.0	0	1.0	0	0	1.0
Critical hours	1947.5	677.1	2167.8	2209.0	2160.0	2183.0	2208.0	1303.5
Indicator value	1.6	2.0	3.0	3.0	2.9	1.6	0.8	1.8

Licensee Comments:

4Q/05: Refueling outage 1R13 was started 18 hours early due to a forecast of high ocean swells, and adverse radiological consequences with maintaining the reactor at reduced power level at end of core life. This is conservatively being counted as an unplanned power change.

Safety System Unavailability, Emergency AC Power, >2EDG



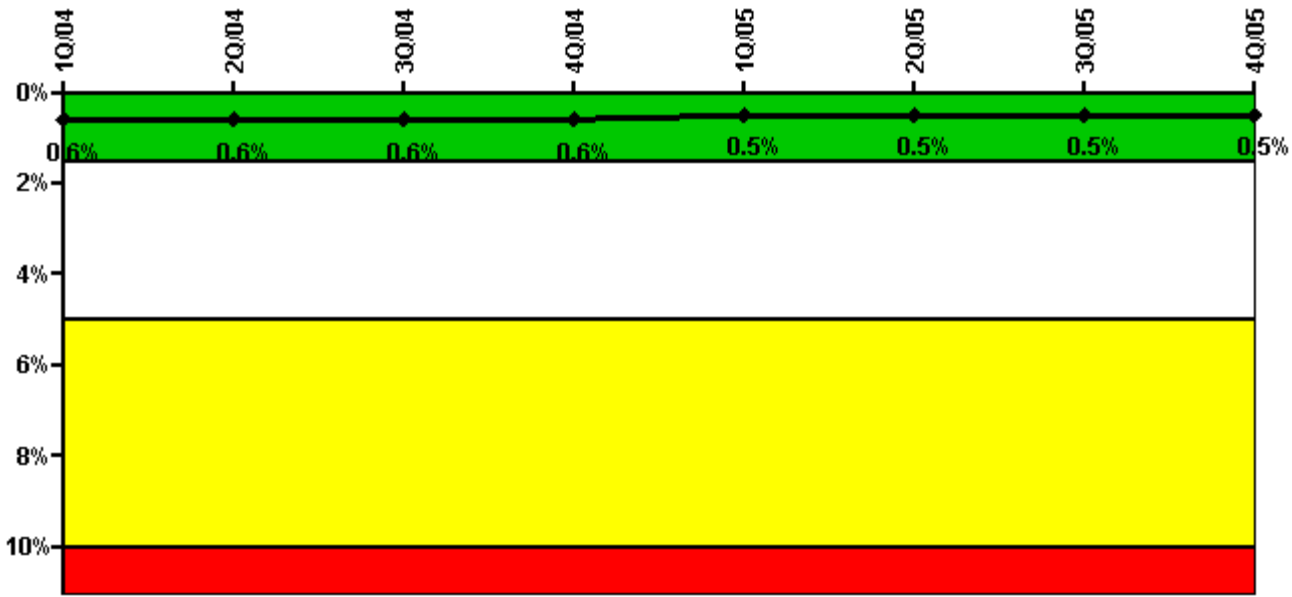
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0	1.47	1.30	0	0	0	2.10	5.05
Unplanned unavailable hours	0	0	2.20	0	0	31.57	0	0.43
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	13.22	3.80	0	3.31	3.15	16.47	3.24	2.50
Unplanned unavailable hours	0	0	0	0	0	0	2.65	22.83
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	1.52	8.74	3.15	2.33	1.28	14.58	4.40	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0.43
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.6%	0.6%	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



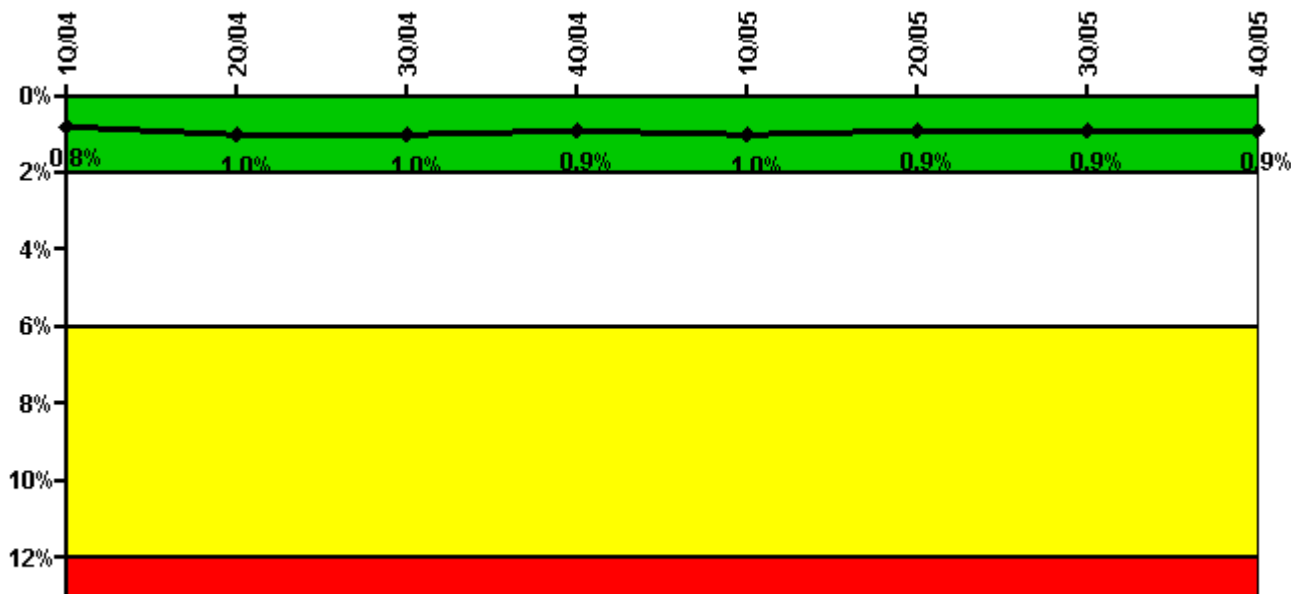
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	13.52	1.32	3.15	14.65	1.28	15.50	2.65	0
Unplanned unavailable hours	0	0	0	0.33	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
Train 2								
Planned unavailable hours	11.23	1.88	18.03	3.31	3.15	16.37	1.82	2.50
Unplanned unavailable hours	0	0	0	0.33	0	0	0	2.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
Train 3								
Planned unavailable hours	2.53	1.81	14.00	2.92	9.24	10.85	20.59	1.24
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
Train 4								
Planned unavailable hours	2.37	2.26	0.08	3.38	11.90	13.55	2.15	2.57
Unplanned unavailable hours	0	19.88	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
Indicator value	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



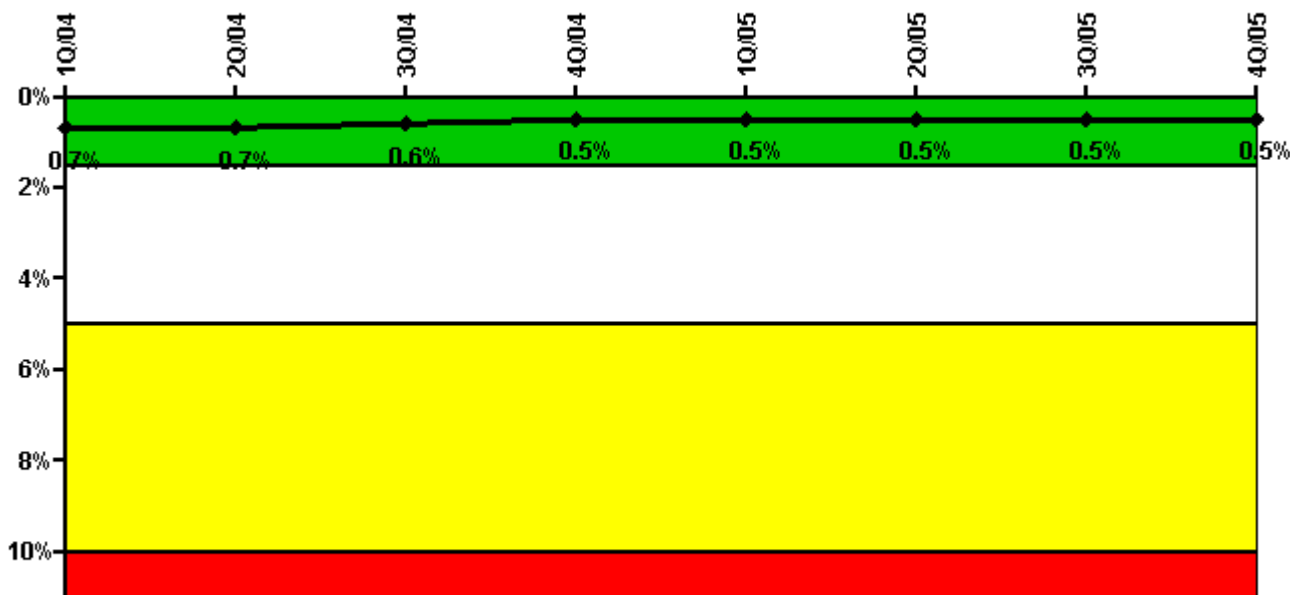
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	11.30	1.15	18.97	2.55	14.30	1.72	0	15.29
Unplanned unavailable hours	0	93.27	21.25	0	0	0	36.77	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
Train 2								
Planned unavailable hours	3.65	2.66	14.48	4.81	28.10	4.92	15.40	4.55
Unplanned unavailable hours	0	0	0	0	0	0	21.43	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
Train 3								
Planned unavailable hours	2.00	15.77	4.32	12.96	14.67	3.13	3.60	6.05
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1947.50	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50
Indicator value	0.8%	1.0%	1.0%	0.9%	1.0%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



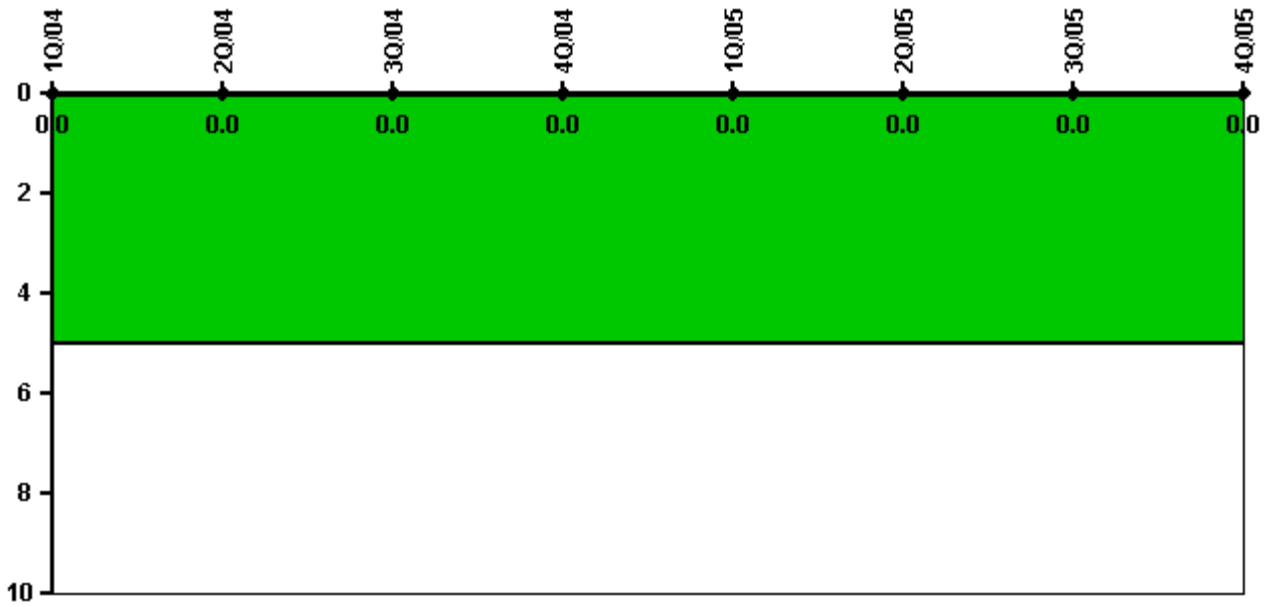
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	24.18	2.00	24.17	4.53	3.92	16.36	2.53	12.33
Unplanned unavailable hours	0	0	0	0	0	0	0	2.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	24.39	1.32	17.00	3.18	3.43	12.21	3.17	0.15
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.7%	0.7%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



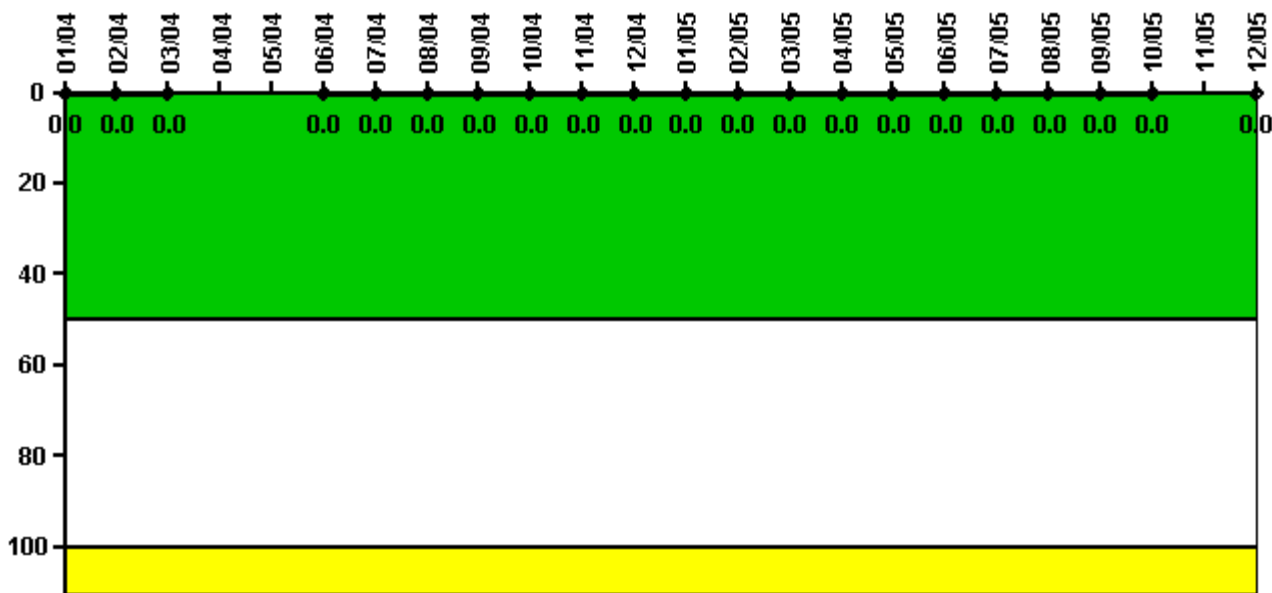
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

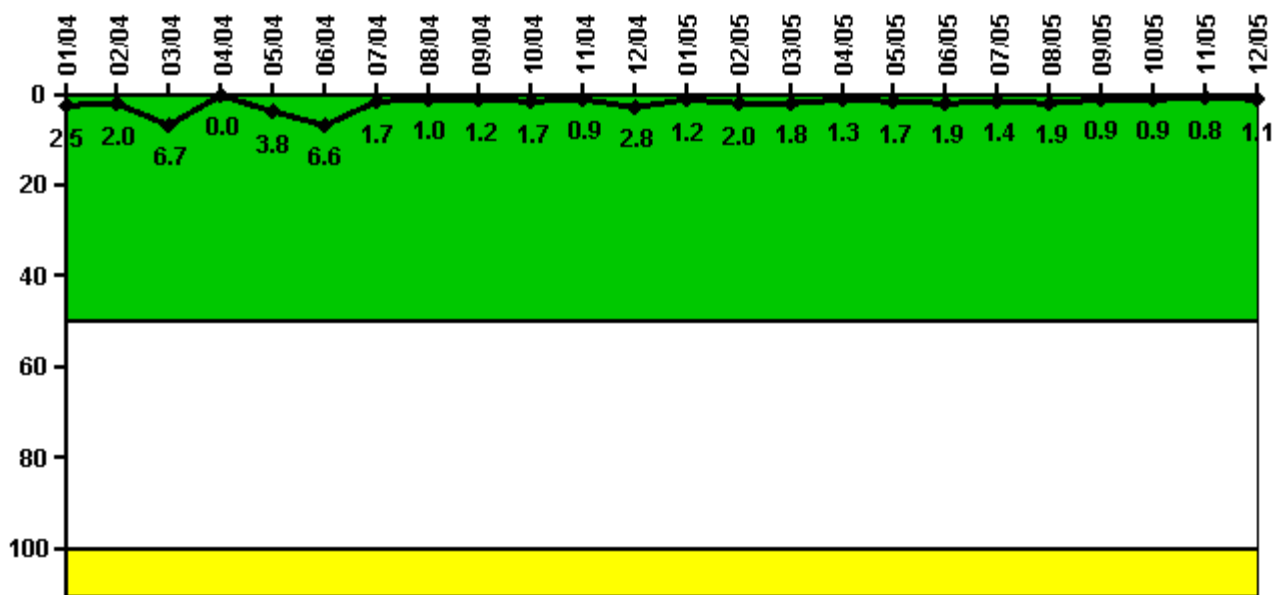
Notes

Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.000316	0.000362	0.000274	N/A	N/A	0.000178	0.000184	0.000196	0.000208	0.000227	0.000316	0.000286
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	N/A	N/A	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.000236	0.000249	0.000248	0.000238	0.000256	0.000258	0.000268	0.000271	0.000273	0.000284	N/A	0.000151
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	N/A	0

Licensee Comments: none

Reactor Coolant System Leakage



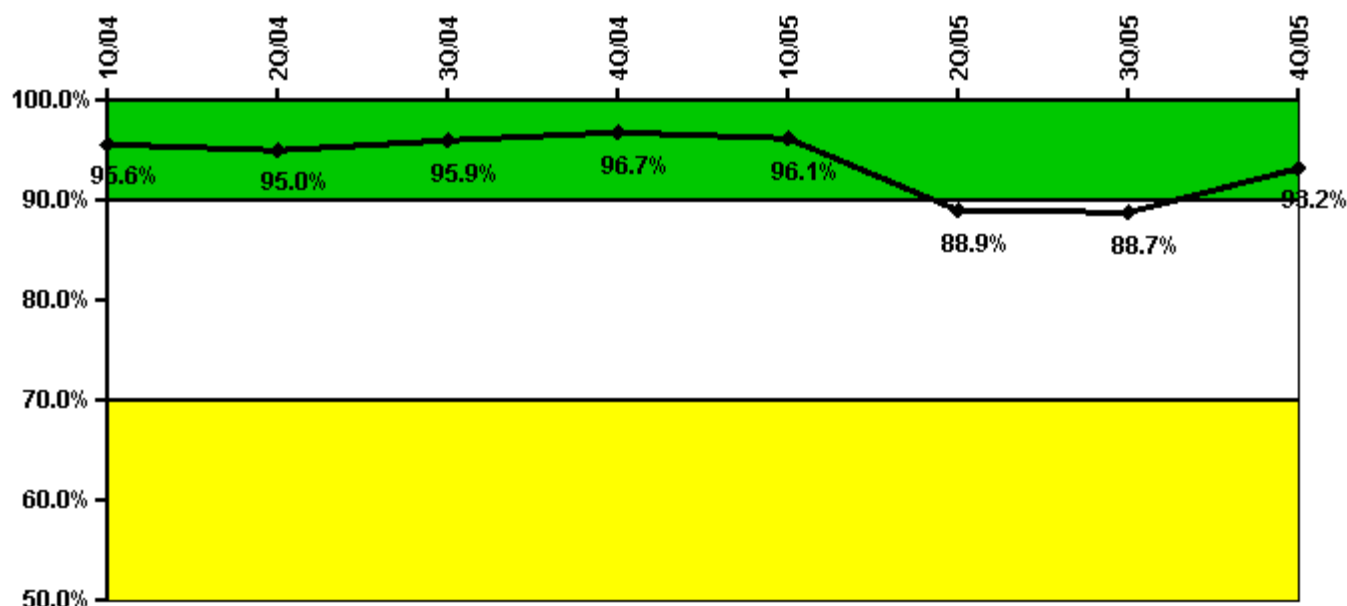
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.253	0.199	0.669	0	0.383	0.655	0.168	0.099	0.123	0.169	0.085	0.275
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	2.5	2.0	6.7	0	3.8	6.6	1.7	1.0	1.2	1.7	0.9	2.8
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.124	0.203	0.181	0.134	0.166	0.194	0.139	0.185	0.090	0.091	0.077	0.106
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	1.2	2.0	1.8	1.3	1.7	1.9	1.4	1.9	0.9	0.9	0.8	1.1

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

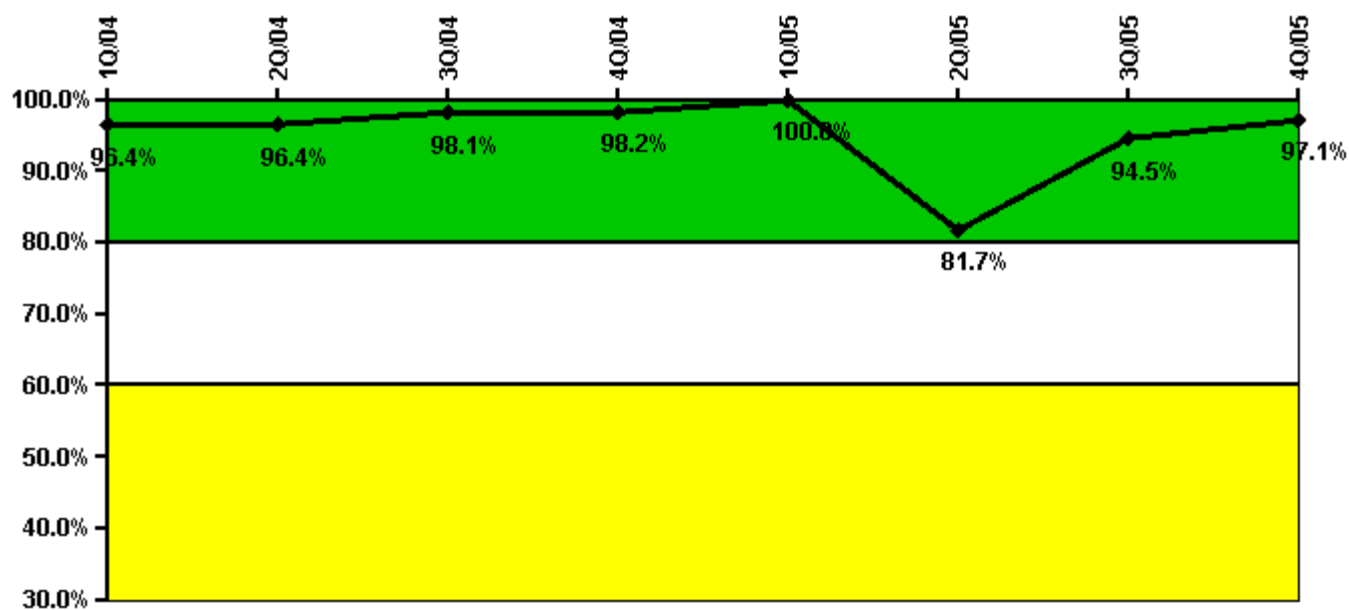
Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	39.0	14.0	14.0	11.0	0	22.0	144.0	247.0
Total opportunities	41.0	15.0	14.0	12.0	0	33.0	162.0	250.0
Indicator value	95.6%	95.0%	95.9%	96.7%	96.1%	88.9%	88.7%	93.2%

Licensee Comments:

3Q/05: Drill / Exercise Performance (DEP) did not improve during 3Q2005 and the indicator remains White. The 3Q2005 DEP deficiencies were primarily associated with inaccurately completing the required notification forms. Additional resources have been applied to the assessment of causes and the identification of corrective actions to improve DEP.

2Q/05: As a result of an NRC inspection and subsequent review of the 2Q2005 Drill/Exercise performance data, three of the 33 opportunities were found to have been incorrectly counted as successful. These three opportunities are now being counted as failures because the "emergency" box was checked instead of the "drill" box, on the otherwise correct initial notification form. The change results in the PI crossing the Green/White threshold.

ERO Drill Participation



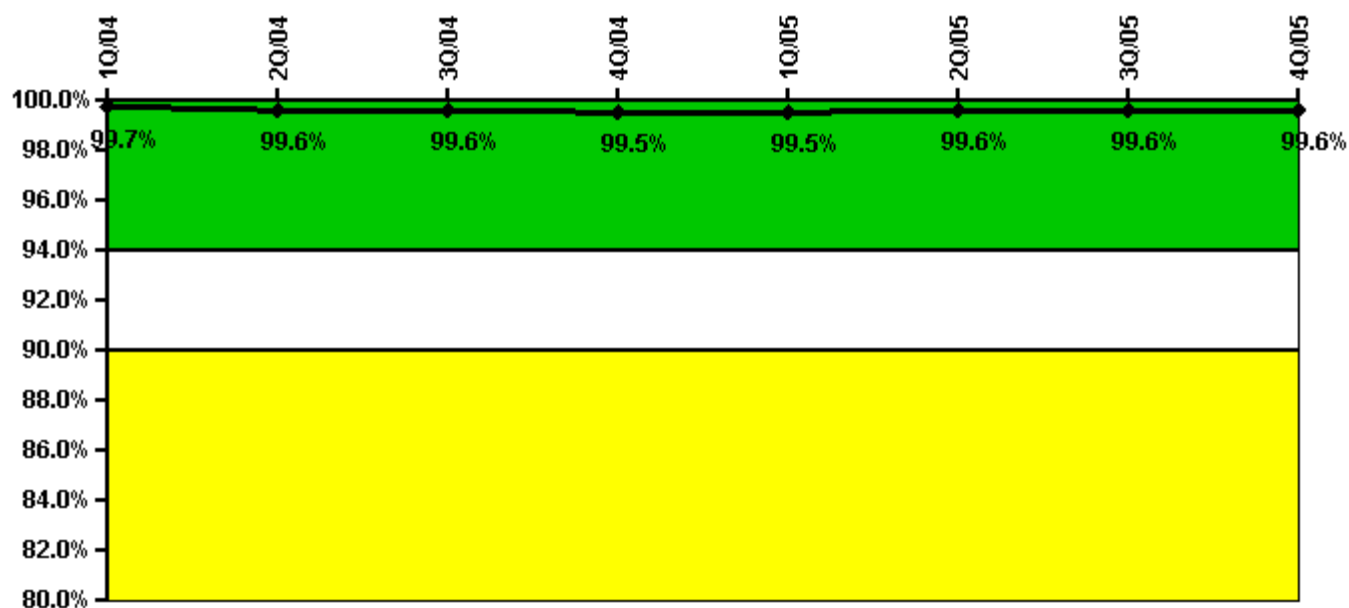
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	53.0	53.0	53.0	55.0	52.0	58.0	69.0	68.0
Total Key personnel	55.0	55.0	54.0	56.0	52.0	71.0	73.0	70.0
Indicator value	96.4%	96.4%	98.1%	98.2%	100.0%	81.7%	94.5%	97.1%

Licensee Comments: none

Alert & Notification System



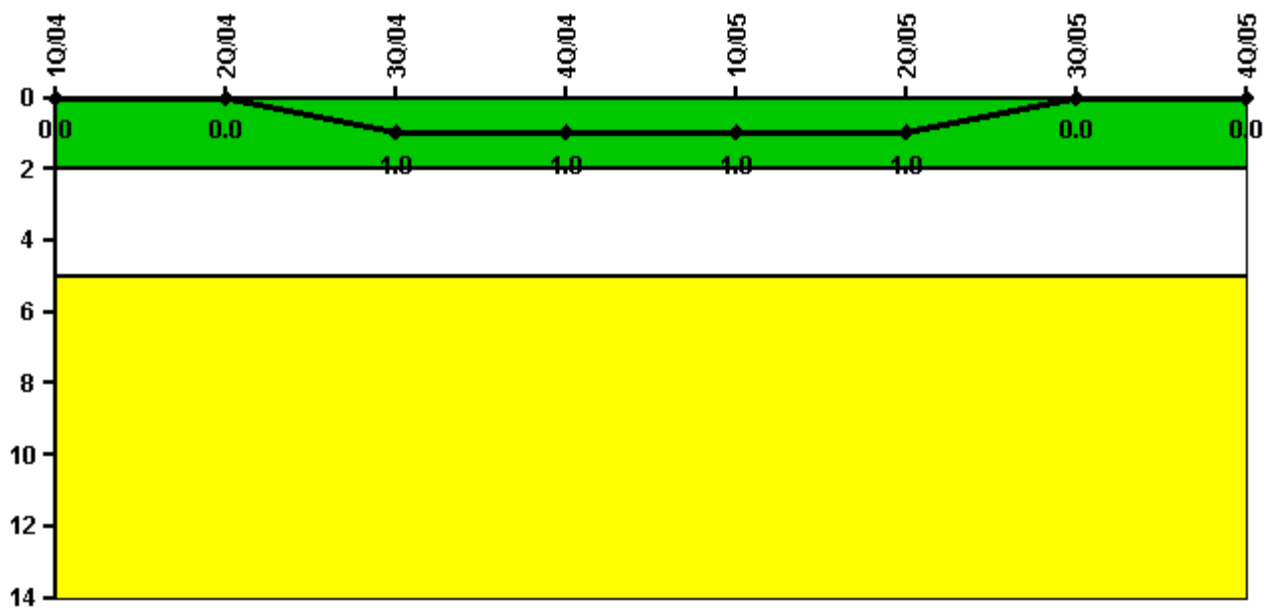
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	1044	1043	1303	911	1043	910	1302	905
Total sirens-tests	1048	1048	1310	917	1048	910	1306	911
Indicator value	99.7%	99.6%	99.6%	99.5%	99.5%	99.6%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
High radiation area occurrences	0	0	1	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	1	1	1	1	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

Last Modified: January 30, 2006

Diablo Canyon 1

1Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



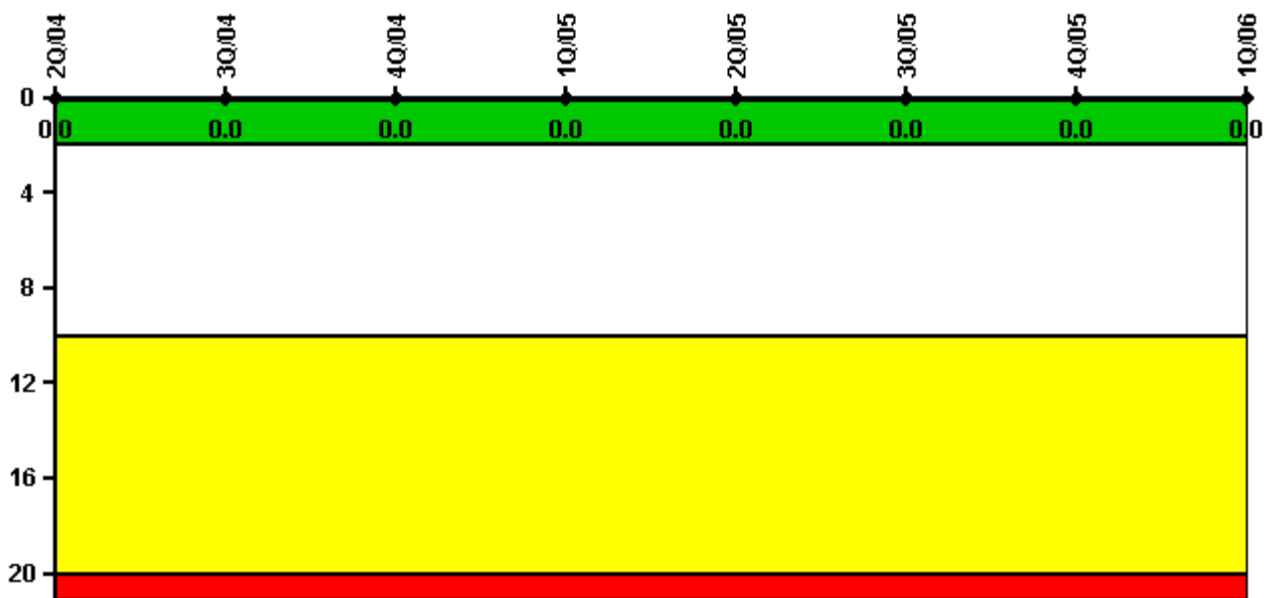
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	677.1	2167.8	2209.0	2160.0	2183.0	2208.0	1303.5	2160.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



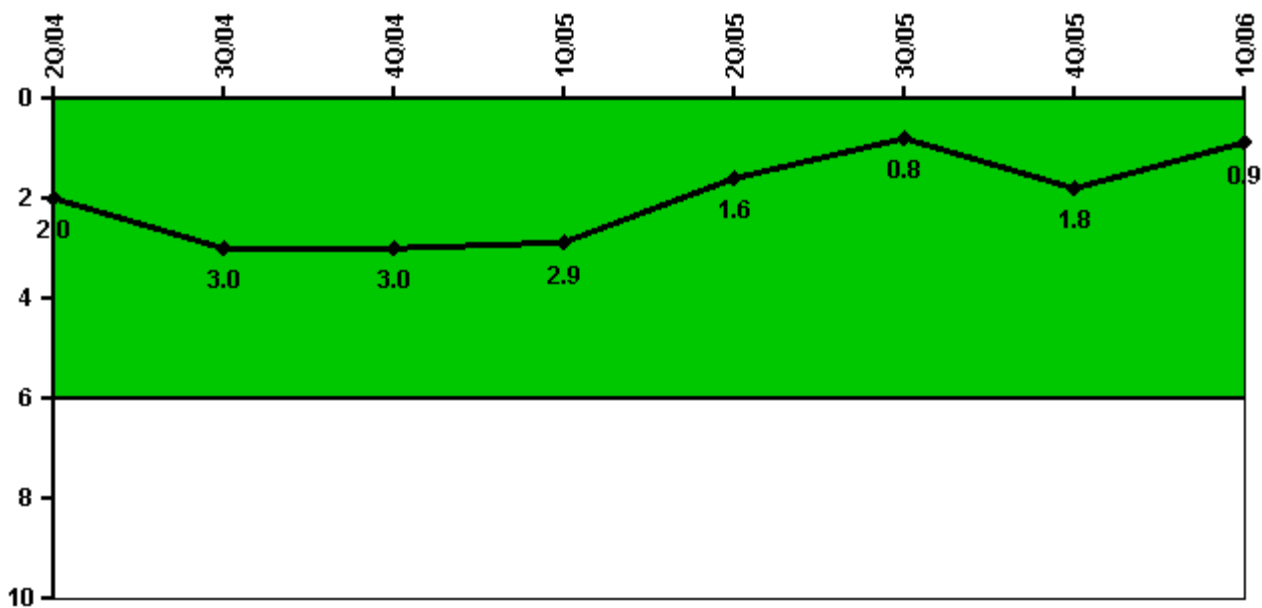
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



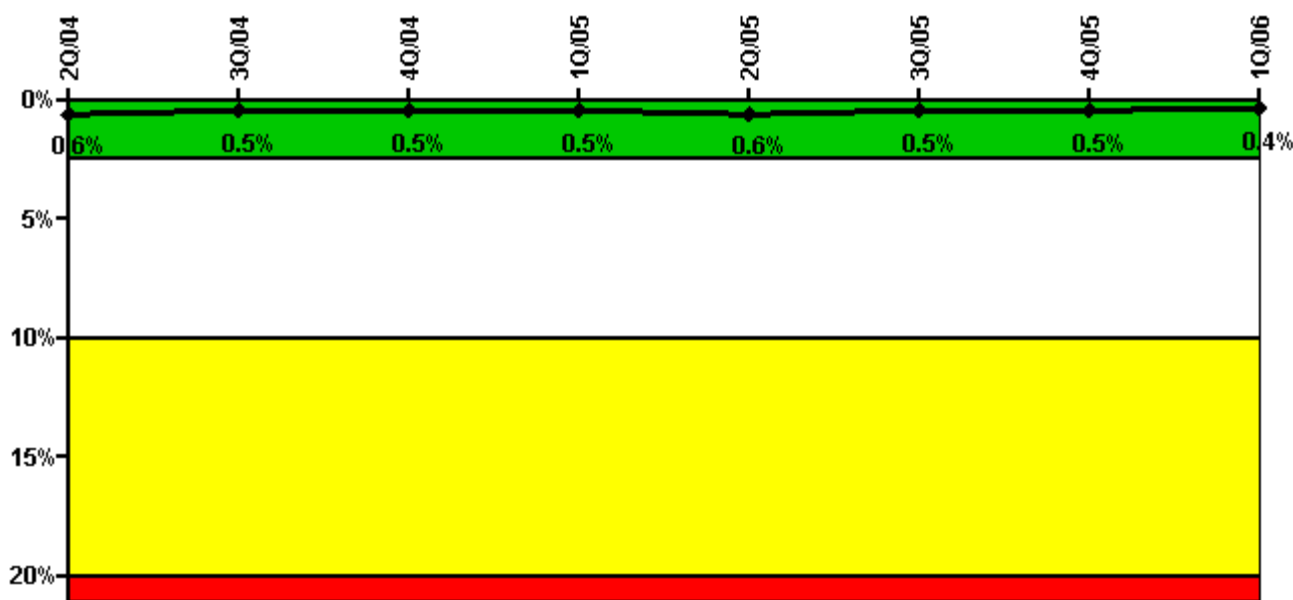
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	1.0	1.0	0	1.0	0	0	1.0	0
Critical hours	677.1	2167.8	2209.0	2160.0	2183.0	2208.0	1303.5	2160.0
Indicator value	2.0	3.0	3.0	2.9	1.6	0.8	1.8	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



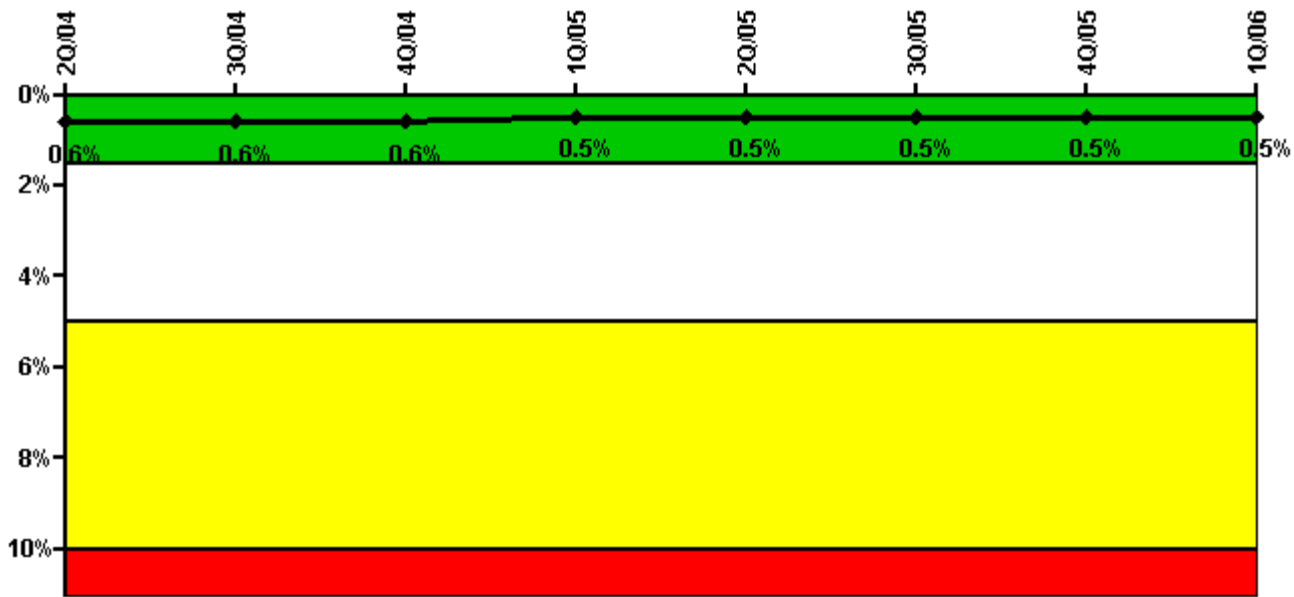
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	1.47	1.30	0	0	0	2.10	5.05	0
Unplanned unavailable hours	0	2.20	0	0	31.57	0	0.43	15.13
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	3.80	0	3.31	3.15	16.47	3.24	2.50	0
Unplanned unavailable hours	0	0	0	0	0	2.65	22.83	14.03
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	8.74	3.15	2.33	1.28	14.58	4.40	0	1.48
Unplanned unavailable hours	0	0	0	0	0	0	0.43	39.58
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.6%	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%	0.4%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



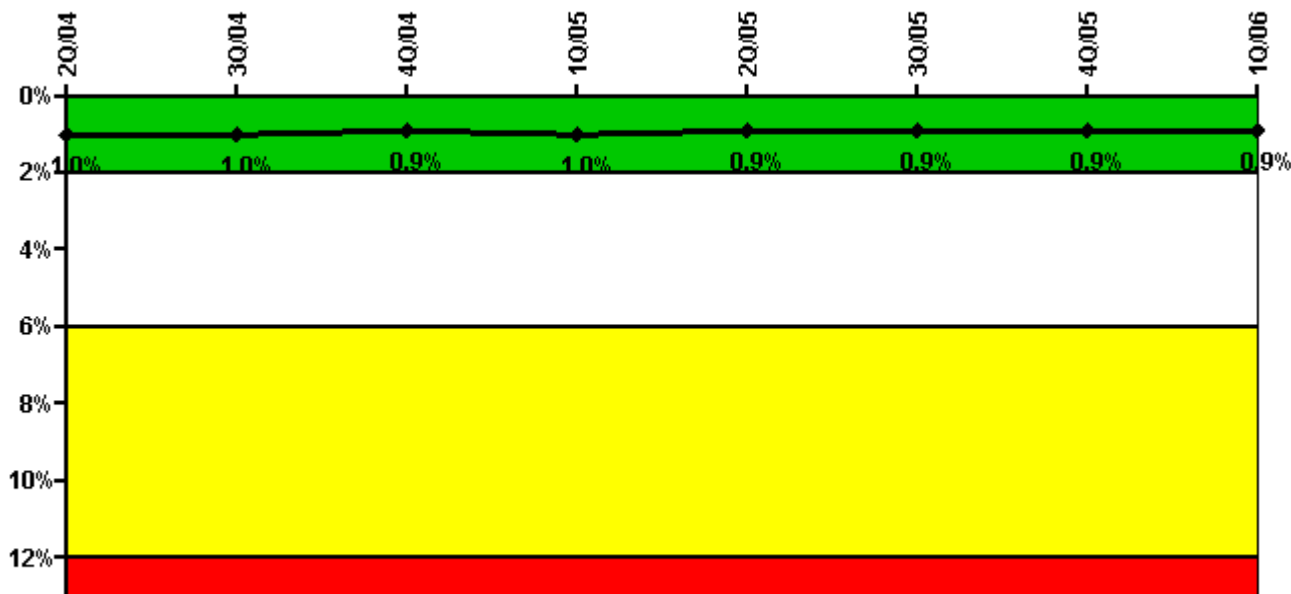
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	1.32	3.15	14.65	1.28	15.50	2.65	0	7.60
Unplanned unavailable hours	0	0	0.33	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50	2160.00
Train 2								
Planned unavailable hours	1.88	18.03	3.31	3.15	16.37	1.82	2.50	0
Unplanned unavailable hours	0	0	0.33	0	0	0	2.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50	2160.00
Train 3								
Planned unavailable hours	1.81	14.00	2.92	9.24	10.85	20.59	1.24	13.52
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50	2160.00
Train 4								
Planned unavailable hours	2.26	0.08	3.38	11.90	13.55	2.15	2.57	0.15
Unplanned unavailable hours	19.88	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50	2160.00
Indicator value	0.6%	0.6%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



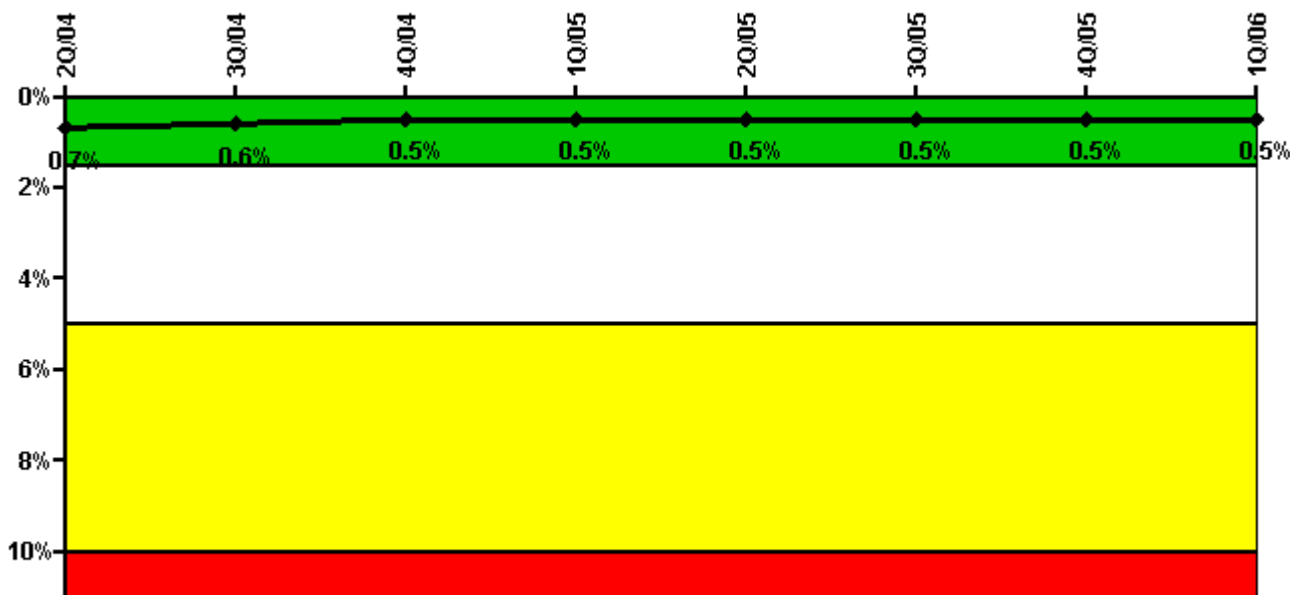
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	1.15	18.97	2.55	14.30	1.72	0	15.29	10.47
Unplanned unavailable hours	93.27	21.25	0	0	0	36.77	0	26.38
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50	2160.00
Train 2								
Planned unavailable hours	2.66	14.48	4.81	28.10	4.92	15.40	4.55	10.72
Unplanned unavailable hours	0	0	0	0	0	21.43	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50	2160.00
Train 3								
Planned unavailable hours	15.77	4.32	12.96	14.67	3.13	3.60	6.05	1.48
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	677.10	2167.80	2209.00	2160.00	2183.00	2208.00	1303.50	2160.00
Indicator value	1.0%	1.0%	0.9%	1.0%	0.9%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



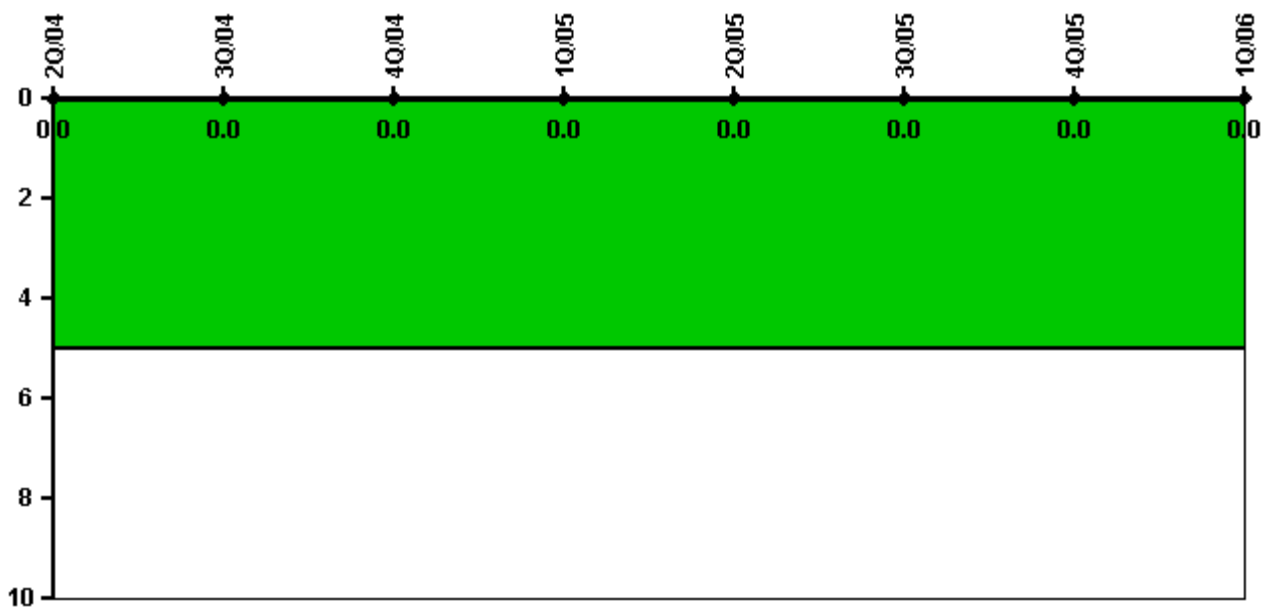
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	2.00	24.17	4.53	3.92	16.36	2.53	12.33	16.63
Unplanned unavailable hours	0	0	0	0	0	0	2.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.32	17.00	3.18	3.43	12.21	3.17	0.15	14.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.7%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



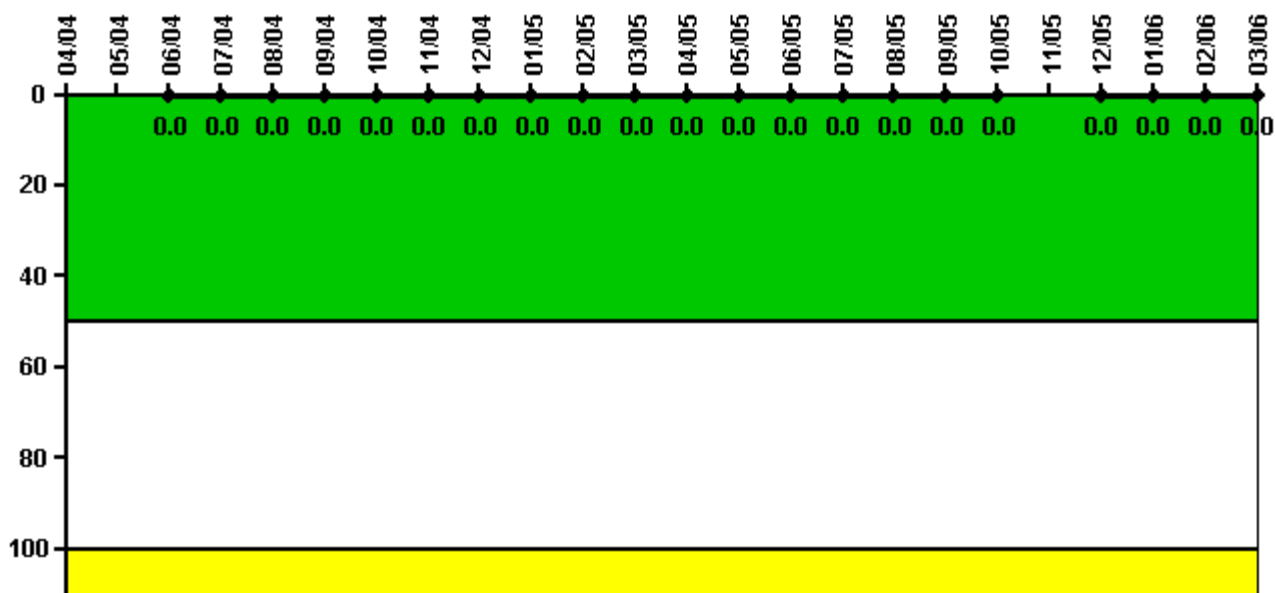
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

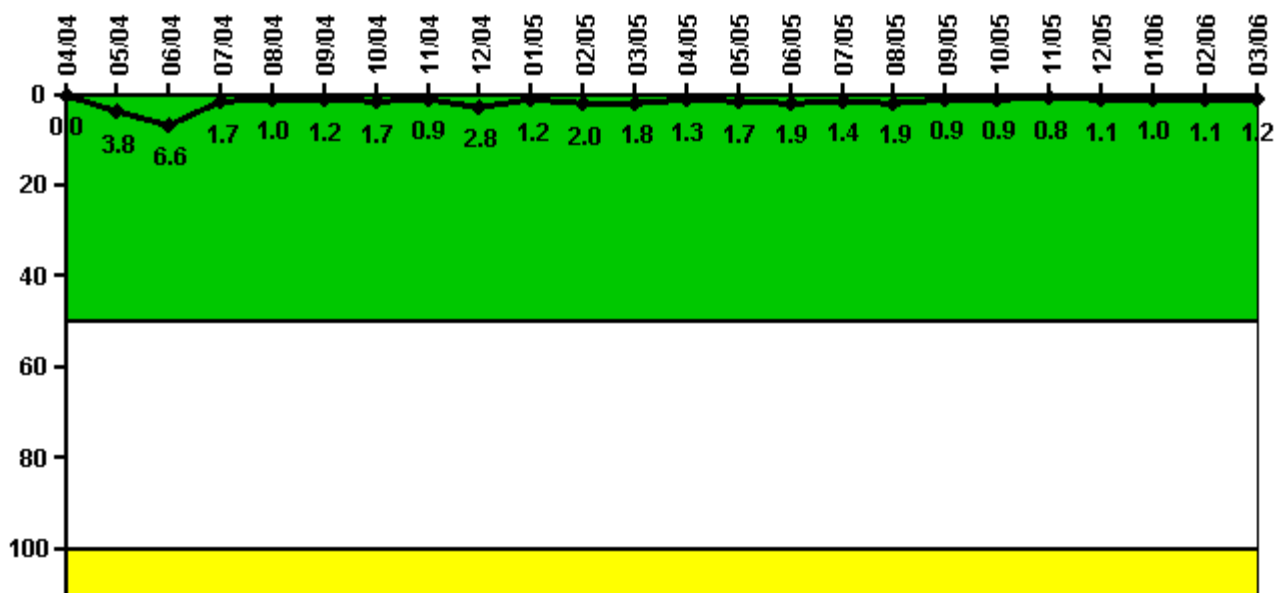
Notes

Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	N/A	N/A	0.000178	0.000184	0.000196	0.000208	0.000227	0.000316	0.000286	0.000236	0.000249	0.000248
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	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0.000238	0.000256	0.000258	0.000268	0.000271	0.000273	0.000284	N/A	0.000151	0.000167	0.000193	0.000175
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	N/A	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



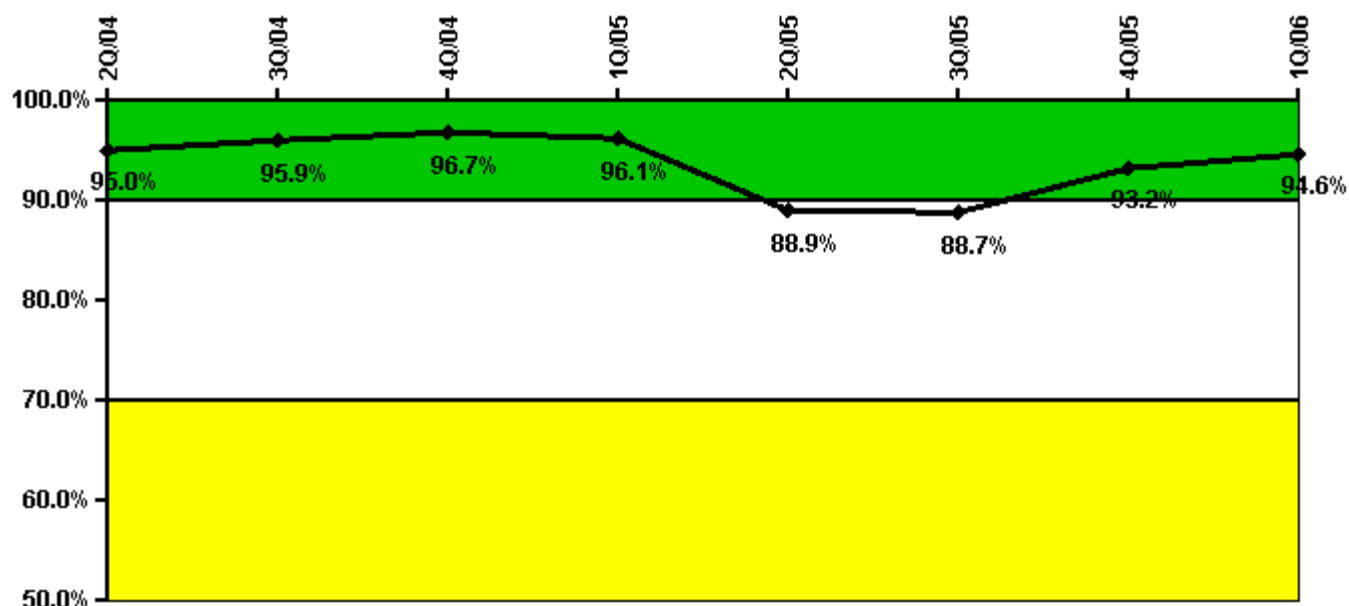
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0	0.383	0.655	0.168	0.099	0.123	0.169	0.085	0.275	0.124	0.203	0.181
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	3.8	6.6	1.7	1.0	1.2	1.7	0.9	2.8	1.2	2.0	1.8
Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.134	0.166	0.194	0.139	0.185	0.090	0.091	0.077	0.106	0.097	0.105	0.122
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	1.3	1.7	1.9	1.4	1.9	0.9	0.9	0.8	1.1	1.0	1.1	1.2

Licensee Comments: none

Drill/Exercise Performance



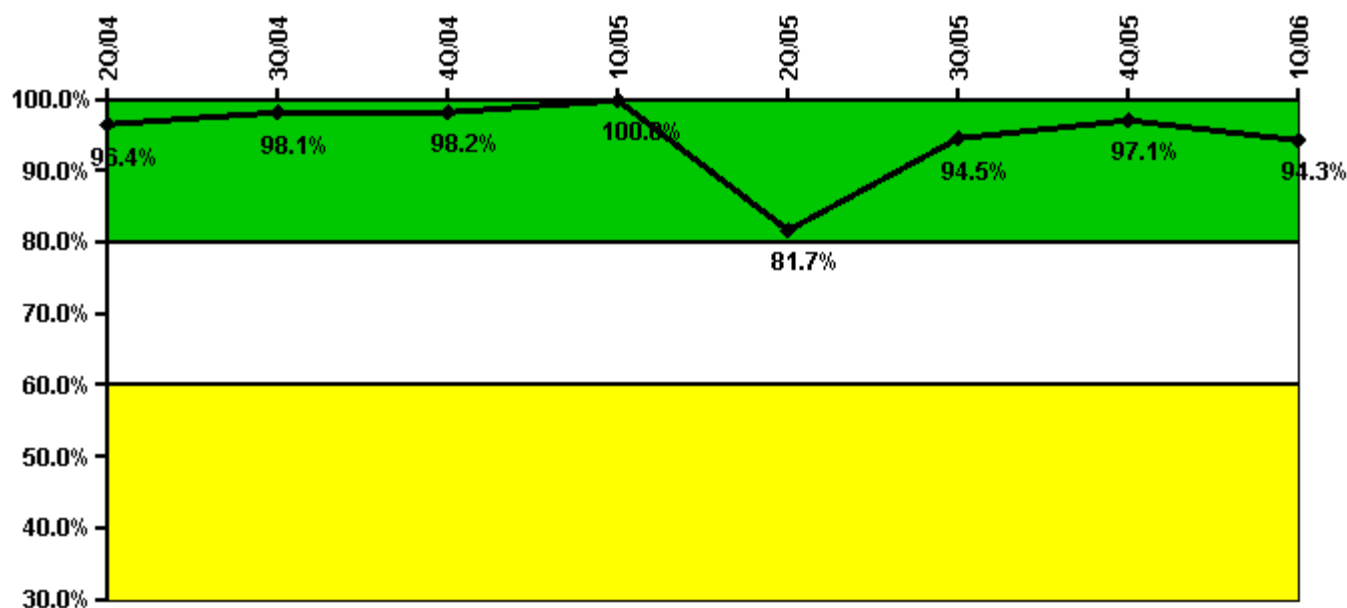
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	14.0	14.0	11.0	0	22.0	144.0	247.0	236.0
Total opportunities	15.0	14.0	12.0	0	33.0	162.0	250.0	241.0
Indicator value	95.0%	95.9%	96.7%	96.1%	88.9%	88.7%	93.2%	94.6%

Licensee Comments: none

ERO Drill Participation



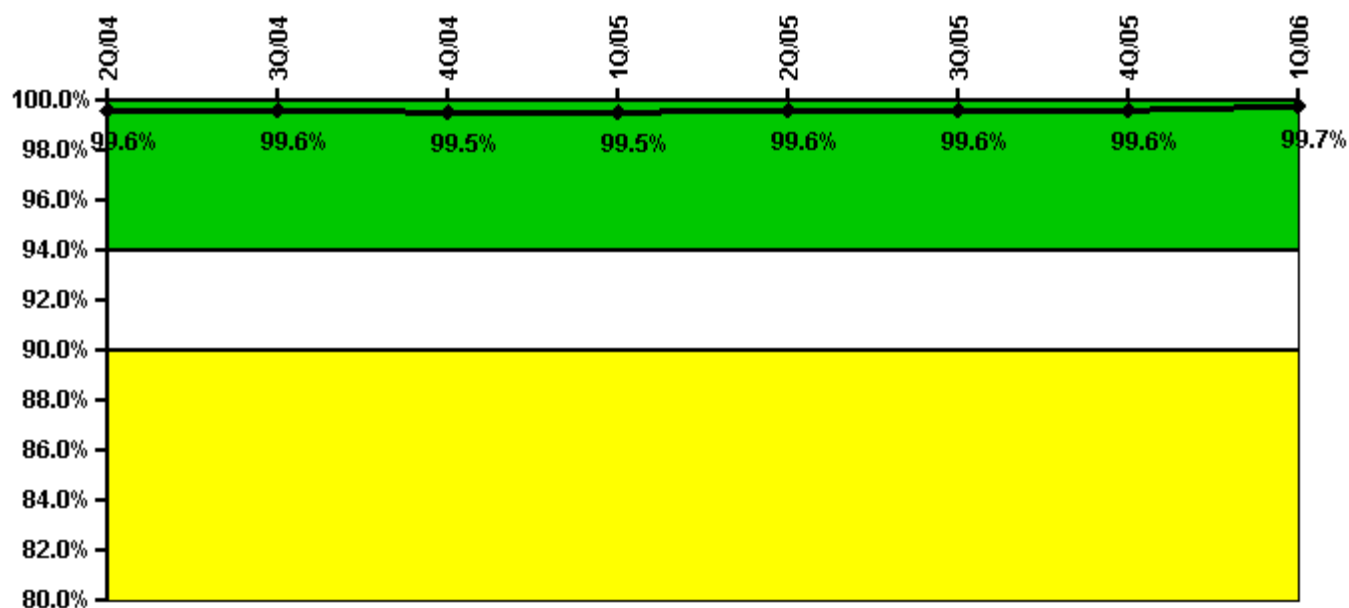
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	53.0	53.0	55.0	52.0	58.0	69.0	68.0	66.0
Total Key personnel	55.0	54.0	56.0	52.0	71.0	73.0	70.0	70.0
Indicator value	96.4%	98.1%	98.2%	100.0%	81.7%	94.5%	97.1%	94.3%

Licensee Comments: none

Alert & Notification System



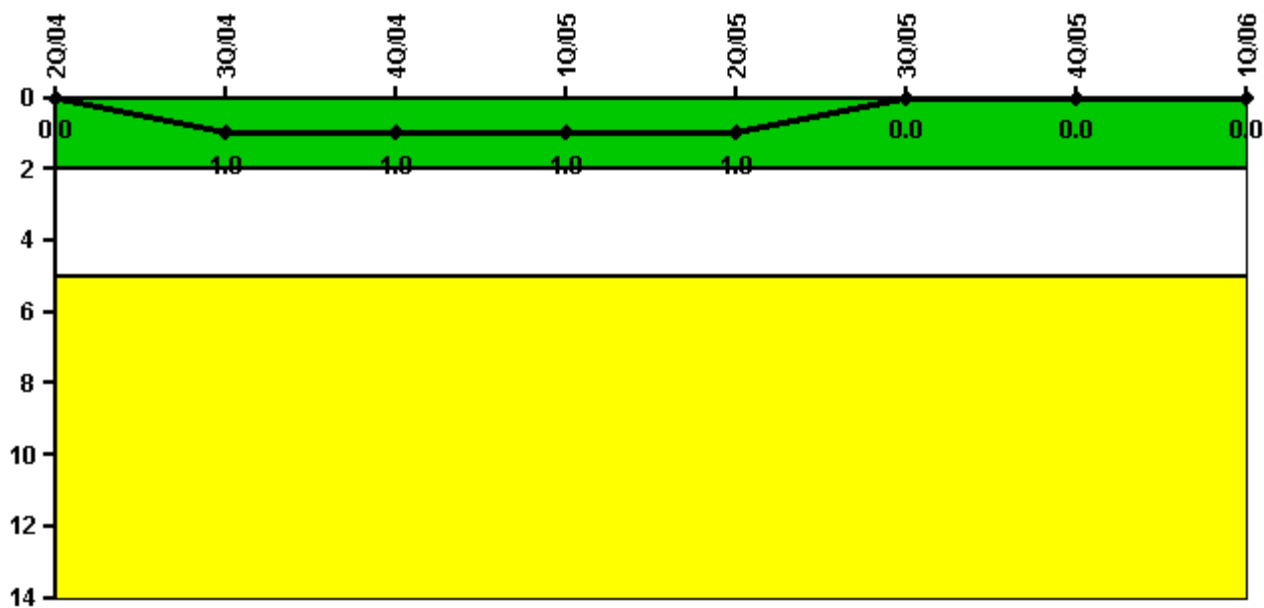
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	1043	1303	911	1043	910	1302	905	1043
Total sirens-tests	1048	1310	917	1048	910	1306	911	1045
Indicator value	99.6%	99.6%	99.5%	99.5%	99.6%	99.6%	99.6%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



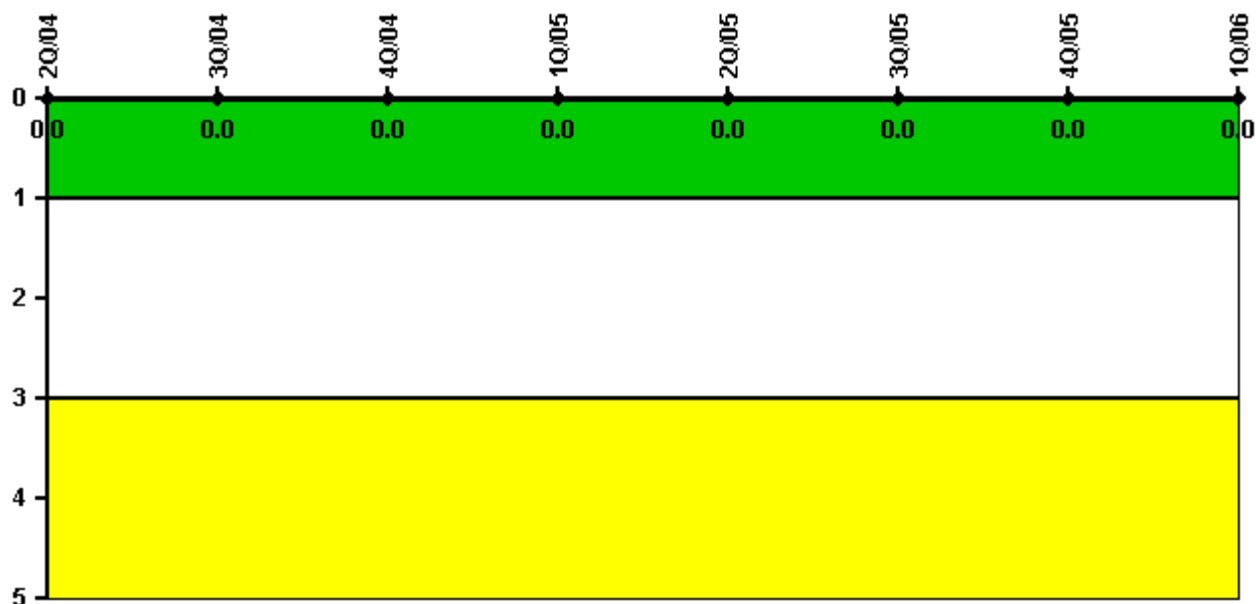
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
High radiation area occurrences	0	1	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	1	1	1	1	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

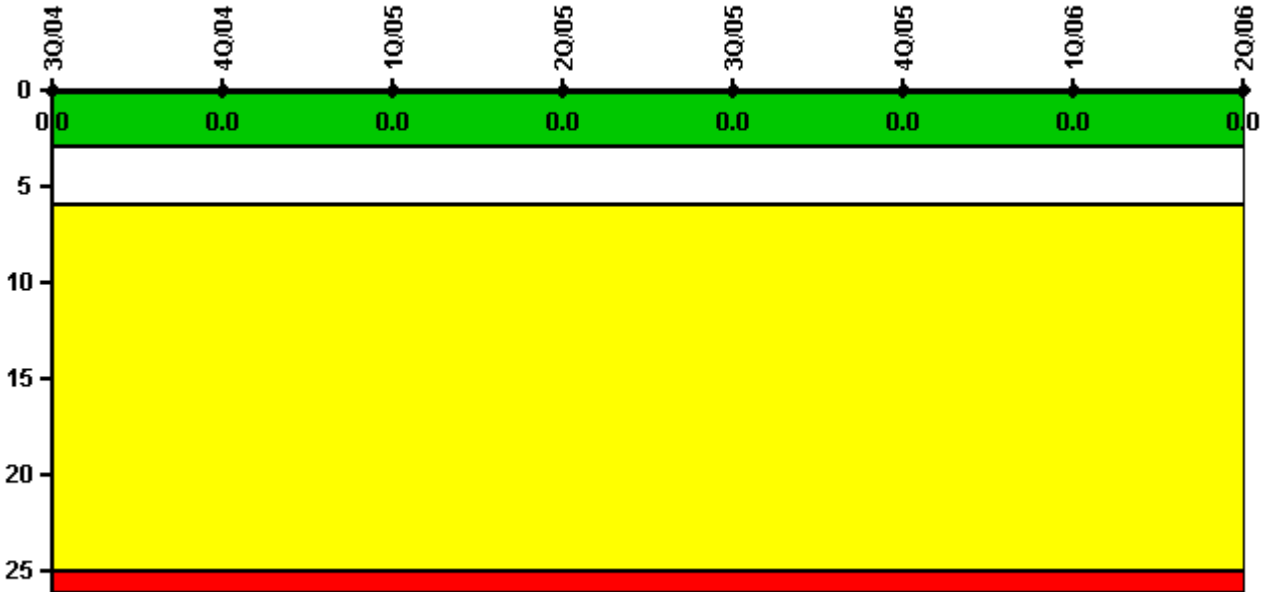
Last Modified: May 5, 2006

Diablo Canyon 1

2Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



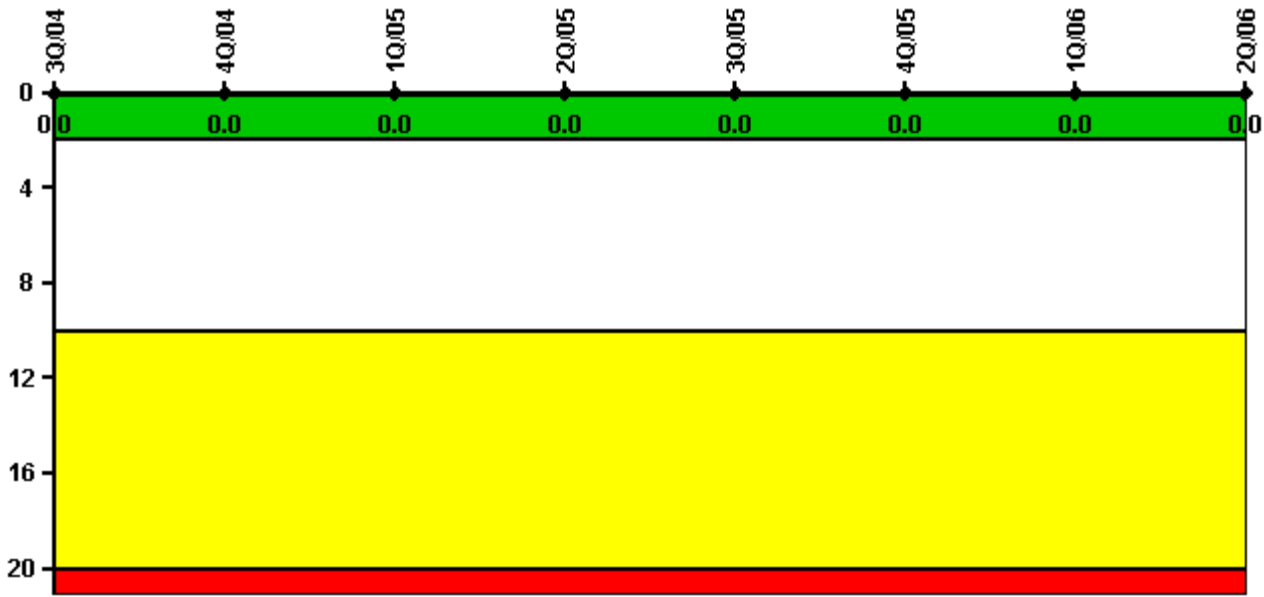
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2167.8	2209.0	2160.0	2183.0	2208.0	1303.5	2160.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



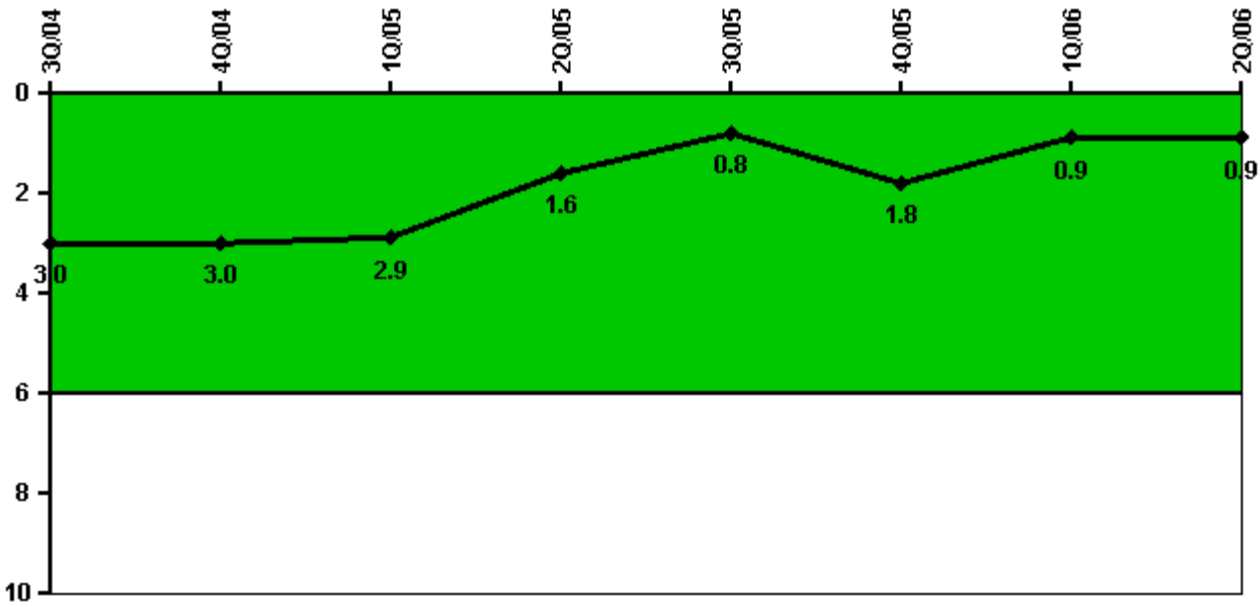
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



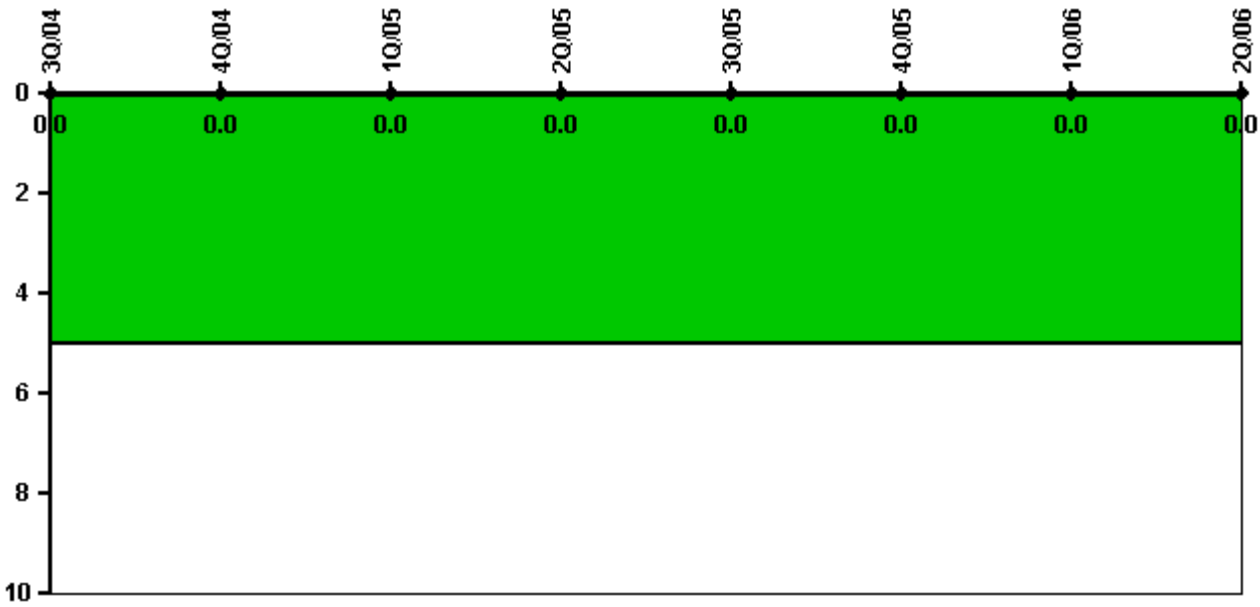
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	1.0	0	1.0	0	0	1.0	0	0
Critical hours	2167.8	2209.0	2160.0	2183.0	2208.0	1303.5	2160.0	2183.0
Indicator value	3.0	3.0	2.9	1.6	0.8	1.8	0.9	0.9

Licensee Comments: none

Safety System Functional Failures (PWR)



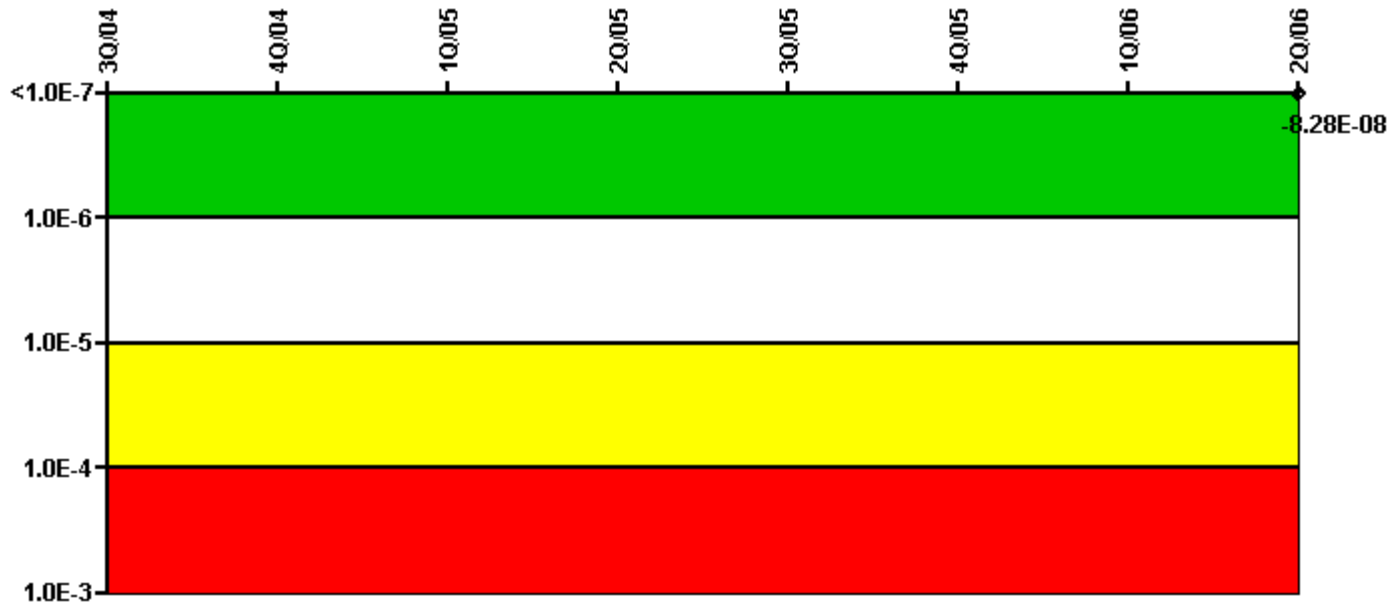
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



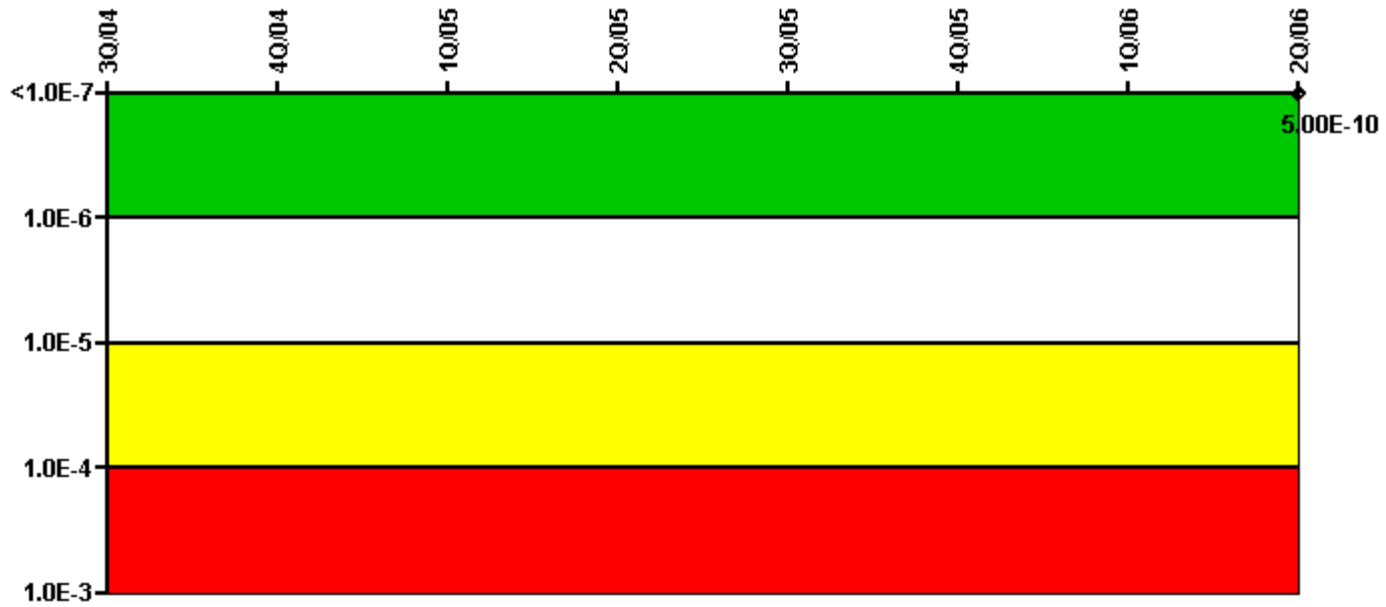
Thresholds: White > $1.0E-6$ Yellow > $1.0E-5$ Red > $1.0E-4$

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								3.20E-09
URI (Δ CDF)								-8.60E-08
PLE								NO
Indicator value								-8.28E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



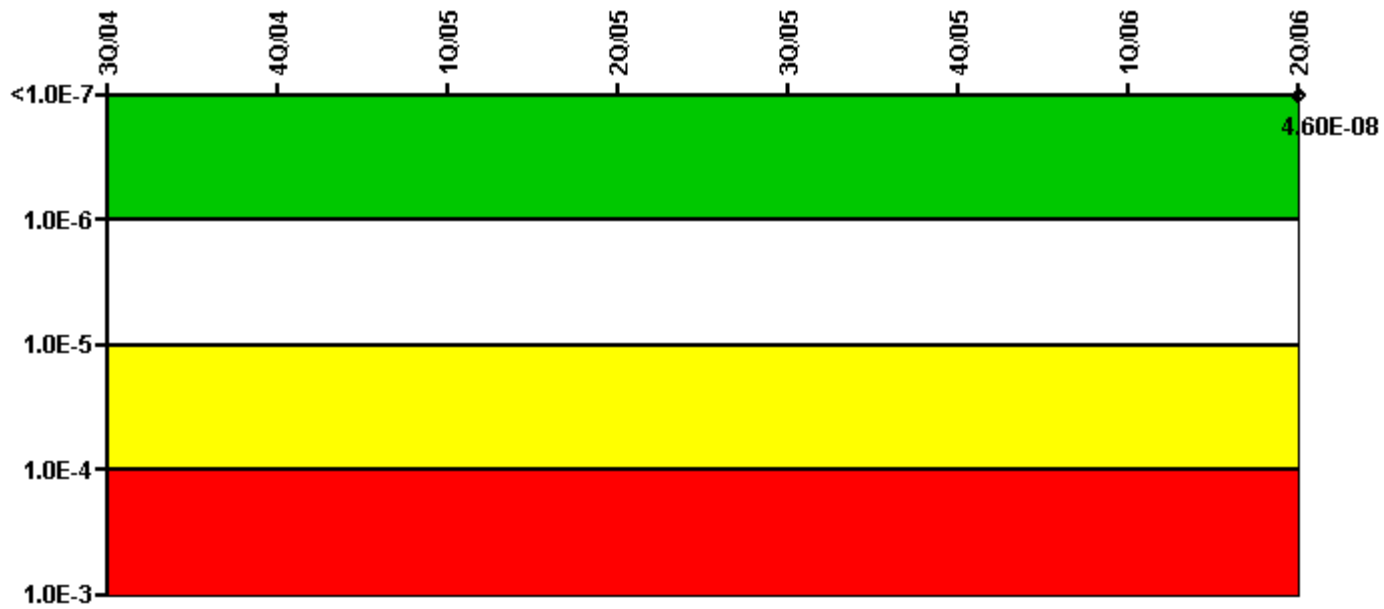
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								-1.10E-09
URI (Δ CDF)								1.60E-09
PLE								NO
Indicator value								5.00E-10

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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								1.30E-07
URI (ΔCDF)								-8.40E-08
PLE								NO
Indicator value								4.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



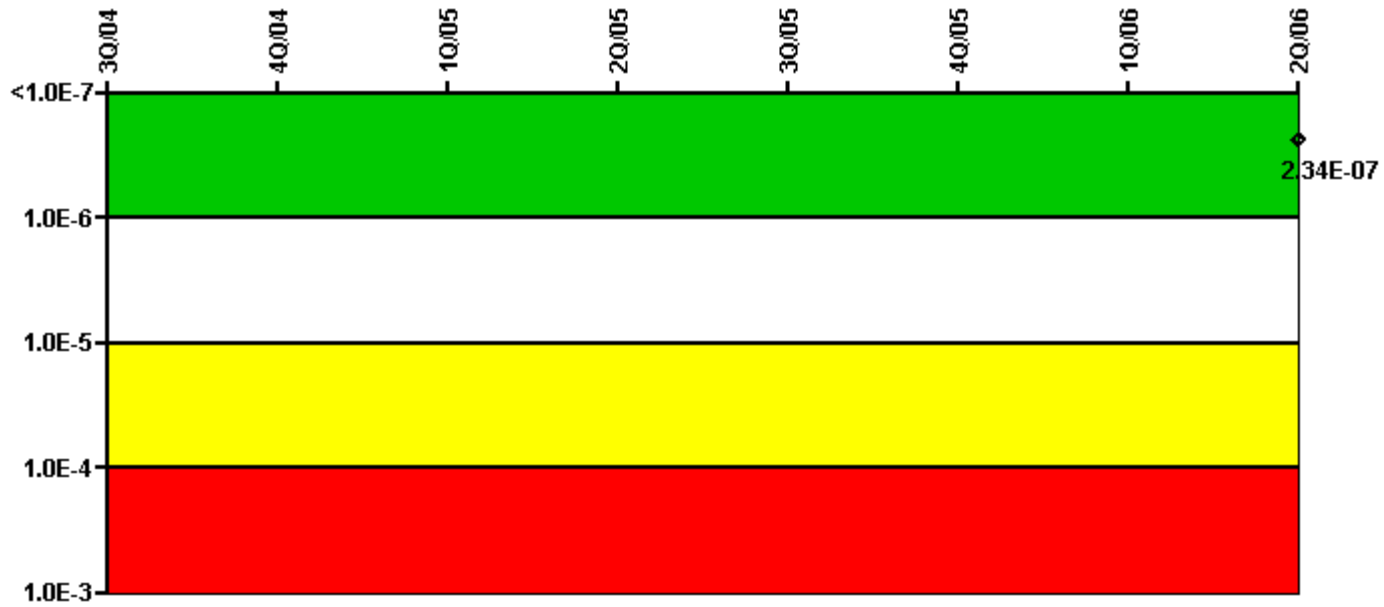
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								-5.90E-09
URI (Δ CDF)								2.80E-08
PLE								NO
Indicator value								2.21E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



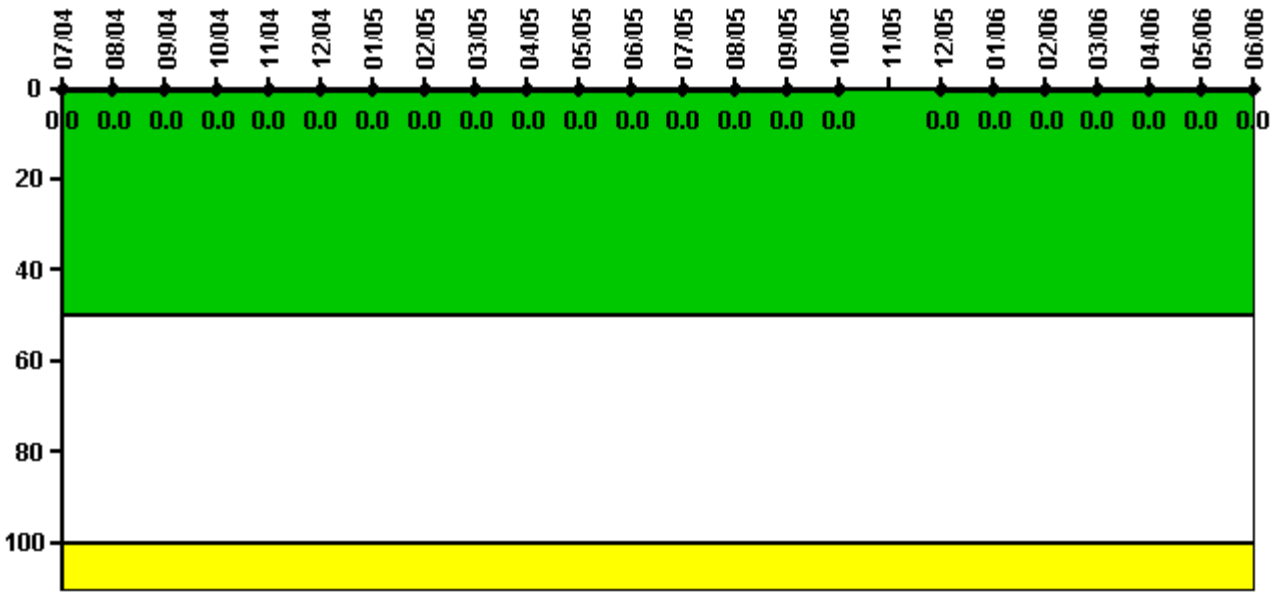
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-4.60E-08
URI (ΔCDF)								2.80E-07
PLE								NO
Indicator value								2.34E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

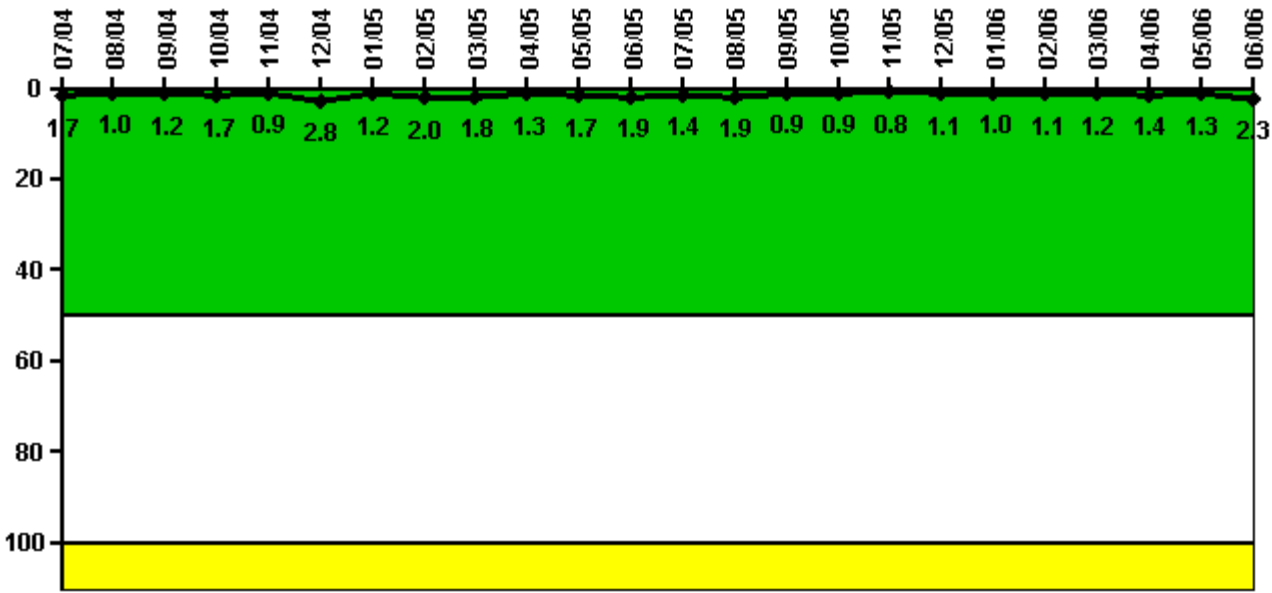
Notes

Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.000184	0.000196	0.000208	0.000227	0.000316	0.000286	0.000236	0.000249	0.000248	0.000238	0.000256	0.000258
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

Reactor Coolant System Activity	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity	0.000268	0.000271	0.000273	0.000284	N/A	0.000151	0.000167	0.000193	0.000175	0.000197	0.000206	0.000195
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	N/A	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

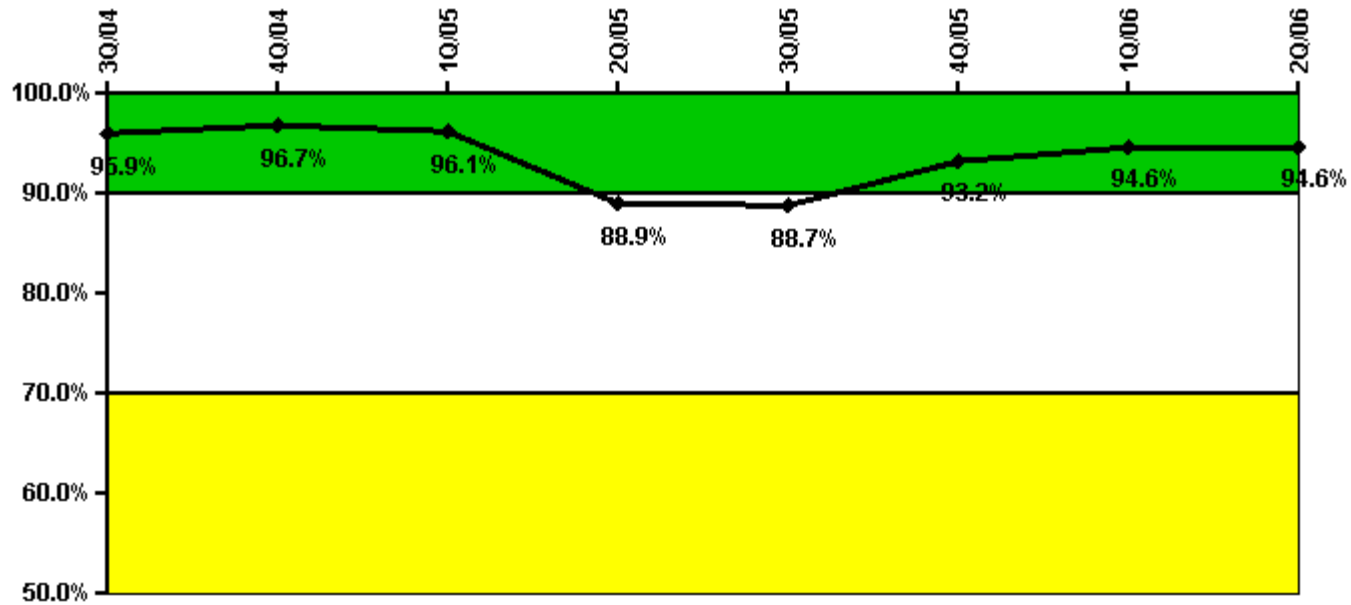
Notes

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.168	0.099	0.123	0.169	0.085	0.275	0.124	0.203	0.181	0.134	0.166	0.194
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	1.7	1.0	1.2	1.7	0.9	2.8	1.2	2.0	1.8	1.3	1.7	1.9

Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.139	0.185	0.090	0.091	0.077	0.106	0.097	0.105	0.122	0.140	0.128	0.233
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	1.4	1.9	0.9	0.9	0.8	1.1	1.0	1.1	1.2	1.4	1.3	2.3

Licensee Comments: none

Drill/Exercise Performance



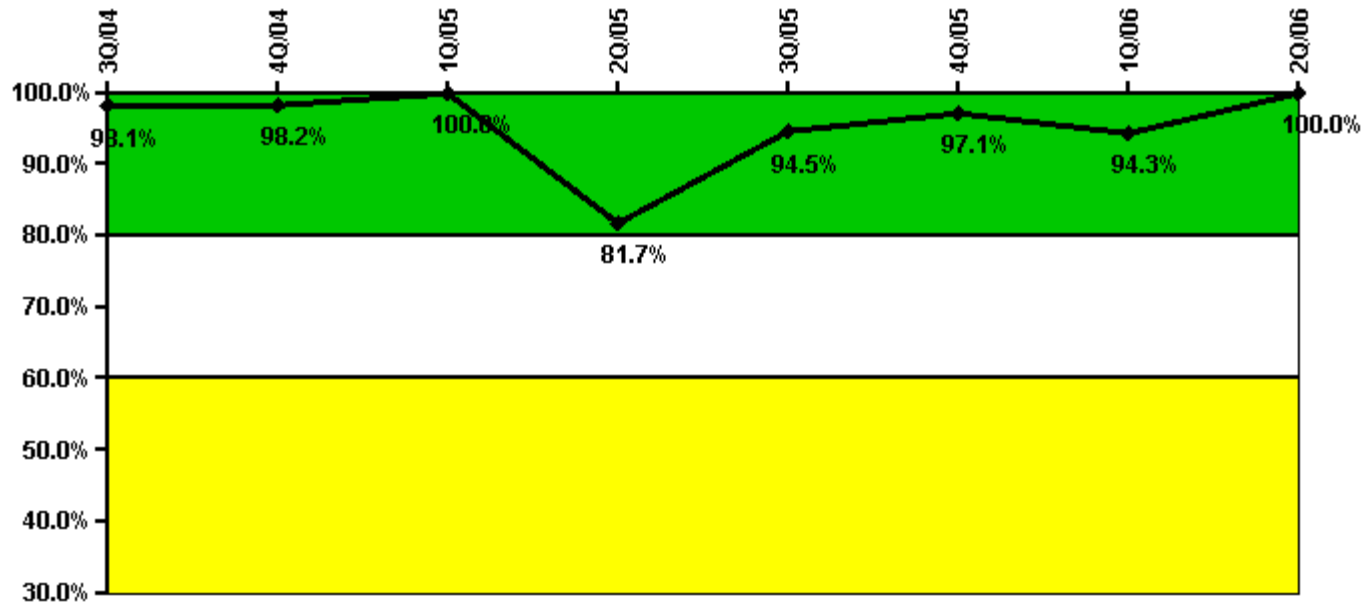
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	14.0	11.0	0	22.0	144.0	247.0	236.0	15.0
Total opportunities	14.0	12.0	0	33.0	162.0	250.0	241.0	16.0
Indicator value	95.9%	96.7%	96.1%	88.9%	88.7%	93.2%	94.6%	94.6%

Licensee Comments: none

ERO Drill Participation



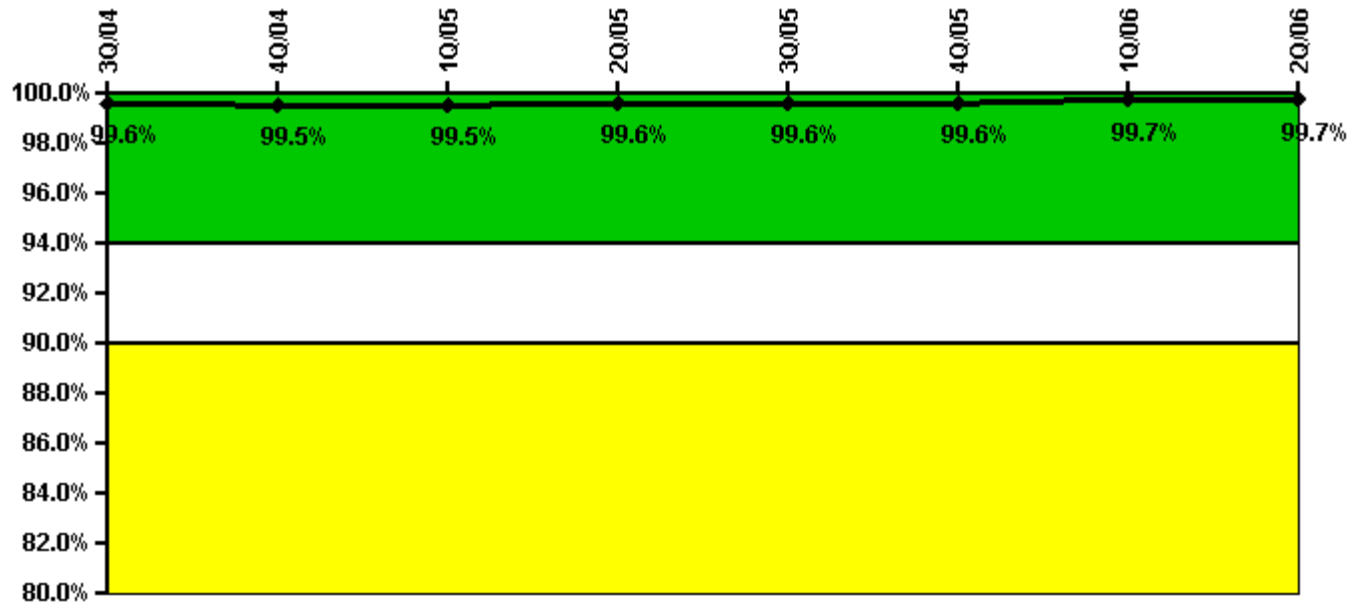
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	53.0	55.0	52.0	58.0	69.0	68.0	66.0	71.0
Total Key personnel	54.0	56.0	52.0	71.0	73.0	70.0	70.0	71.0
Indicator value	98.1%	98.2%	100.0%	81.7%	94.5%	97.1%	94.3%	100.0%

Licensee Comments: none

Alert & Notification System



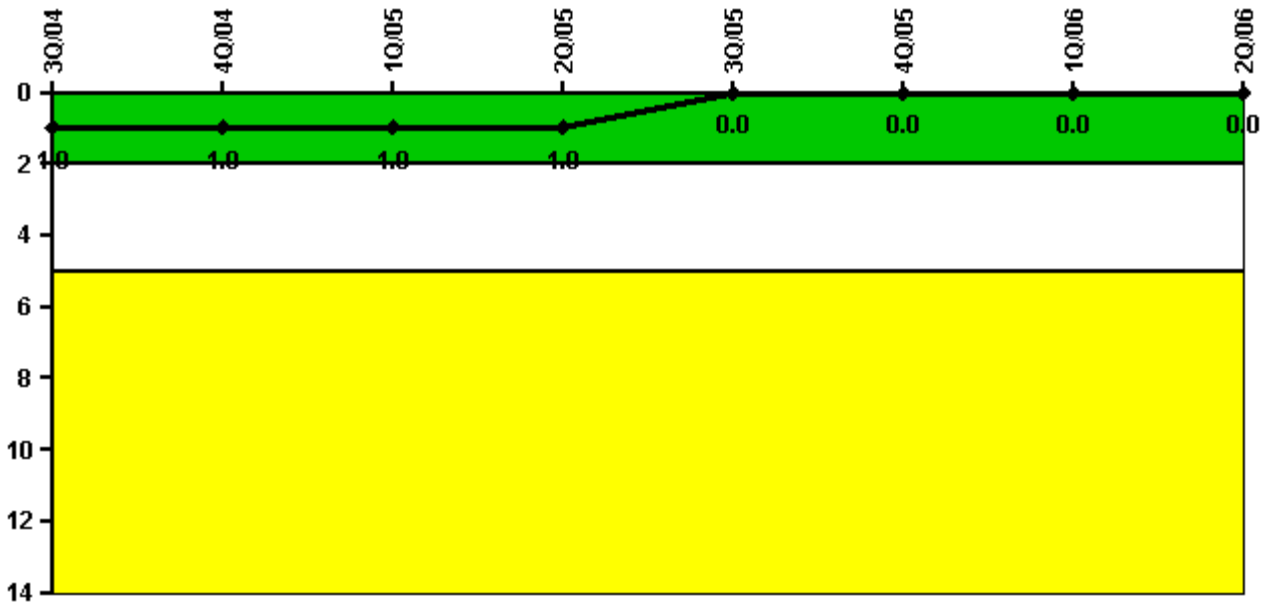
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	1303	911	1043	910	1302	905	1043	916
Total sirens-tests	1310	917	1048	910	1306	911	1045	917
Indicator value	99.6%	99.5%	99.5%	99.6%	99.6%	99.6%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



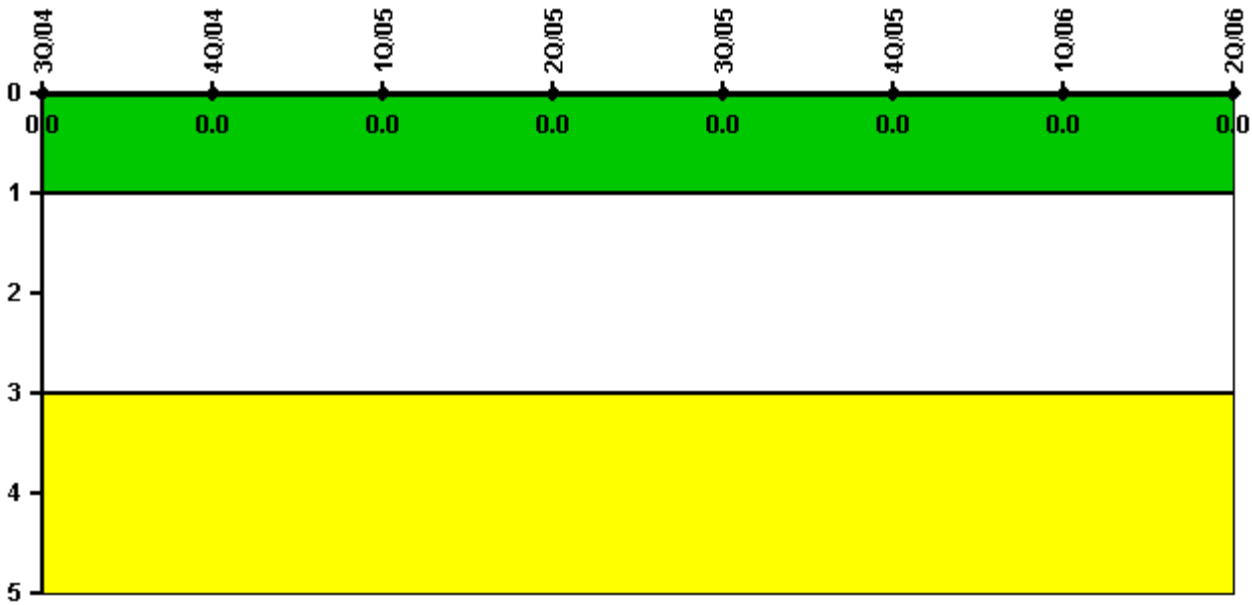
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
High radiation area occurrences	1	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	1	1	1	1	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

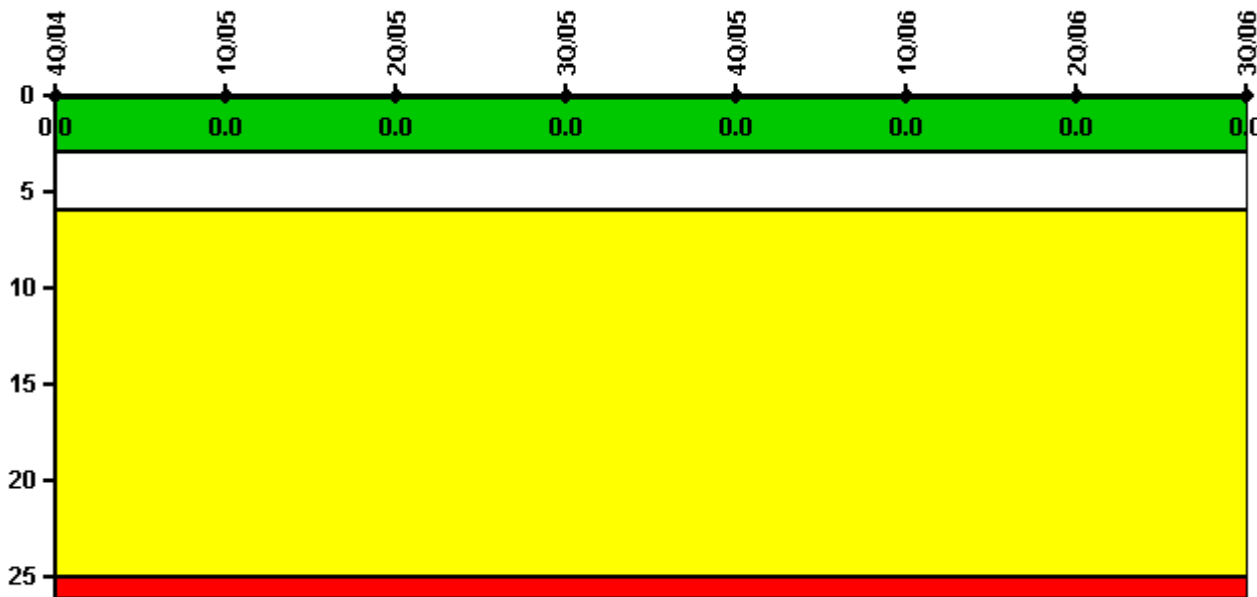
Last Modified: August 2, 2006

Diablo Canyon 1

3Q/2006 Performance Indicators

Licensee's General Comments: Changes correct several discrepancies in the initial MSPI data entry.

Unplanned Scrams per 7000 Critical Hrs



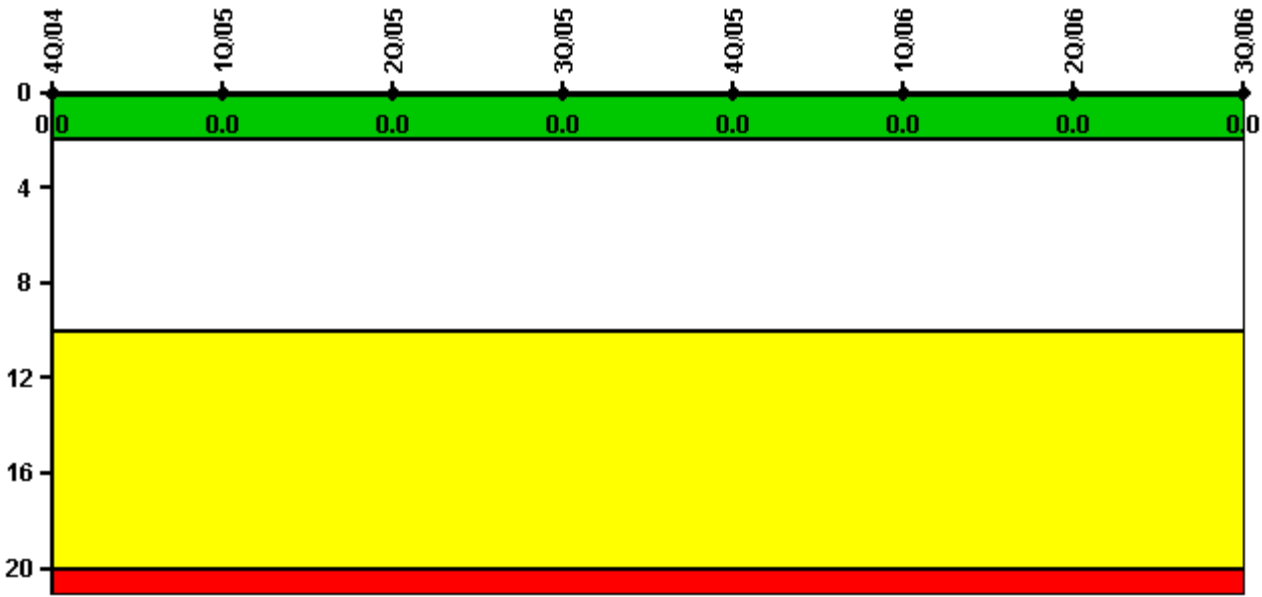
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1303.5	2160.0	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



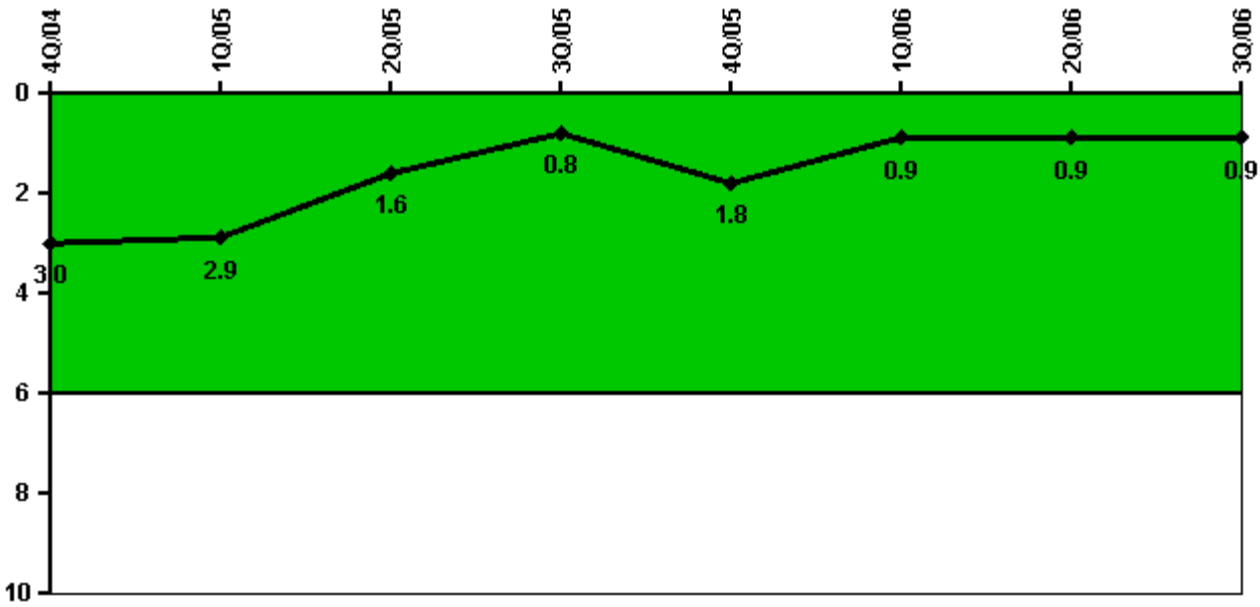
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



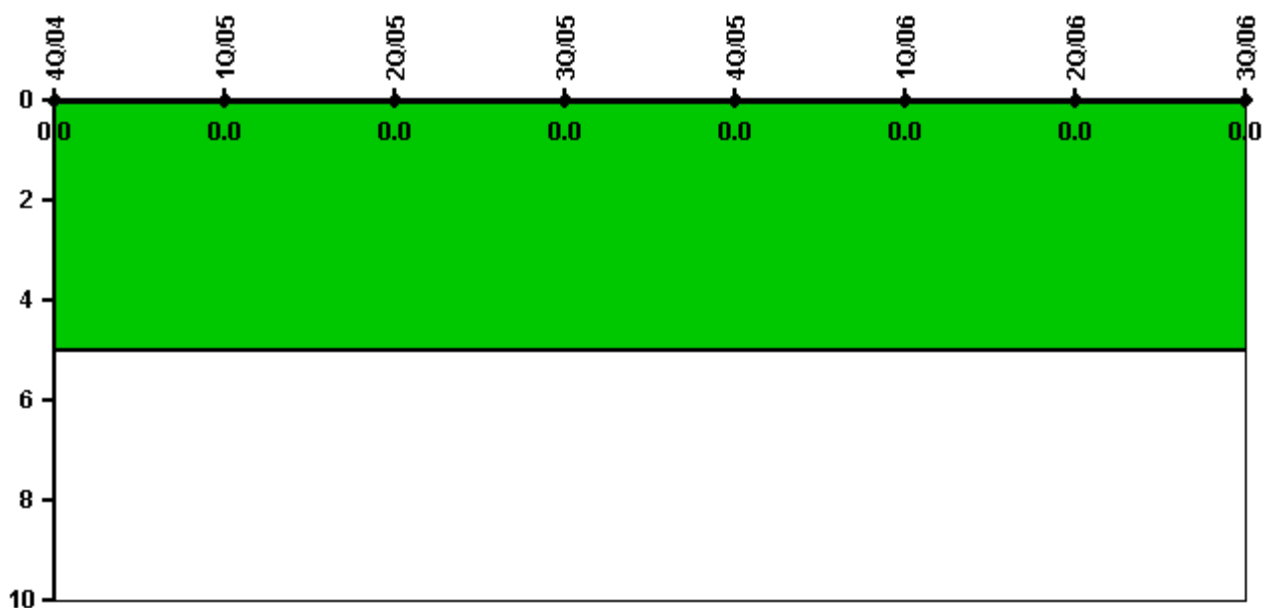
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	1.0	0	0	1.0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1303.5	2160.0	2183.0	2208.0
Indicator value	3.0	2.9	1.6	0.8	1.8	0.9	0.9	0.9

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



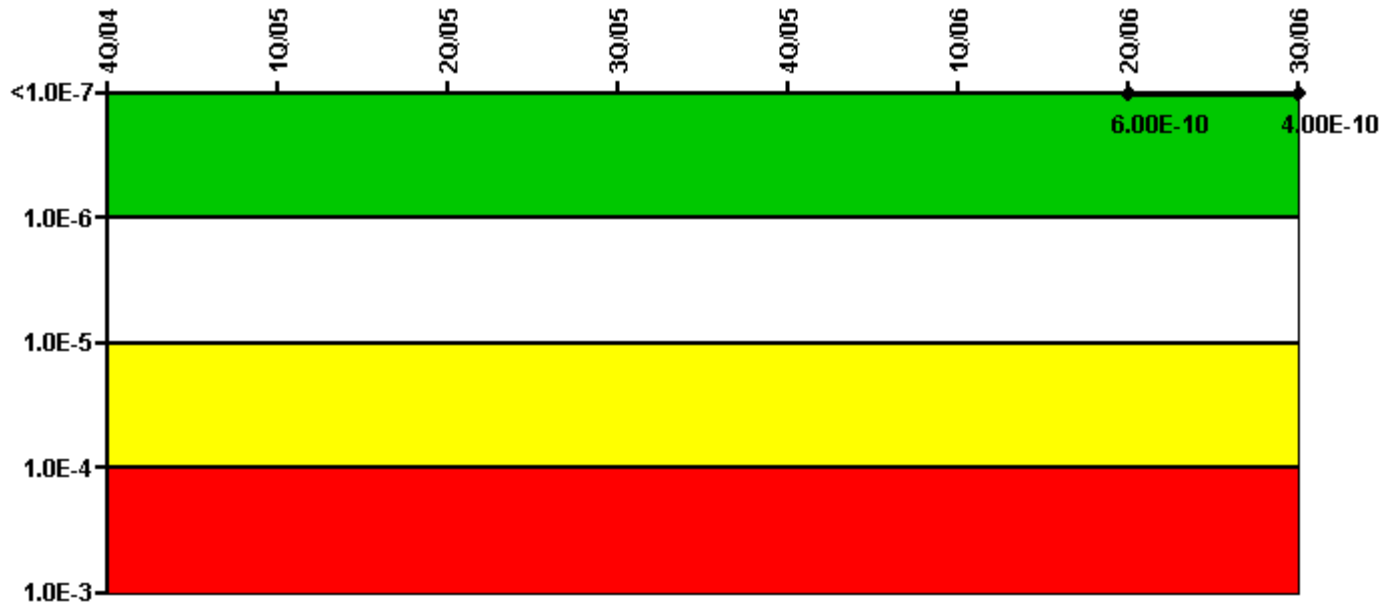
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							3.20E-09	5.50E-09
URI (Δ CDF)							-8.60E-08	-8.60E-08
PLE							NO	NO
Indicator value							-8.28E-08	-8.05E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

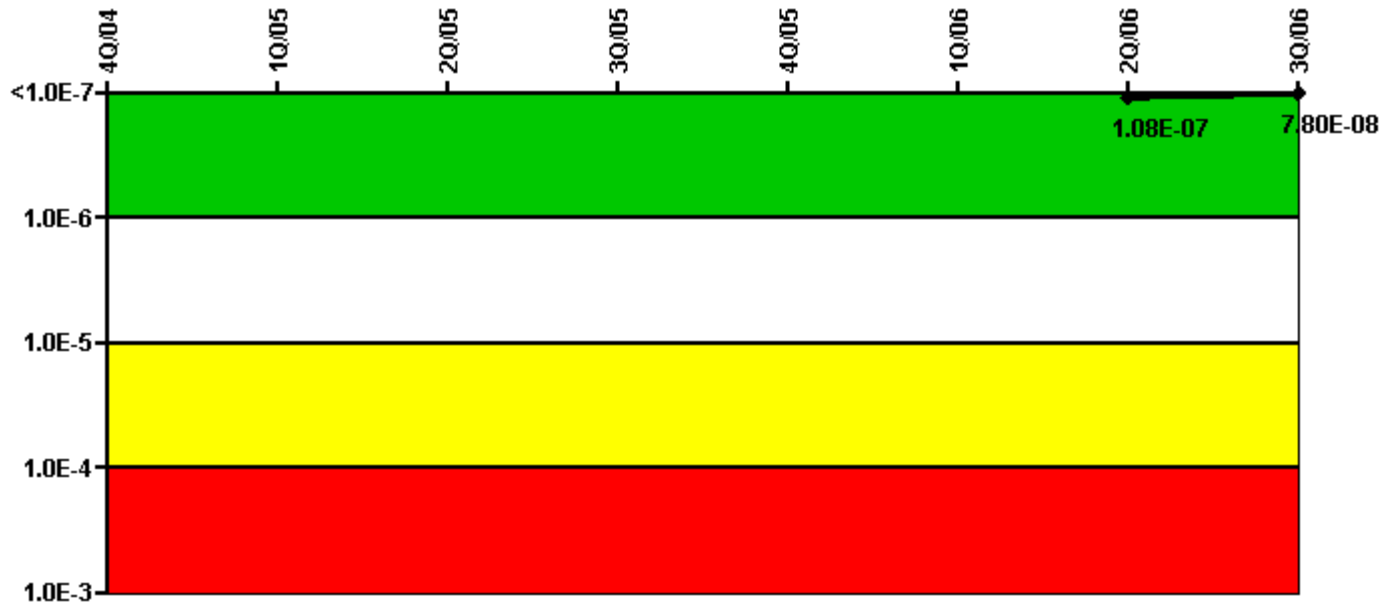
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							-1.00E-09	-1.20E-09
URI (Δ CDF)							1.60E-09	1.60E-09
PLE							NO	NO
Indicator value							6.00E-10	4.00E-10

Licensee Comments:

3Q/06: Prior unavailability data corrected in response to a minor NRC violation.

Mitigating Systems Performance Index, Heat Removal System



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

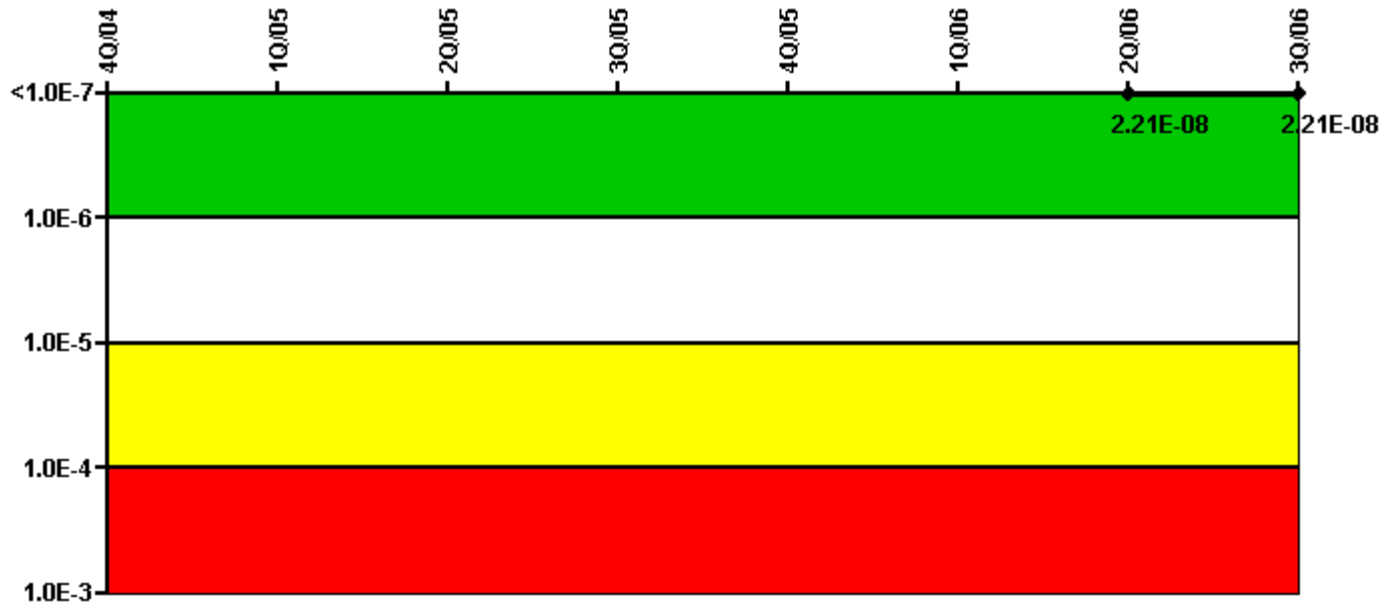
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							1.30E-07	1.00E-07
URI (Δ CDF)							-2.20E-08	-2.20E-08
PLE							NO	NO
Indicator value							1.08E-07	7.80E-08

Licensee Comments:

3Q/06: Prior MSPI failure changed from N to Y.

Mitigating Systems Performance Index, Residual Heat Removal System



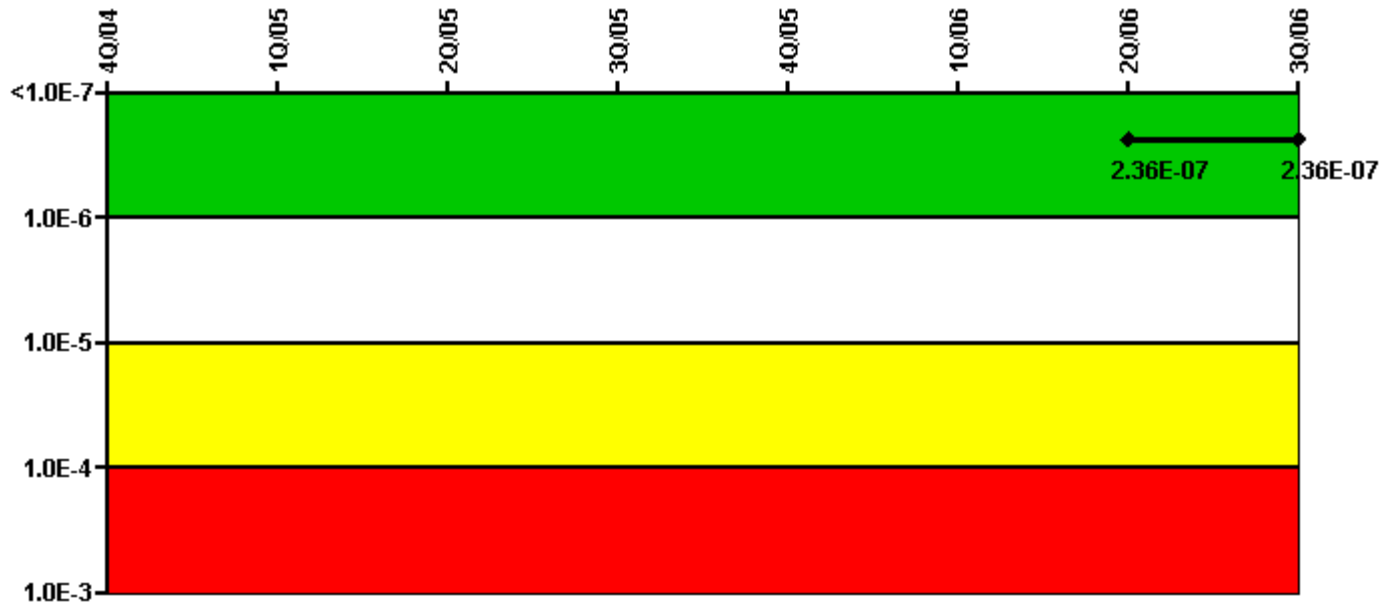
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							-5.90E-09	-5.90E-09
URI (Δ CDF)							2.80E-08	2.80E-08
PLE							NO	NO
Indicator value							2.21E-08	2.21E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

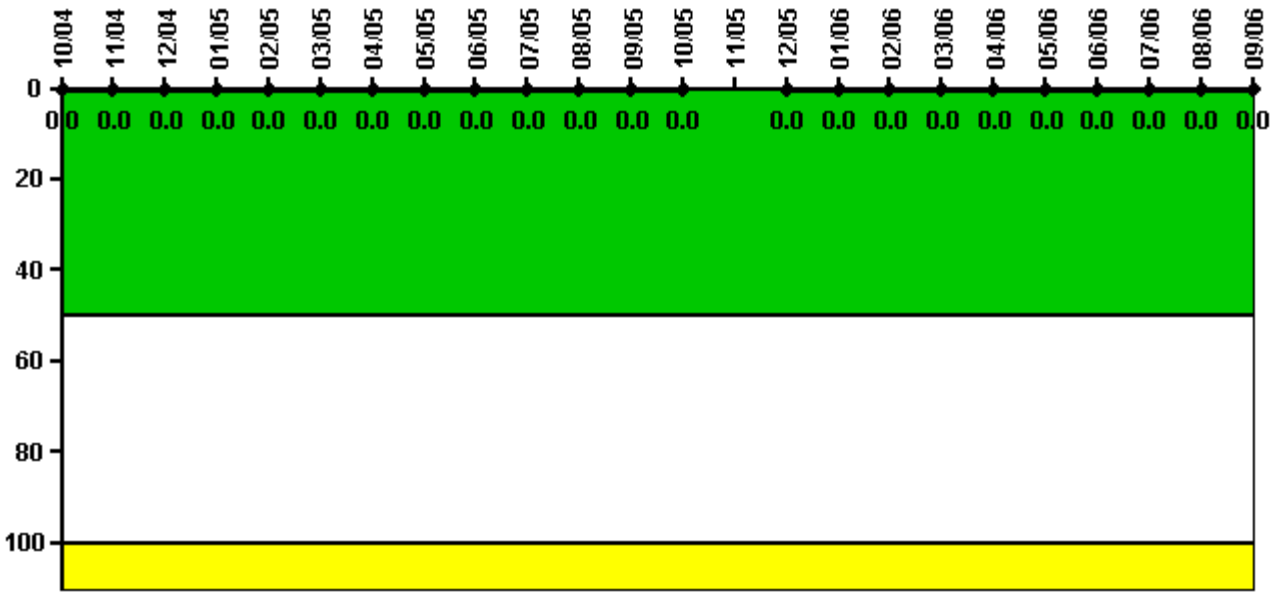
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-4.40E-08	-4.40E-08
URI (ΔCDF)							2.80E-07	2.80E-07
PLE							NO	NO
Indicator value							2.36E-07	2.36E-07

Licensee Comments:

3Q/06: Prior unavailability data corrected in response to a minor NRC violation.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

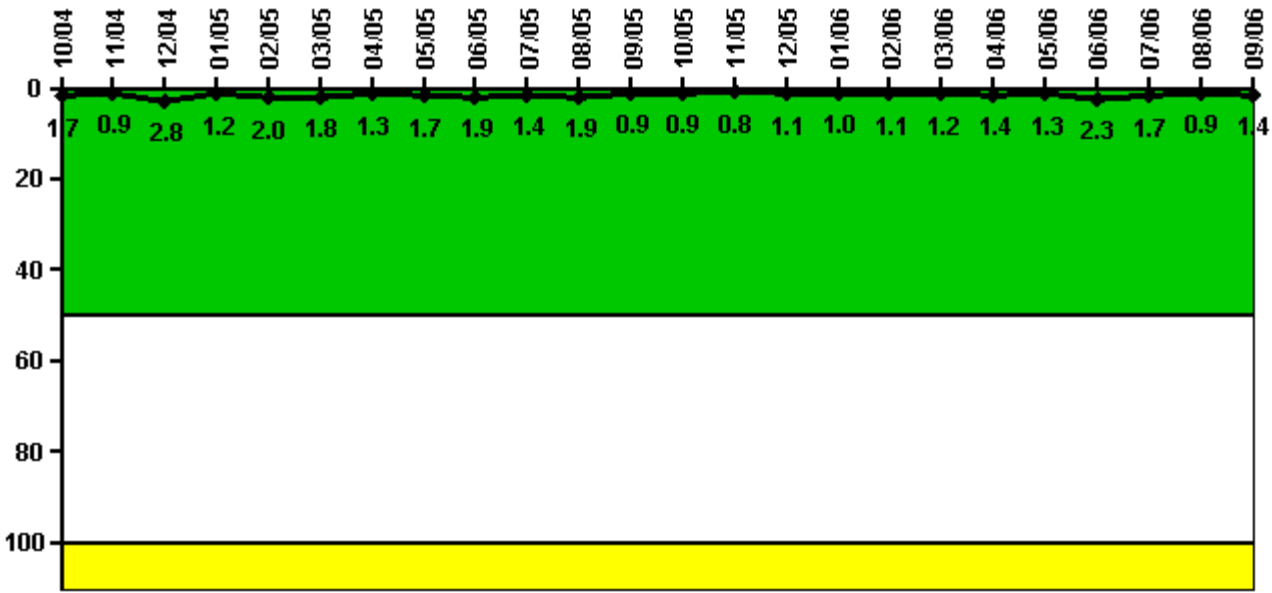
Notes

Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.000227	0.000316	0.000286	0.000236	0.000249	0.000248	0.000238	0.000256	0.000258	0.000268	0.000271	0.000273
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

Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.000284	N/A	0.000151	0.000167	0.000193	0.000175	0.000197	0.000206	0.000195	0.000212	0.000221	0.000222
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	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



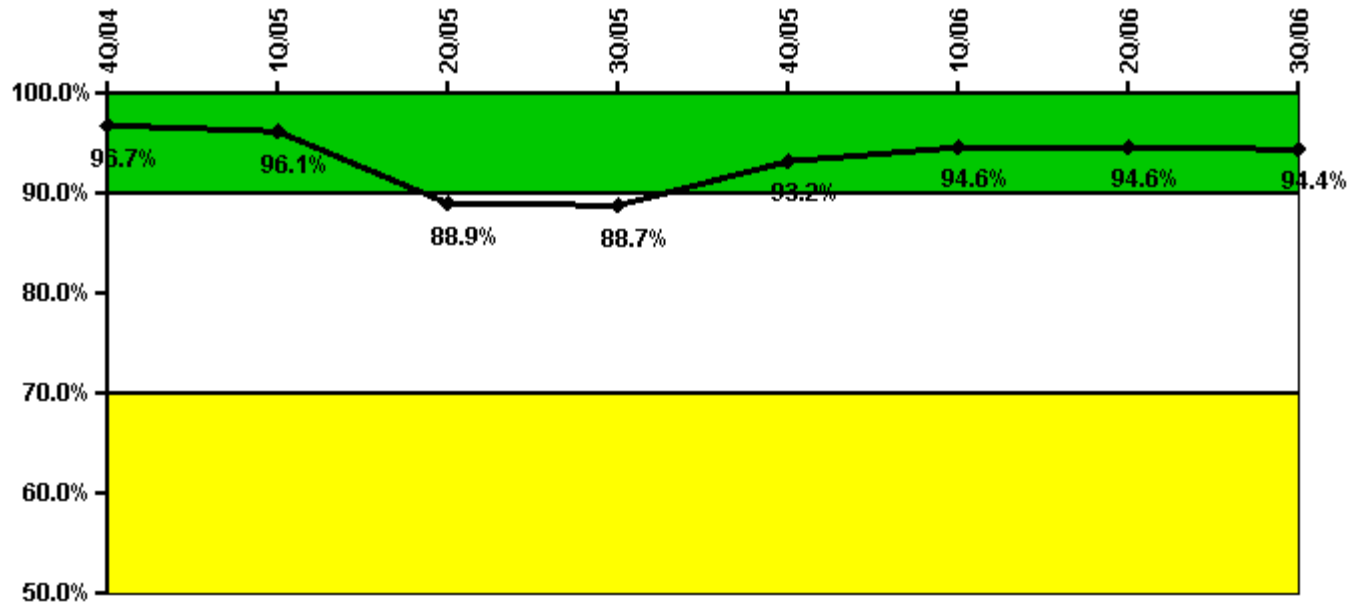
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.169	0.085	0.275	0.124	0.203	0.181	0.134	0.166	0.194	0.139	0.185	0.090
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	1.7	0.9	2.8	1.2	2.0	1.8	1.3	1.7	1.9	1.4	1.9	0.9
Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.091	0.077	0.106	0.097	0.105	0.122	0.140	0.128	0.233	0.168	0.093	0.136
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	0.9	0.8	1.1	1.0	1.1	1.2	1.4	1.3	2.3	1.7	0.9	1.4

Licensee Comments: none

Drill/Exercise Performance



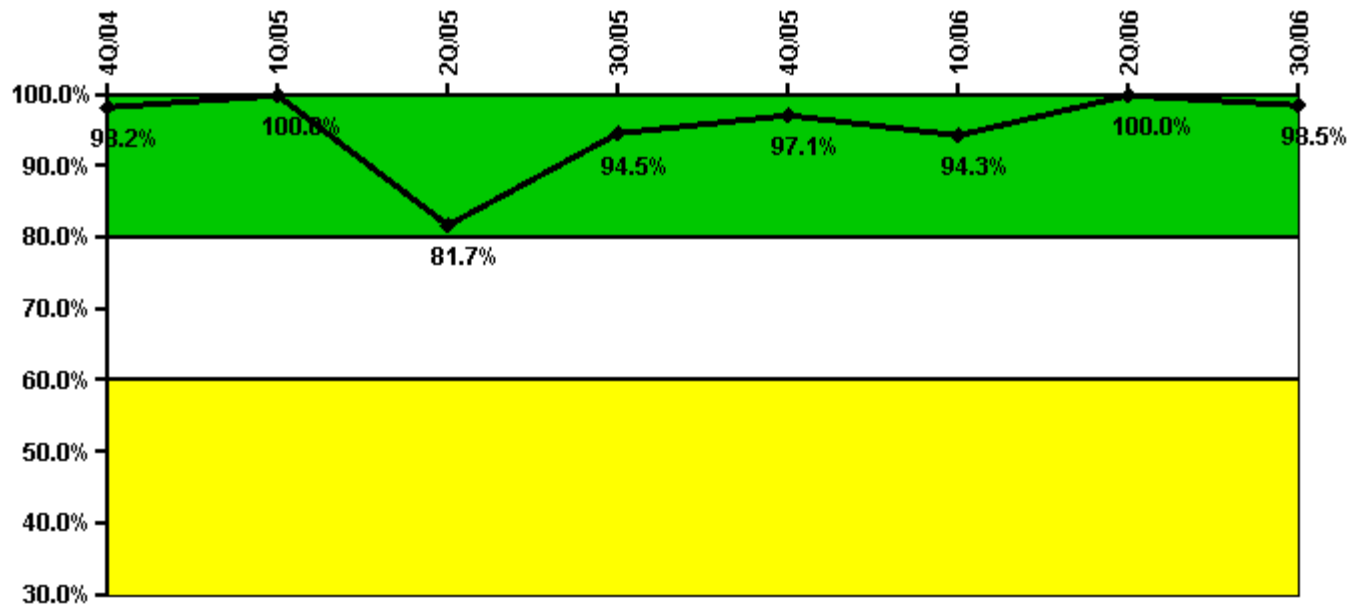
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	11.0	0	22.0	144.0	247.0	236.0	15.0	18.0
Total opportunities	12.0	0	33.0	162.0	250.0	241.0	16.0	20.0
Indicator value	96.7%	96.1%	88.9%	88.7%	93.2%	94.6%	94.6%	94.4%

Licensee Comments: none

ERO Drill Participation



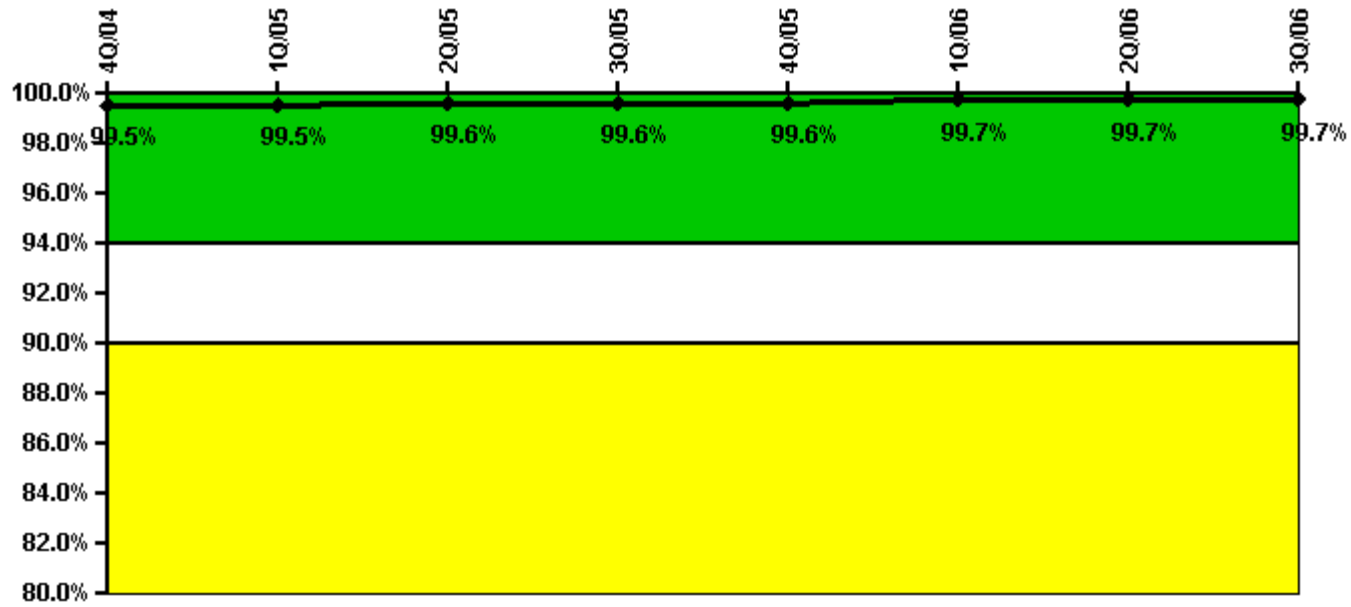
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	55.0	52.0	58.0	69.0	68.0	66.0	71.0	66.0
Total Key personnel	56.0	52.0	71.0	73.0	70.0	70.0	71.0	67.0
Indicator value	98.2%	100.0%	81.7%	94.5%	97.1%	94.3%	100.0%	98.5%

Licensee Comments: none

Alert & Notification System



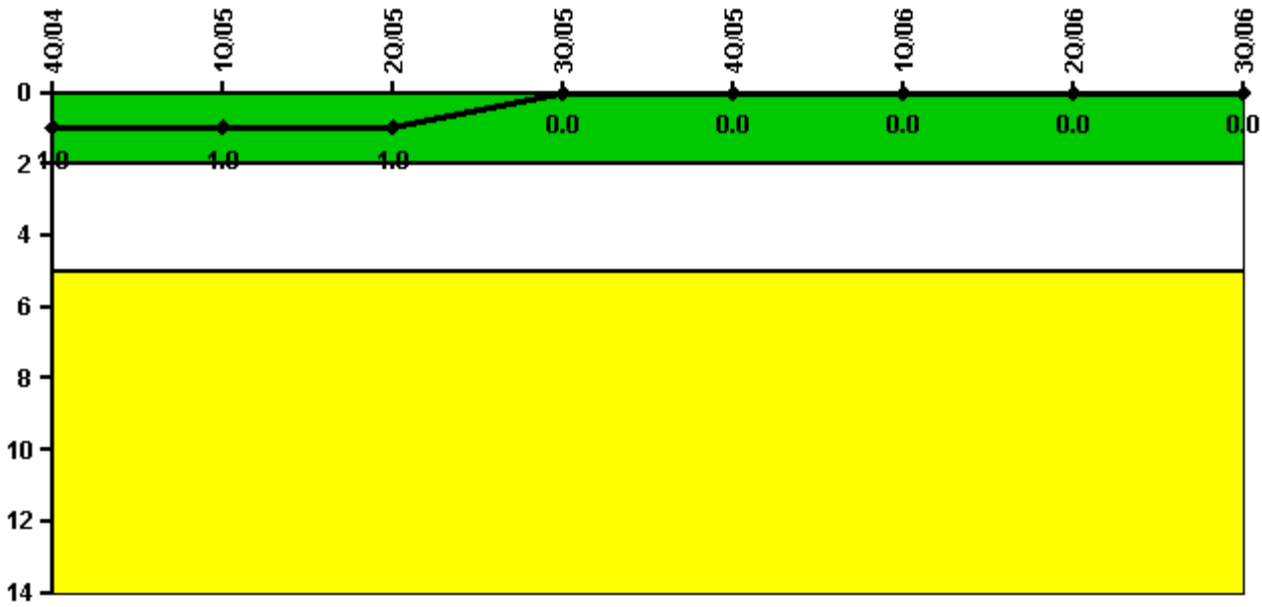
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	911	1043	910	1302	905	1043	916	1307
Total sirens-tests	917	1048	910	1306	911	1045	917	1310
Indicator value	99.5%	99.5%	99.6%	99.6%	99.6%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



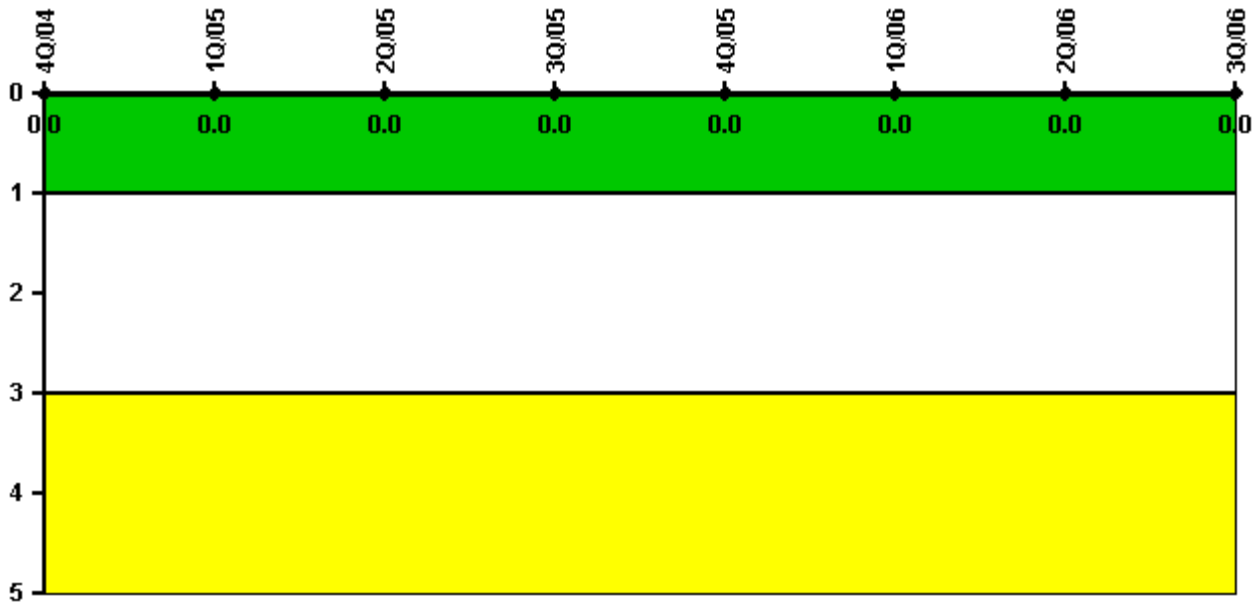
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
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	1	1	1	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

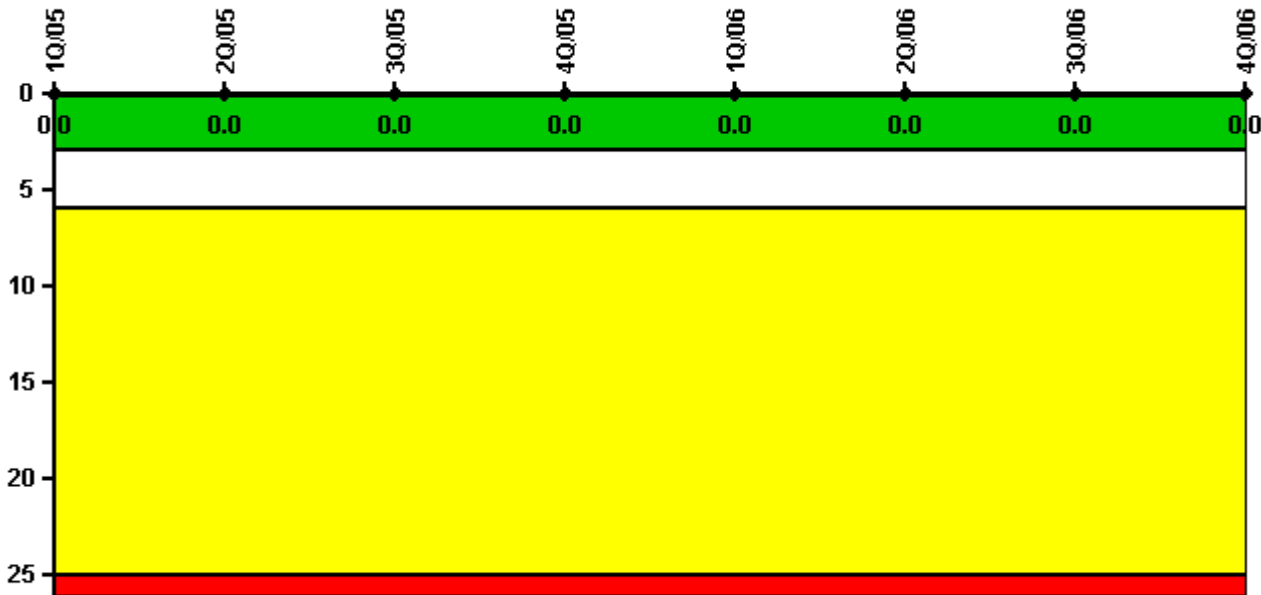
[Physical Protection](#) information not publicly available.

Diablo Canyon 1

4Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



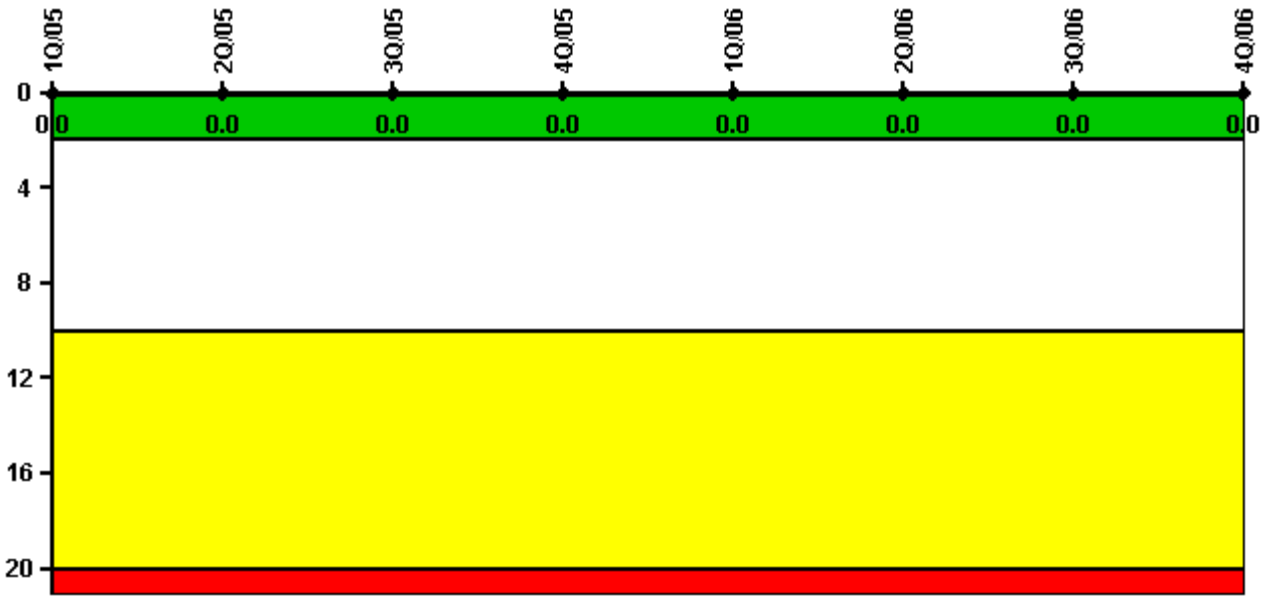
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1303.5	2160.0	2183.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



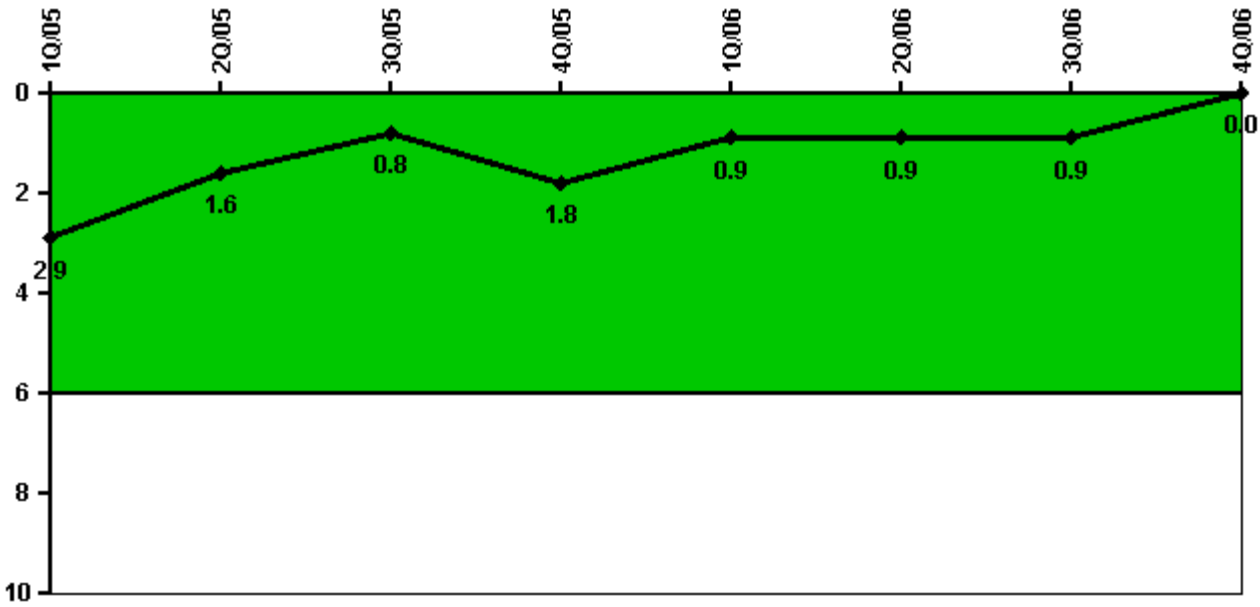
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



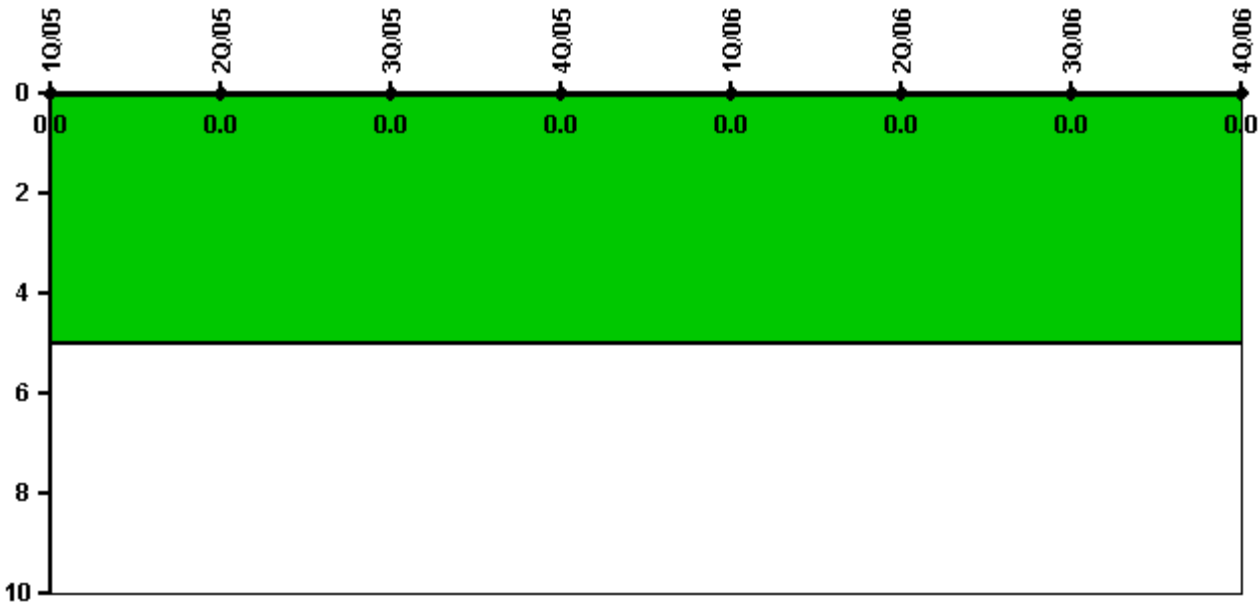
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1303.5	2160.0	2183.0	2208.0	2209.0
Indicator value	2.9	1.6	0.8	1.8	0.9	0.9	0.9	0

Licensee Comments: none

Safety System Functional Failures (PWR)



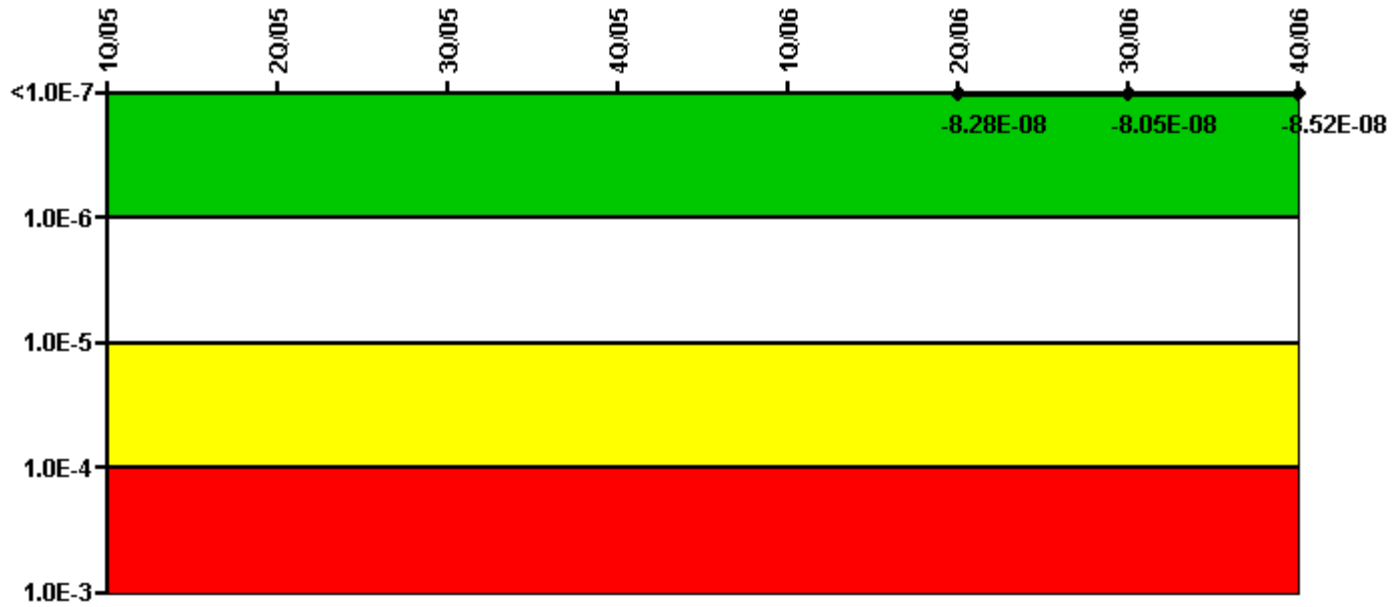
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



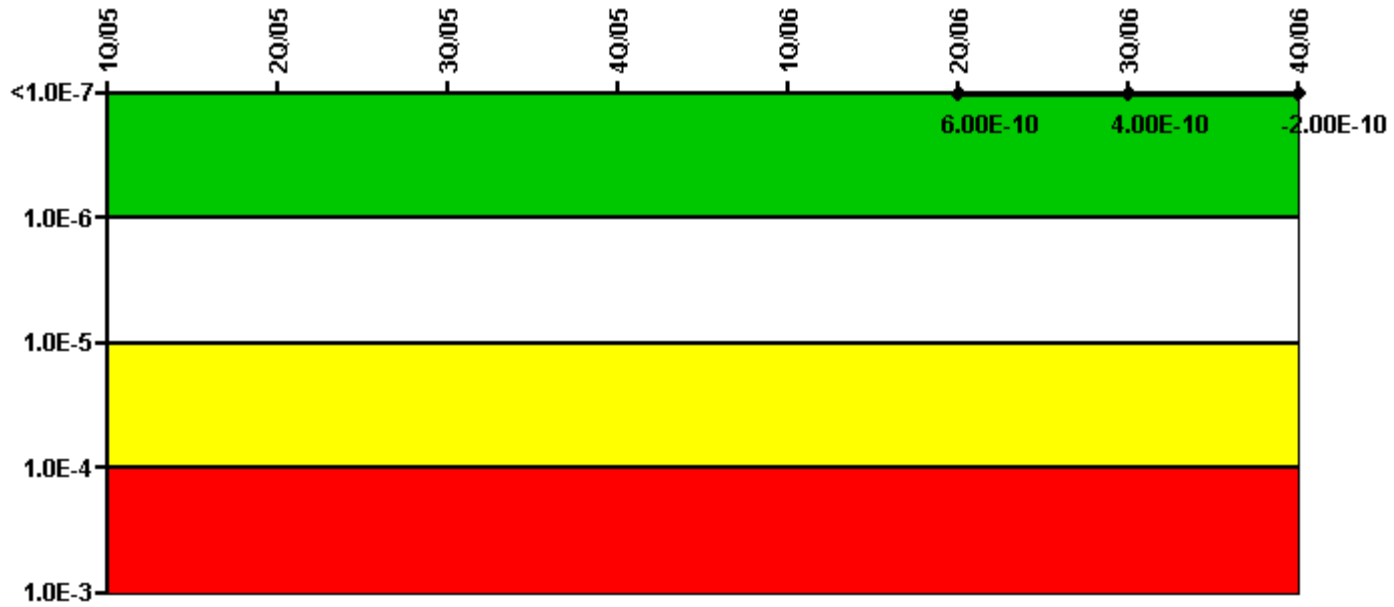
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						3.20E-09	5.50E-09	7.80E-10
URI (Δ CDF)						-8.60E-08	-8.60E-08	-8.60E-08
PLE						NO	NO	NO
Indicator value						-8.28E-08	-8.05E-08	-8.52E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



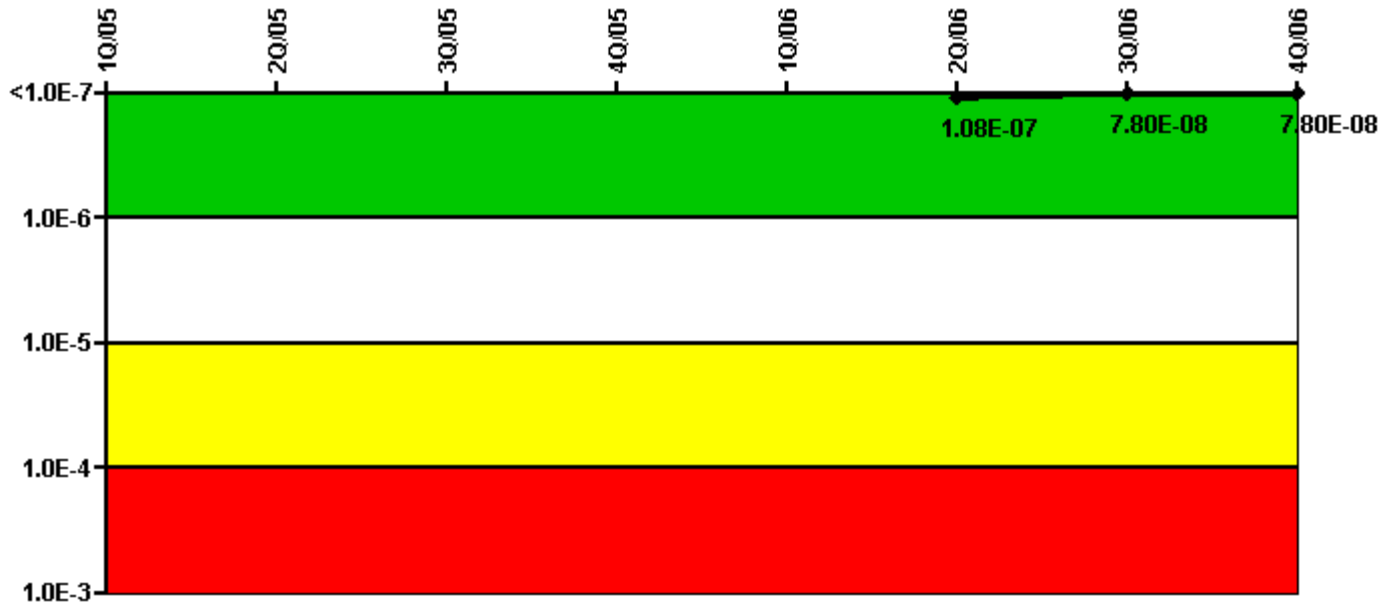
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-1.00E-09	-1.20E-09	-1.80E-09
URI (ΔCDF)						1.60E-09	1.60E-09	1.60E-09
PLE						NO	NO	NO
Indicator value						6.00E-10	4.00E-10	-2.00E-10

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



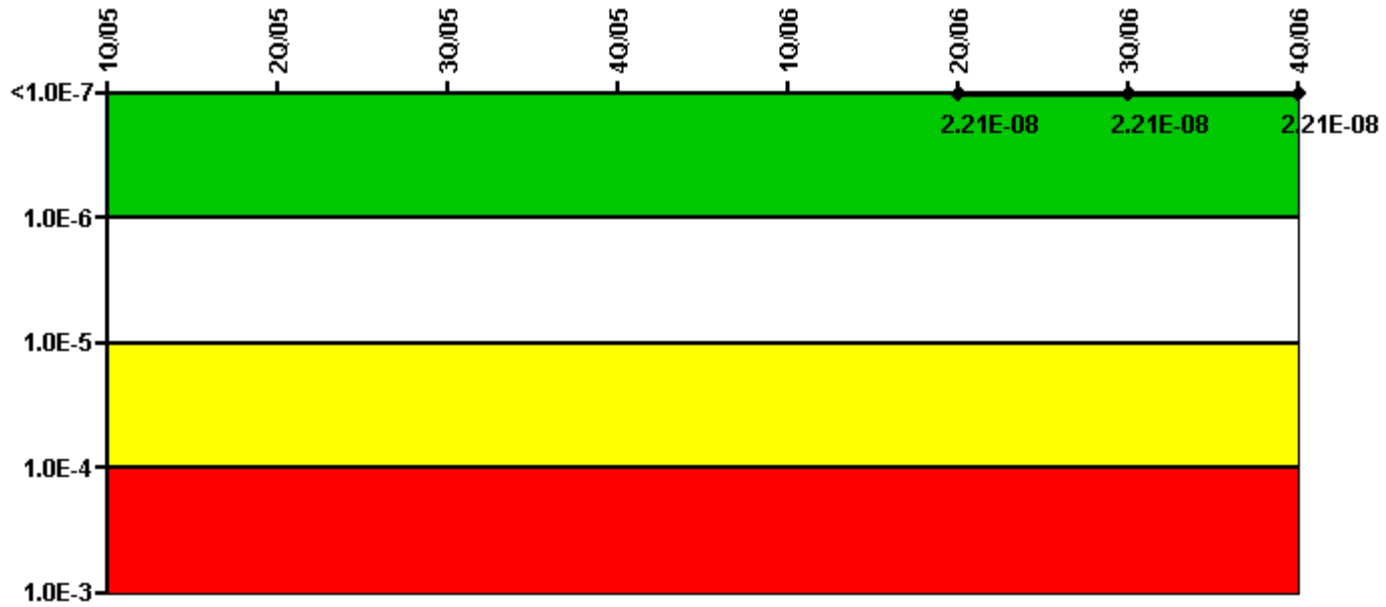
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						1.30E-07	1.00E-07	1.00E-07
URI (ΔCDF)						-2.20E-08	-2.20E-08	-2.20E-08
PLE						NO	NO	NO
Indicator value						1.08E-07	7.80E-08	7.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



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

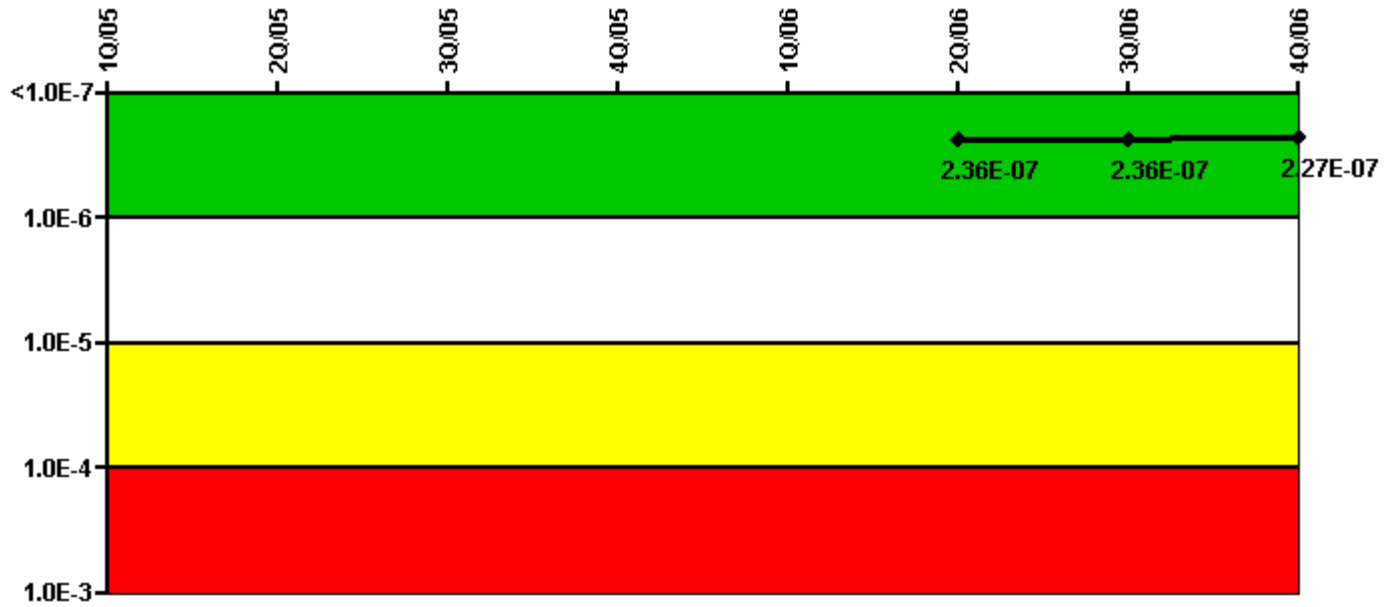
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						-5.90E-09	-5.90E-09	-5.90E-09
URI (Δ CDF)						2.80E-08	2.80E-08	2.80E-08
PLE						NO	NO	NO
Indicator value						2.21E-08	2.21E-08	2.21E-08

Licensee Comments:

3Q/06: Changed PRA Parameter(s). Changed train 2 baseline planned unavailability from 4.78E-03 to 4.01E-03.

Mitigating Systems Performance Index, Cooling Water Systems



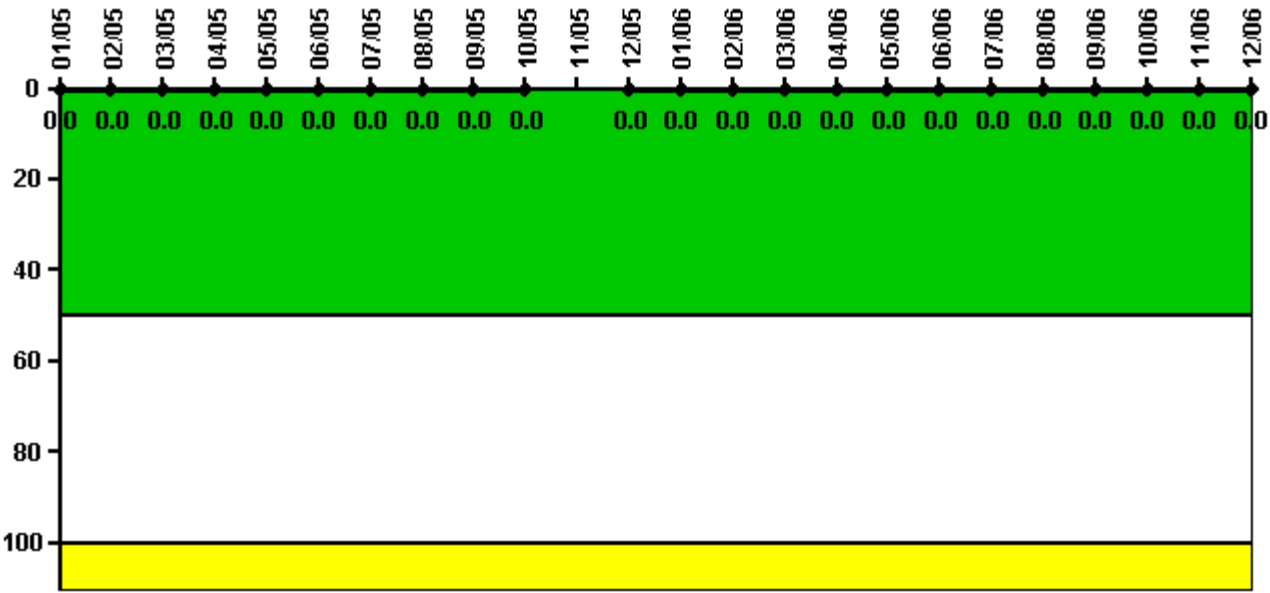
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-4.40E-08	-4.40E-08	-5.30E-08
URI (ΔCDF)						2.80E-07	2.80E-07	2.80E-07
PLE						NO	NO	NO
Indicator value						2.36E-07	2.36E-07	2.27E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

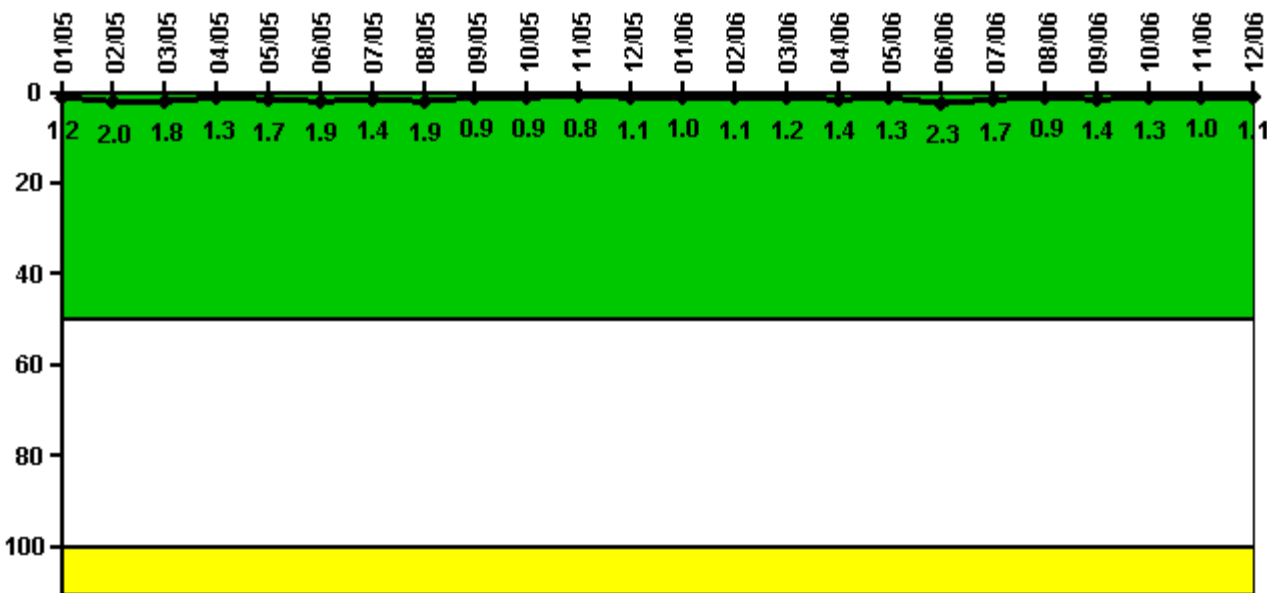
Notes

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.000236	0.000249	0.000248	0.000238	0.000256	0.000258	0.000268	0.000271	0.000273	0.000284	N/A	0.000151
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	N/A	0

Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.000167	0.000193	0.000175	0.000197	0.000206	0.000195	0.000212	0.000221	0.000222	0.000227	0.000232	0.000242
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

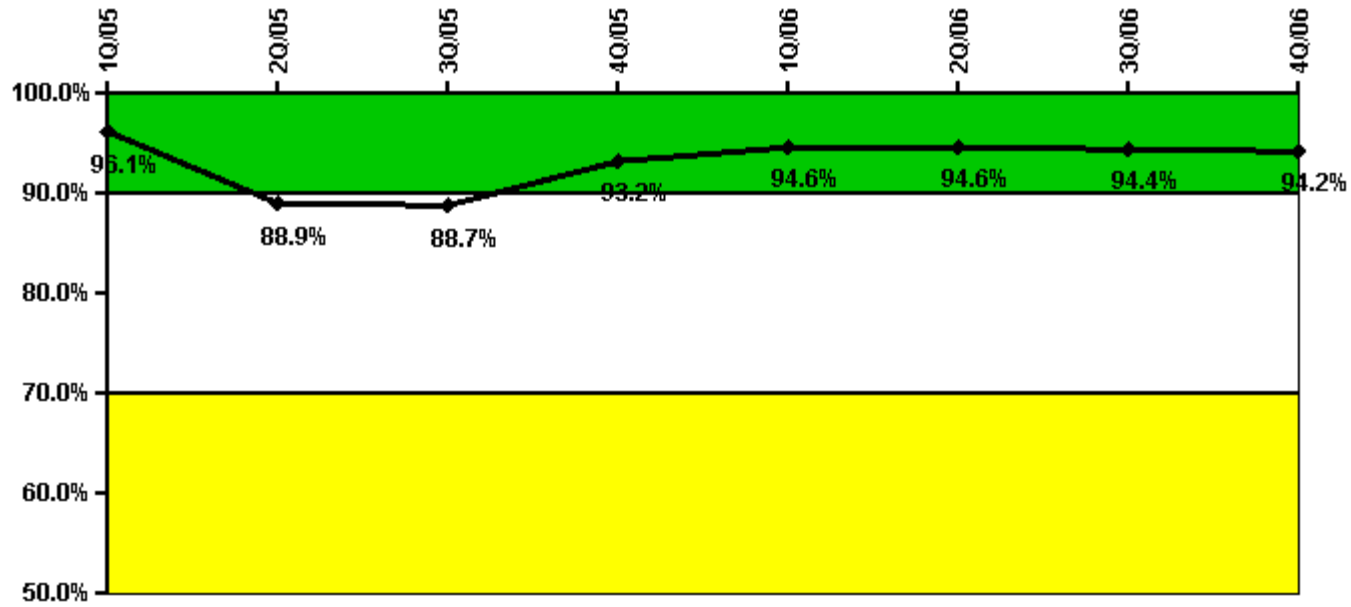
Notes

Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.124	0.203	0.181	0.134	0.166	0.194	0.139	0.185	0.090	0.091	0.077	0.106
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	1.2	2.0	1.8	1.3	1.7	1.9	1.4	1.9	0.9	0.9	0.8	1.1

Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.097	0.105	0.122	0.140	0.128	0.233	0.168	0.093	0.136	0.130	0.095	0.107
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	1.0	1.1	1.2	1.4	1.3	2.3	1.7	0.9	1.4	1.3	1.0	1.1

Licensee Comments: none

Drill/Exercise Performance



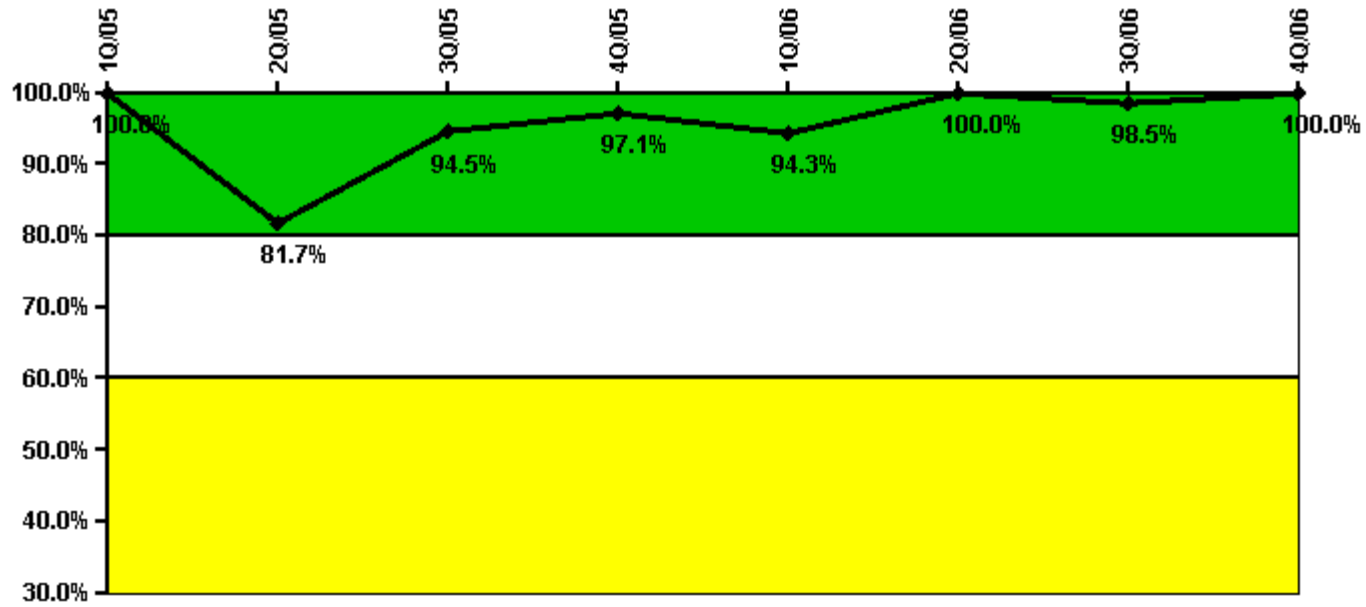
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	0	22.0	144.0	247.0	236.0	15.0	18.0	27.0
Total opportunities	0	33.0	162.0	250.0	241.0	16.0	20.0	31.0
Indicator value	96.1%	88.9%	88.7%	93.2%	94.6%	94.6%	94.4%	94.2%

Licensee Comments: none

ERO Drill Participation



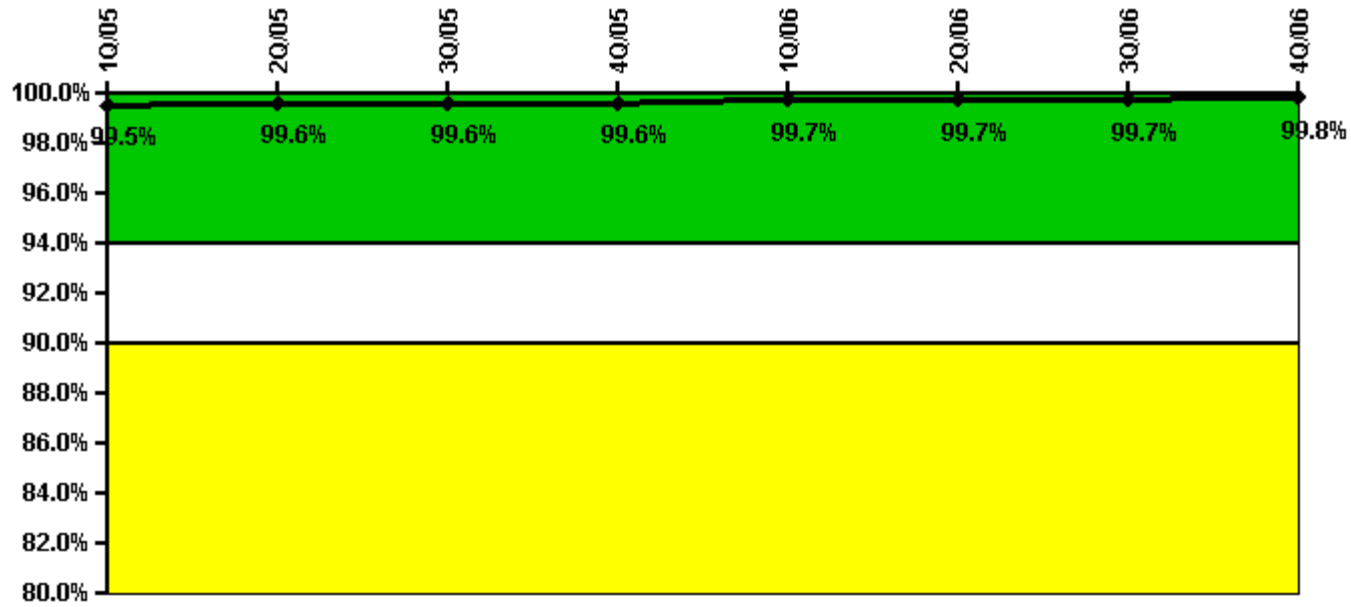
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	52.0	58.0	69.0	68.0	66.0	71.0	66.0	69.0
Total Key personnel	52.0	71.0	73.0	70.0	70.0	71.0	67.0	69.0
Indicator value	100.0%	81.7%	94.5%	97.1%	94.3%	100.0%	98.5%	100.0%

Licensee Comments: none

Alert & Notification System



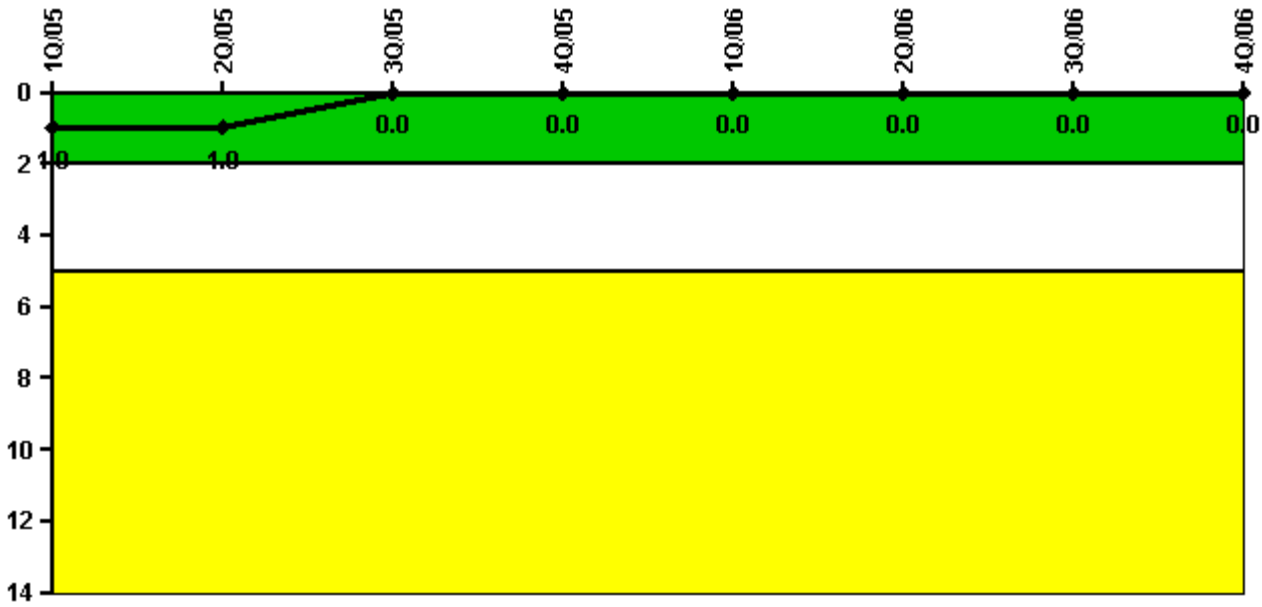
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	1043	910	1302	905	1043	916	1307	913
Total sirens-tests	1048	910	1306	911	1045	917	1310	917
Indicator value	99.5%	99.6%	99.6%	99.6%	99.7%	99.7%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



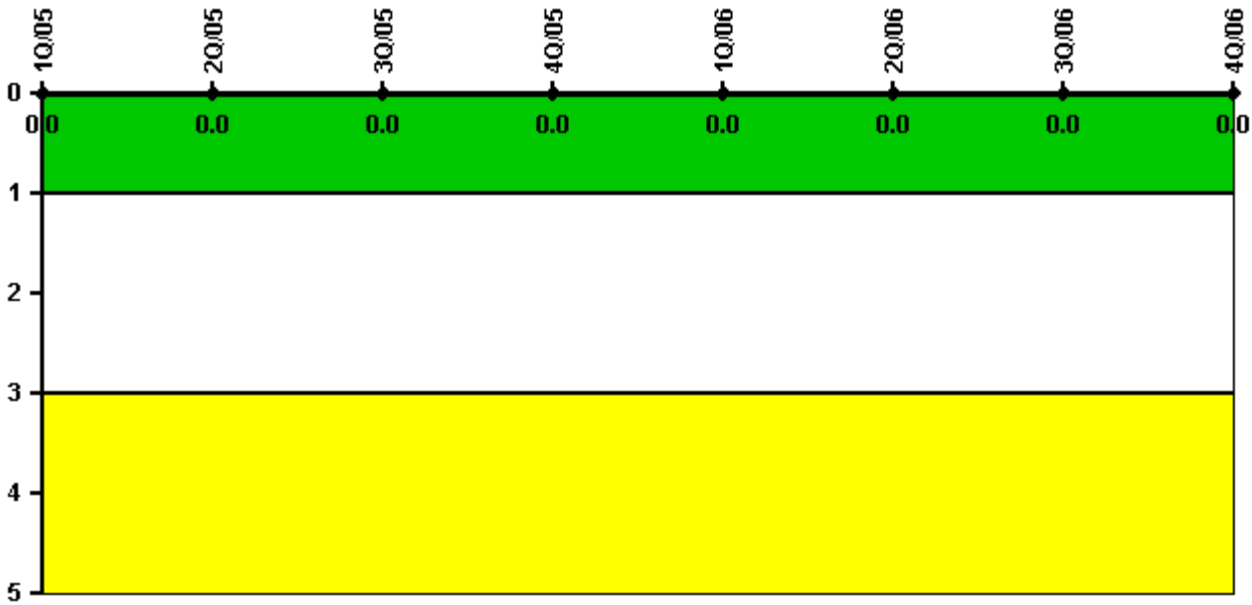
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
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	1	1	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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

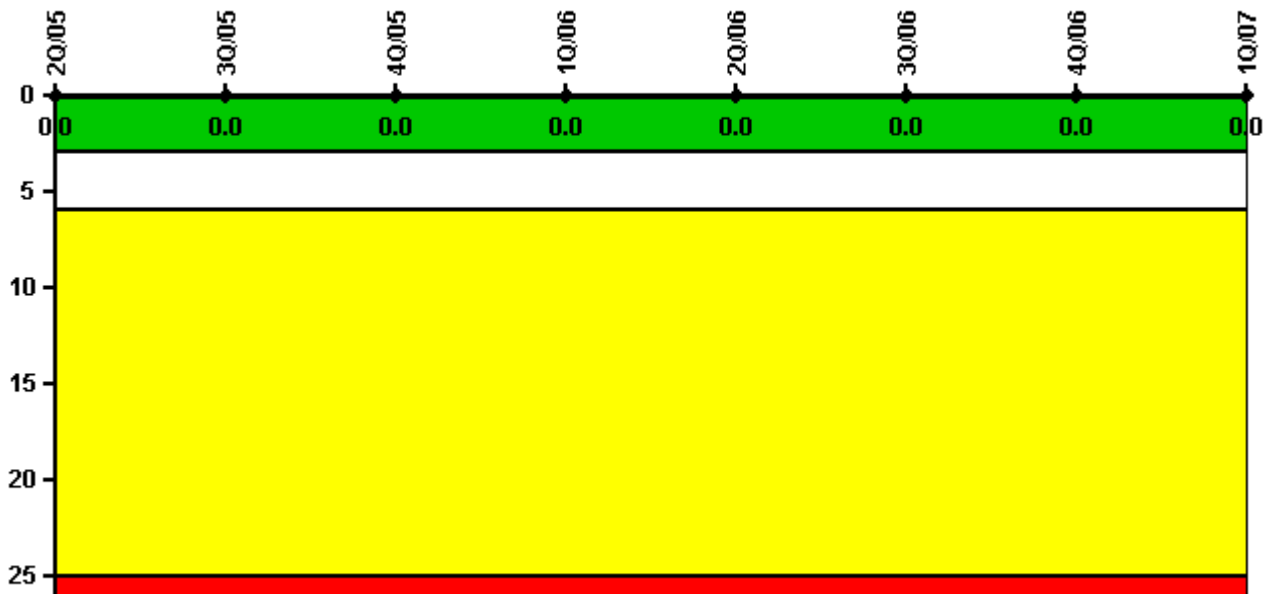
[Physical Protection](#) information not publicly available.

Diablo Canyon 1

1Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



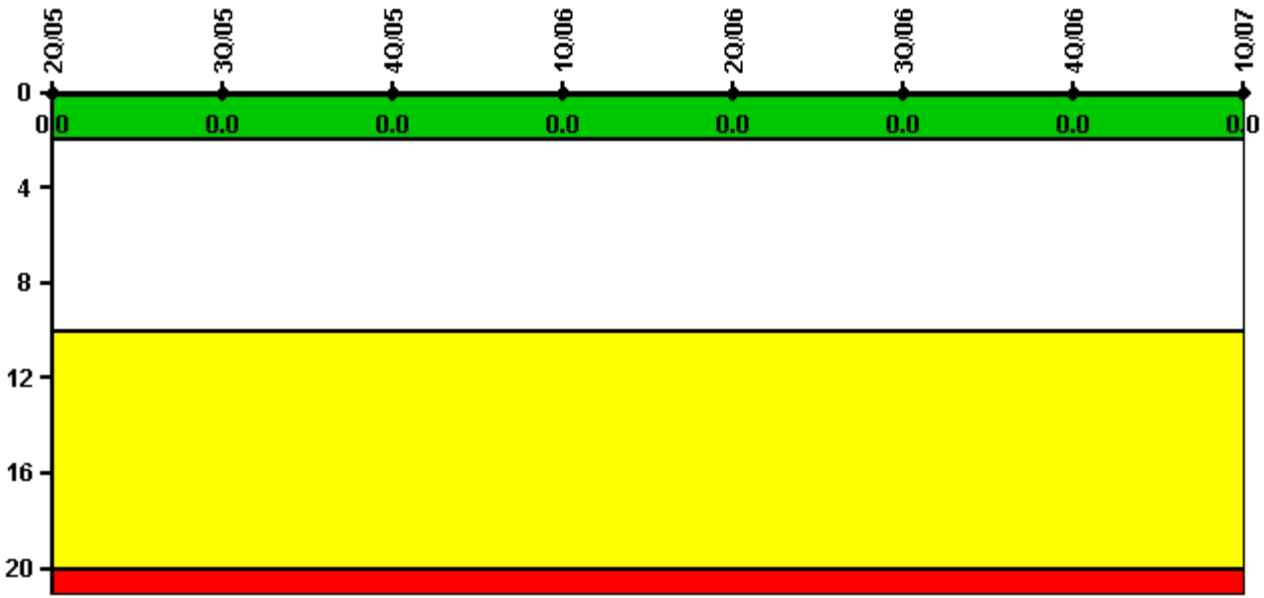
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1303.5	2160.0	2183.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



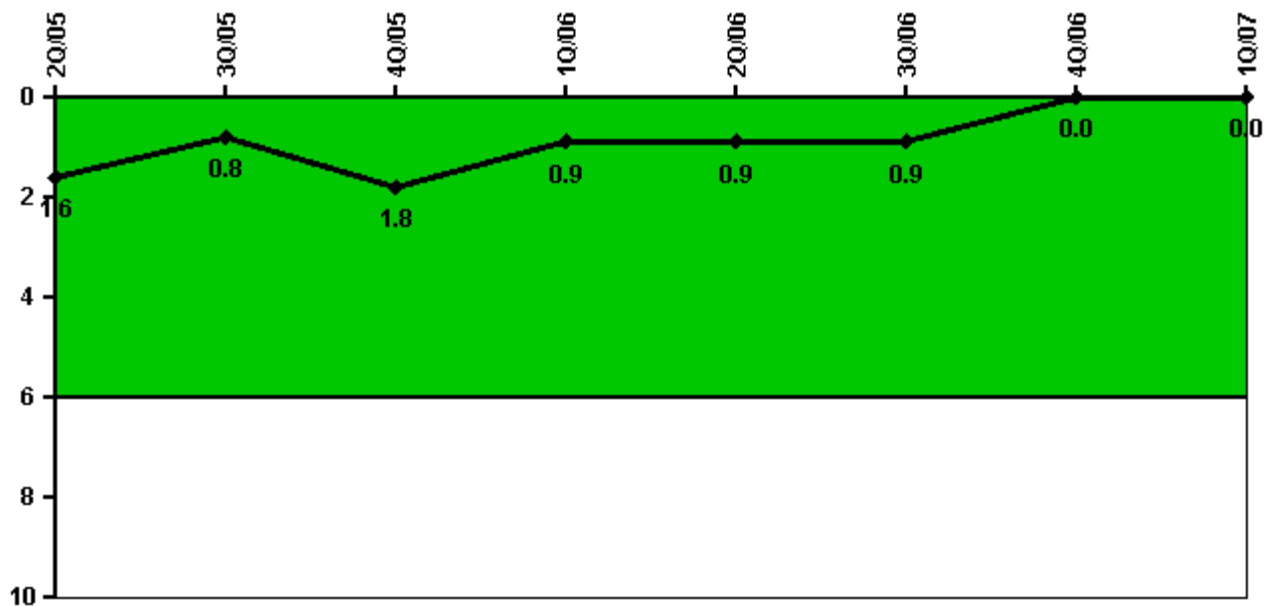
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



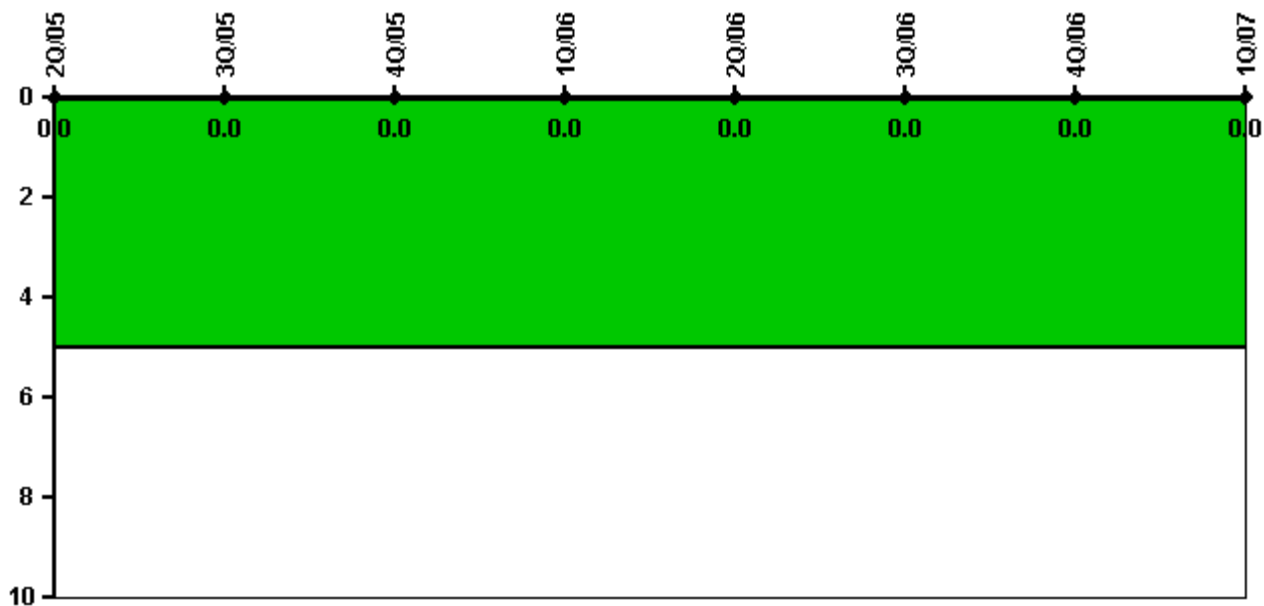
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2208.0	1303.5	2160.0	2183.0	2208.0	2209.0	2159.0
Indicator value	1.6	0.8	1.8	0.9	0.9	0.9	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



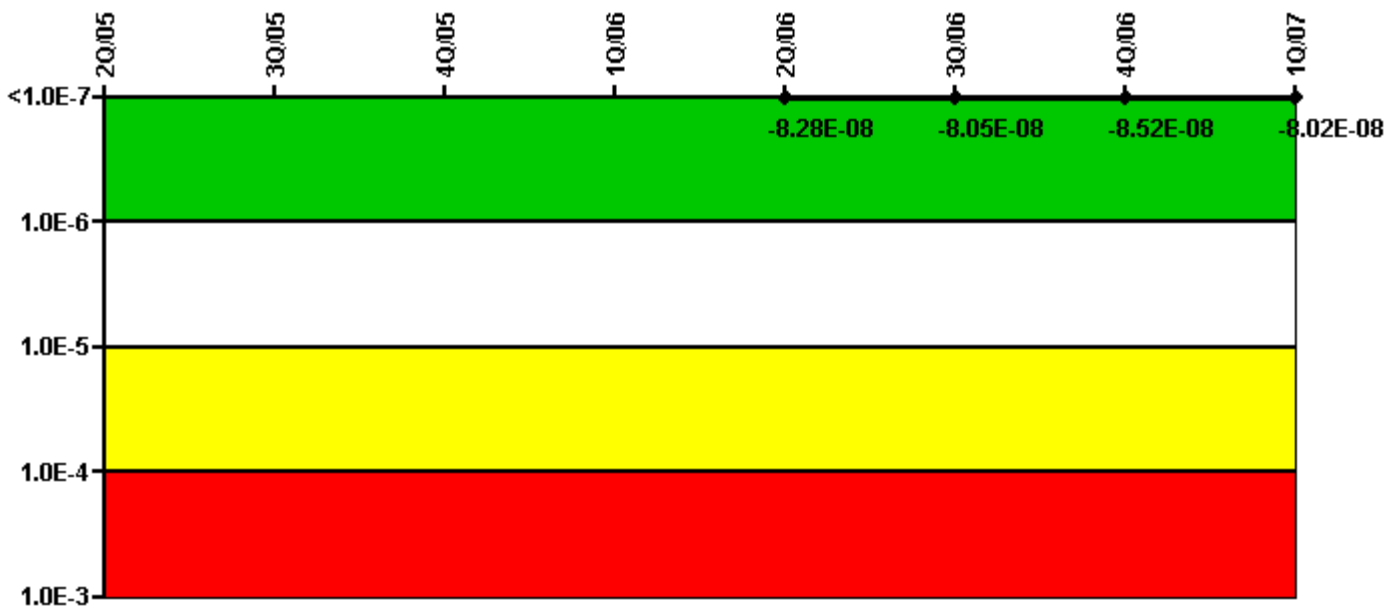
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



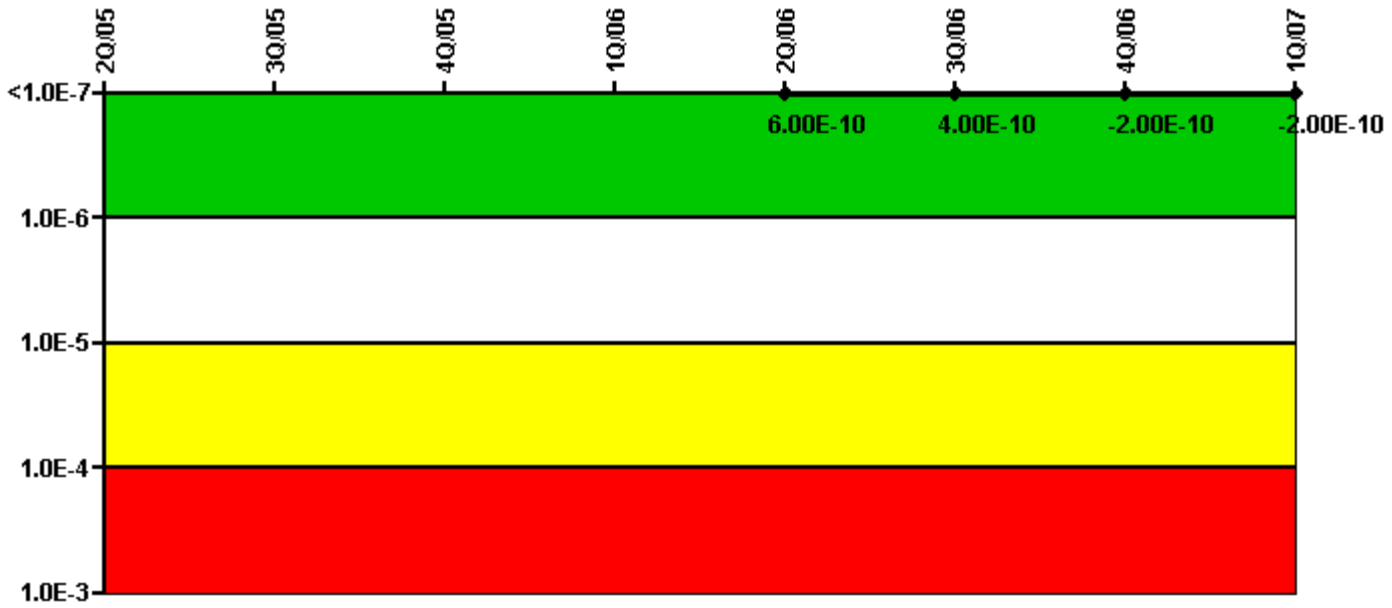
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					3.20E-09	5.50E-09	7.80E-10	5.80E-09
URI (Δ CDF)					-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08
PLE					NO	NO	NO	NO
Indicator value					-8.28E-08	-8.05E-08	-8.52E-08	-8.02E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



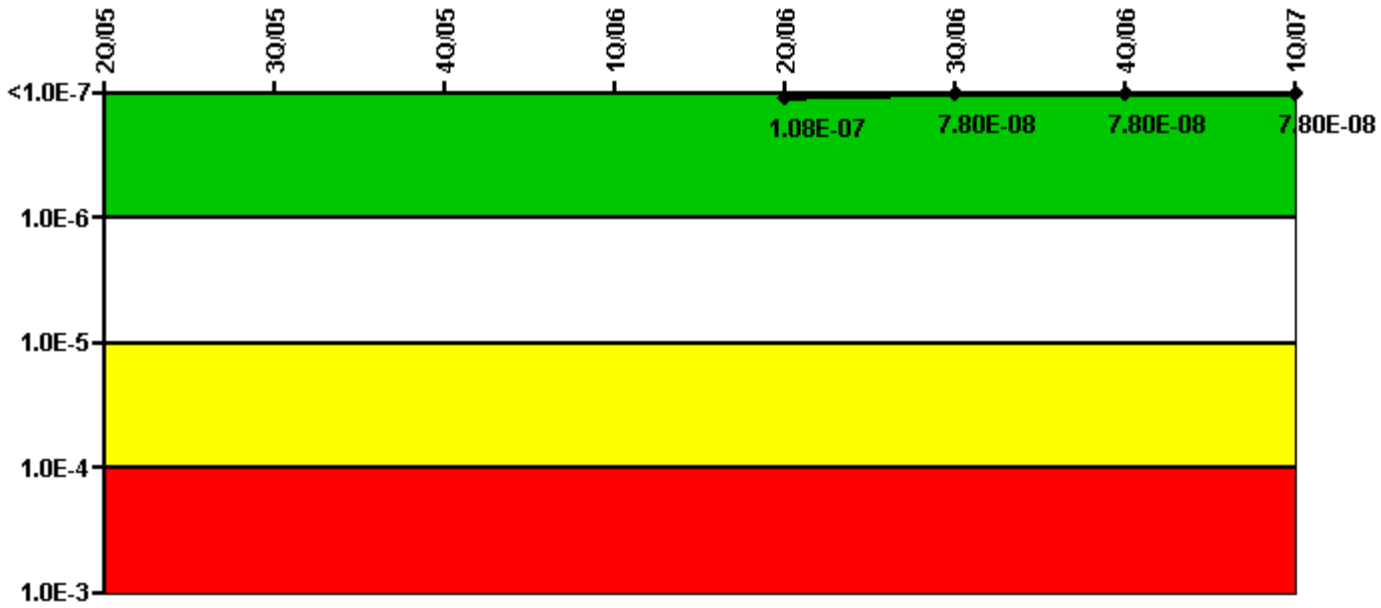
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-1.00E-09	-1.20E-09	-1.80E-09	-1.80E-09
URI (ΔCDF)					1.60E-09	1.60E-09	1.60E-09	1.60E-09
PLE					NO	NO	NO	NO
Indicator value					6.00E-10	4.00E-10	-2.00E-10	-2.00E-10

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



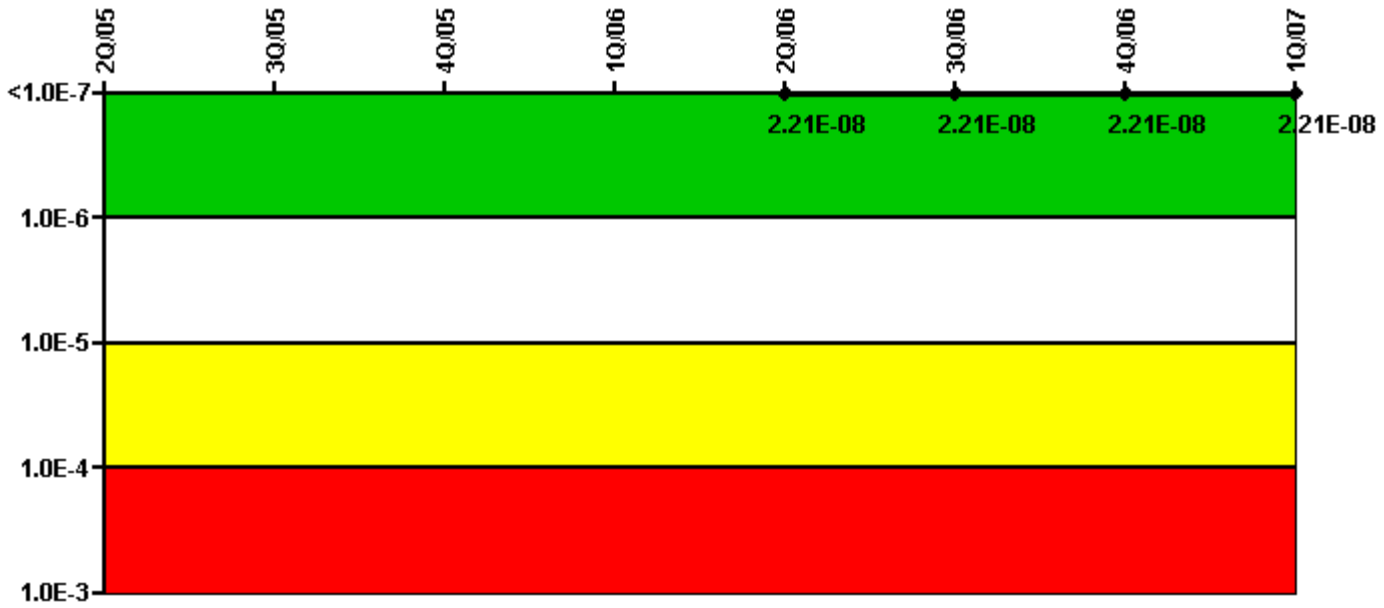
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					1.30E-07	1.00E-07	1.00E-07	1.00E-07
URI (Δ CDF)					-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE					NO	NO	NO	NO
Indicator value					1.08E-07	7.80E-08	7.80E-08	7.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



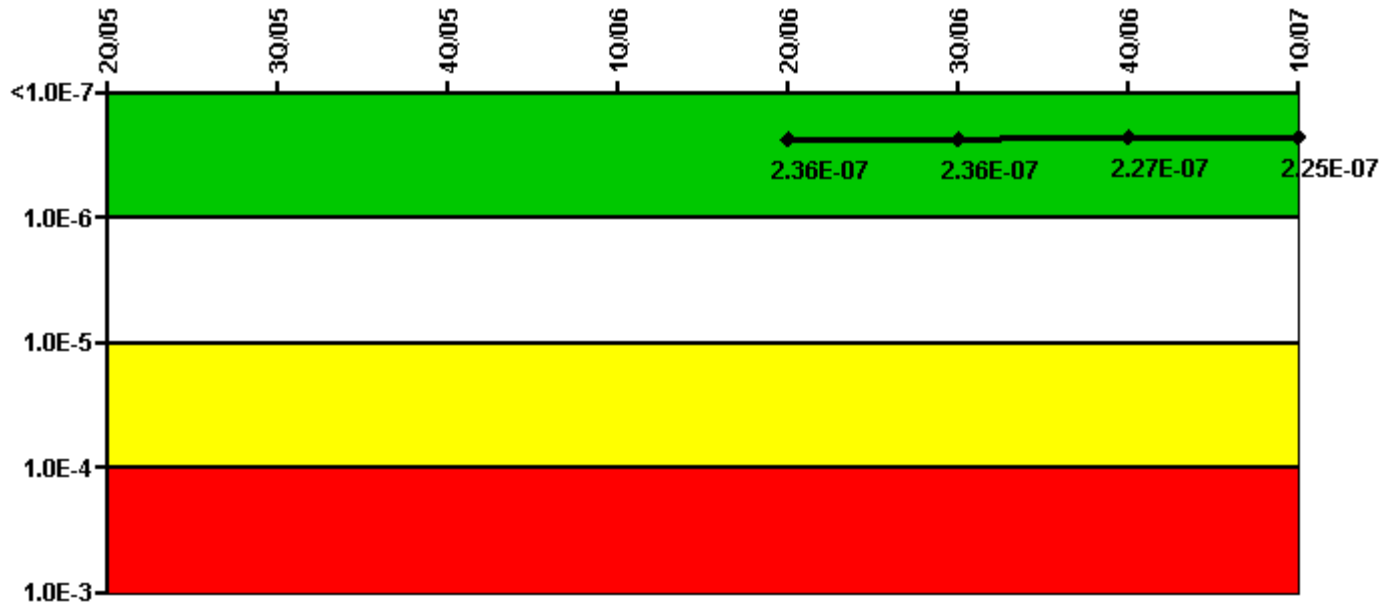
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09
URI (ΔCDF)					2.80E-08	2.80E-08	2.80E-08	2.80E-08
PLE					NO	NO	NO	NO
Indicator value					2.21E-08	2.21E-08	2.21E-08	2.21E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



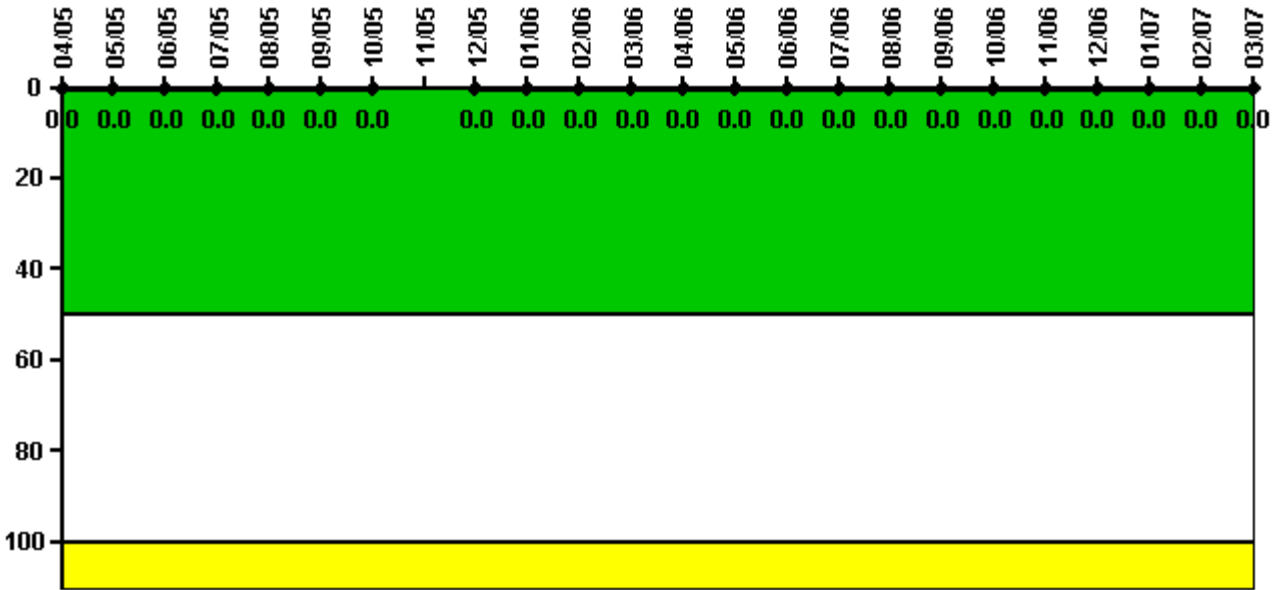
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					-4.40E-08	-4.40E-08	-5.30E-08	-5.50E-08
URI (Δ CDF)					2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE					NO	NO	NO	NO
Indicator value					2.36E-07	2.36E-07	2.27E-07	2.25E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

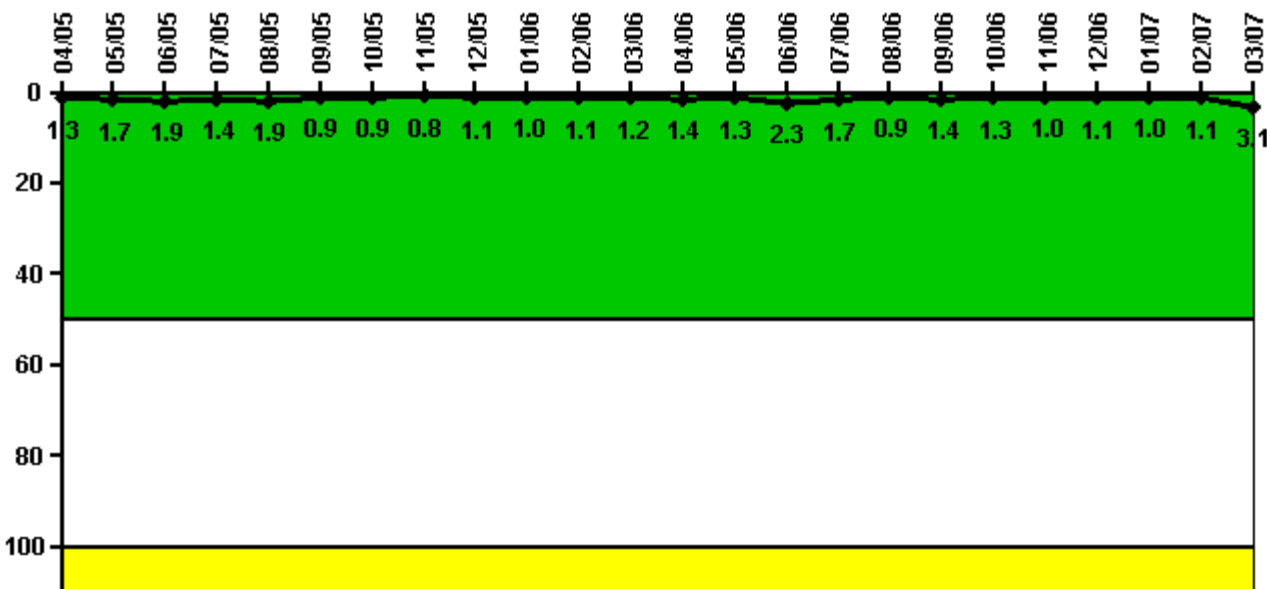
Notes

Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0.000238	0.000256	0.000258	0.000268	0.000271	0.000273	0.000284	N/A	0.000151	0.000167	0.000193	0.000175
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	N/A	0	0	0	0

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.000197	0.000206	0.000195	0.000212	0.000221	0.000222	0.000227	0.000232	0.000242	0.000276	0.000248	0.000301
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



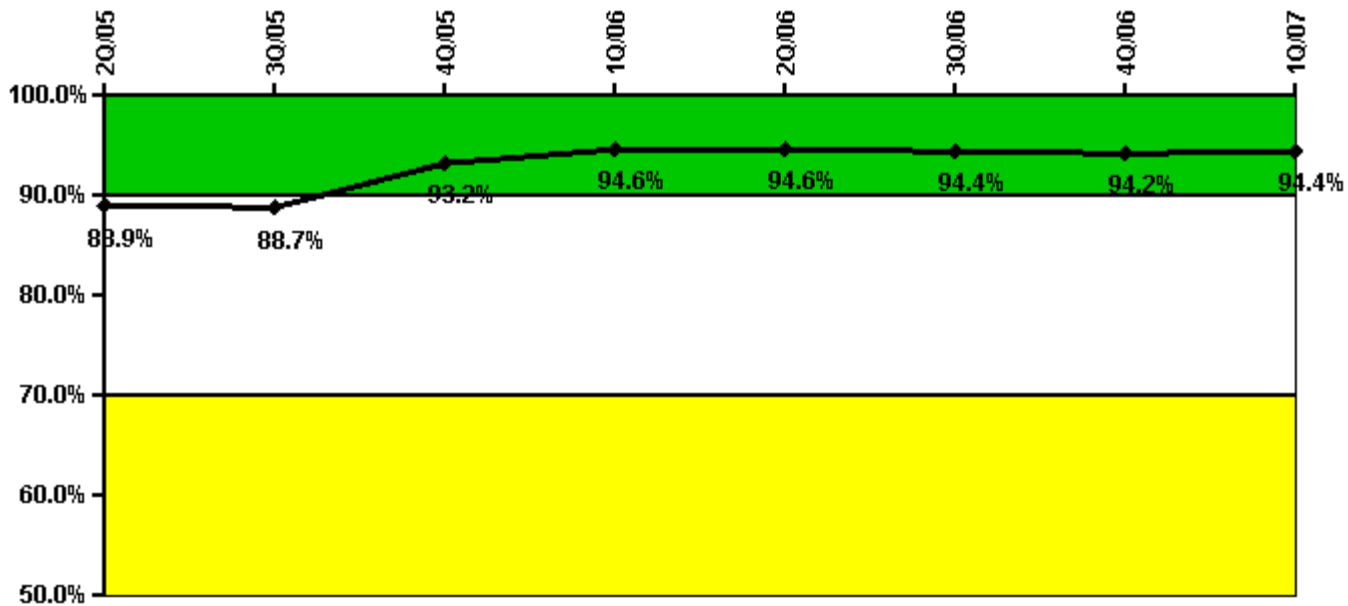
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.134	0.166	0.194	0.139	0.185	0.090	0.091	0.077	0.106	0.097	0.105	0.122
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	1.3	1.7	1.9	1.4	1.9	0.9	0.9	0.8	1.1	1.0	1.1	1.2
Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.140	0.128	0.233	0.168	0.093	0.136	0.130	0.095	0.107	0.100	0.112	0.309
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	1.4	1.3	2.3	1.7	0.9	1.4	1.3	1.0	1.1	1.0	1.1	3.1

Licensee Comments: none

Drill/Exercise Performance



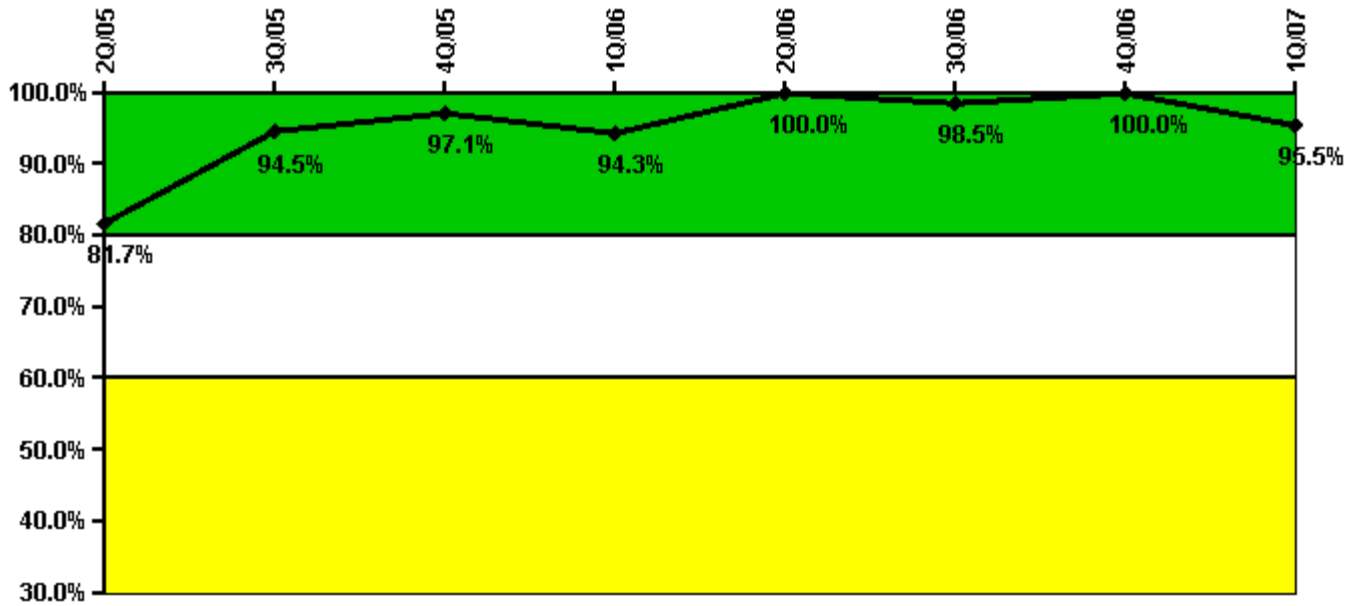
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	22.0	144.0	247.0	236.0	15.0	18.0	27.0	31.0
Total opportunities	33.0	162.0	250.0	241.0	16.0	20.0	31.0	31.0
Indicator value	88.9%	88.7%	93.2%	94.6%	94.6%	94.4%	94.2%	94.4%

Licensee Comments: none

ERO Drill Participation



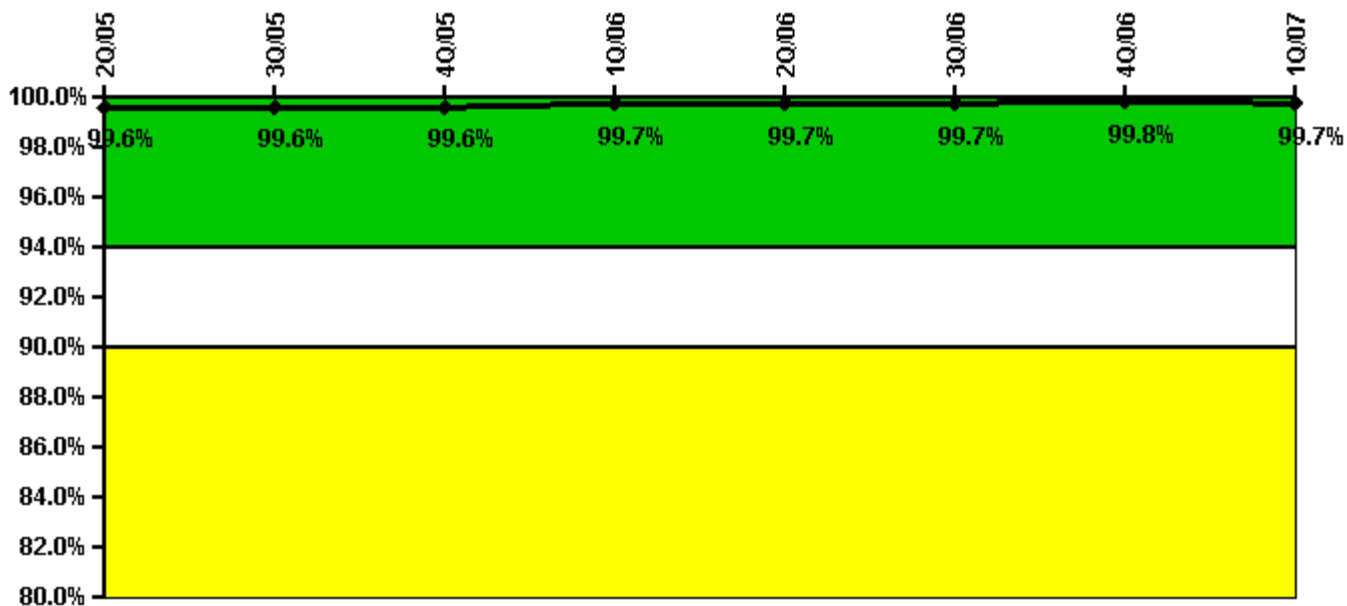
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	58.0	69.0	68.0	66.0	71.0	66.0	69.0	64.0
Total Key personnel	71.0	73.0	70.0	70.0	71.0	67.0	69.0	67.0
Indicator value	81.7%	94.5%	97.1%	94.3%	100.0%	98.5%	100.0%	95.5%

Licensee Comments: none

Alert & Notification System



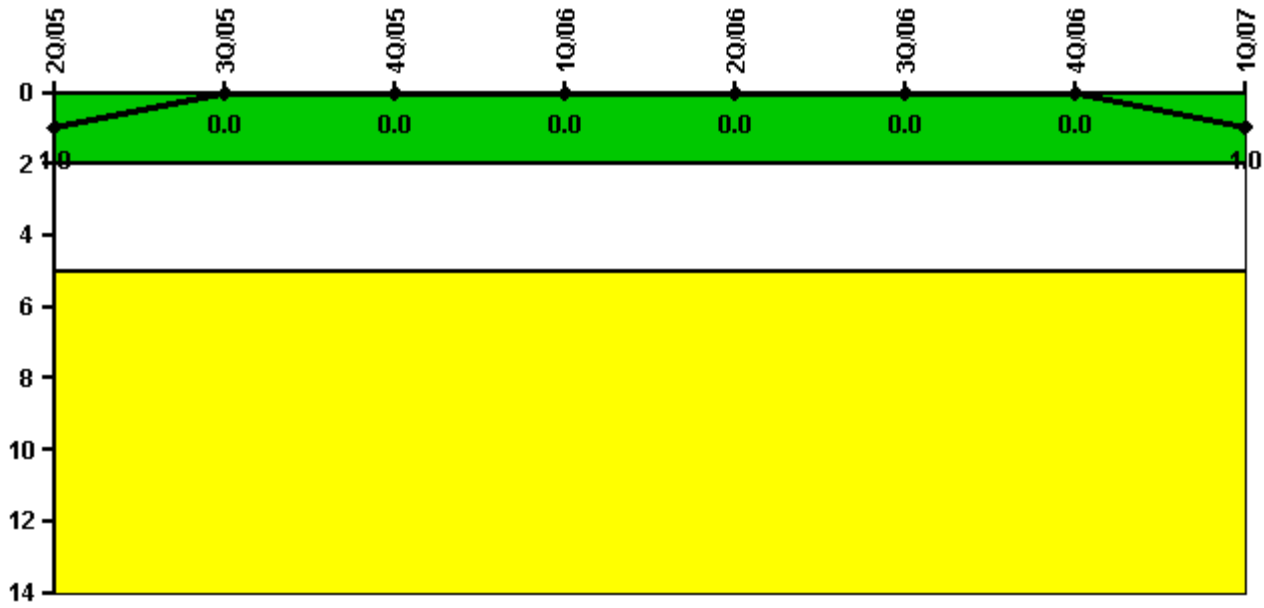
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	910	1302	905	1043	916	1307	913	1045
Total sirens-tests	910	1306	911	1045	917	1310	917	1048
Indicator value	99.6%	99.6%	99.6%	99.7%	99.7%	99.7%	99.8%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



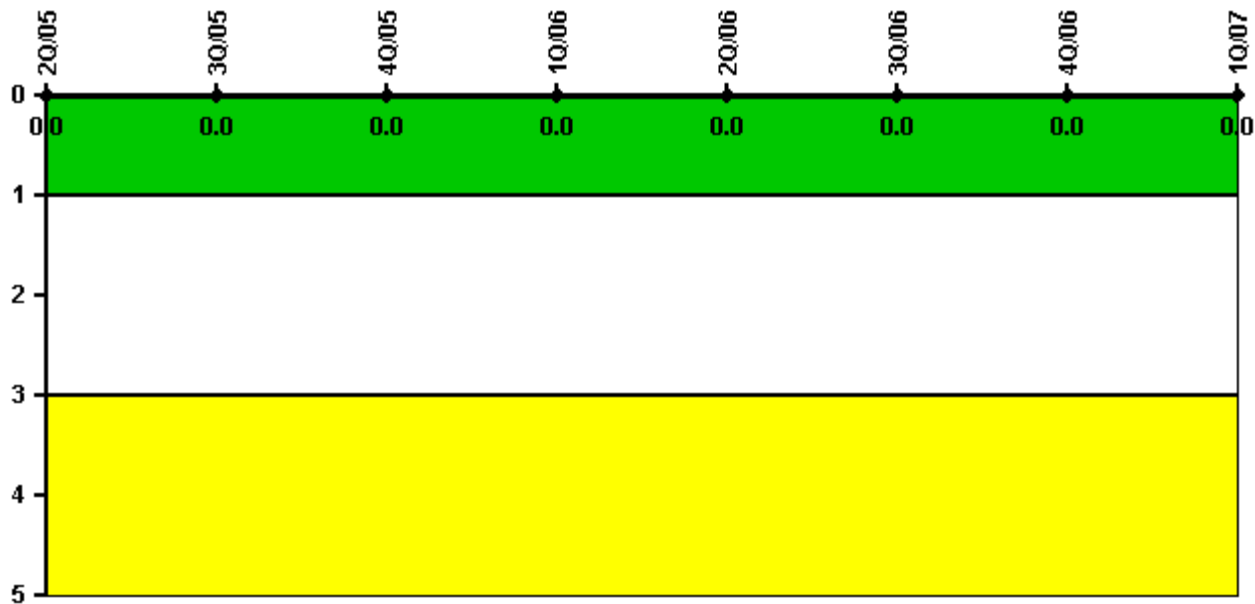
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	1
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	1	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/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

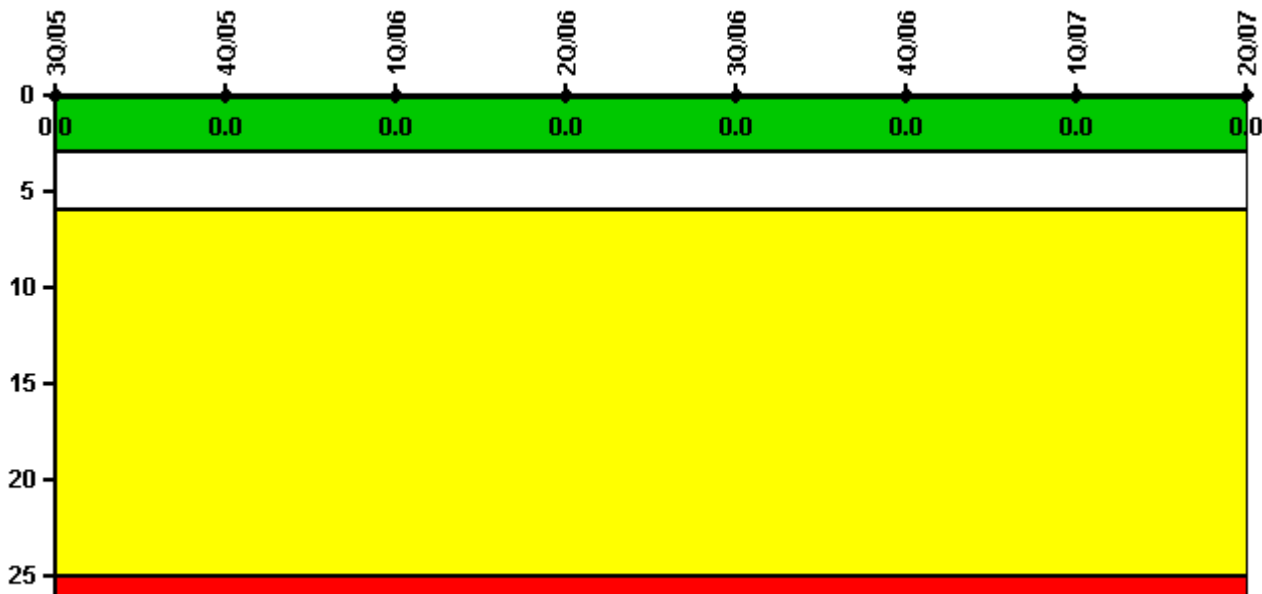
[Physical Protection](#) information not publicly available.

Diablo Canyon 1

2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



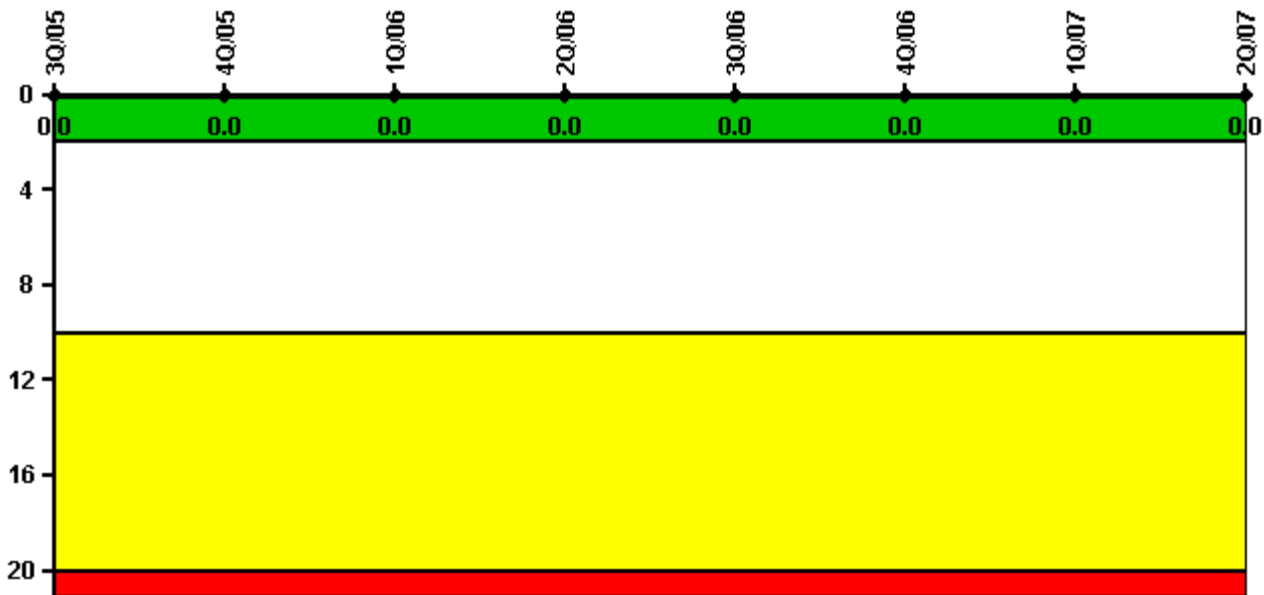
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1303.5	2160.0	2183.0	2208.0	2209.0	2159.0	1500.2
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



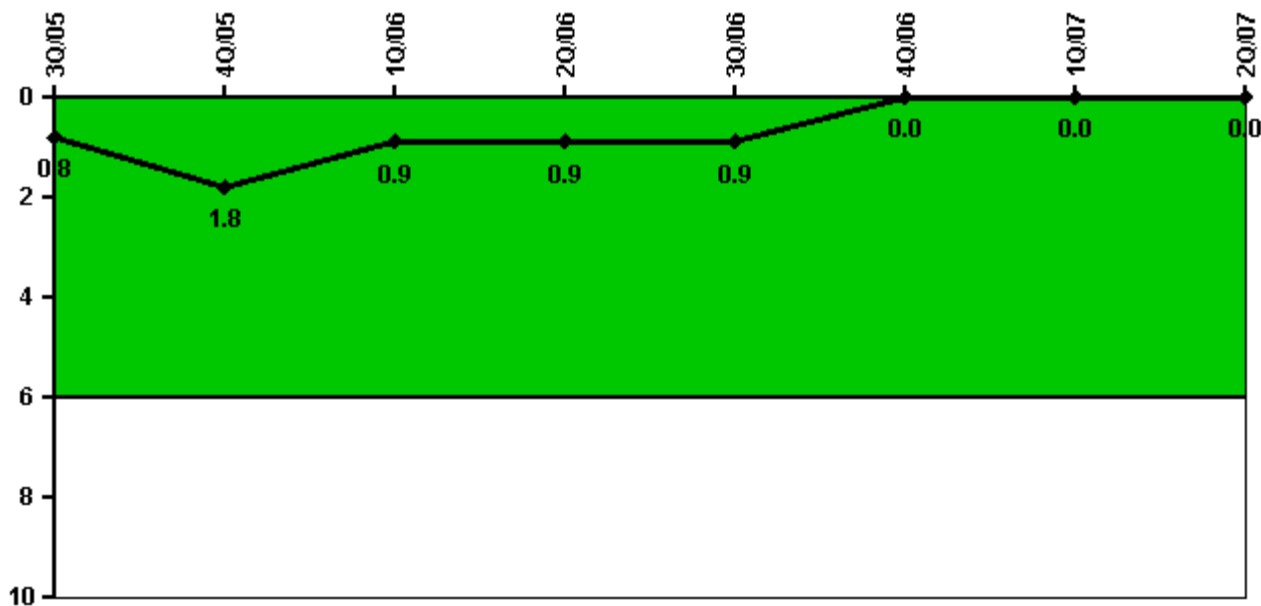
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



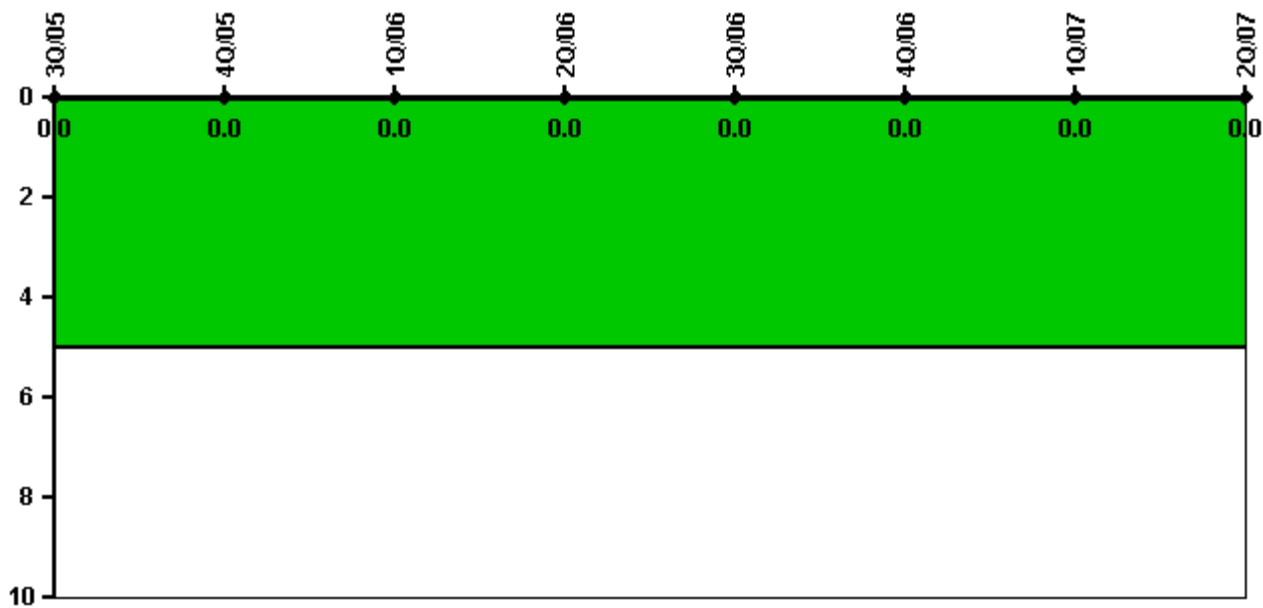
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1303.5	2160.0	2183.0	2208.0	2209.0	2159.0	1500.2
Indicator value	0.8	1.8	0.9	0.9	0.9	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



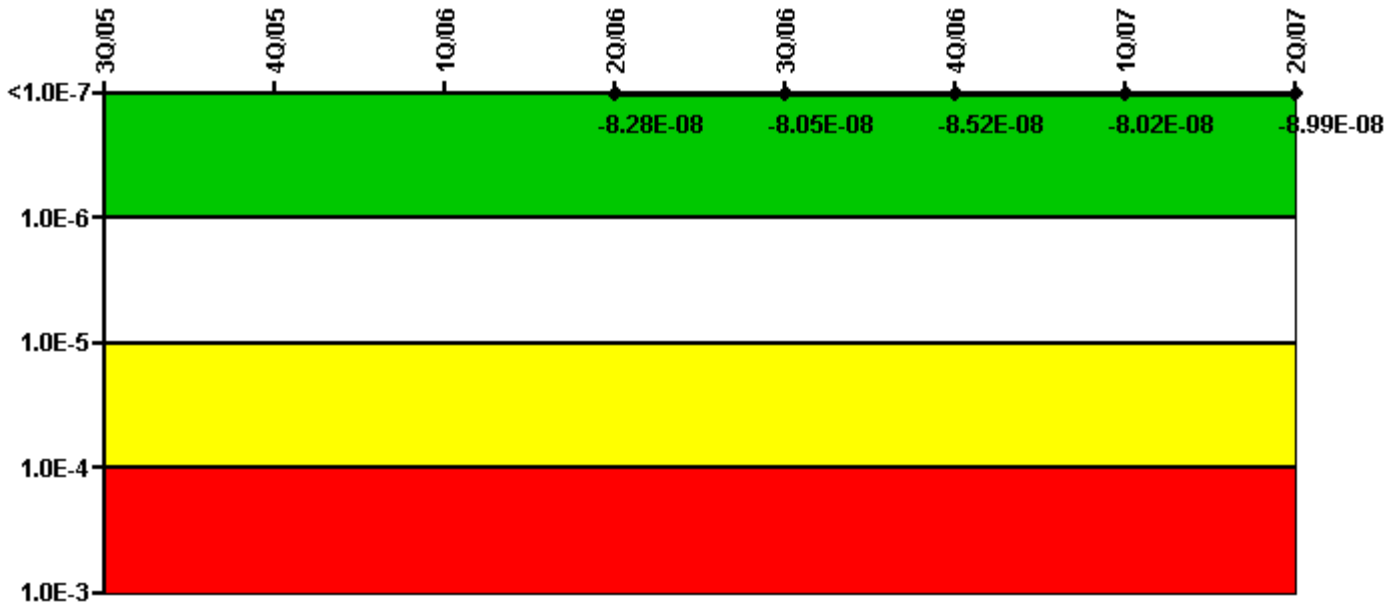
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



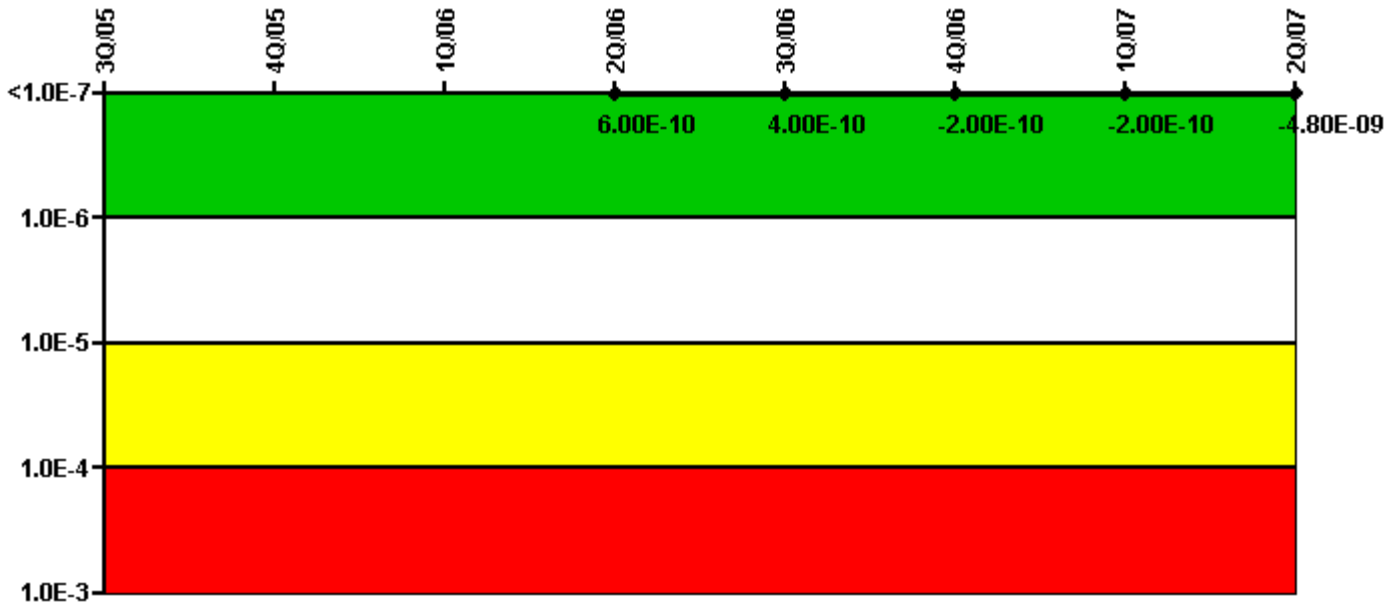
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				3.20E-09	5.50E-09	7.80E-10	5.80E-09	4.10E-09
URI (Δ CDF)				-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-9.40E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-8.28E-08	-8.05E-08	-8.52E-08	-8.02E-08	-8.99E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



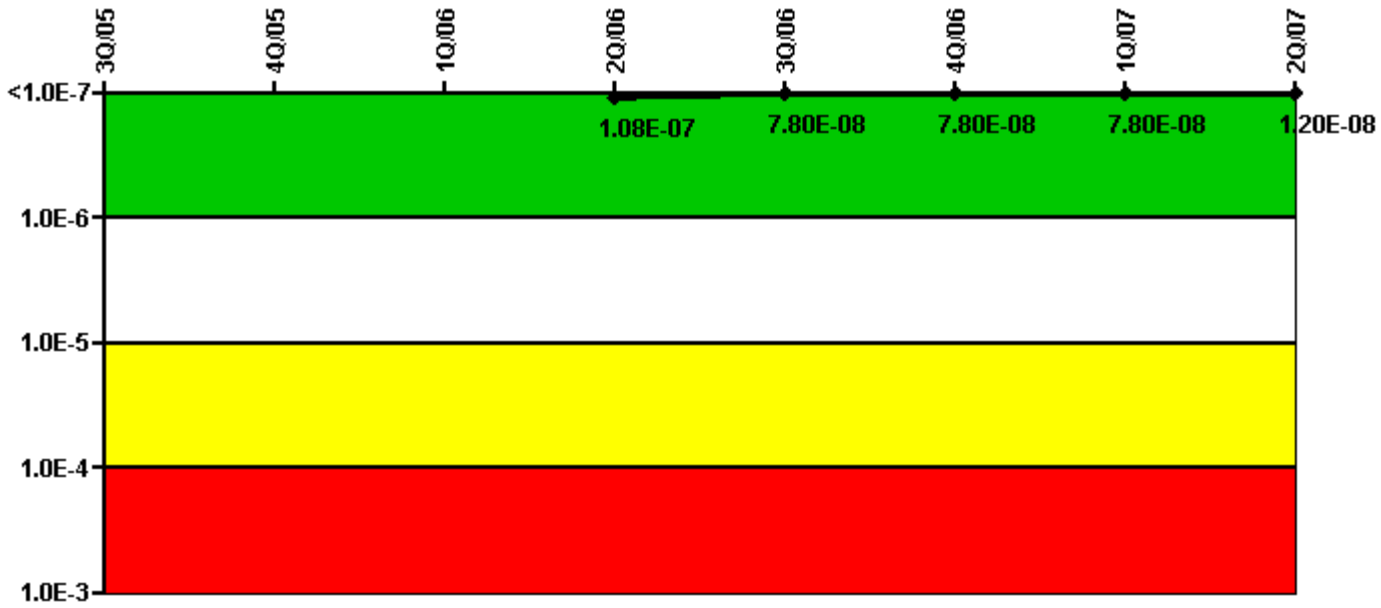
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-1.00E-09	-1.20E-09	-1.80E-09	-1.80E-09	-3.30E-09
URI (ΔCDF)				1.60E-09	1.60E-09	1.60E-09	1.60E-09	-1.50E-09
PLE				NO	NO	NO	NO	NO
Indicator value				6.00E-10	4.00E-10	-2.00E-10	-2.00E-10	-4.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



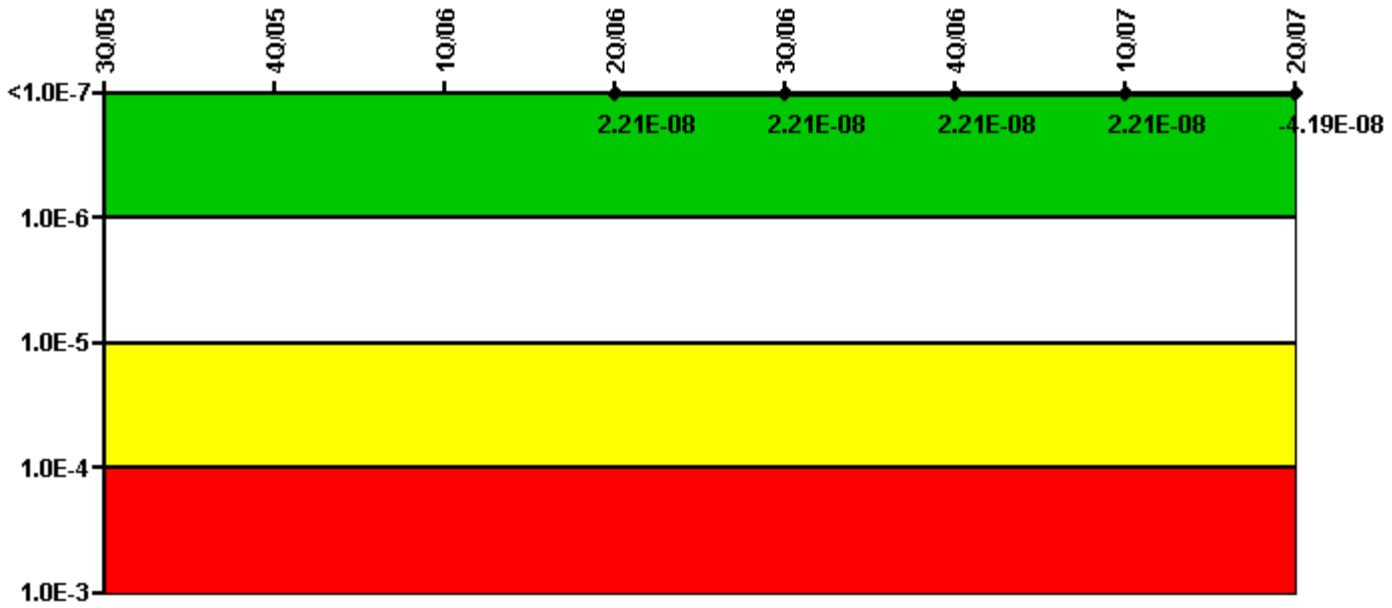
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				$1.30E-07$	$1.00E-07$	$1.00E-07$	$1.00E-07$	$3.40E-08$
URI (Δ CDF)				$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$
PLE				NO	NO	NO	NO	NO
Indicator value				$1.08E-07$	$7.80E-08$	$7.80E-08$	$7.80E-08$	$1.20E-08$

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



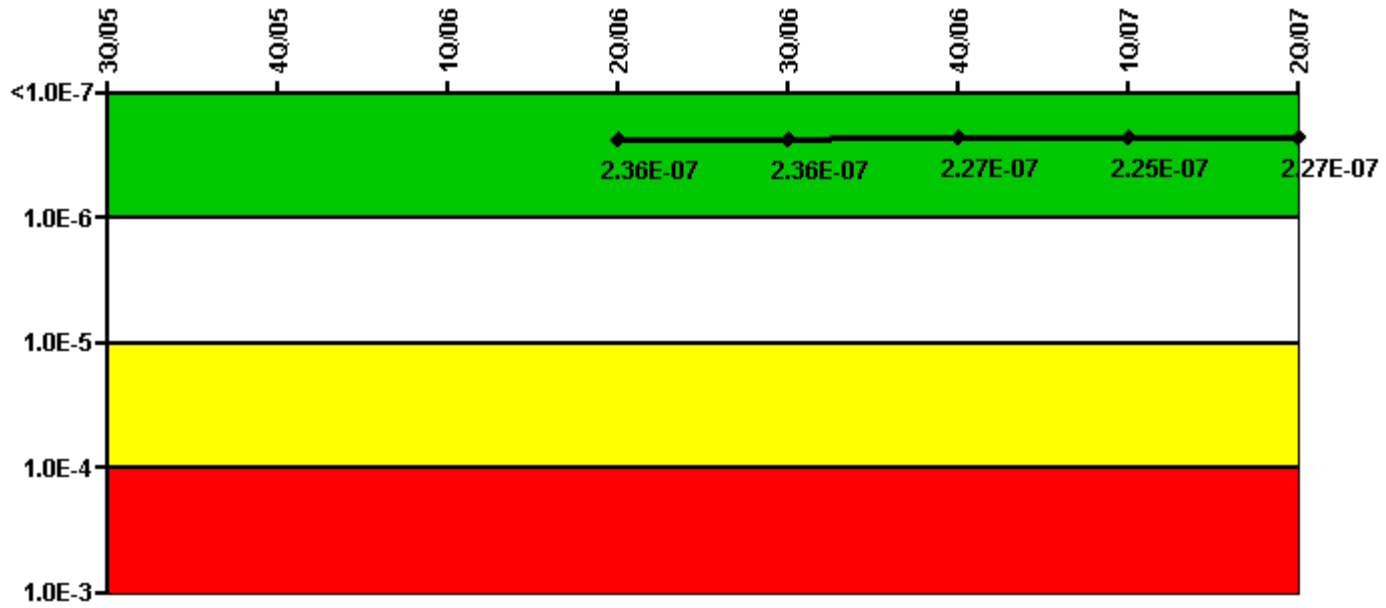
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09
URI (ΔCDF)				2.80E-08	2.80E-08	2.80E-08	2.80E-08	-3.60E-08
PLE				NO	NO	NO	NO	NO
Indicator value				2.21E-08	2.21E-08	2.21E-08	2.21E-08	-4.19E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



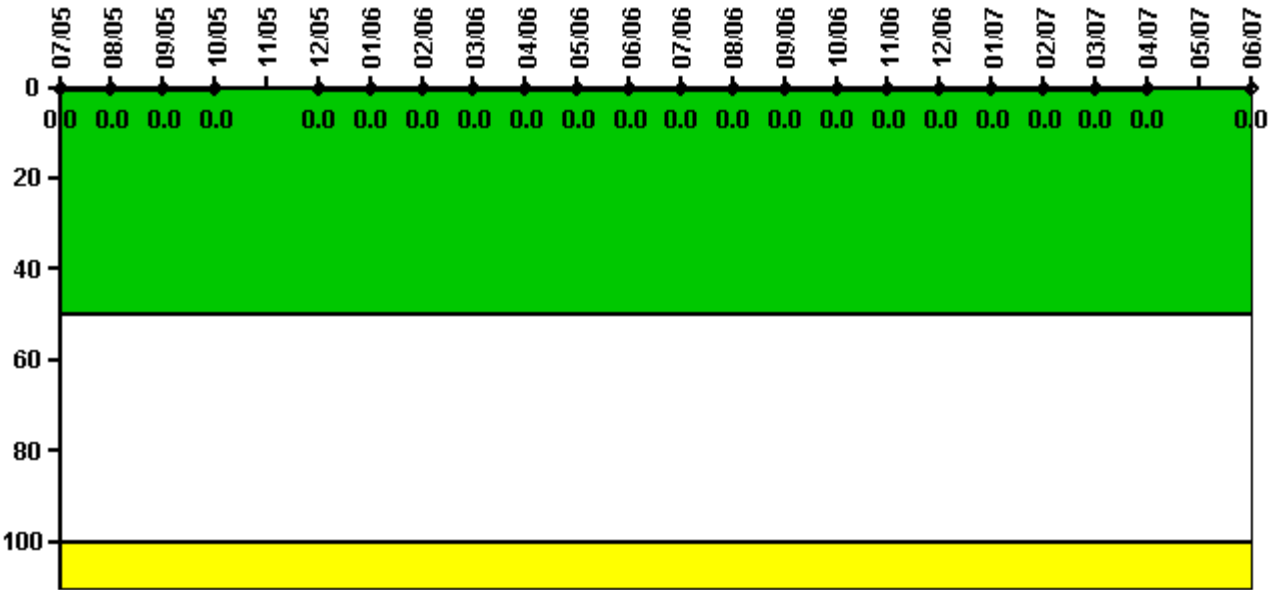
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-4.40E-08	-4.40E-08	-5.30E-08	-5.50E-08	-5.30E-08
URI (ΔCDF)				2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE				NO	NO	NO	NO	NO
Indicator value				2.36E-07	2.36E-07	2.27E-07	2.25E-07	2.27E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

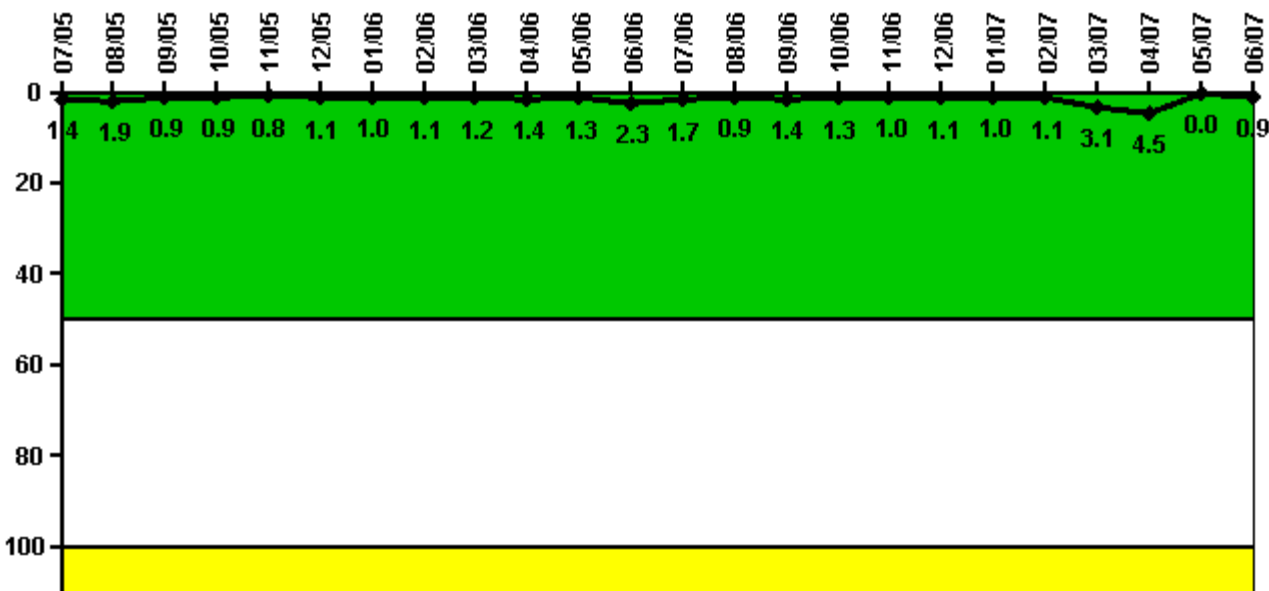
Notes

Reactor Coolant System Activity	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity	0.000268	0.000271	0.000273	0.000284	N/A	0.000151	0.000167	0.000193	0.000175	0.000197	0.000206	0.000195
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	N/A	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000212	0.000221	0.000222	0.000227	0.000232	0.000242	0.000276	0.000248	0.000301	0.000197	N/A	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	N/A	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

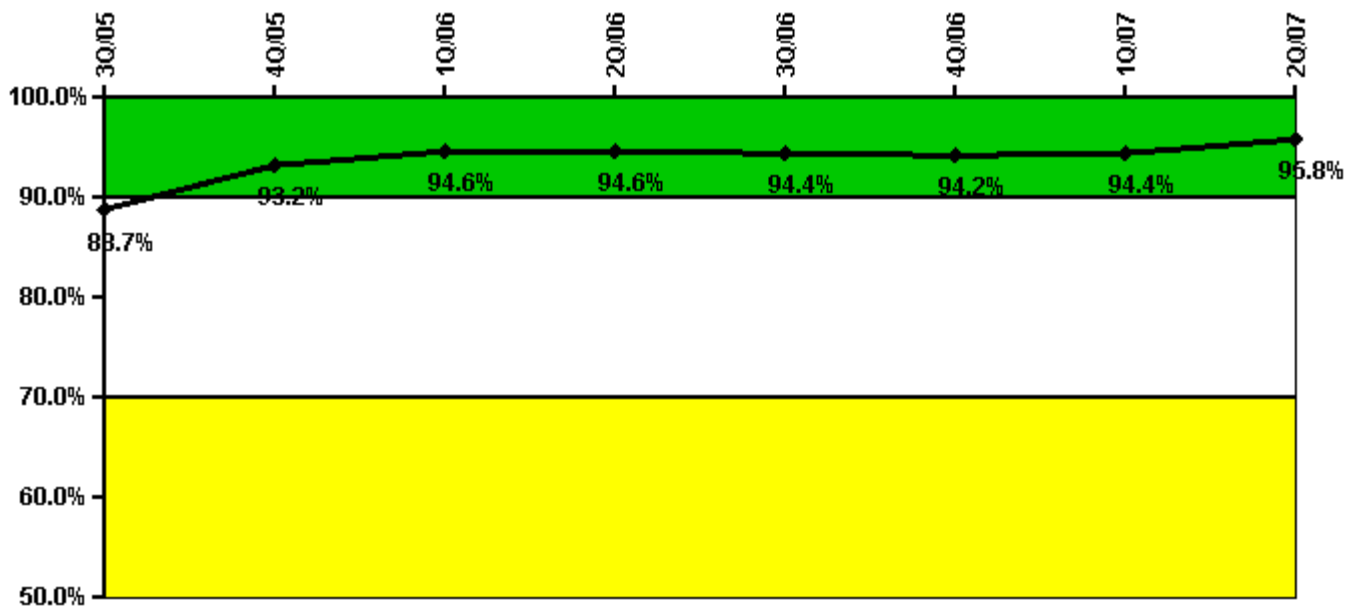
Notes

Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.139	0.185	0.090	0.091	0.077	0.106	0.097	0.105	0.122	0.140	0.128	0.233
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	1.4	1.9	0.9	0.9	0.8	1.1	1.0	1.1	1.2	1.4	1.3	2.3

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.168	0.093	0.136	0.130	0.095	0.107	0.100	0.112	0.309	0.446	0	0.087
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	1.7	0.9	1.4	1.3	1.0	1.1	1.0	1.1	3.1	4.5	0	0.9

Licensee Comments: none

Drill/Exercise Performance



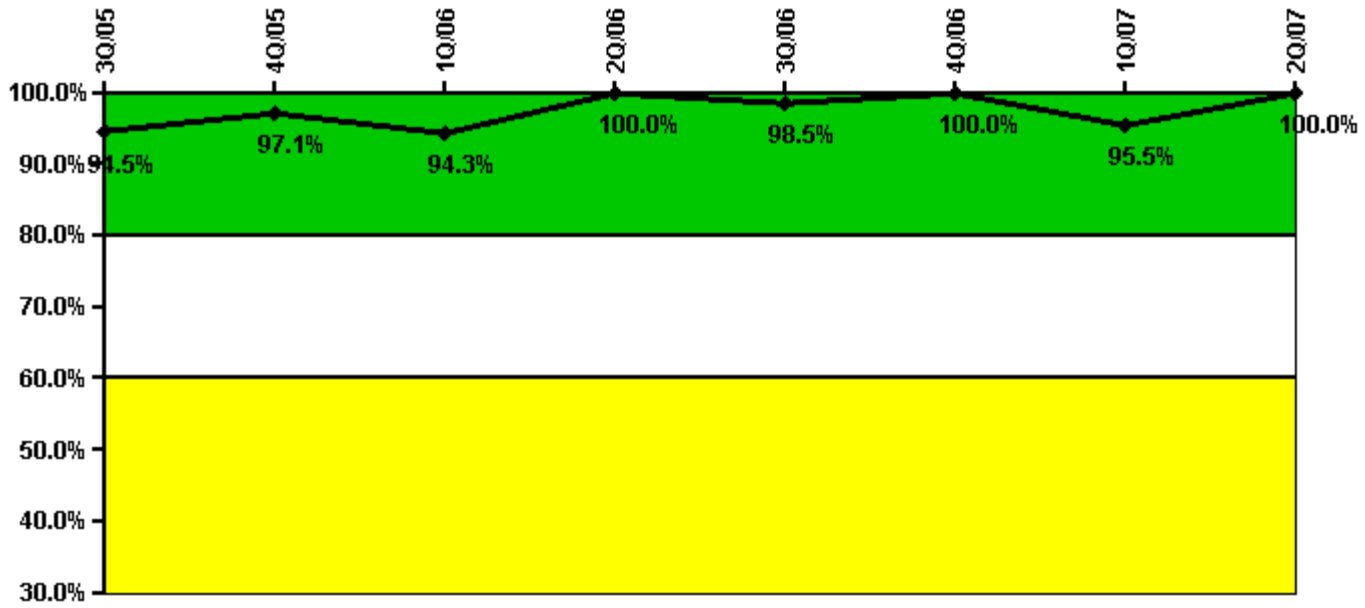
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	144.0	247.0	236.0	15.0	18.0	27.0	31.0	28.0
Total opportunities	162.0	250.0	241.0	16.0	20.0	31.0	31.0	28.0
Indicator value	88.7%	93.2%	94.6%	94.6%	94.4%	94.2%	94.4%	95.8%

Licensee Comments: none

ERO Drill Participation



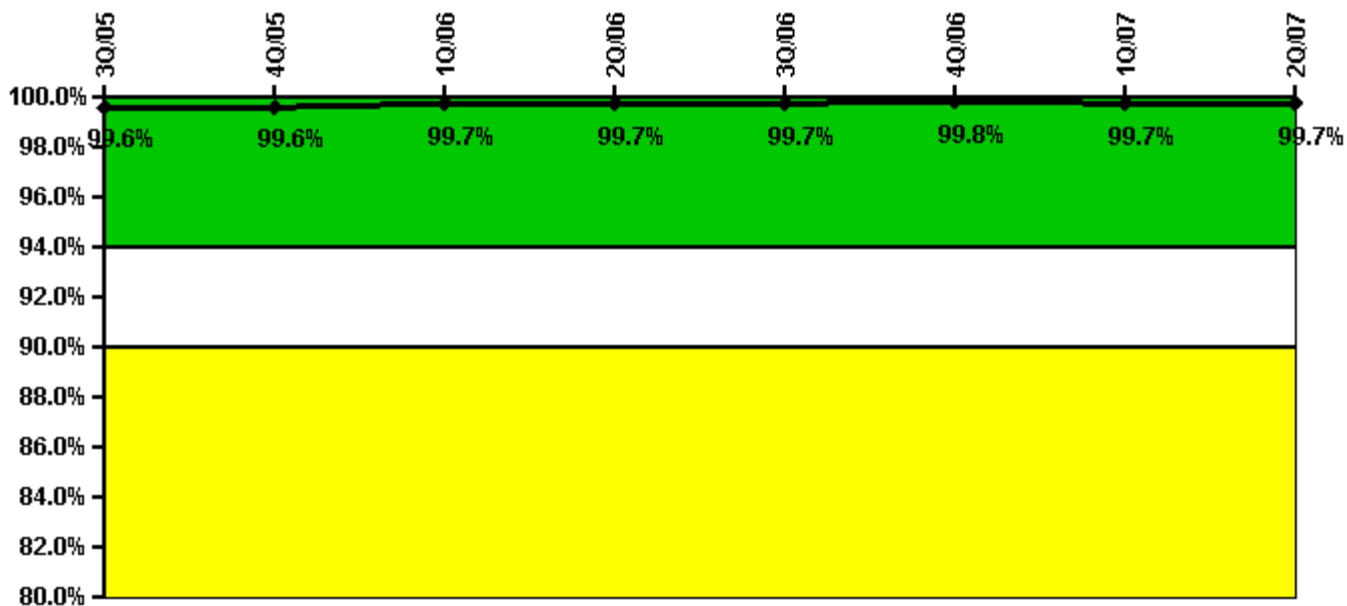
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	69.0	68.0	66.0	71.0	66.0	69.0	64.0	76.0
Total Key personnel	73.0	70.0	70.0	71.0	67.0	69.0	67.0	76.0
Indicator value	94.5%	97.1%	94.3%	100.0%	98.5%	100.0%	95.5%	100.0%

Licensee Comments: none

Alert & Notification System



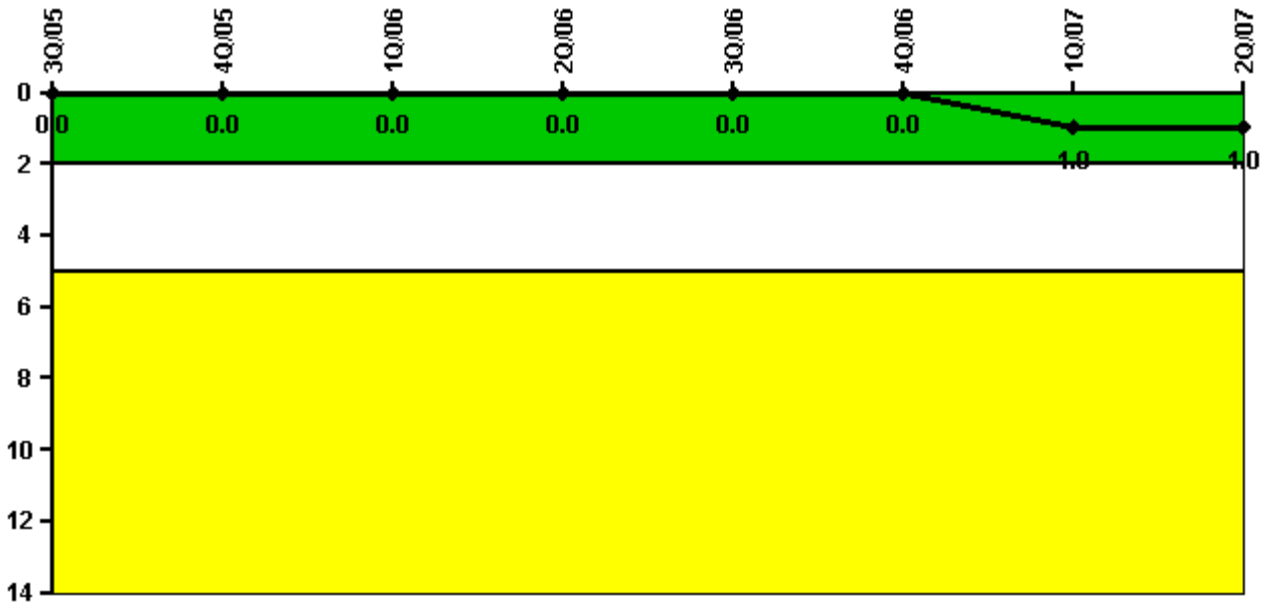
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	1302	905	1043	916	1307	913	1045	916
Total sirens-tests	1306	911	1045	917	1310	917	1048	917
Indicator value	99.6%	99.6%	99.7%	99.7%	99.7%	99.8%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



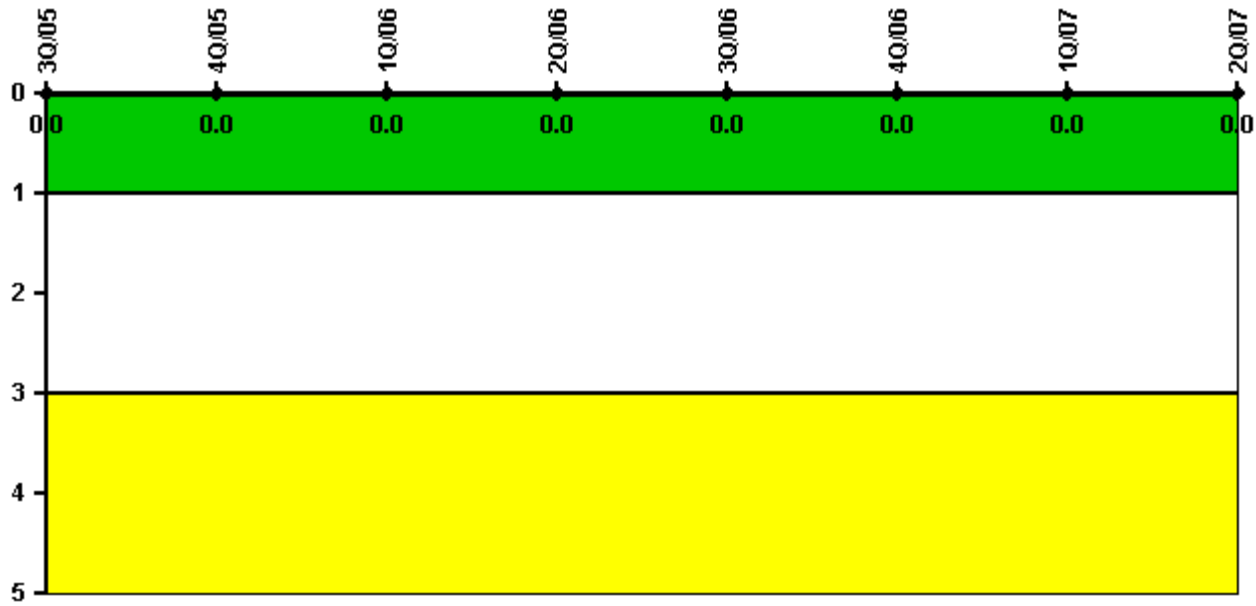
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	1	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

Last Modified: August 6, 2007

Diablo Canyon 1

3Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



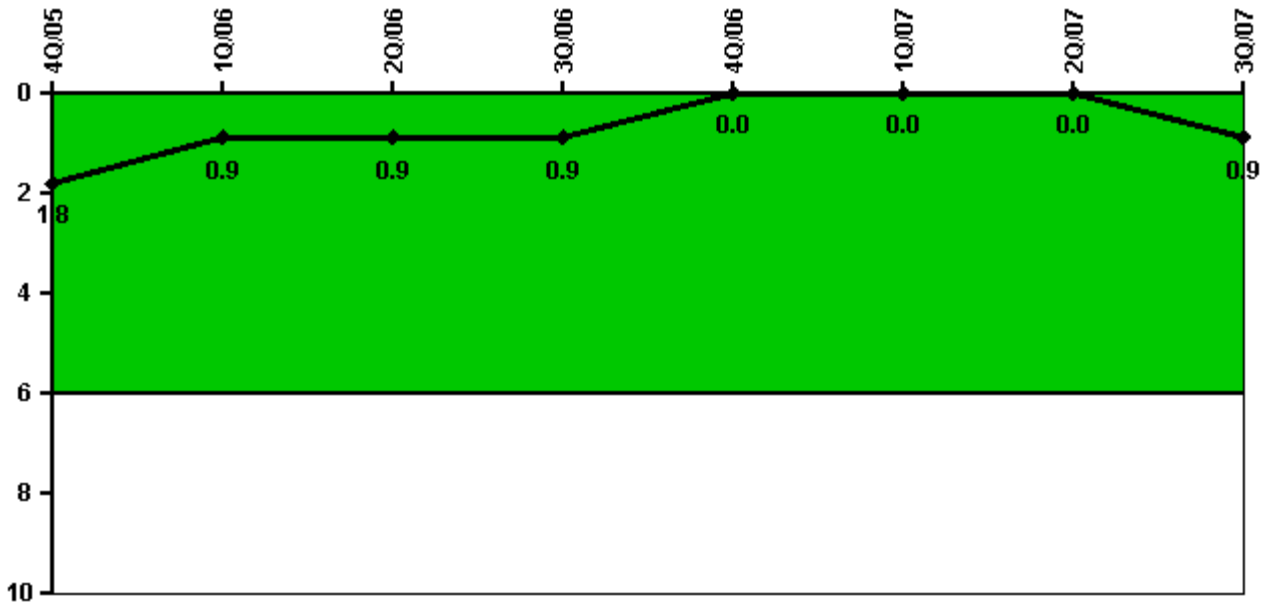
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1303.5	2160.0	2183.0	2208.0	2209.0	2159.0	1500.2	2085.6
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



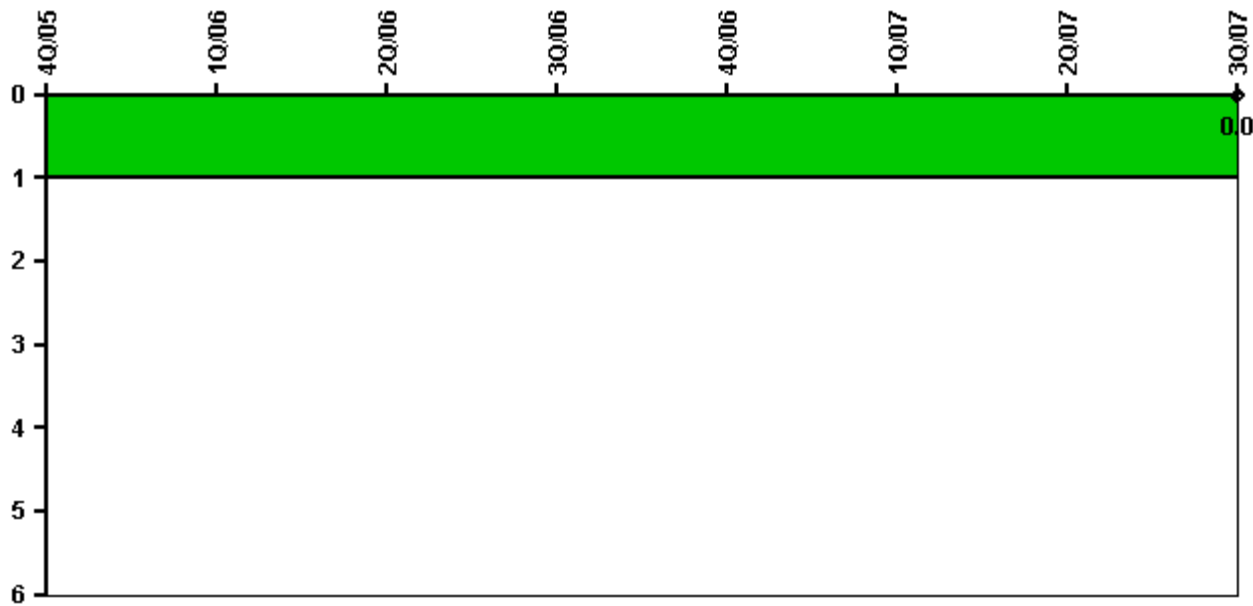
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	1.0	0	0	0	0	0	0	1.0
Critical hours	1303.5	2160.0	2183.0	2208.0	2209.0	2159.0	1500.2	2085.6
Indicator value	1.8	0.9	0.9	0.9	0	0	0	0.9

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Scrams with complications					0	0	0	0
Indicator value								0.0

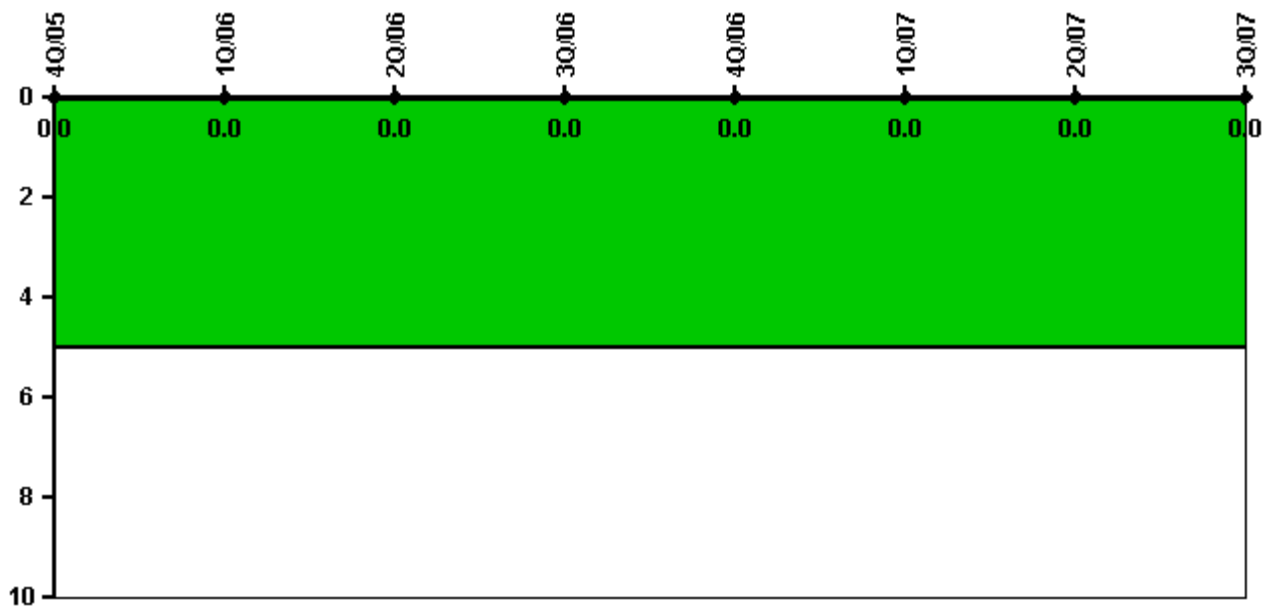
Licensee Comments:

2Q/07: USwC initial data

1Q/07: USwC initial data

4Q/06: USwC initial data

Safety System Functional Failures (PWR)



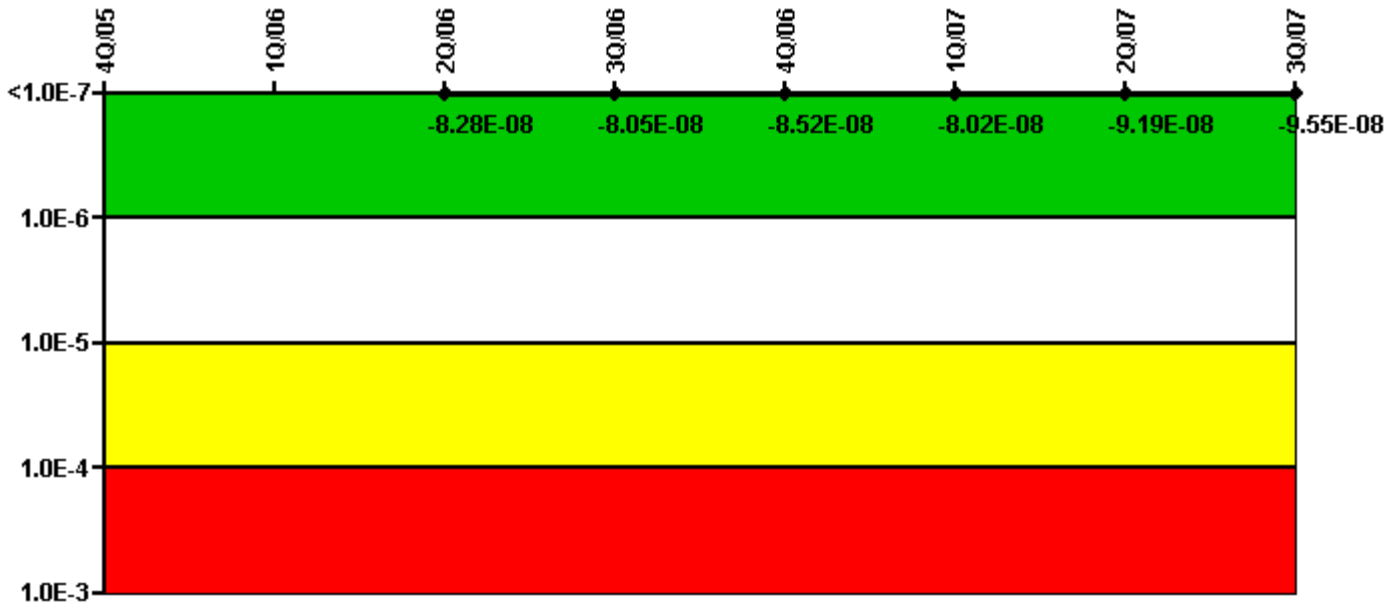
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	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

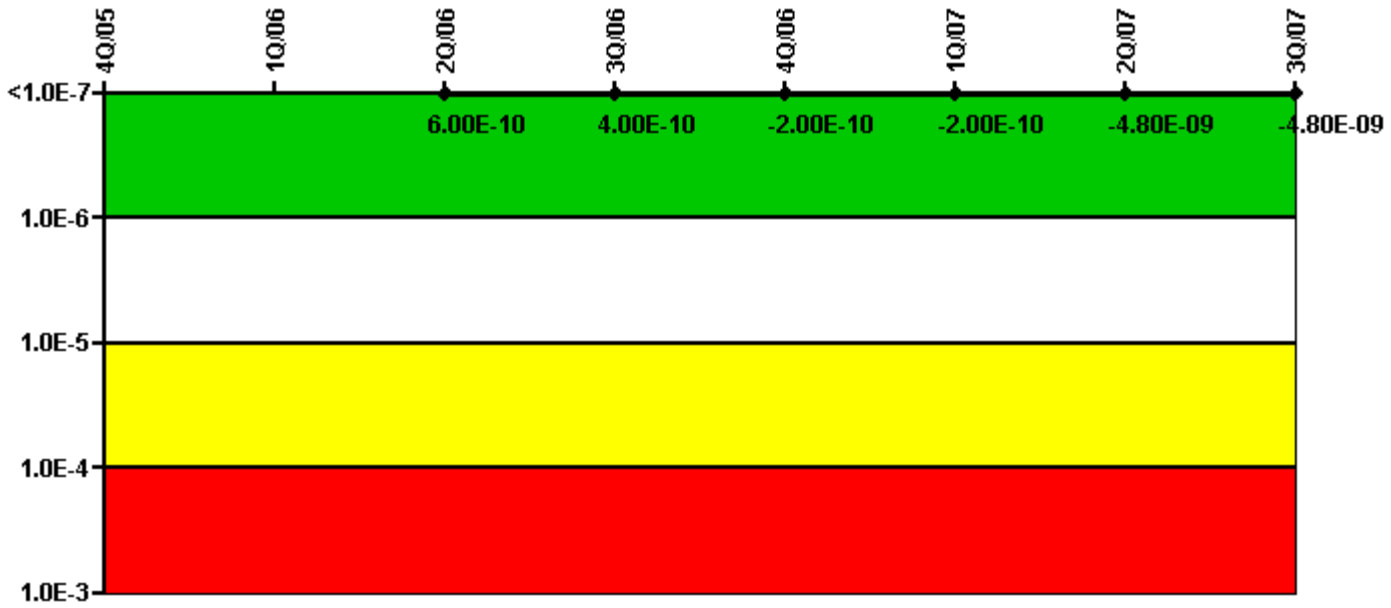
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			3.20E-09	5.50E-09	7.80E-10	5.80E-09	4.10E-09	5.20E-10
URI (Δ CDF)			-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-9.60E-08	-9.60E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-8.28E-08	-8.05E-08	-8.52E-08	-8.02E-08	-9.19E-08	-9.55E-08

Licensee Comments:

2Q/07: Corrected data entry error

Mitigating Systems Performance Index, High Pressure Injection System



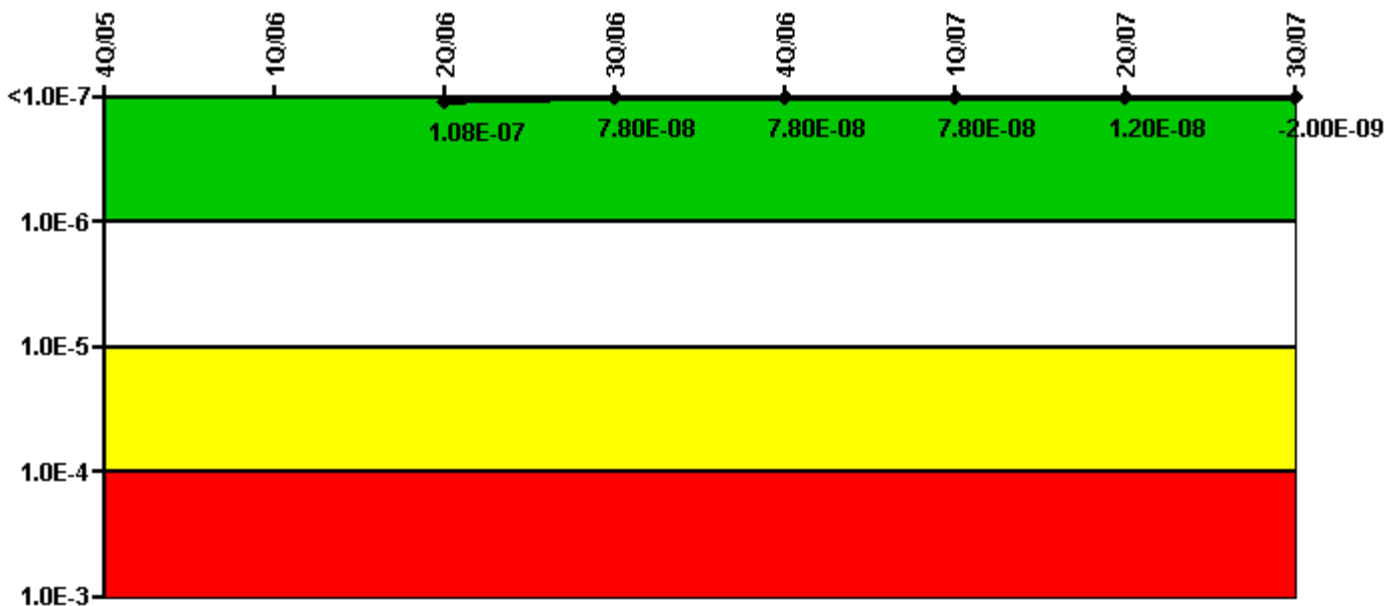
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			$-1.00E-09$	$-1.20E-09$	$-1.80E-09$	$-1.80E-09$	$-3.30E-09$	$-3.30E-09$
URI (ΔCDF)			$1.60E-09$	$1.60E-09$	$1.60E-09$	$1.60E-09$	$-1.50E-09$	$-1.50E-09$
PLE			NO	NO	NO	NO	NO	NO
Indicator value			$6.00E-10$	$4.00E-10$	$-2.00E-10$	$-2.00E-10$	$-4.80E-09$	$-4.80E-09$

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



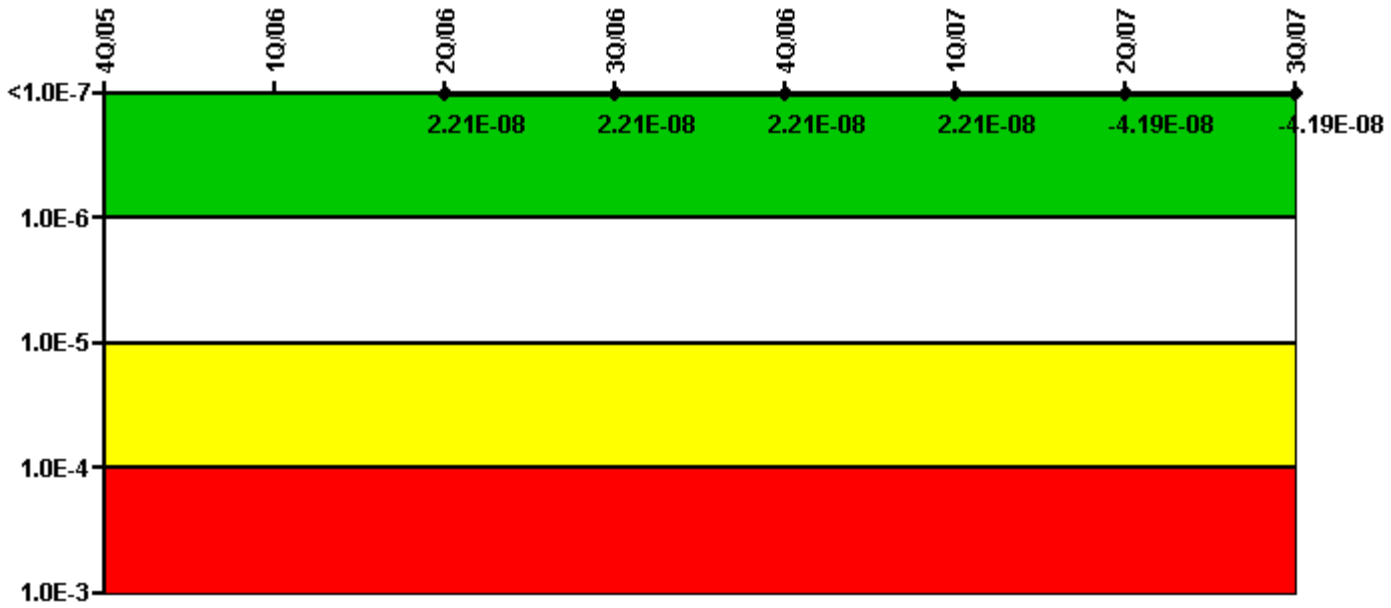
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			$1.30E-07$	$1.00E-07$	$1.00E-07$	$1.00E-07$	$3.40E-08$	$2.00E-08$
URI (Δ CDF)			$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$
PLE			NO	NO	NO	NO	NO	NO
Indicator value			$1.08E-07$	$7.80E-08$	$7.80E-08$	$7.80E-08$	$1.20E-08$	$-2.00E-09$

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



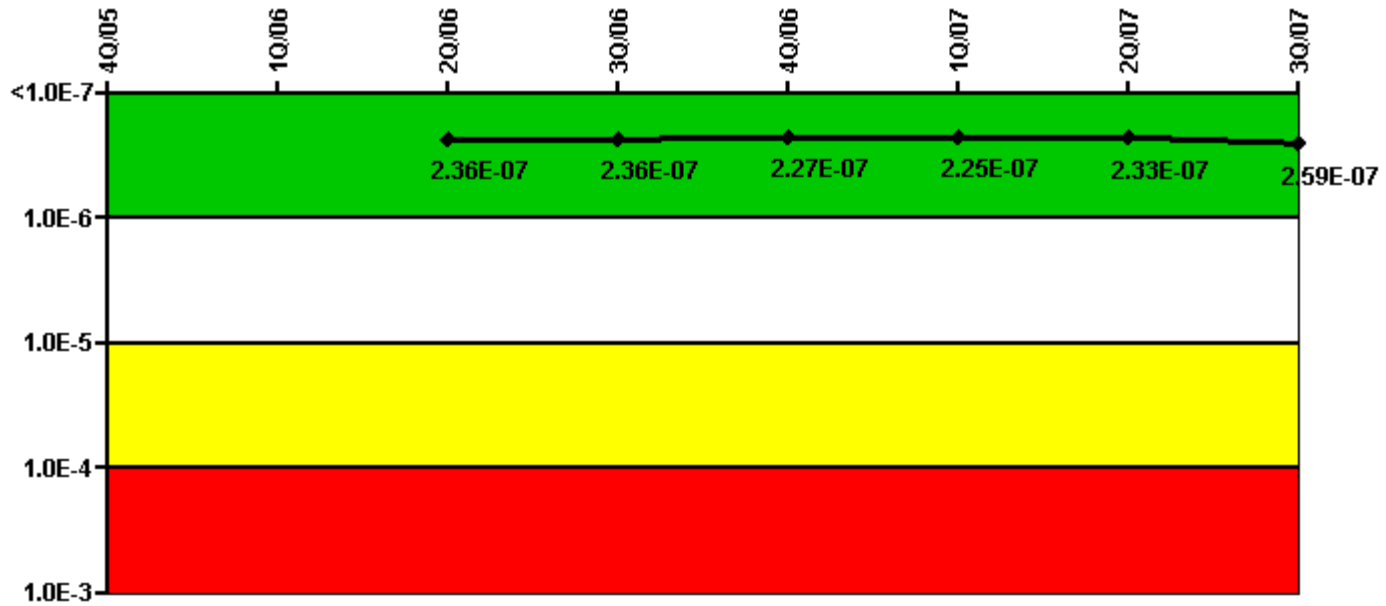
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			$-5.90E-09$	$-5.90E-09$	$-5.90E-09$	$-5.90E-09$	$-5.90E-09$	$-5.90E-09$
URI (Δ CDF)			$2.80E-08$	$2.80E-08$	$2.80E-08$	$2.80E-08$	$-3.60E-08$	$-3.60E-08$
PLE			NO	NO	NO	NO	NO	NO
Indicator value			$2.21E-08$	$2.21E-08$	$2.21E-08$	$2.21E-08$	$-4.19E-08$	$-4.19E-08$

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

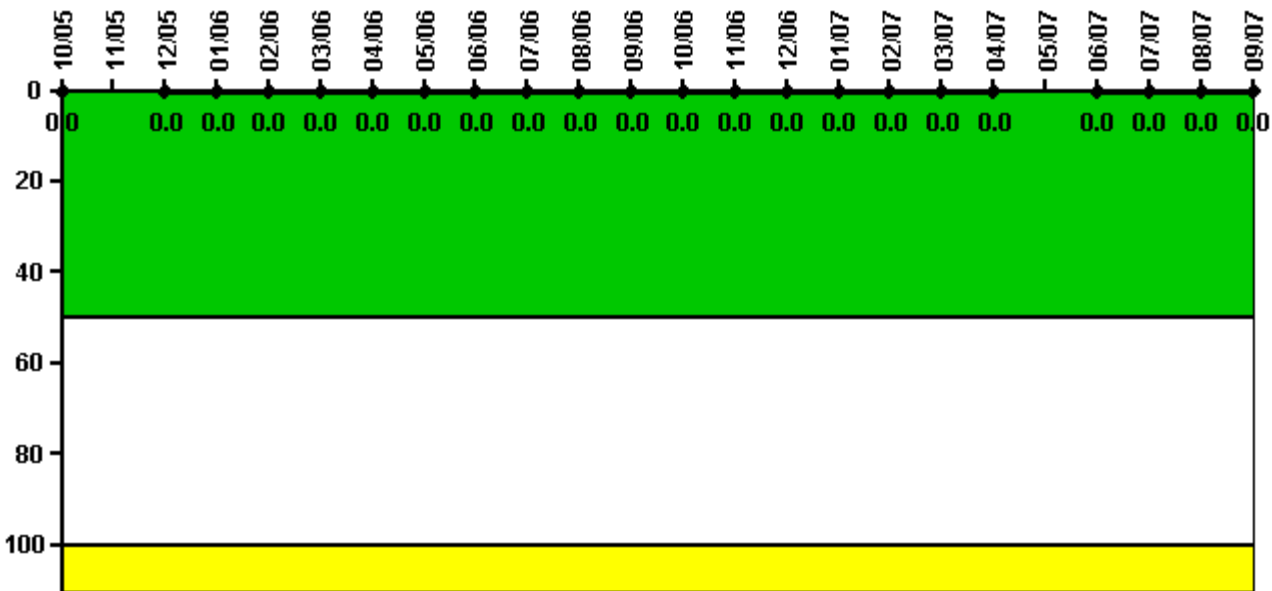
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-4.40E-08	-4.40E-08	-5.30E-08	-5.50E-08	-4.70E-08	-2.10E-08
URI (ΔCDF)			2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			2.36E-07	2.36E-07	2.27E-07	2.25E-07	2.33E-07	2.59E-07

Licensee Comments:

2Q/07: Added 11.7 hrs. MR software error (A0705949)

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

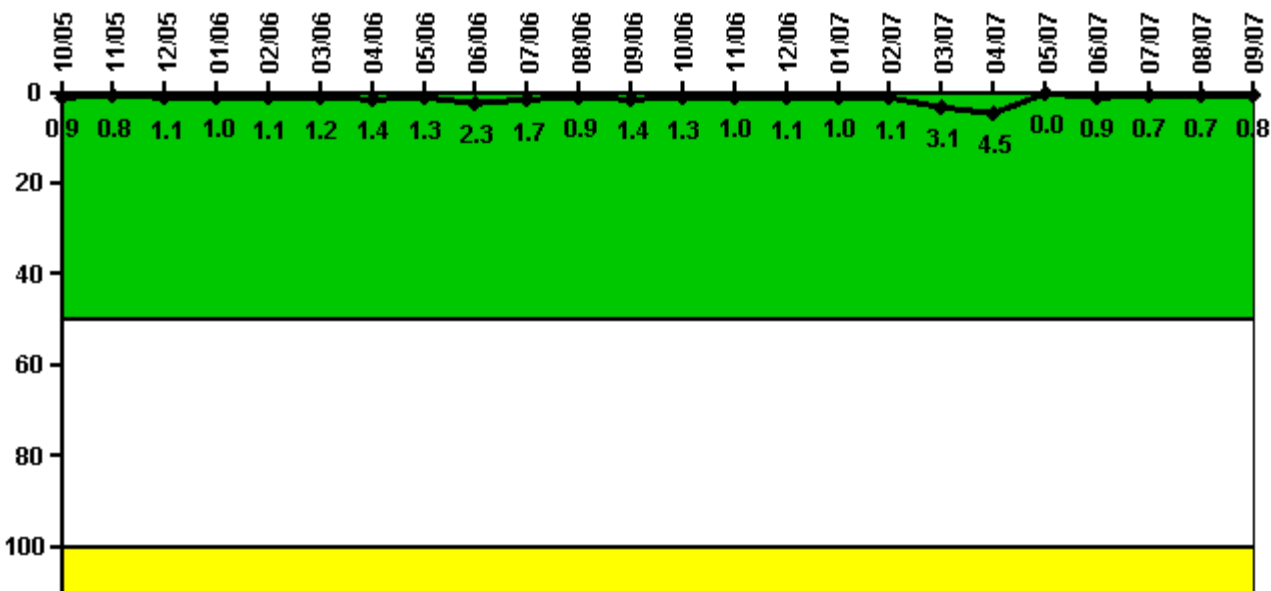
Notes

Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.000284	N/A	0.000151	0.000167	0.000193	0.000175	0.000197	0.000206	0.000195	0.000212	0.000221	0.000222
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	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	0.000227	0.000232	0.000242	0.000276	0.000248	0.000301	0.000197	N/A	0.000070	0.000070	0.000065	0.000099
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	N/A	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

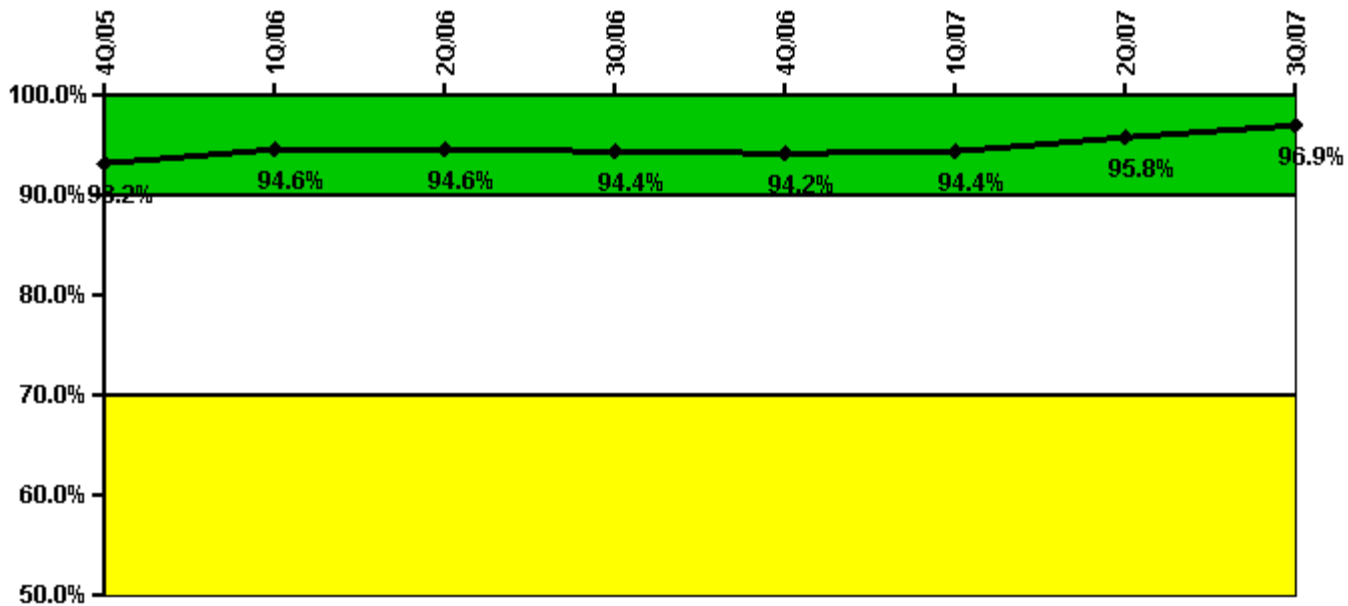
Notes

Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.091	0.077	0.106	0.097	0.105	0.122	0.140	0.128	0.233	0.168	0.093	0.136
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	0.9	0.8	1.1	1.0	1.1	1.2	1.4	1.3	2.3	1.7	0.9	1.4

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.130	0.095	0.107	0.100	0.112	0.309	0.446	0	0.087	0.073	0.074	0.083
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	1.3	1.0	1.1	1.0	1.1	3.1	4.5	0	0.9	0.7	0.7	0.8

Licensee Comments: none

Drill/Exercise Performance



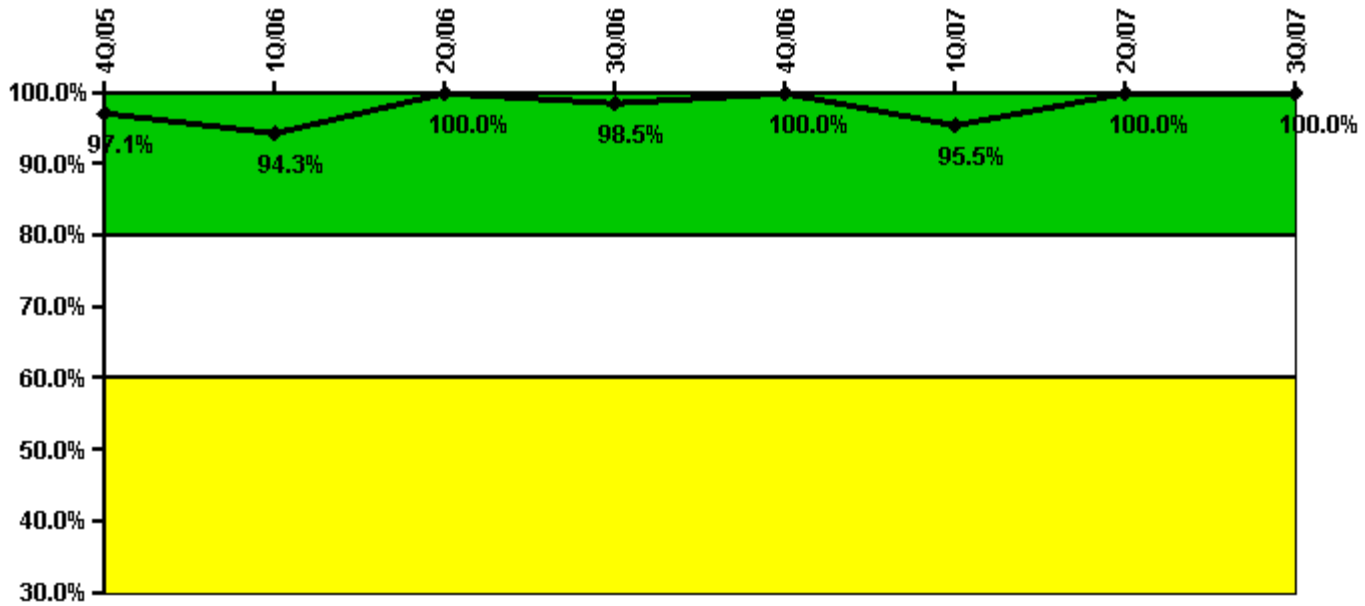
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	247.0	236.0	15.0	18.0	27.0	31.0	28.0	28.0
Total opportunities	250.0	241.0	16.0	20.0	31.0	31.0	28.0	33.0
Indicator value	93.2%	94.6%	94.6%	94.4%	94.2%	94.4%	95.8%	96.9%

Licensee Comments: none

ERO Drill Participation



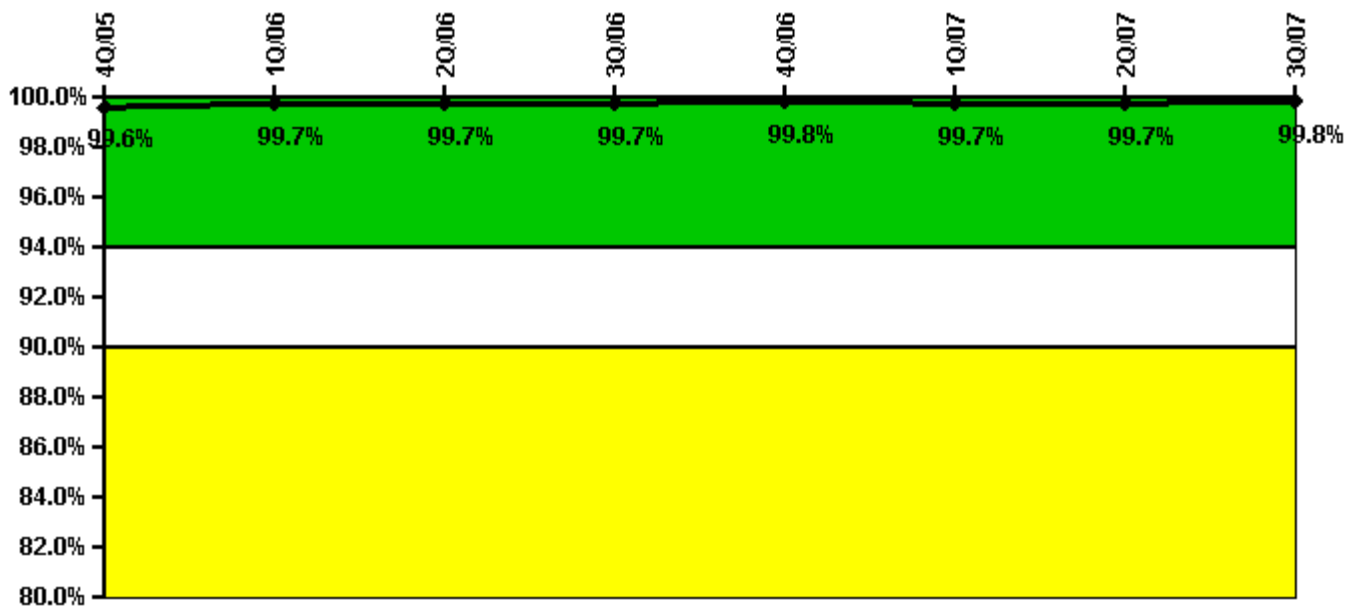
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	68.0	66.0	71.0	66.0	69.0	64.0	76.0	79.0
Total Key personnel	70.0	70.0	71.0	67.0	69.0	67.0	76.0	79.0
Indicator value	97.1%	94.3%	100.0%	98.5%	100.0%	95.5%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



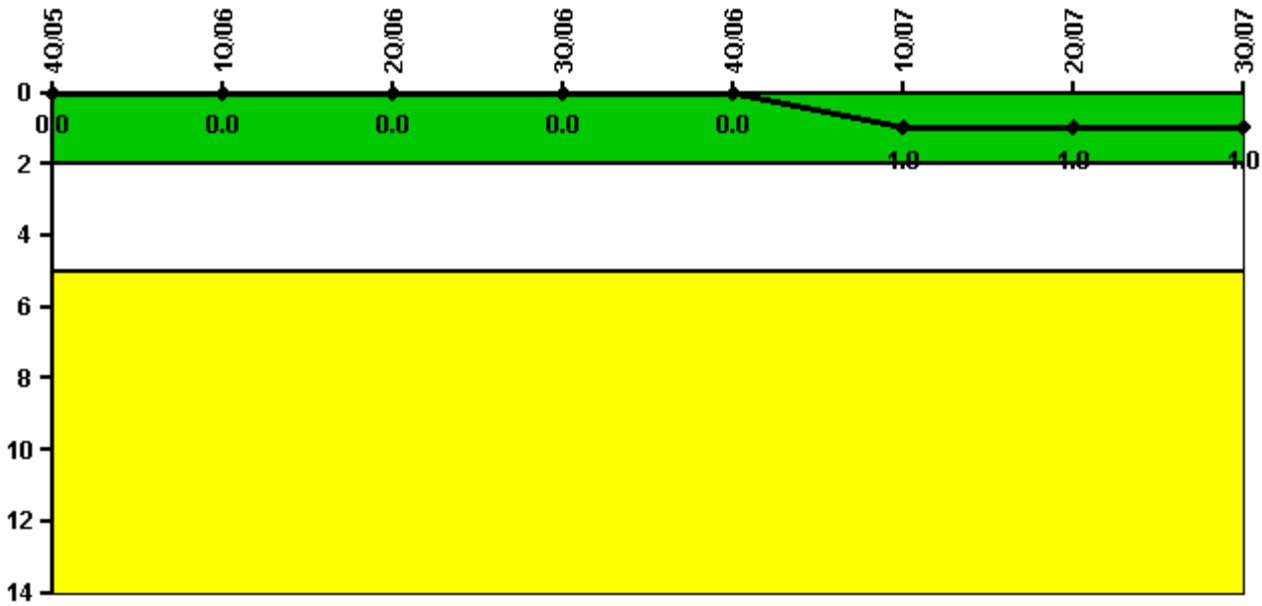
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	905	1043	916	1307	913	1045	916	1309
Total sirens-tests	911	1045	917	1310	917	1048	917	1310
Indicator value	99.6%	99.7%	99.7%	99.7%	99.8%	99.7%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



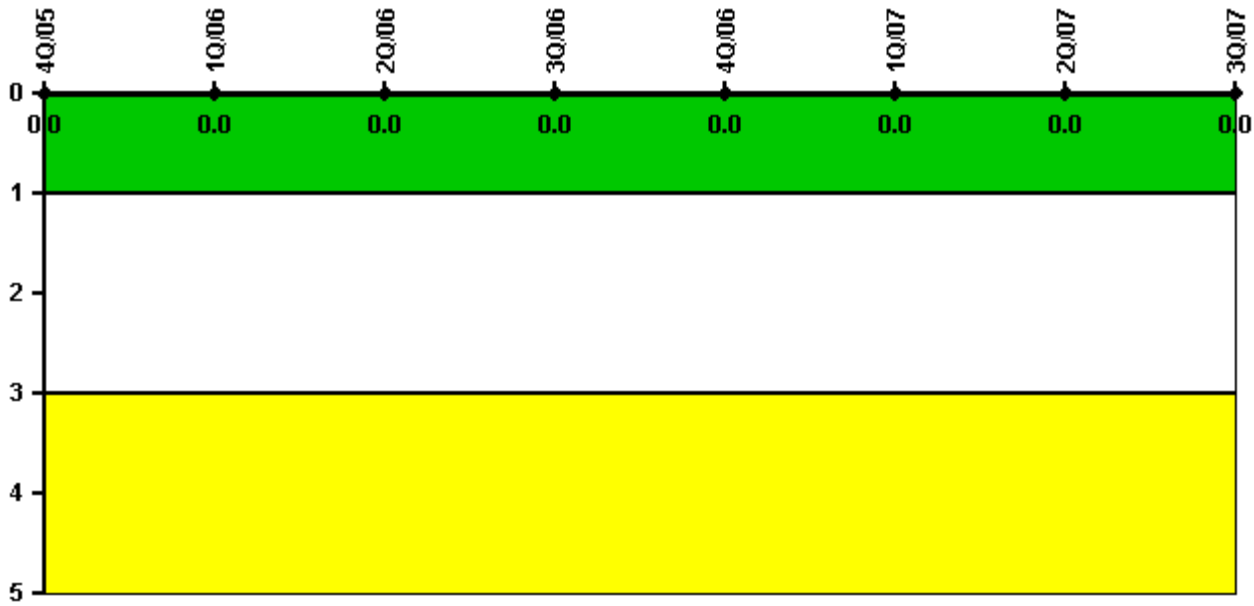
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	1	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

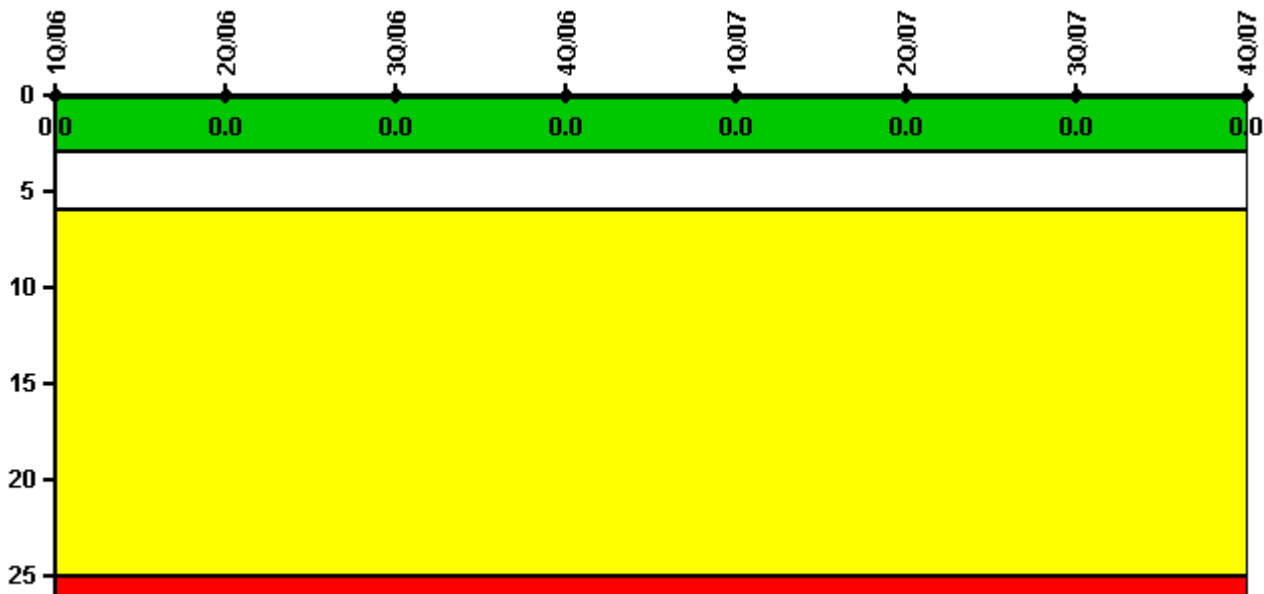
Last Modified: December 7, 2007

Diablo Canyon 1

4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



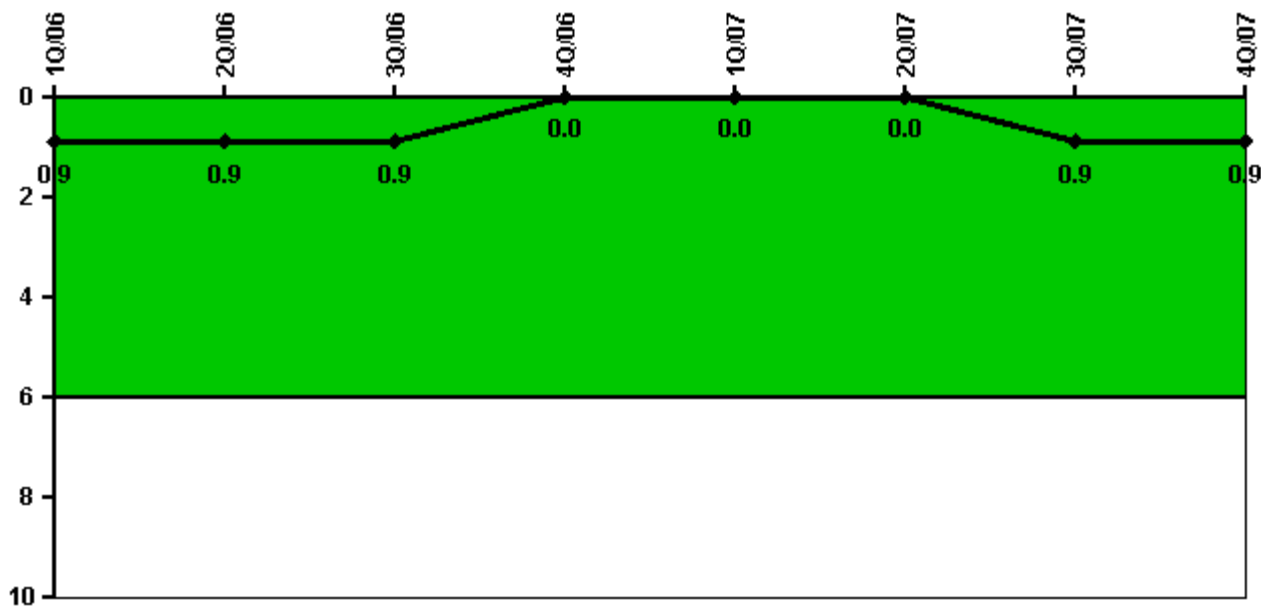
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2159.0	1500.2	2085.6	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



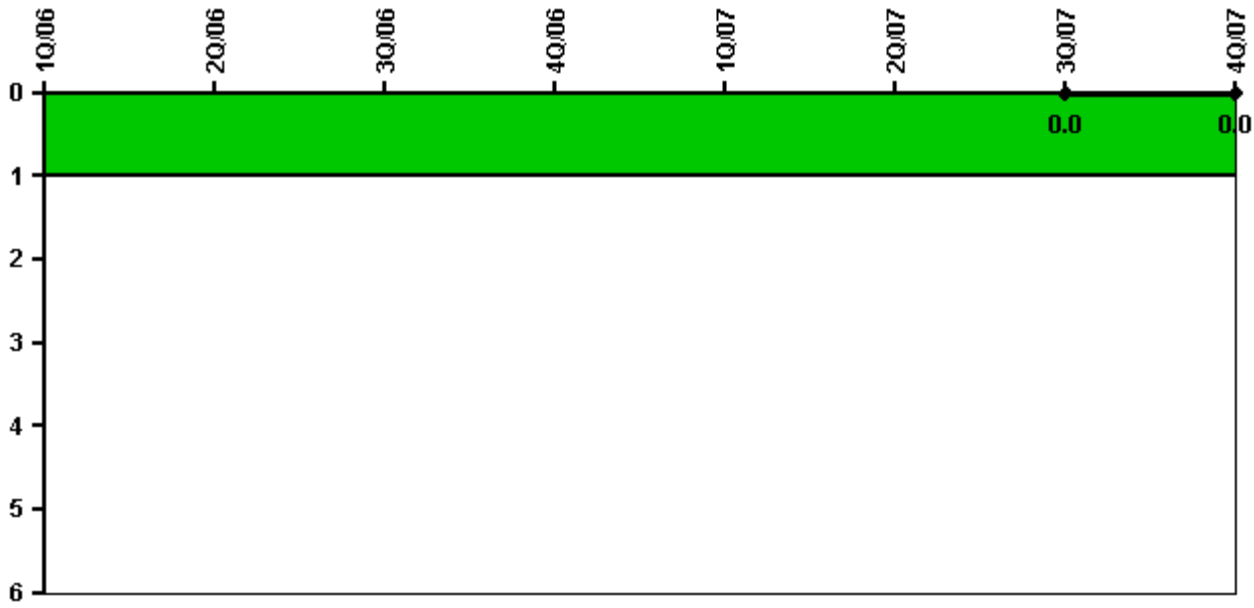
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2159.0	1500.2	2085.6	2209.0
Indicator value	0.9	0.9	0.9	0	0	0	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



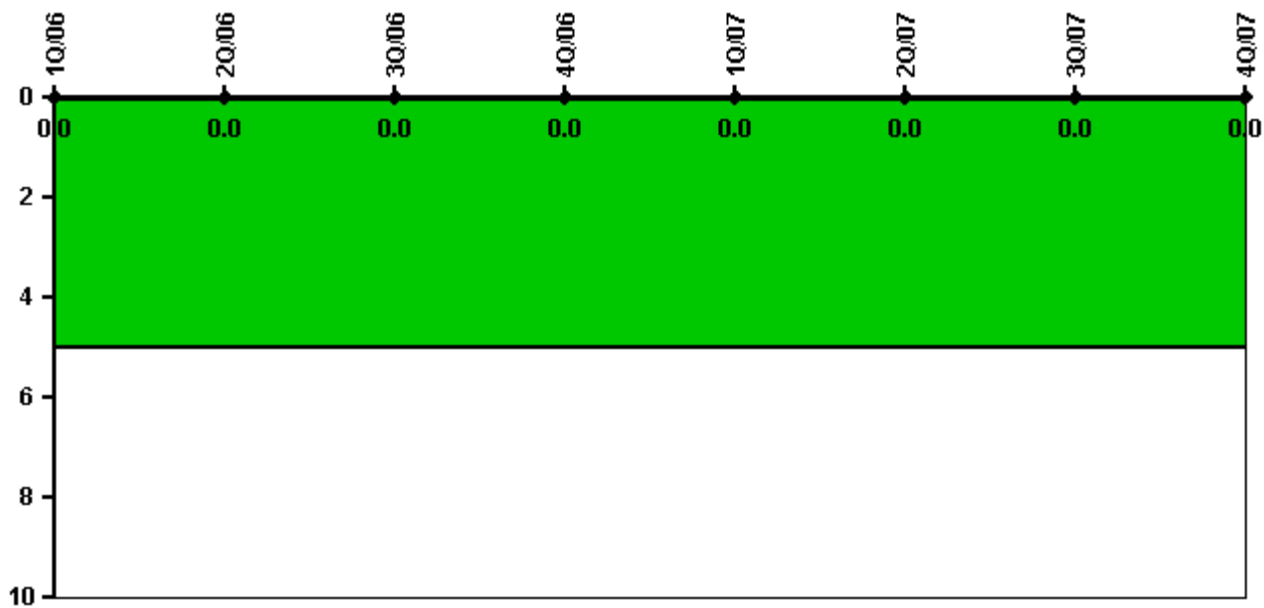
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Scrams with complications				0	0	0	0	0
Indicator value							0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



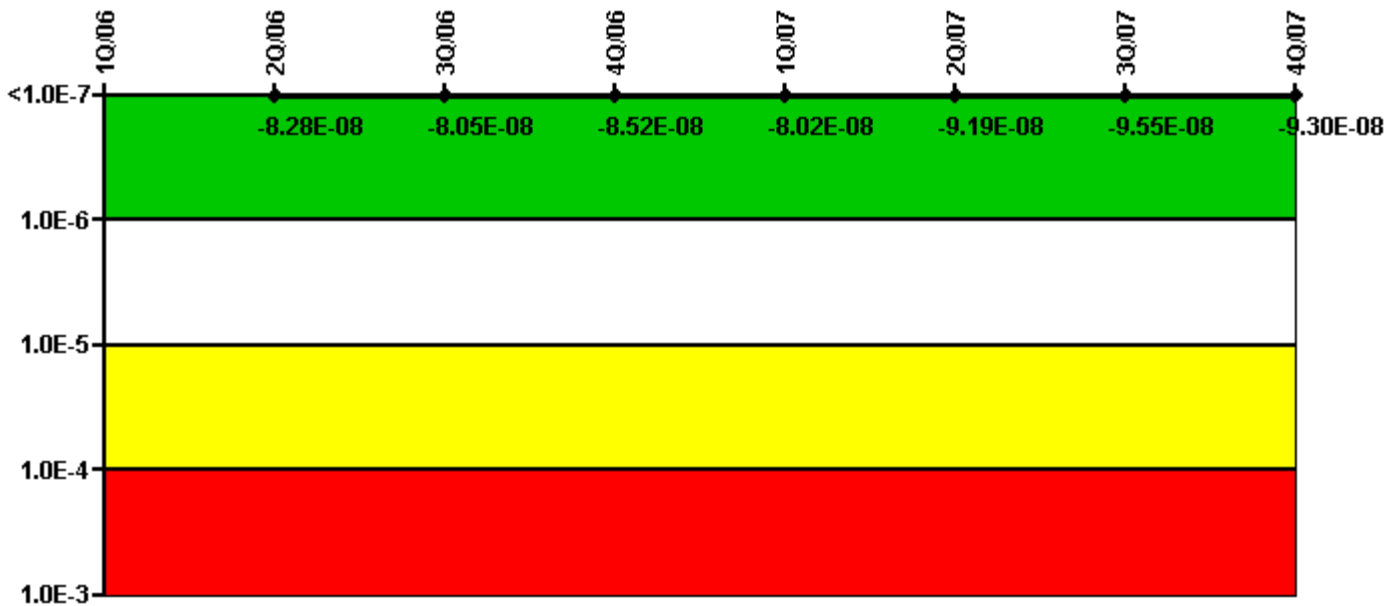
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



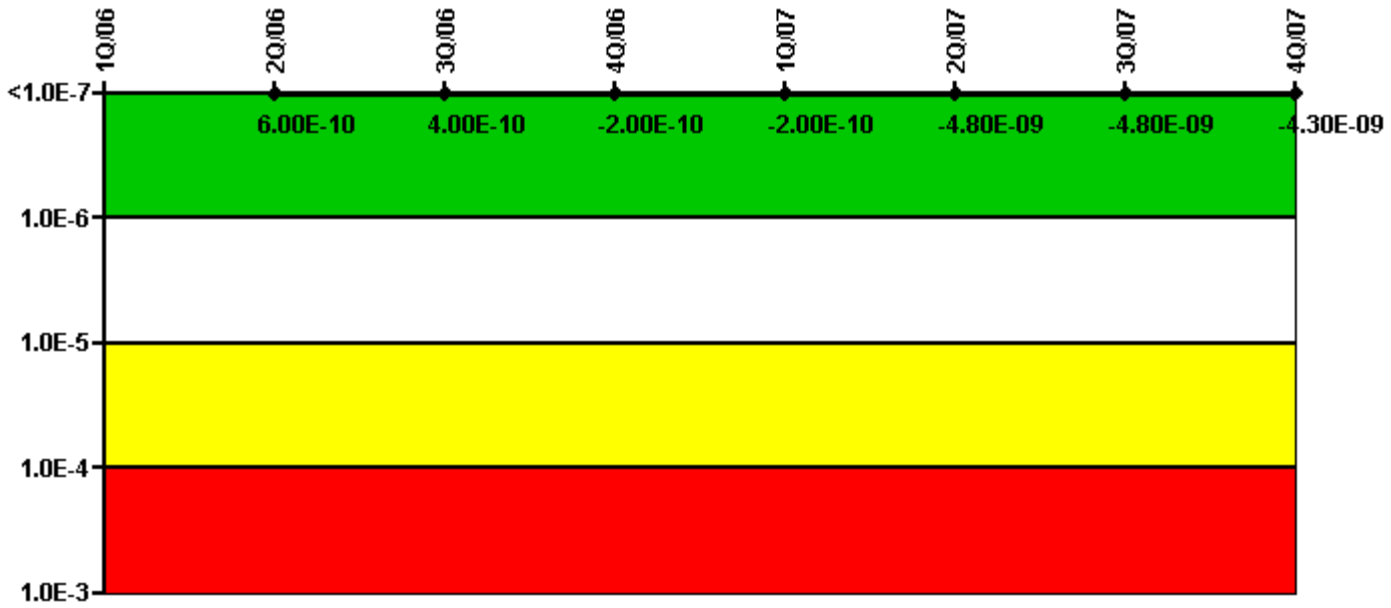
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		3.20E-09	5.50E-09	7.80E-10	5.80E-09	4.10E-09	5.20E-10	3.00E-09
URI (Δ CDF)		-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-9.60E-08	-9.60E-08	-9.60E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-8.28E-08	-8.05E-08	-8.52E-08	-8.02E-08	-9.19E-08	-9.55E-08	-9.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



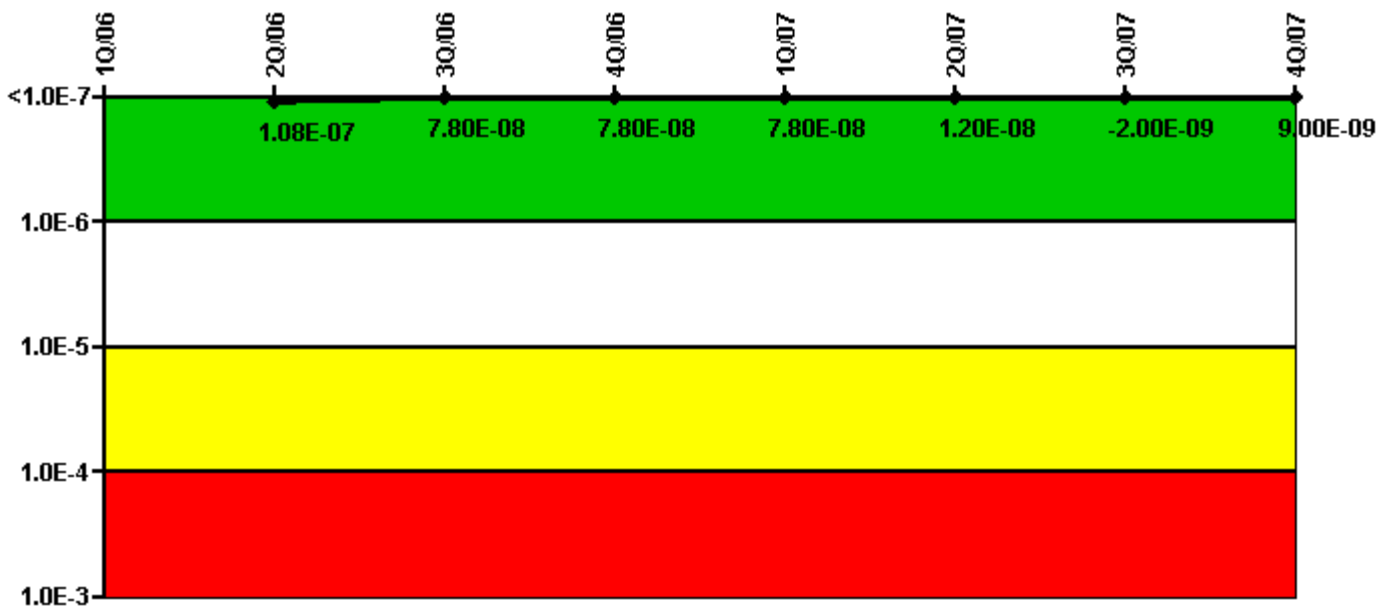
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		$-1.00E-09$	$-1.20E-09$	$-1.80E-09$	$-1.80E-09$	$-3.30E-09$	$-3.30E-09$	$-2.80E-09$
URI (Δ CDF)		$1.60E-09$	$1.60E-09$	$1.60E-09$	$1.60E-09$	$-1.50E-09$	$-1.50E-09$	$-1.50E-09$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$6.00E-10$	$4.00E-10$	$-2.00E-10$	$-2.00E-10$	$-4.80E-09$	$-4.80E-09$	$-4.30E-09$

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



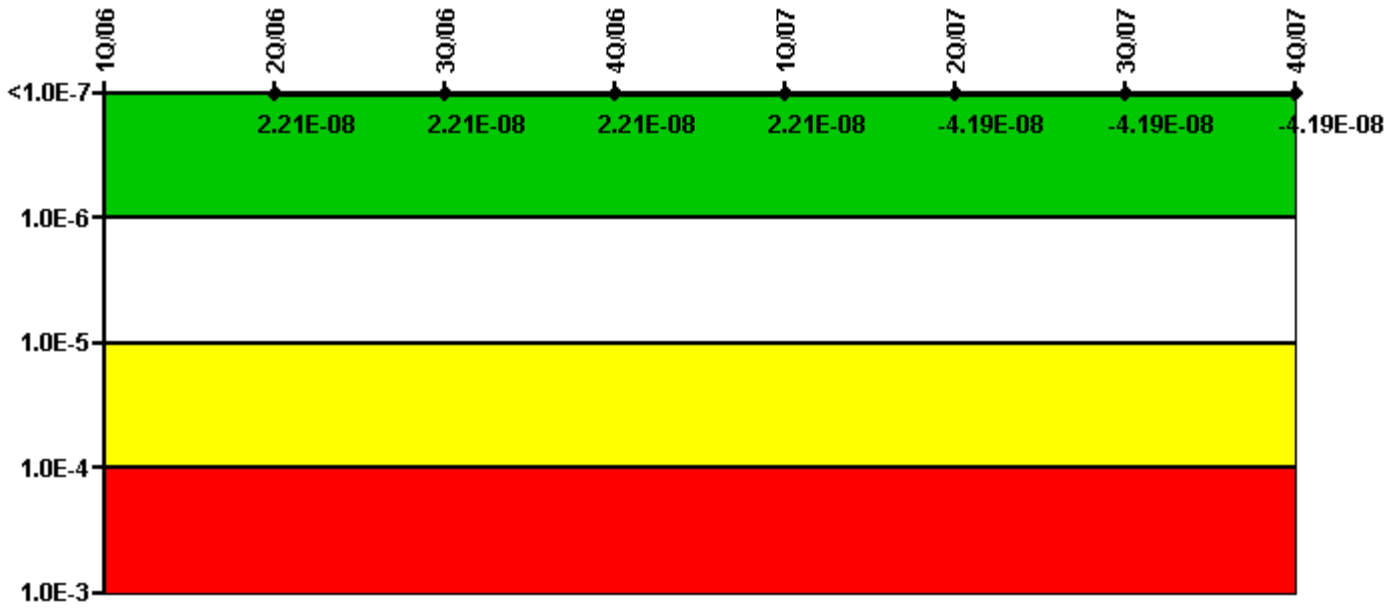
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		$1.30E-07$	$1.00E-07$	$1.00E-07$	$1.00E-07$	$3.40E-08$	$2.00E-08$	$3.10E-08$
URI (ΔCDF)		$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$	$-2.20E-08$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$1.08E-07$	$7.80E-08$	$7.80E-08$	$7.80E-08$	$1.20E-08$	$-2.00E-09$	$9.00E-09$

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



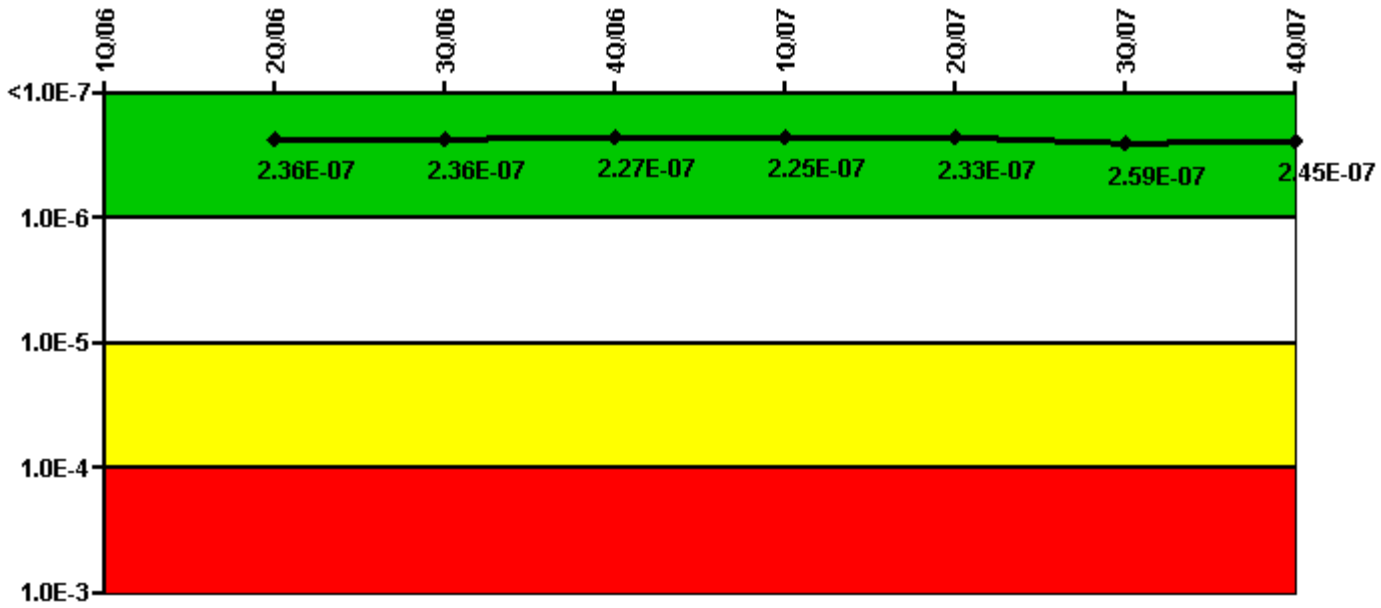
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		$-5.90E-09$	$-5.90E-09$	$-5.90E-09$	$-5.90E-09$	$-5.90E-09$	$-5.90E-09$	$-5.90E-09$
URI (Δ CDF)		$2.80E-08$	$2.80E-08$	$2.80E-08$	$2.80E-08$	$-3.60E-08$	$-3.60E-08$	$-3.60E-08$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$2.21E-08$	$2.21E-08$	$2.21E-08$	$2.21E-08$	$-4.19E-08$	$-4.19E-08$	$-4.19E-08$

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



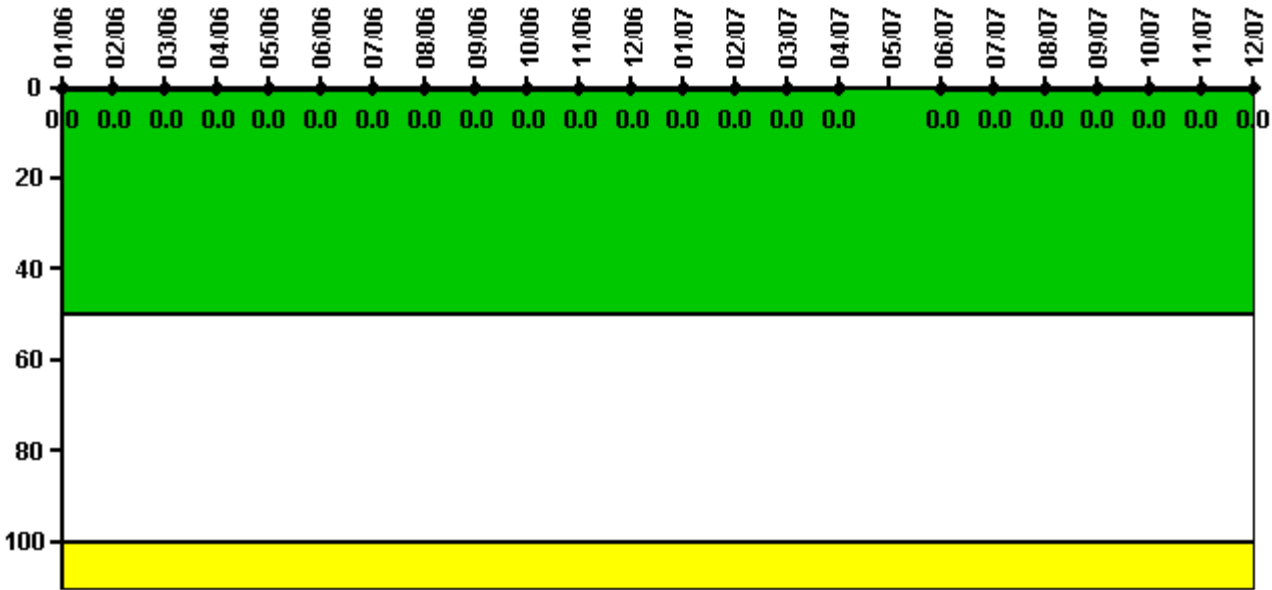
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		-4.40E-08	-4.40E-08	-5.30E-08	-5.50E-08	-4.70E-08	-2.10E-08	-3.50E-08
URI (ΔCDF)		2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		2.36E-07	2.36E-07	2.27E-07	2.25E-07	2.33E-07	2.59E-07	2.45E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

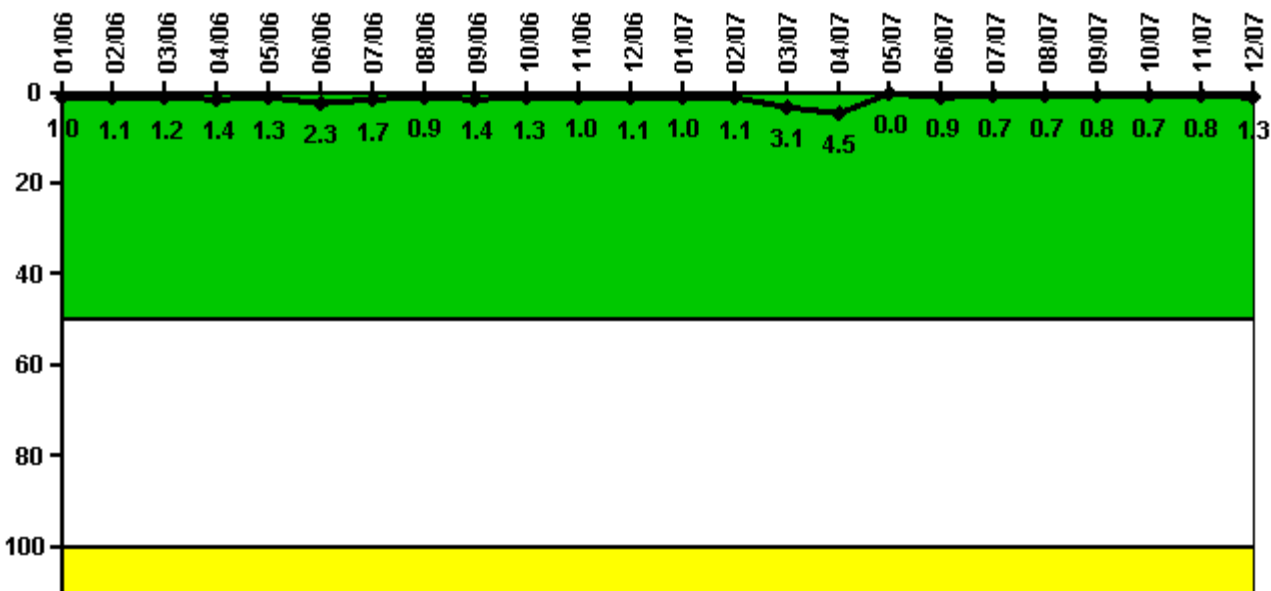
Notes

Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.000167	0.000193	0.000175	0.000197	0.000206	0.000195	0.000212	0.000221	0.000222	0.000227	0.000232	0.000242
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

Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.000276	0.000248	0.000301	0.000197	N/A	0.000070	0.000070	0.000065	0.000099	0.000092	0.000100	0.000101
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	N/A	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



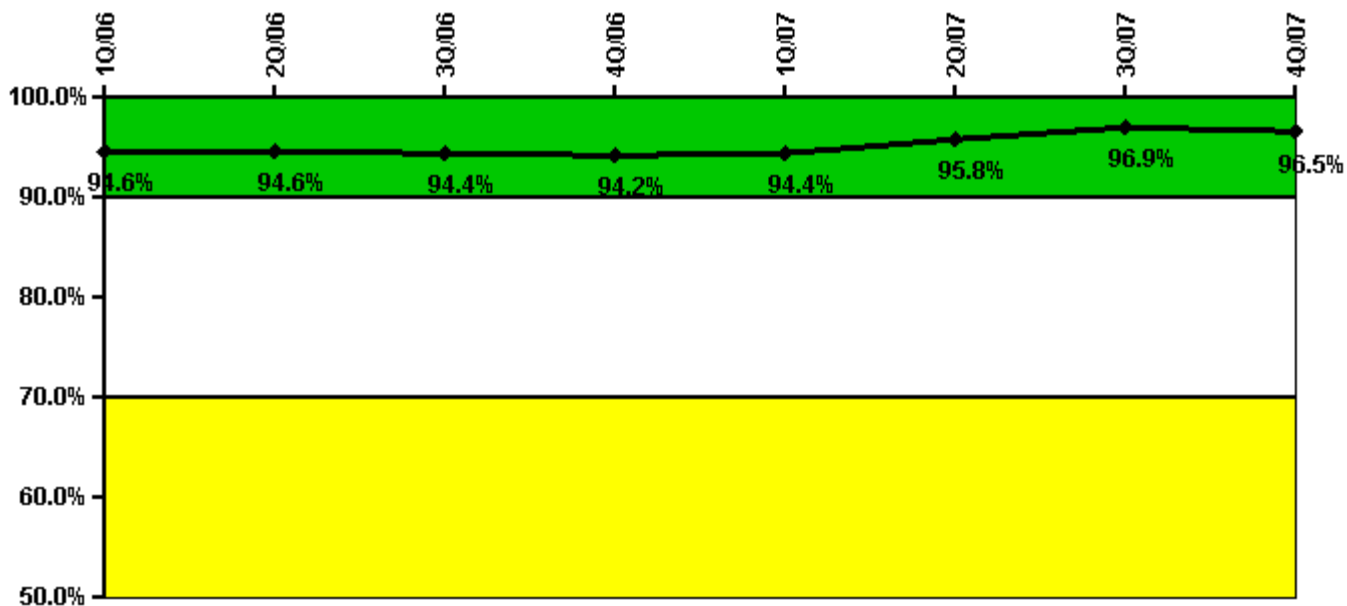
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.097	0.105	0.122	0.140	0.128	0.233	0.168	0.093	0.136	0.130	0.095	0.107
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	1.0	1.1	1.2	1.4	1.3	2.3	1.7	0.9	1.4	1.3	1.0	1.1
Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.100	0.112	0.309	0.446	0	0.087	0.073	0.074	0.083	0.071	0.079	0.126
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	1.0	1.1	3.1	4.5	0	0.9	0.7	0.7	0.8	0.7	0.8	1.3

Licensee Comments: none

Drill/Exercise Performance



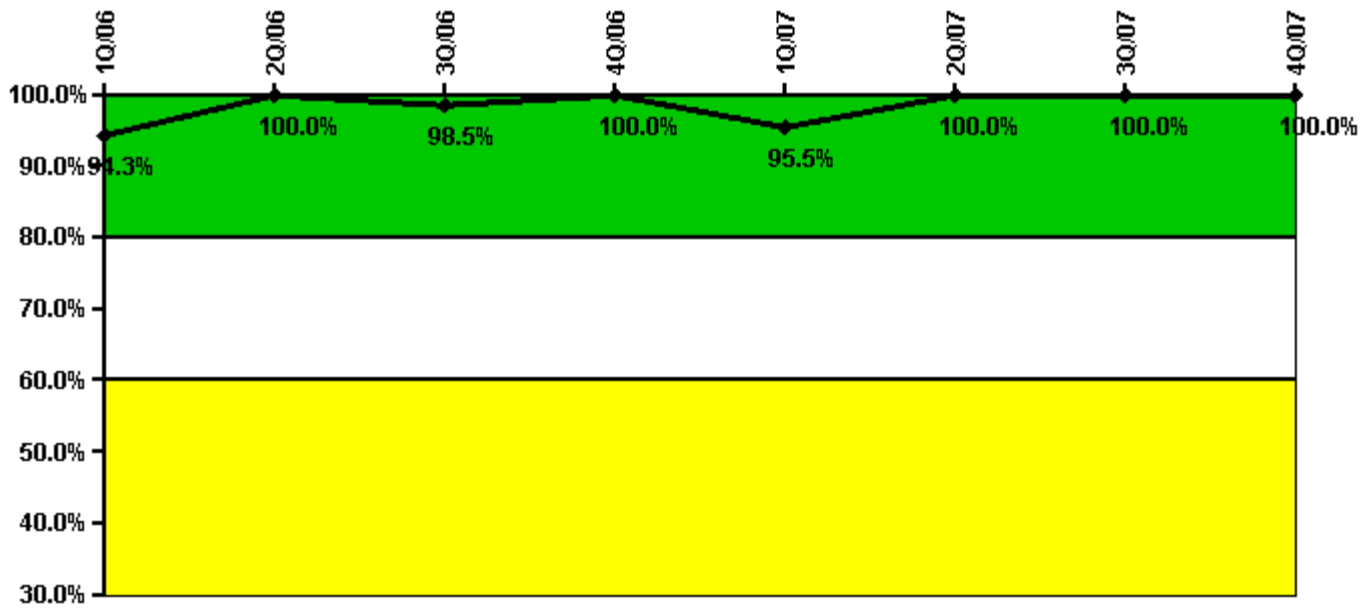
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	236.0	15.0	18.0	27.0	31.0	28.0	28.0	90.0
Total opportunities	241.0	16.0	20.0	31.0	31.0	28.0	33.0	90.0
Indicator value	94.6%	94.6%	94.4%	94.2%	94.4%	95.8%	96.9%	96.5%

Licensee Comments: none

ERO Drill Participation



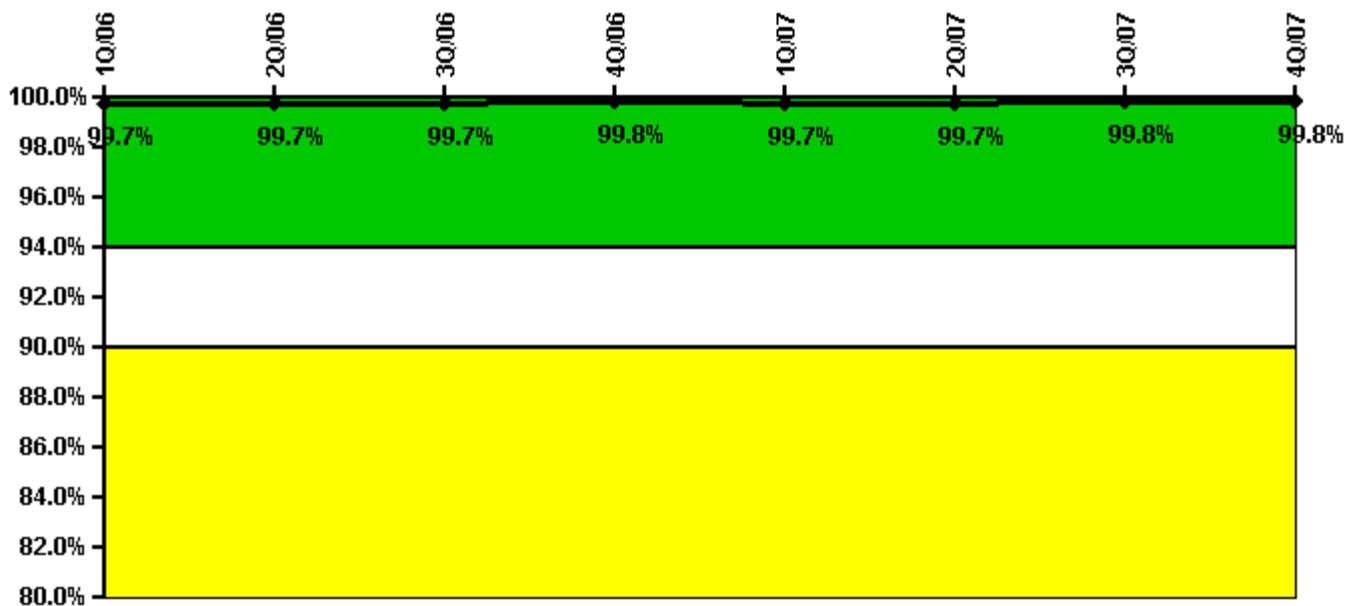
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	66.0	71.0	66.0	69.0	64.0	76.0	79.0	78.0
Total Key personnel	70.0	71.0	67.0	69.0	67.0	76.0	79.0	78.0
Indicator value	94.3%	100.0%	98.5%	100.0%	95.5%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



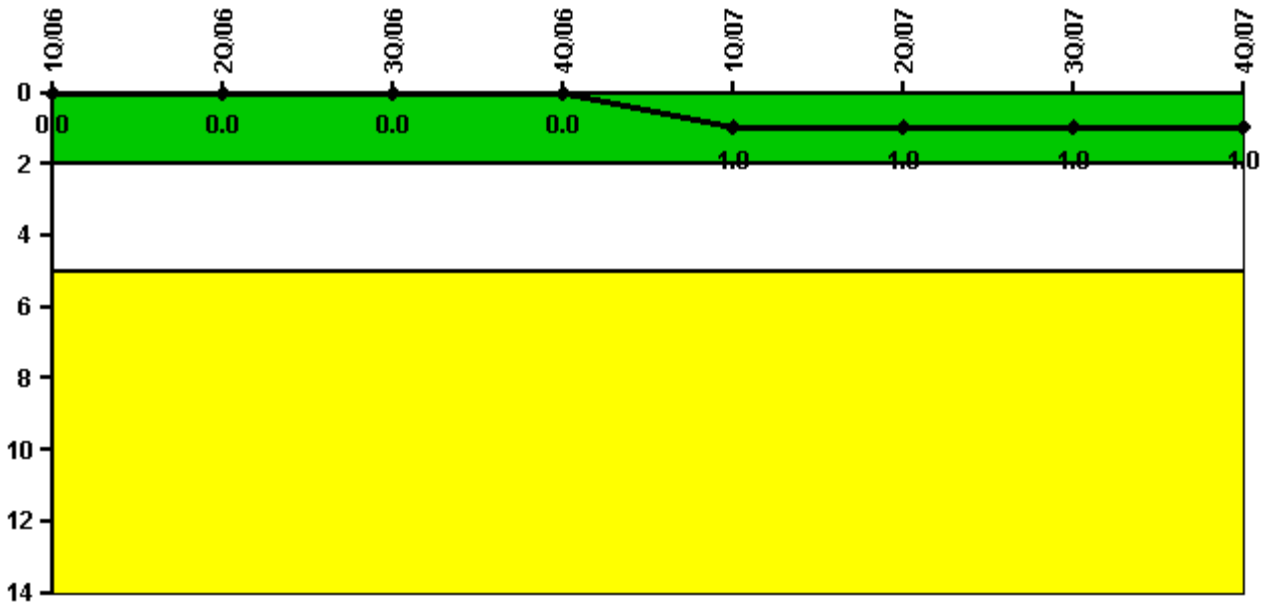
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	1043	916	1307	913	1045	916	1309	915
Total sirens-tests	1045	917	1310	917	1048	917	1310	917
Indicator value	99.7%	99.7%	99.7%	99.8%	99.7%	99.7%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



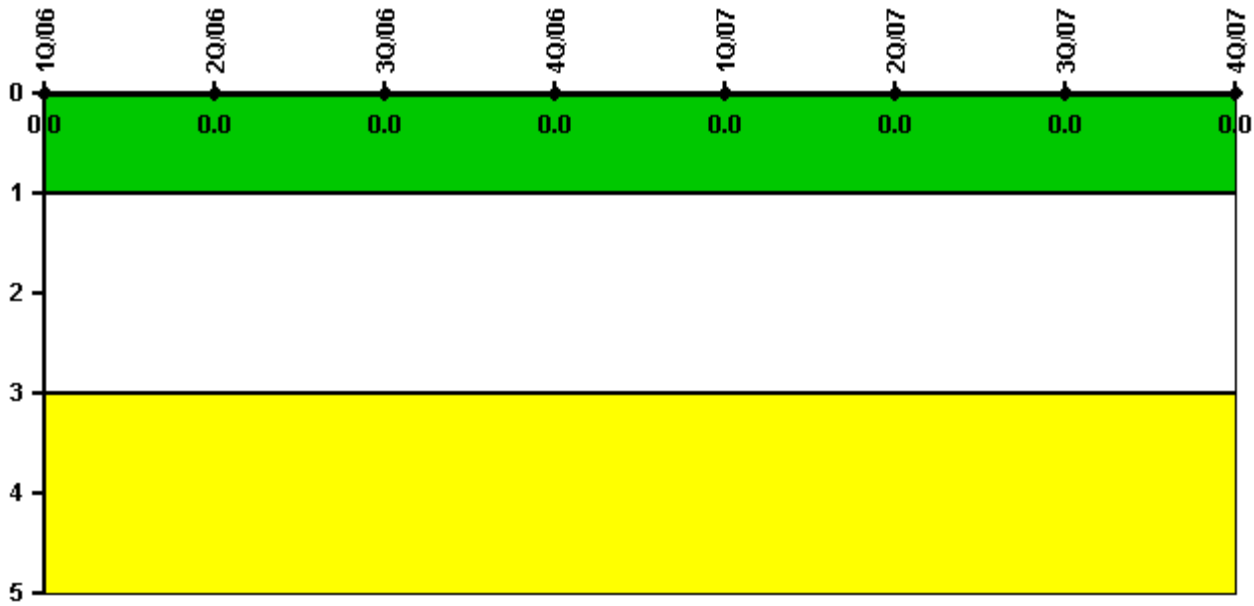
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	1	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	1	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

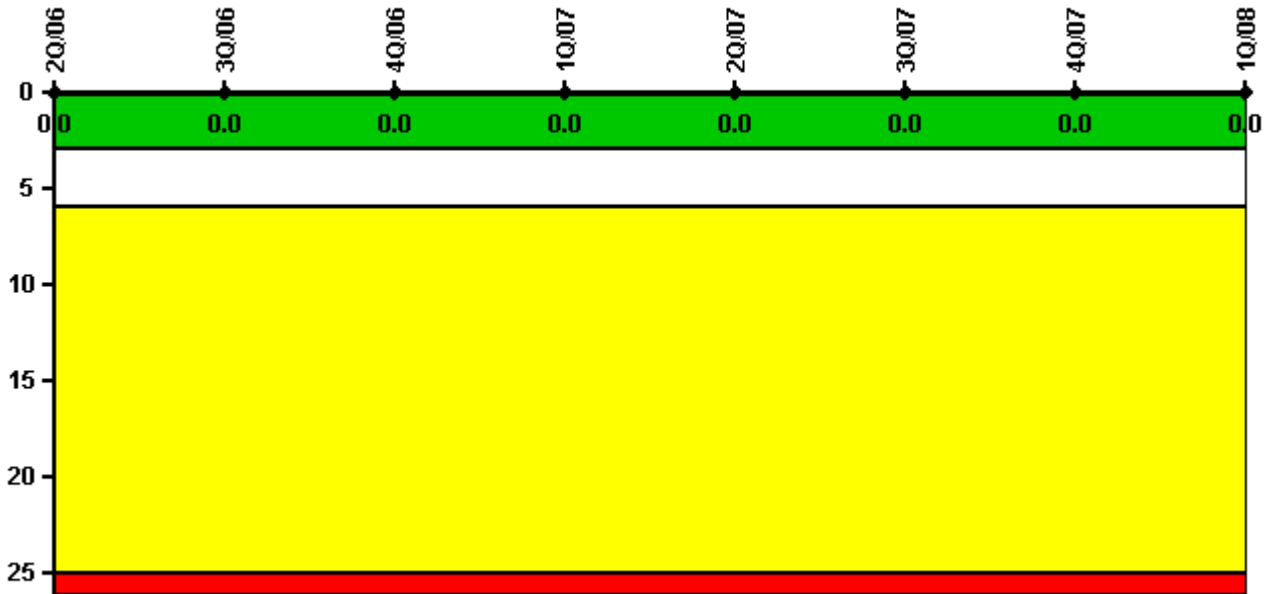
[Physical Protection](#) information not publicly available.

Diablo Canyon 1

1Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



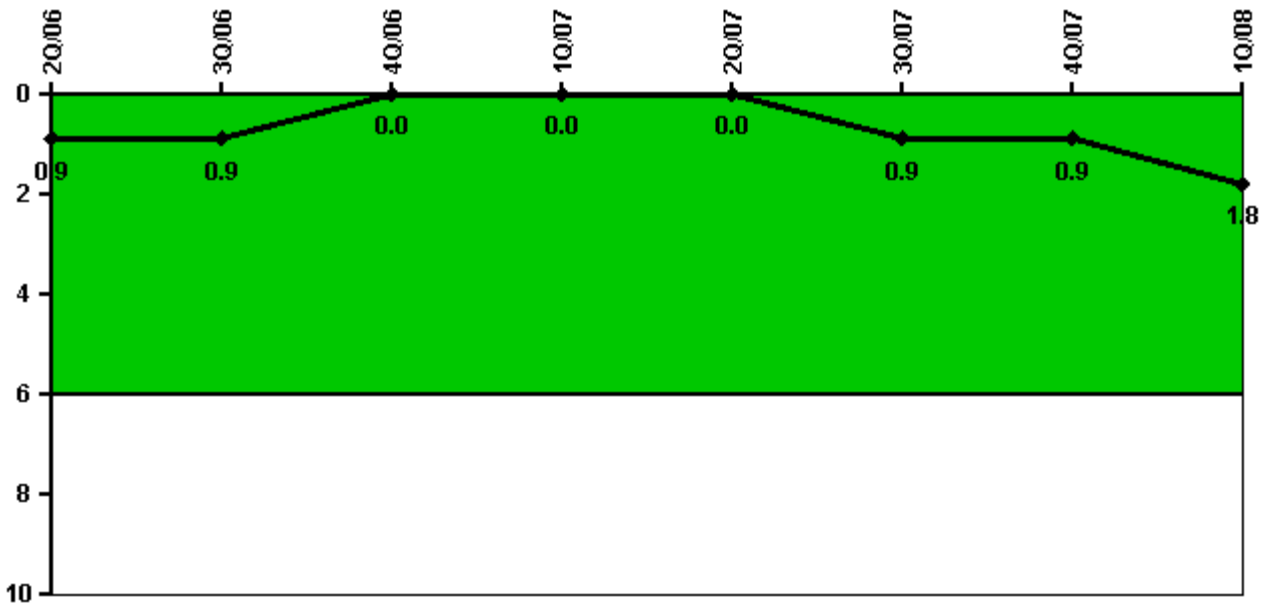
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2159.0	1500.2	2085.6	2209.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



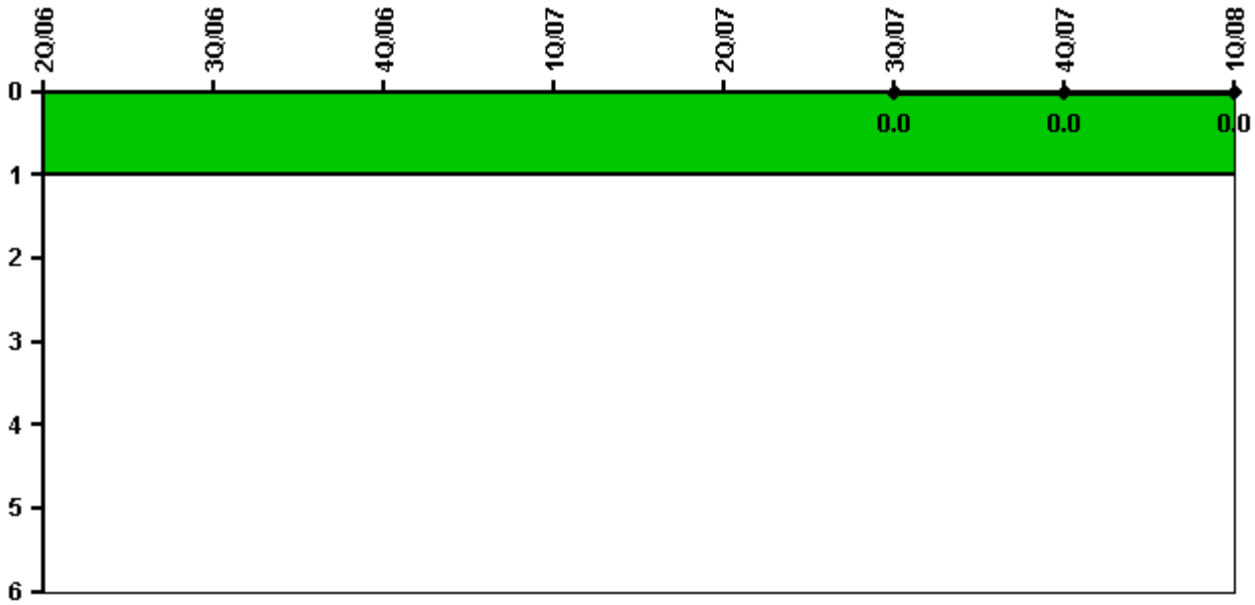
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	0	0	1.0	0	1.0
Critical hours	2183.0	2208.0	2209.0	2159.0	1500.2	2085.6	2209.0	2183.0
Indicator value	0.9	0.9	0	0	0	0.9	0.9	1.8

Licensee Comments: none

Unplanned Scrams with Complications



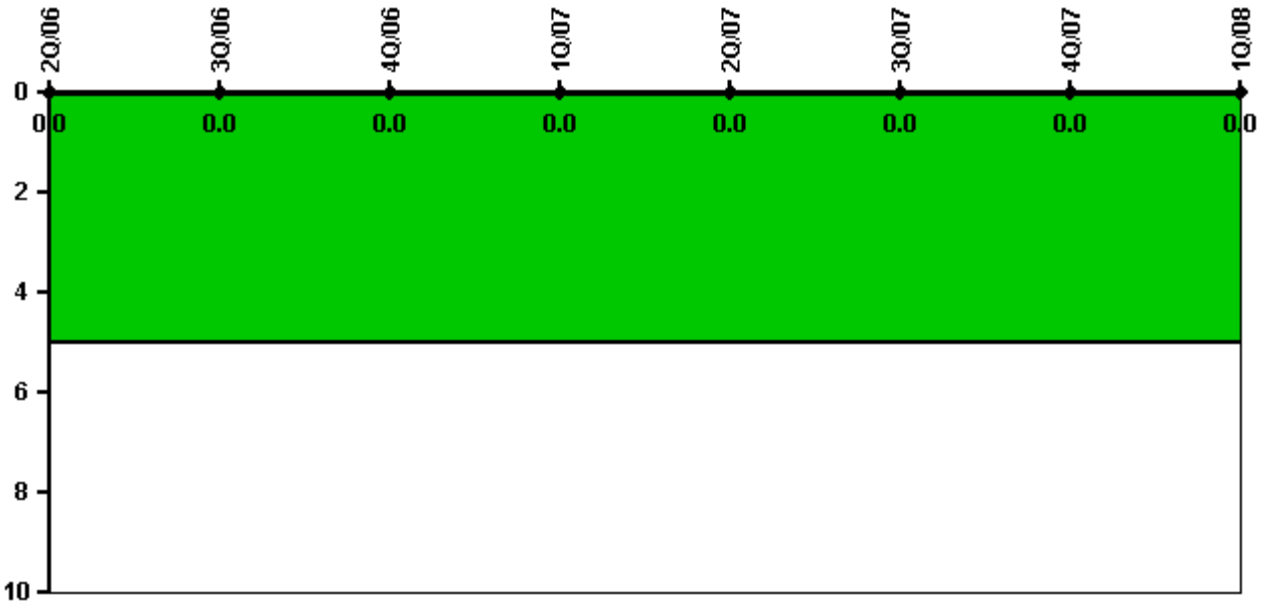
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	0	0	0	0
Indicator value						0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



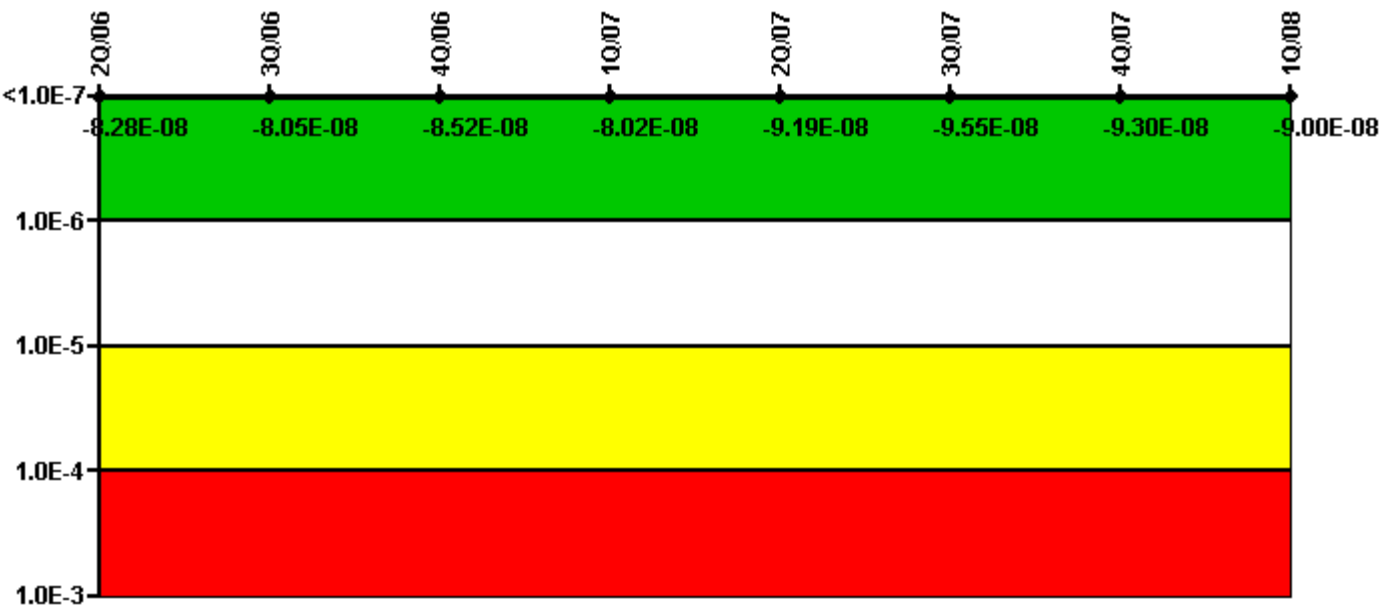
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



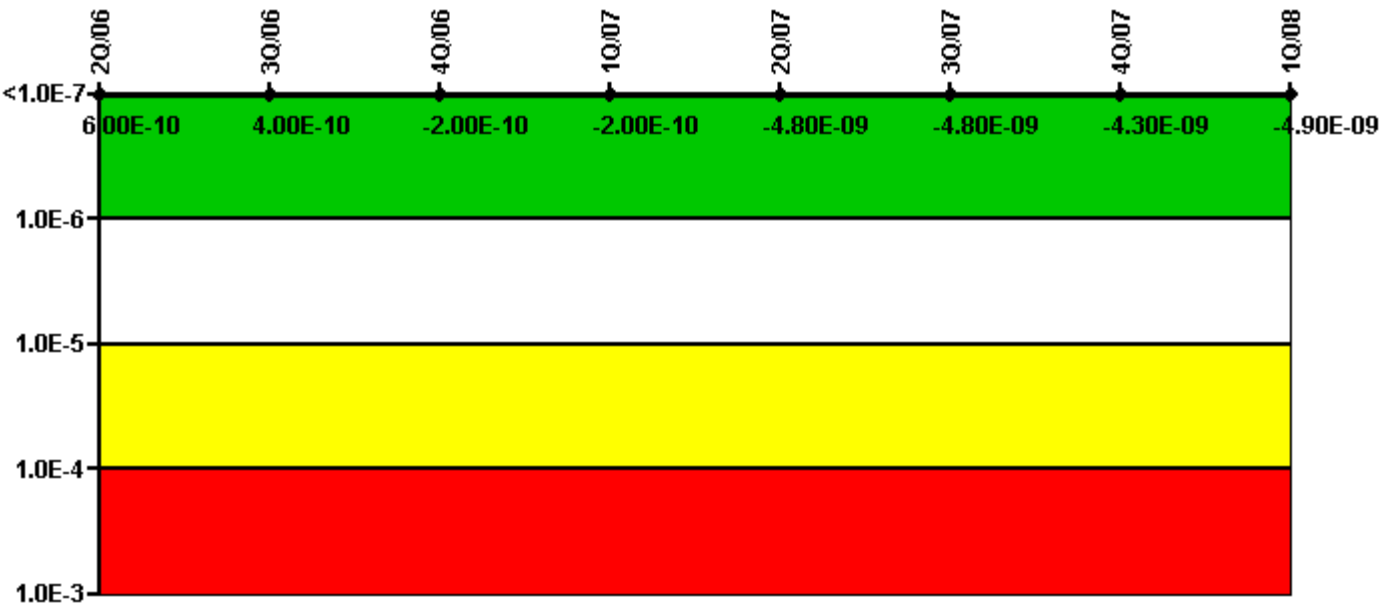
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	3.20E-09	5.50E-09	7.80E-10	5.80E-09	4.10E-09	5.20E-10	3.00E-09	6.00E-09
URI (ΔCDF)	-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.28E-08	-8.05E-08	-8.52E-08	-8.02E-08	-9.19E-08	-9.55E-08	-9.30E-08	-9.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



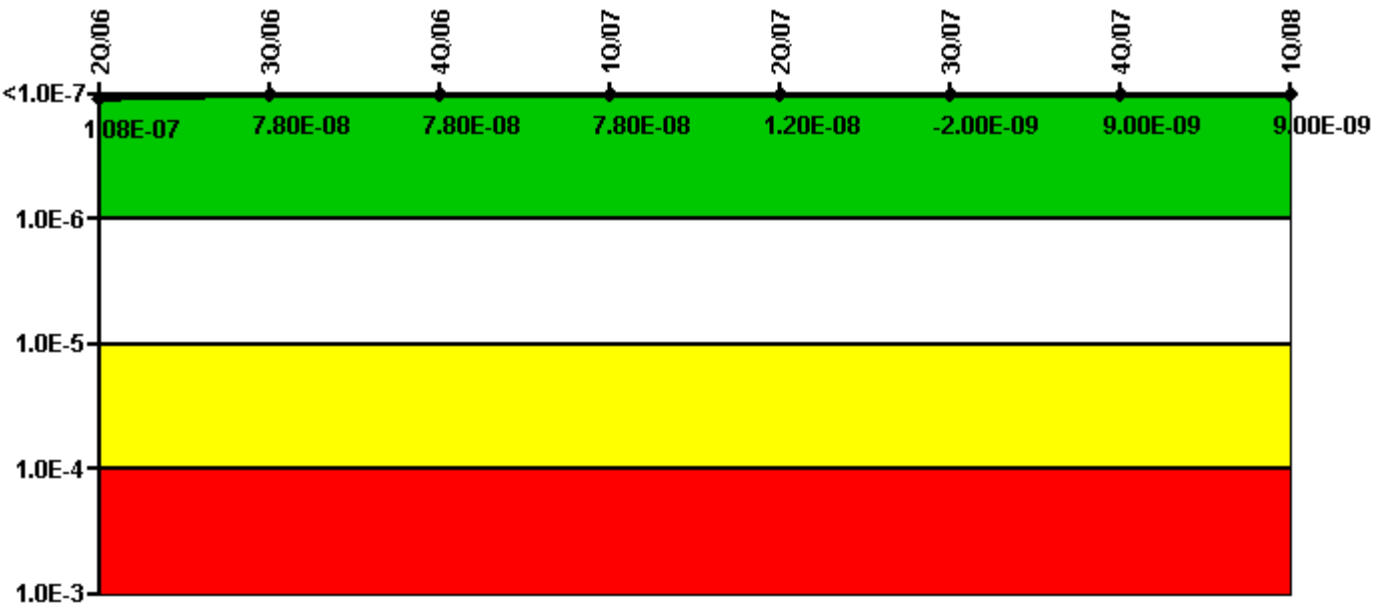
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-1.00E-09	-1.20E-09	-1.80E-09	-1.80E-09	-3.30E-09	-3.30E-09	-2.80E-09	-3.40E-09
URI (Δ CDF)	1.60E-09	1.60E-09	1.60E-09	1.60E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.00E-10	4.00E-10	-2.00E-10	-2.00E-10	-4.80E-09	-4.80E-09	-4.30E-09	-4.90E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



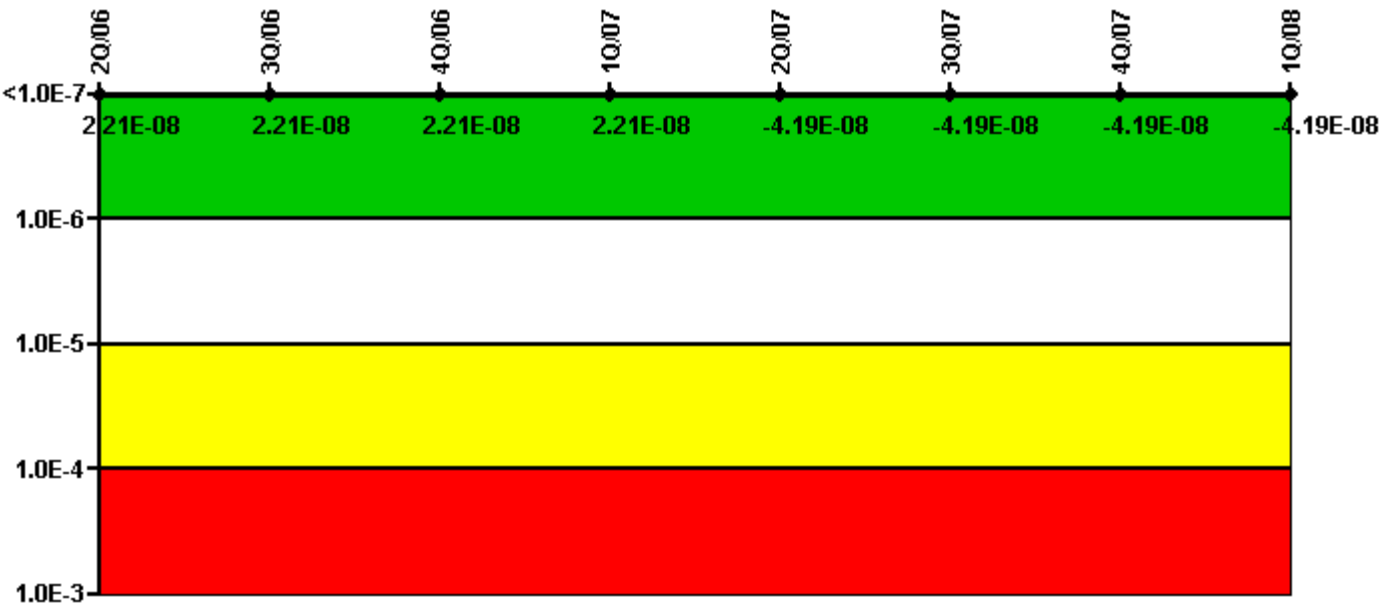
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	1.30E-07	1.00E-07	1.00E-07	1.00E-07	3.40E-08	2.00E-08	3.10E-08	3.10E-08
URI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.08E-07	7.80E-08	7.80E-08	7.80E-08	1.20E-08	-2.00E-09	9.00E-09	9.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



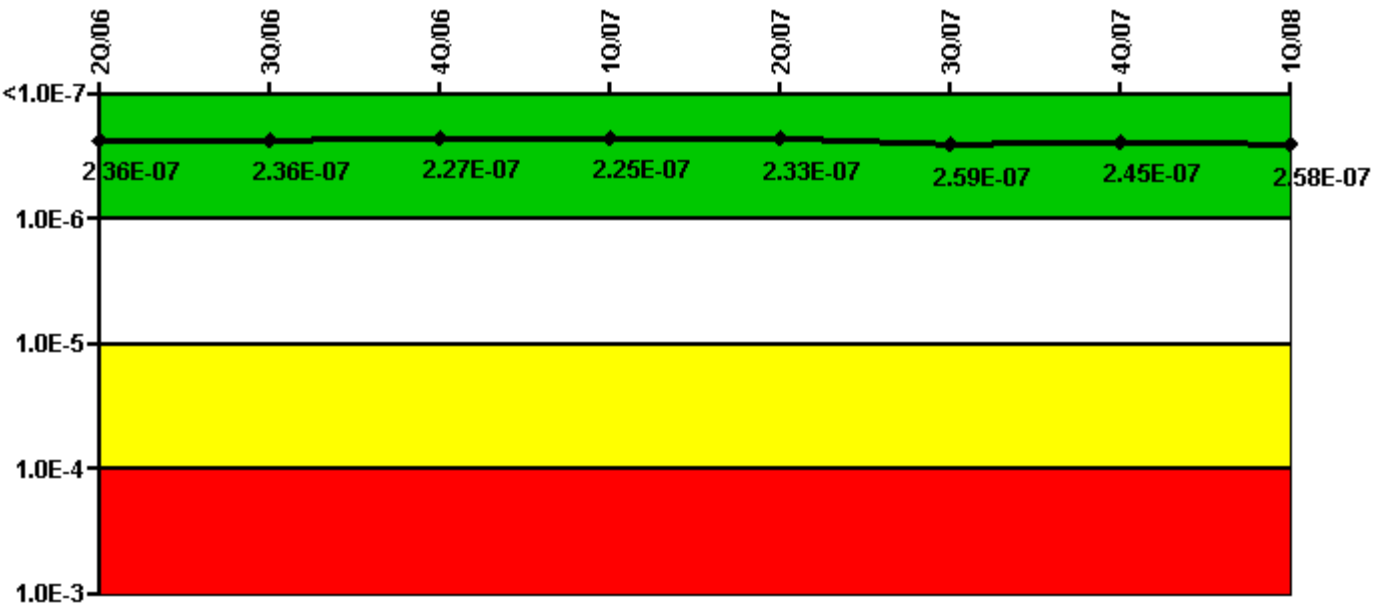
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09
URI (Δ CDF)	2.80E-08	2.80E-08	2.80E-08	2.80E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.21E-08	2.21E-08	2.21E-08	2.21E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



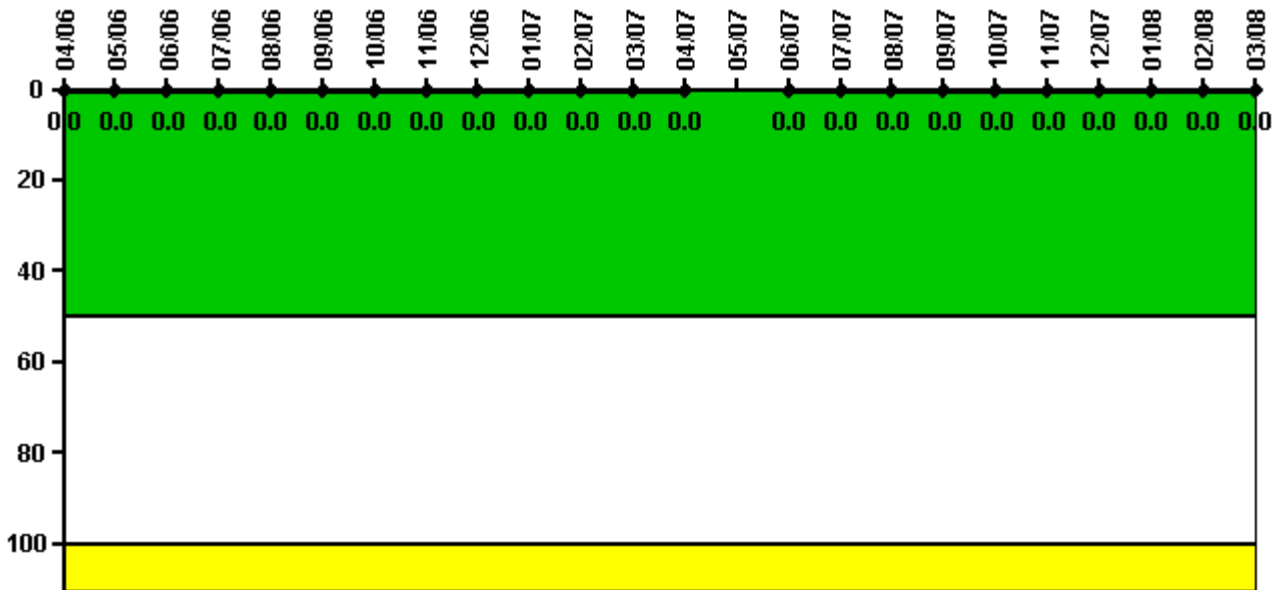
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-4.40E-08	-4.40E-08	-5.30E-08	-5.50E-08	-4.70E-08	-2.10E-08	-3.50E-08	-2.20E-08
URI (Δ CDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.36E-07	2.36E-07	2.27E-07	2.25E-07	2.33E-07	2.59E-07	2.45E-07	2.58E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

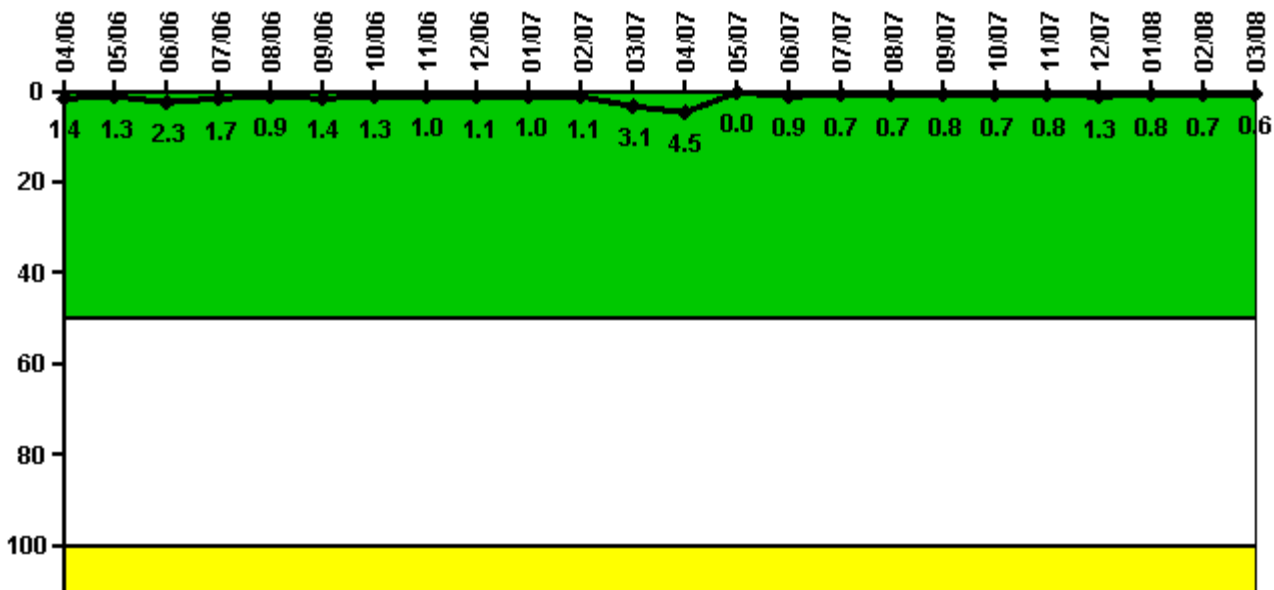
Notes

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.000197	0.000206	0.000195	0.000212	0.000221	0.000222	0.000227	0.000232	0.000242	0.000276	0.000248	0.000301
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

Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.000197	N/A	0.000070	0.000070	0.000065	0.000099	0.000092	0.000100	0.000101	0.000108	0.000108	0.000111
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	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



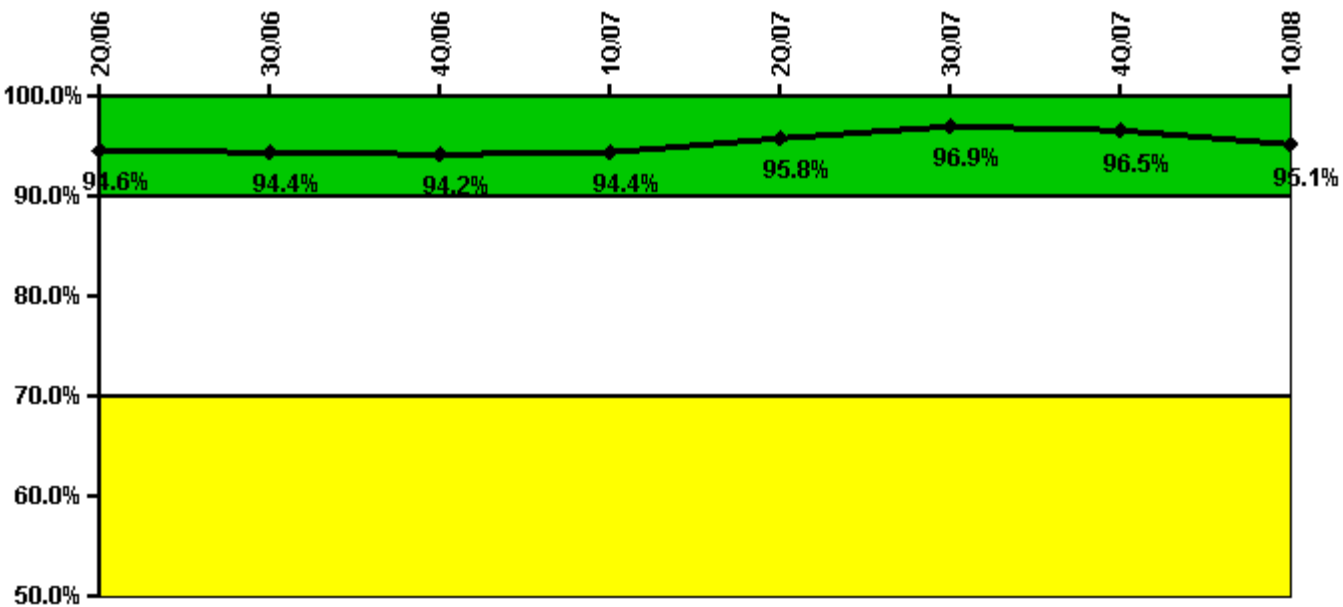
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.140	0.128	0.233	0.168	0.093	0.136	0.130	0.095	0.107	0.100	0.112	0.309
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	1.4	1.3	2.3	1.7	0.9	1.4	1.3	1.0	1.1	1.0	1.1	3.1
Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.446	0	0.087	0.073	0.074	0.083	0.071	0.079	0.126	0.075	0.074	0.062
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	4.5	0	0.9	0.7	0.7	0.8	0.7	0.8	1.3	0.8	0.7	0.6

Licensee Comments: none

Drill/Exercise Performance



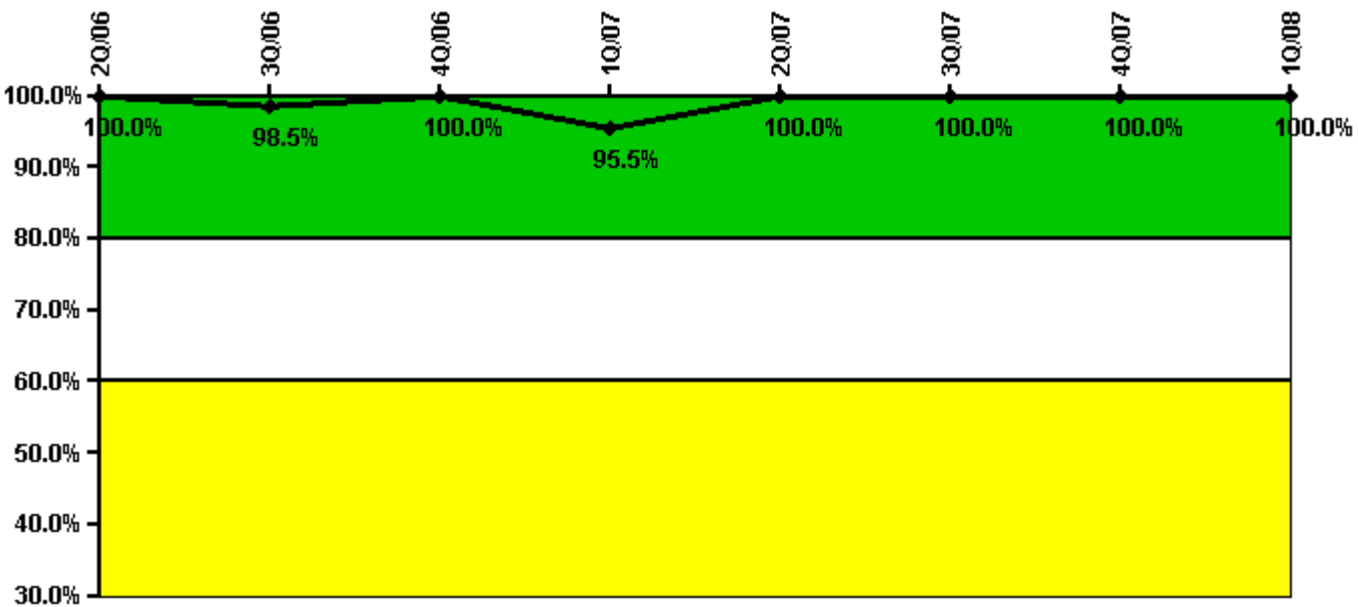
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	15.0	18.0	27.0	31.0	28.0	28.0	90.0	17.0
Total opportunities	16.0	20.0	31.0	31.0	28.0	33.0	90.0	18.0
Indicator value	94.6%	94.4%	94.2%	94.4%	95.8%	96.9%	96.5%	95.1%

Licensee Comments: none

ERO Drill Participation



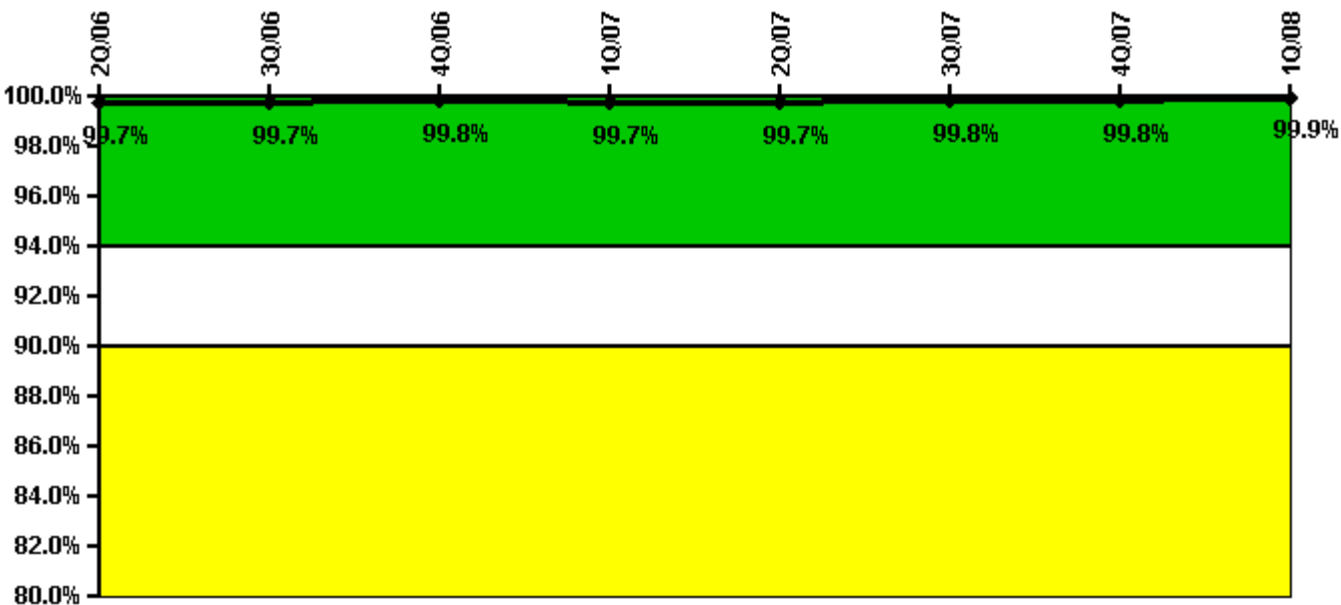
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	71.0	66.0	69.0	64.0	76.0	79.0	78.0	71.0
Total Key personnel	71.0	67.0	69.0	67.0	76.0	79.0	78.0	71.0
Indicator value	100.0%	98.5%	100.0%	95.5%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



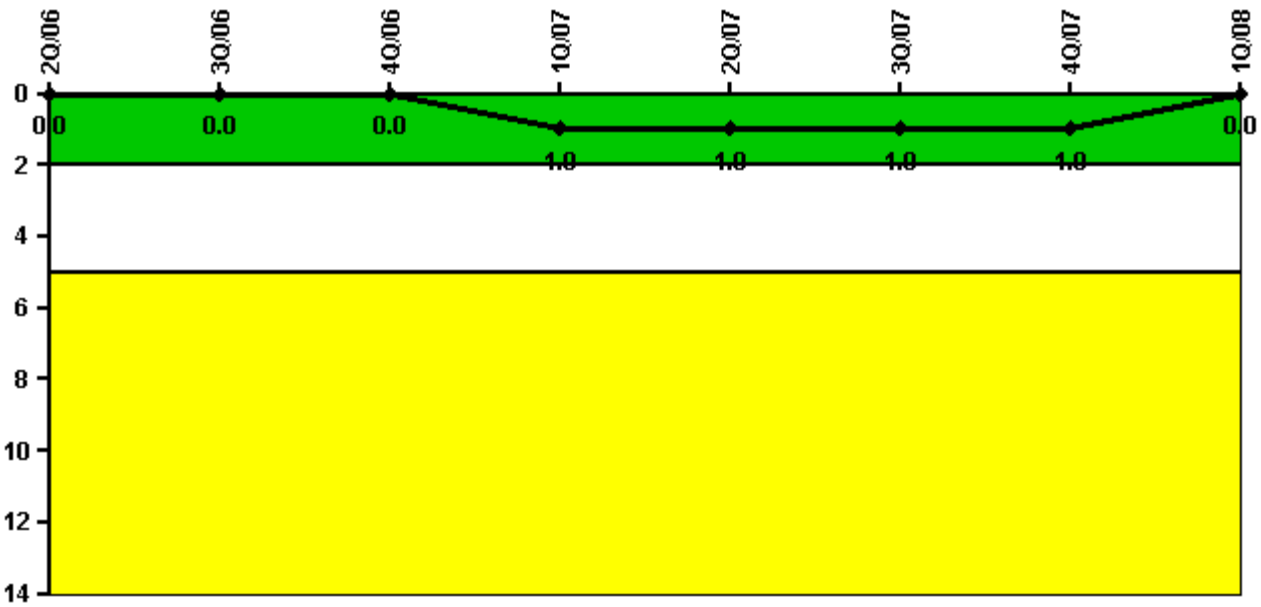
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	916	1307	913	1045	916	1309	915	1048
Total sirens-tests	917	1310	917	1048	917	1310	917	1048
Indicator value	99.7%	99.7%	99.8%	99.7%	99.7%	99.8%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



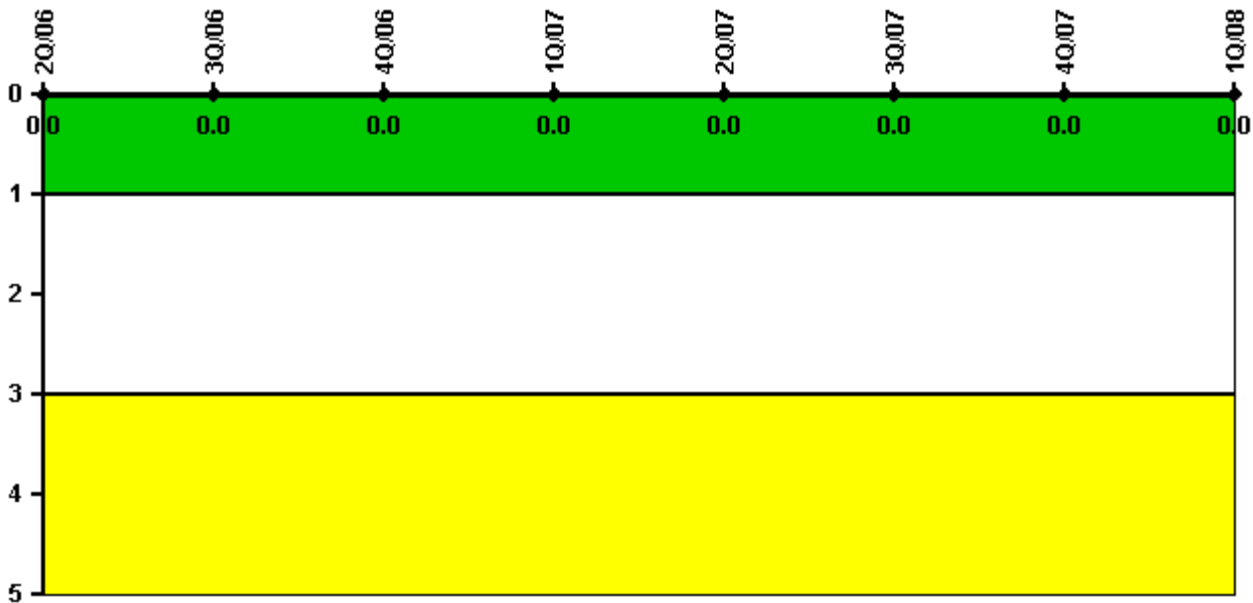
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	1	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	1	1	1	1	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

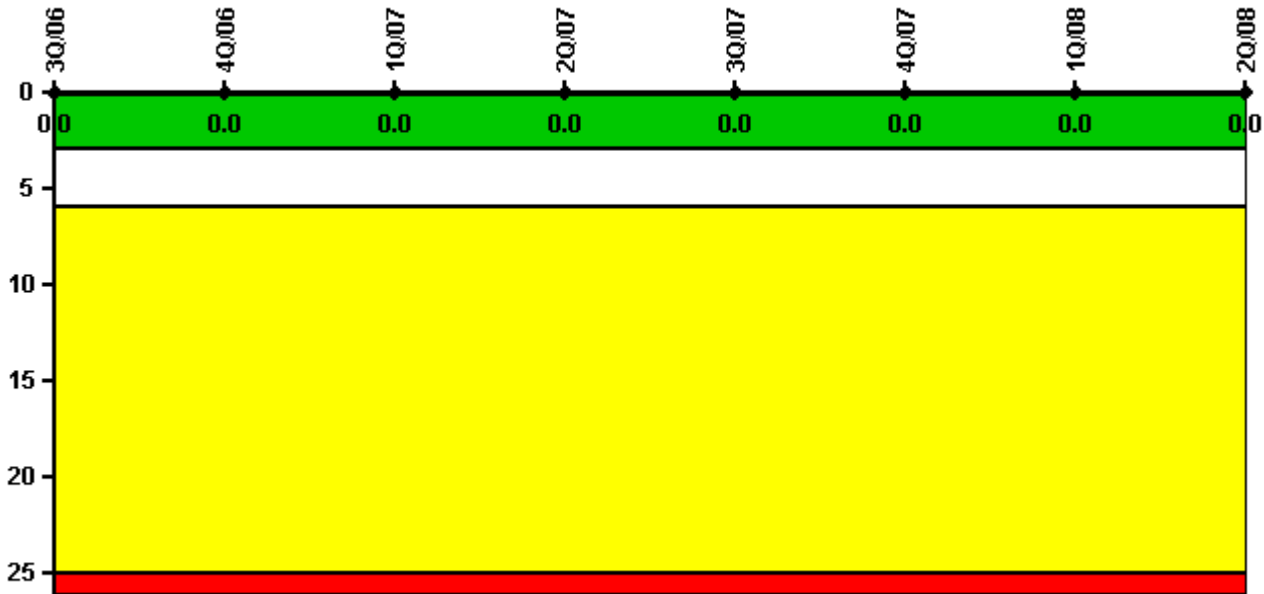
Last Modified: April 30, 2008

Diablo Canyon 1

2Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



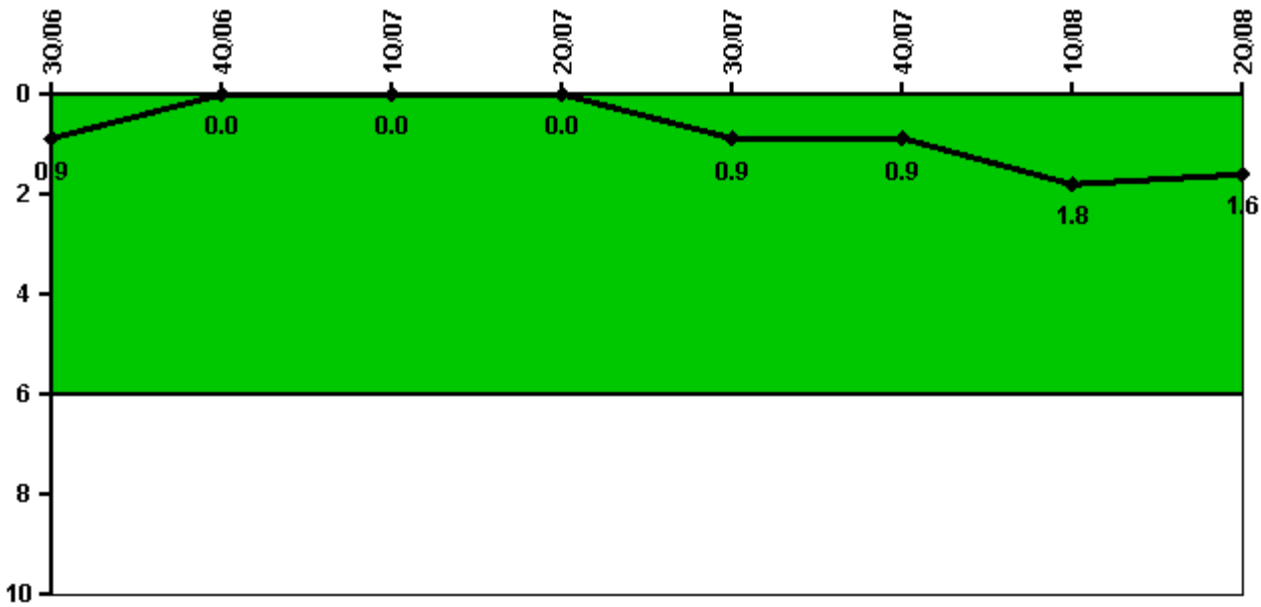
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1500.2	2085.6	2209.0	2183.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



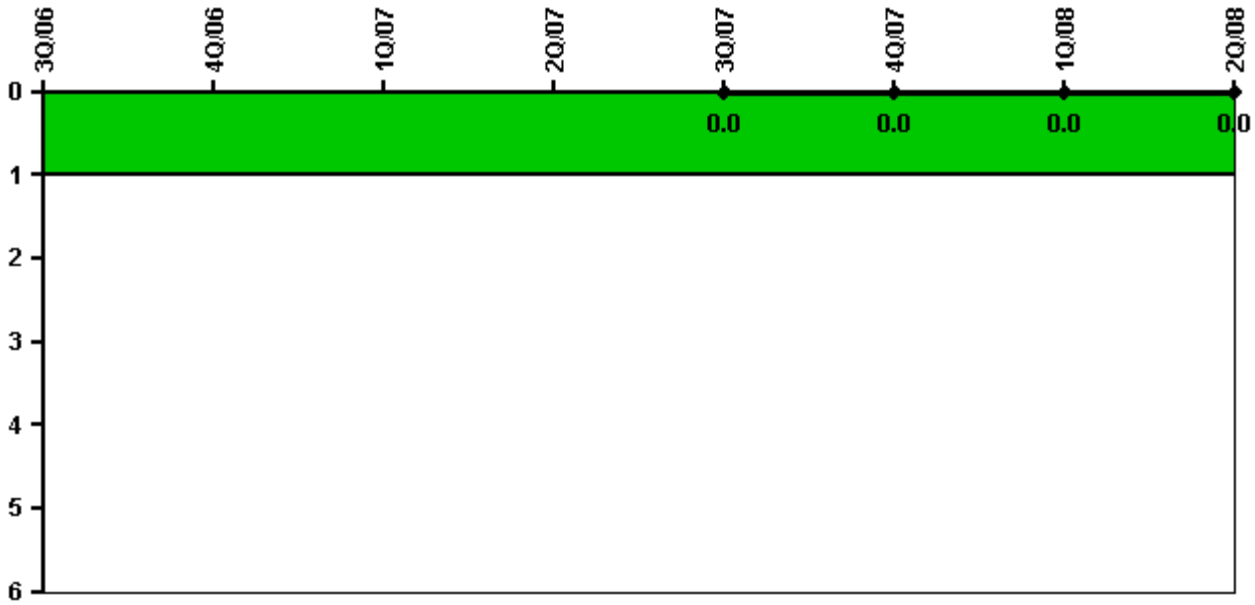
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	1500.2	2085.6	2209.0	2183.0	2184.0
Indicator value	0.9	0	0	0	0.9	0.9	1.8	1.6

Licensee Comments: none

Unplanned Scrams with Complications



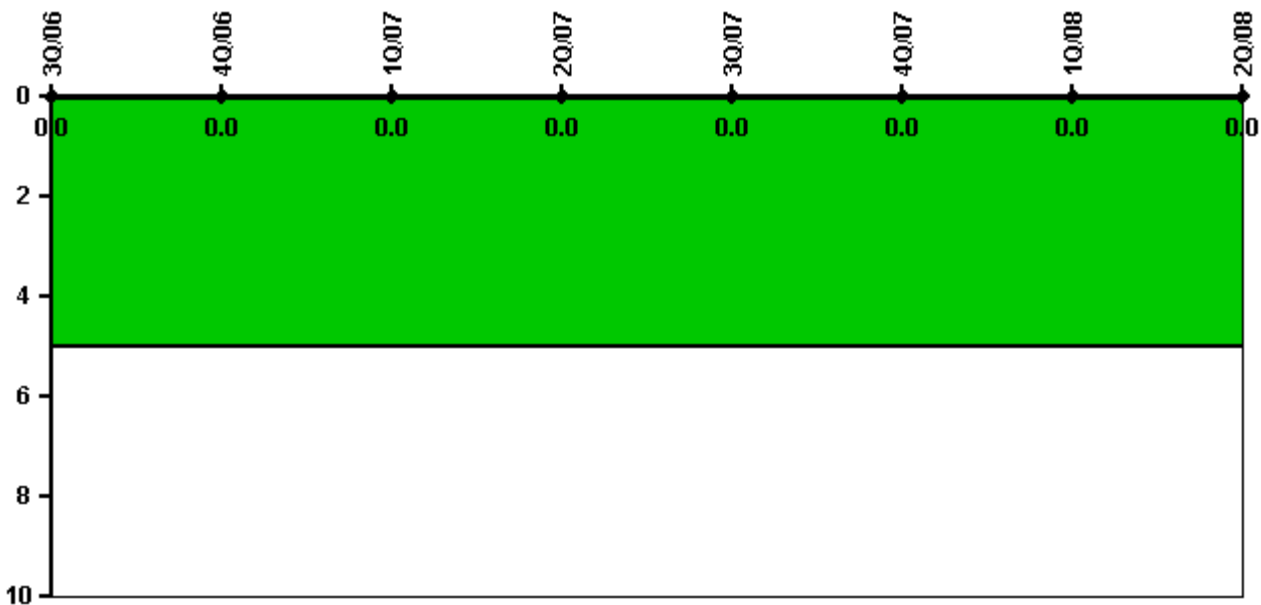
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		0	0	0	0	0	0	0
Indicator value					0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



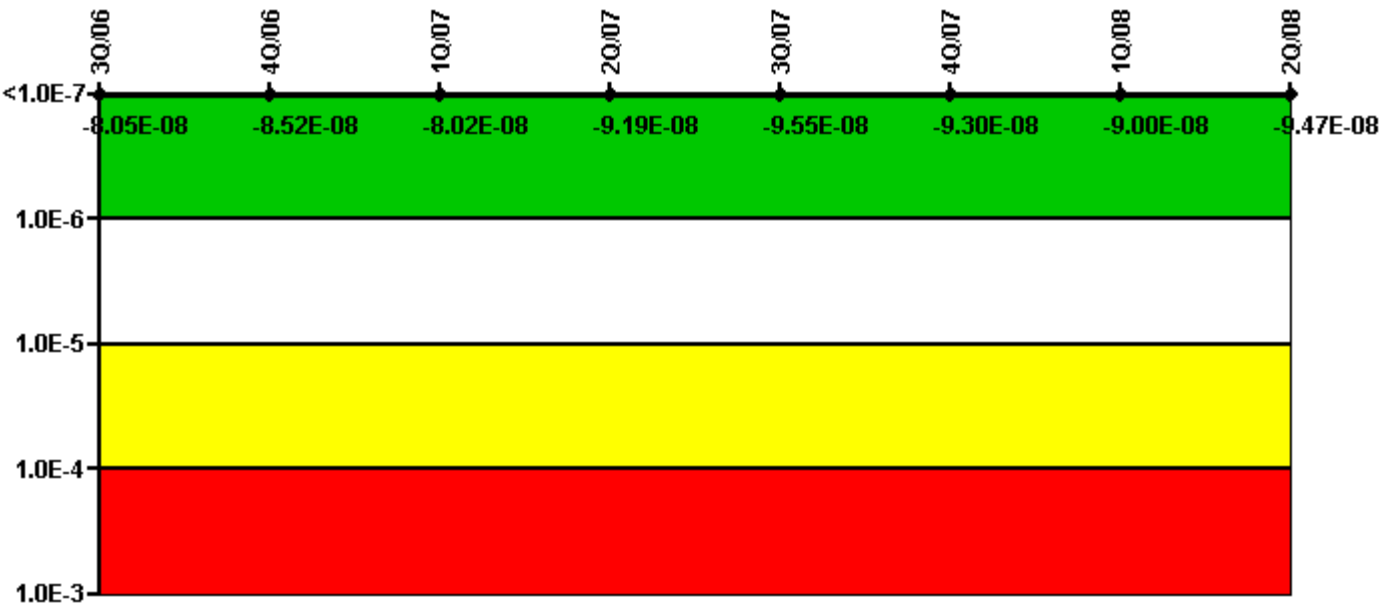
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



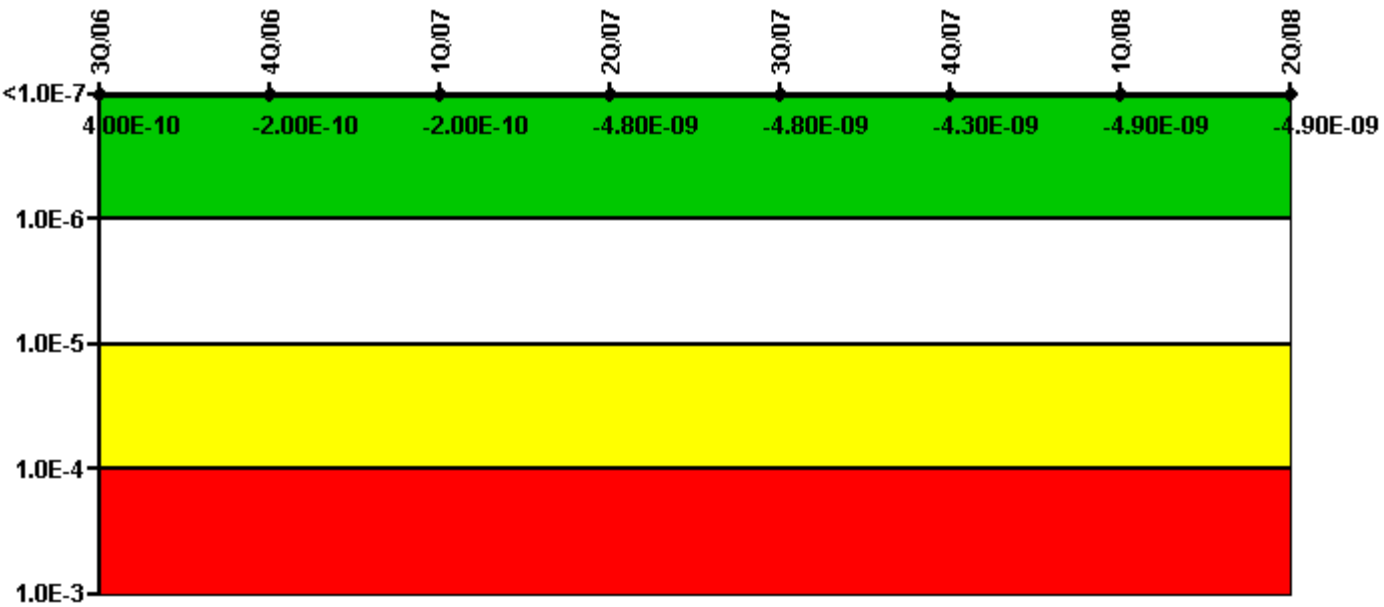
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	5.50E-09	7.80E-10	5.80E-09	4.10E-09	5.20E-10	3.00E-09	6.00E-09	1.30E-09
URI (Δ CDF)	-8.60E-08	-8.60E-08	-8.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.05E-08	-8.52E-08	-8.02E-08	-9.19E-08	-9.55E-08	-9.30E-08	-9.00E-08	-9.47E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



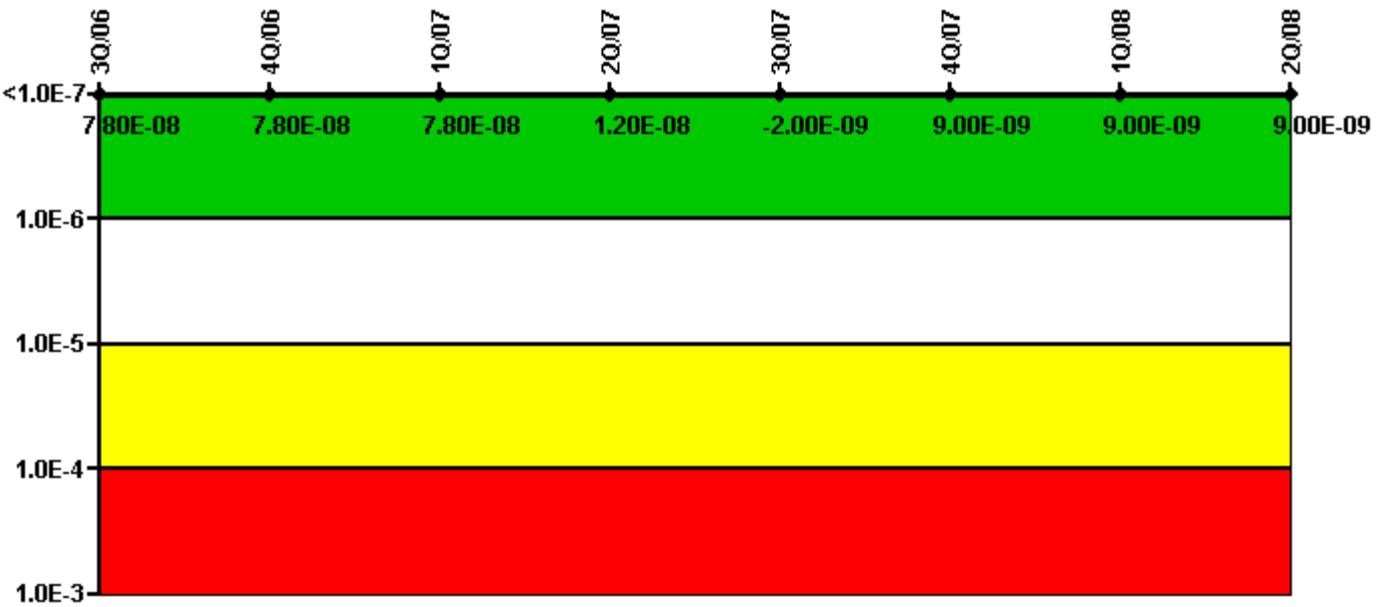
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-1.20E-09	-1.80E-09	-1.80E-09	-3.30E-09	-3.30E-09	-2.80E-09	-3.40E-09	-3.40E-09
URI (Δ CDF)	1.60E-09	1.60E-09	1.60E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.00E-10	-2.00E-10	-2.00E-10	-4.80E-09	-4.80E-09	-4.30E-09	-4.90E-09	-4.90E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



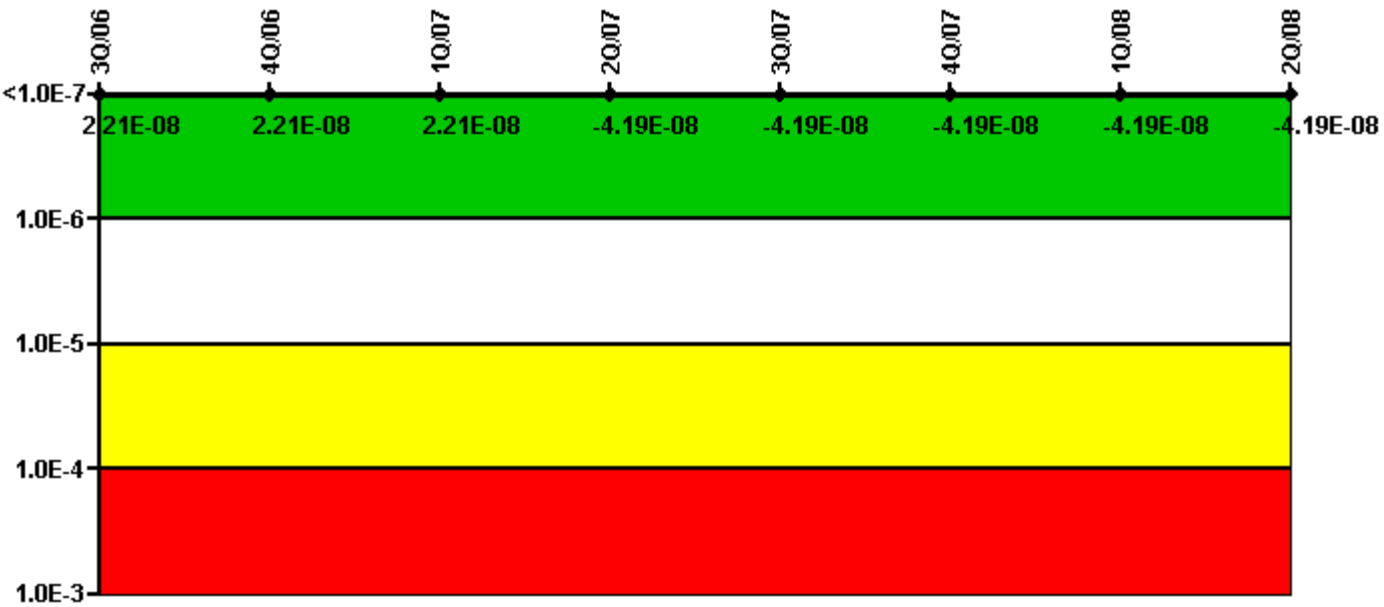
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	1.00E-07	1.00E-07	1.00E-07	3.40E-08	2.00E-08	3.10E-08	3.10E-08	3.10E-08
URI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.80E-08	7.80E-08	7.80E-08	1.20E-08	-2.00E-09	9.00E-09	9.00E-09	9.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



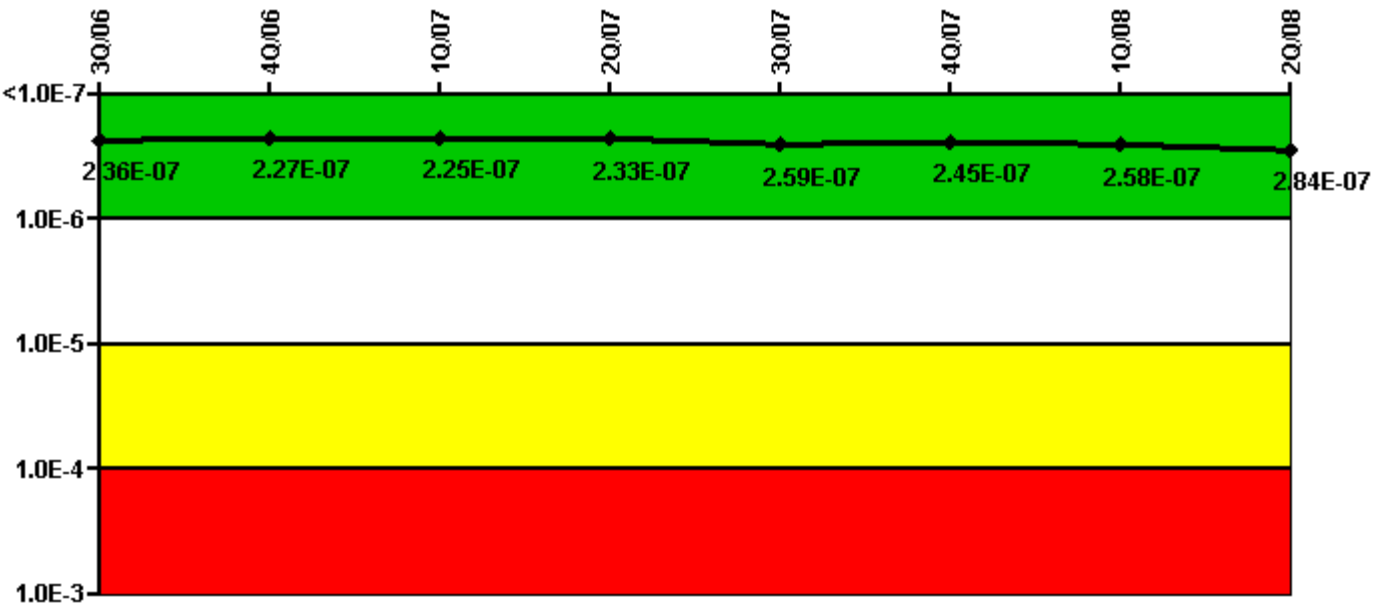
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09
URI (Δ CDF)	2.80E-08	2.80E-08	2.80E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.21E-08	2.21E-08	2.21E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



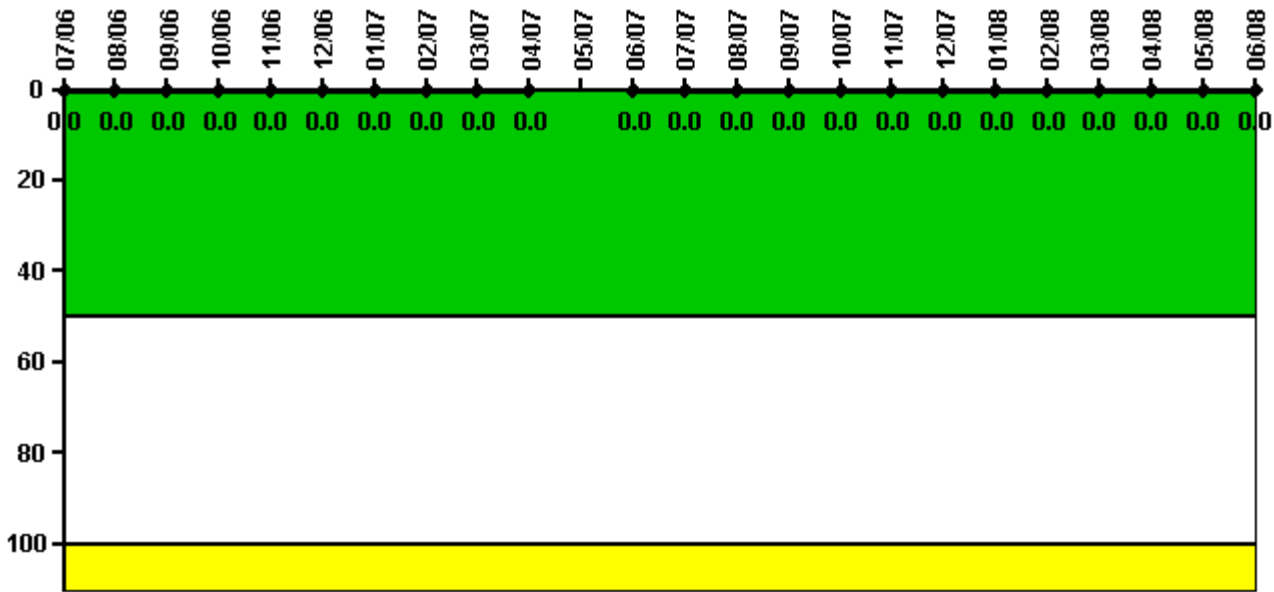
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-4.40E-08	-5.30E-08	-5.50E-08	-4.70E-08	-2.10E-08	-3.50E-08	-2.20E-08	3.50E-09
URI (Δ CDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.36E-07	2.27E-07	2.25E-07	2.33E-07	2.59E-07	2.45E-07	2.58E-07	2.84E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

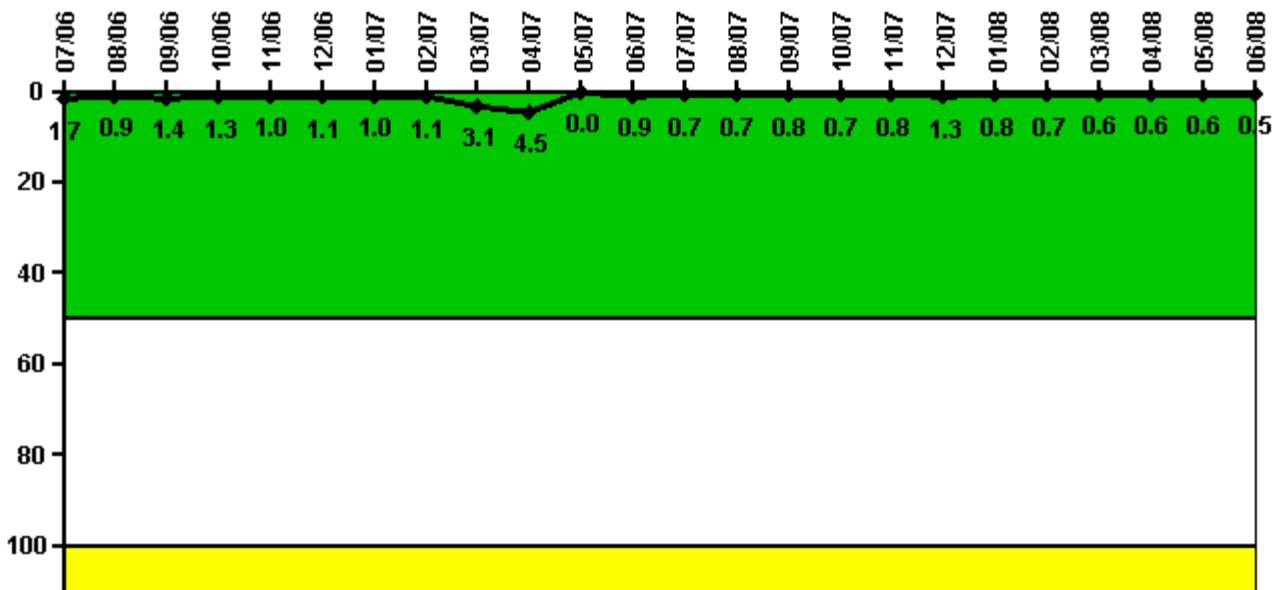
Notes

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000212	0.000221	0.000222	0.000227	0.000232	0.000242	0.000276	0.000248	0.000301	0.000197	N/A	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	N/A	0

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000070	0.000065	0.000099	0.000092	0.000100	0.000101	0.000108	0.000108	0.000111	0.000122	0.000119	0.000127
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



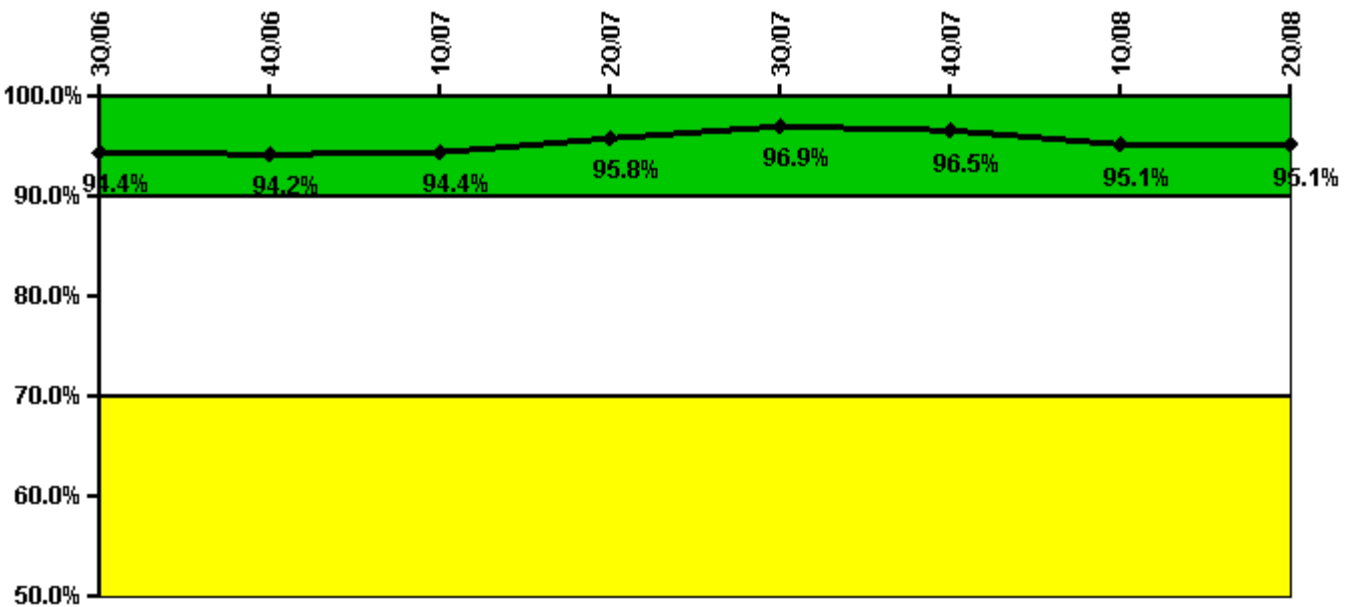
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.168	0.093	0.136	0.130	0.095	0.107	0.100	0.112	0.309	0.446	0	0.087
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	1.7	0.9	1.4	1.3	1.0	1.1	1.0	1.1	3.1	4.5	0	0.9
Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.073	0.074	0.083	0.071	0.079	0.126	0.075	0.074	0.062	0.063	0.060	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	0.7	0.7	0.8	0.7	0.8	1.3	0.8	0.7	0.6	0.6	0.6	0.5

Licensee Comments: none

Drill/Exercise Performance



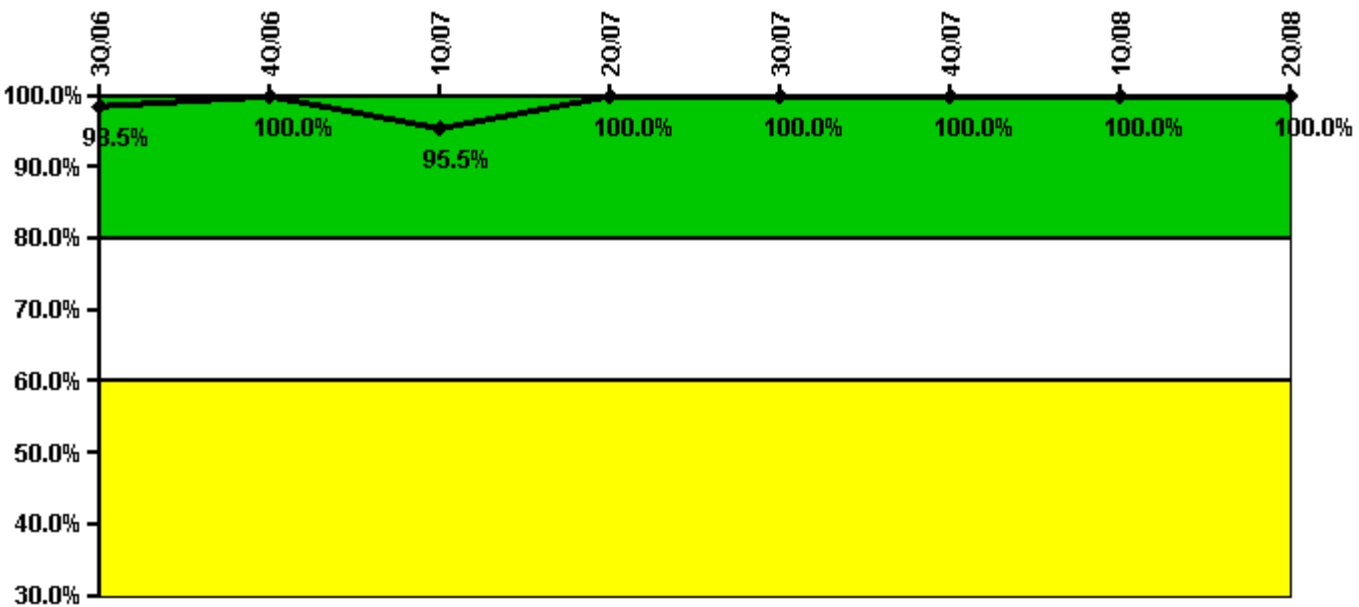
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	18.0	27.0	31.0	28.0	28.0	90.0	17.0	53.0
Total opportunities	20.0	31.0	31.0	28.0	33.0	90.0	18.0	56.0
Indicator value	94.4%	94.2%	94.4%	95.8%	96.9%	96.5%	95.1%	95.1%

Licensee Comments: none

ERO Drill Participation



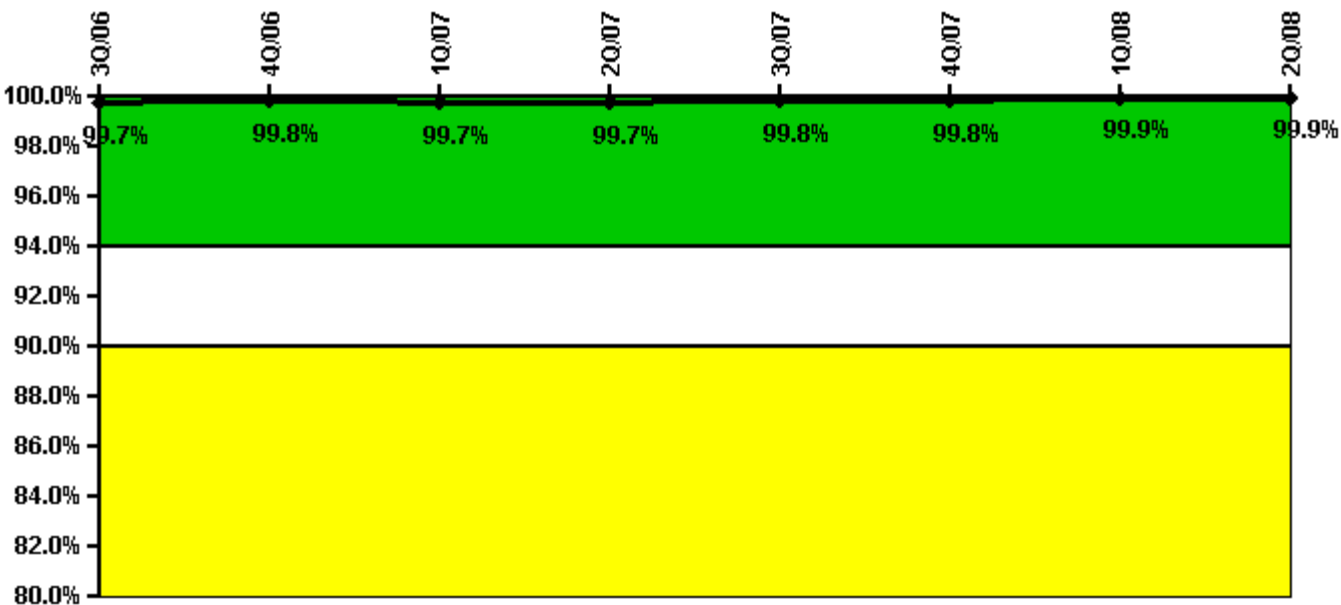
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	66.0	69.0	64.0	76.0	79.0	78.0	71.0	75.0
Total Key personnel	67.0	69.0	67.0	76.0	79.0	78.0	71.0	75.0
Indicator value	98.5%	100.0%	95.5%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



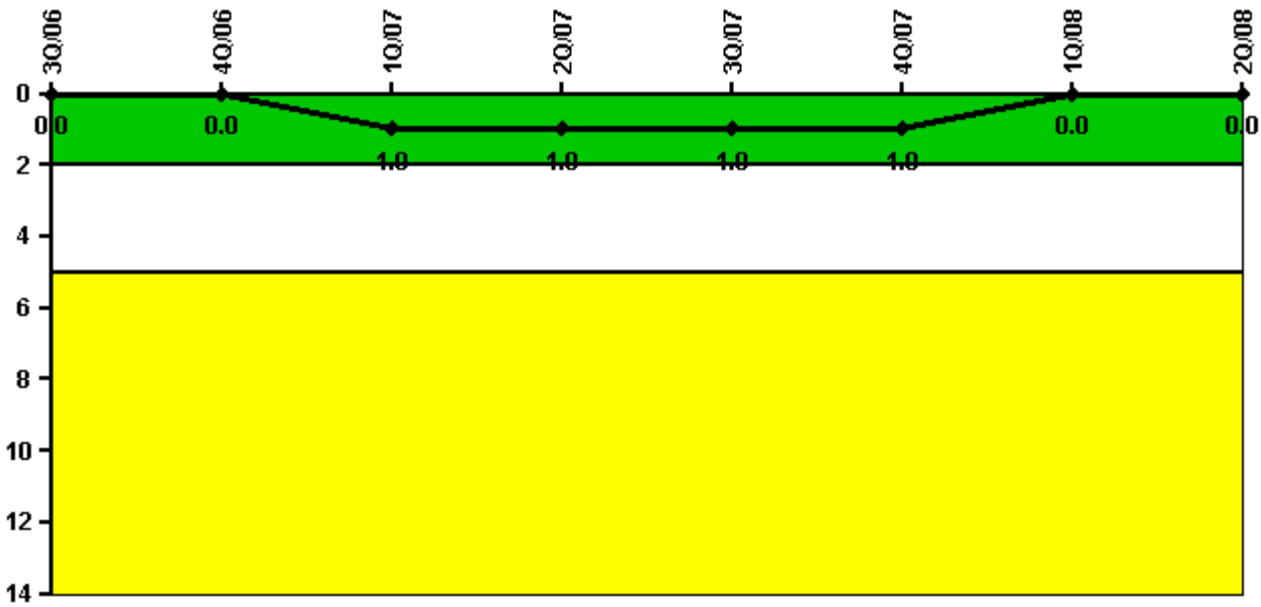
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	1307	913	1045	916	1309	915	1048	916
Total sirens-tests	1310	917	1048	917	1310	917	1048	917
Indicator value	99.7%	99.8%	99.7%	99.7%	99.8%	99.8%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



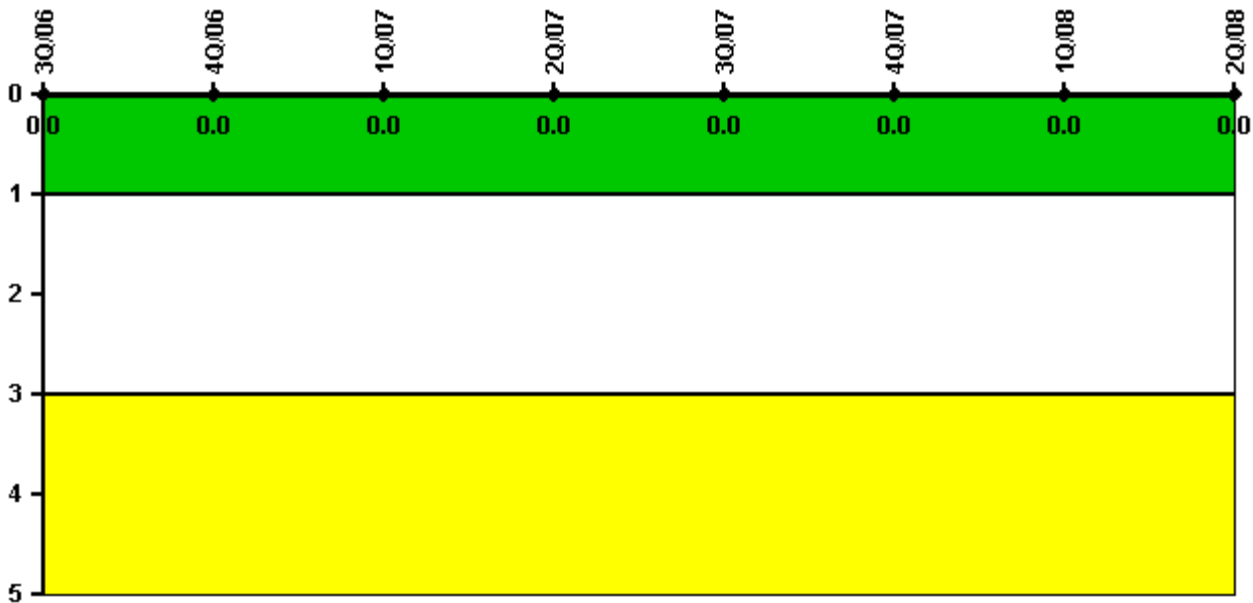
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	1	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	1	1	1	1	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

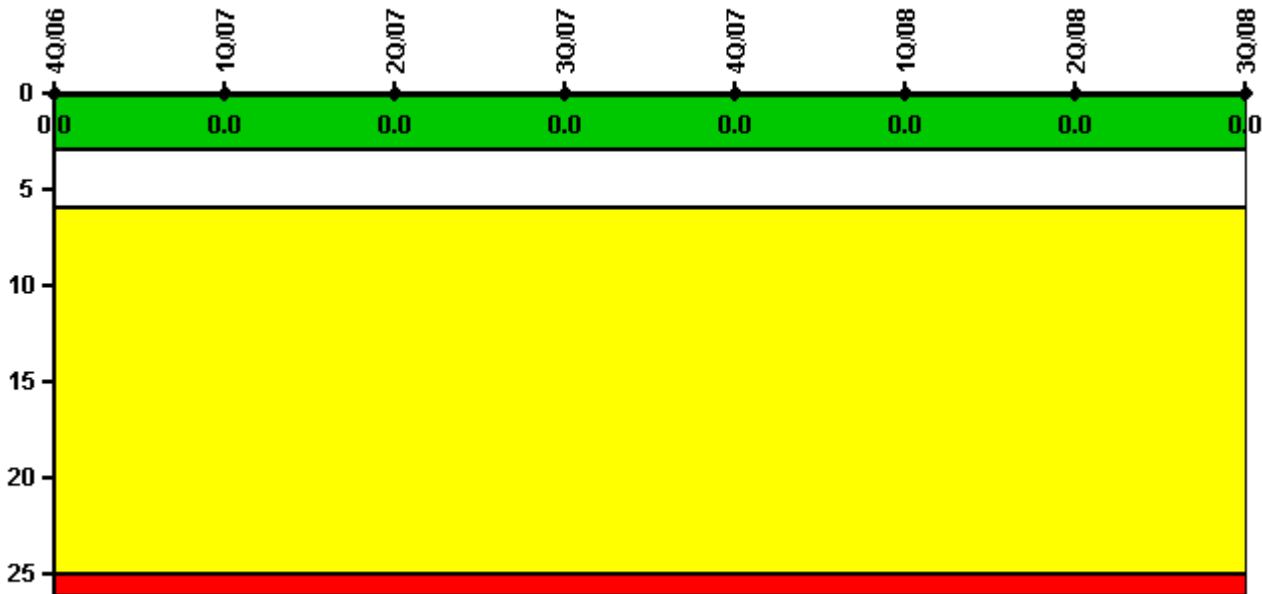
Last Modified: August 4, 2008

Diablo Canyon 1

3Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



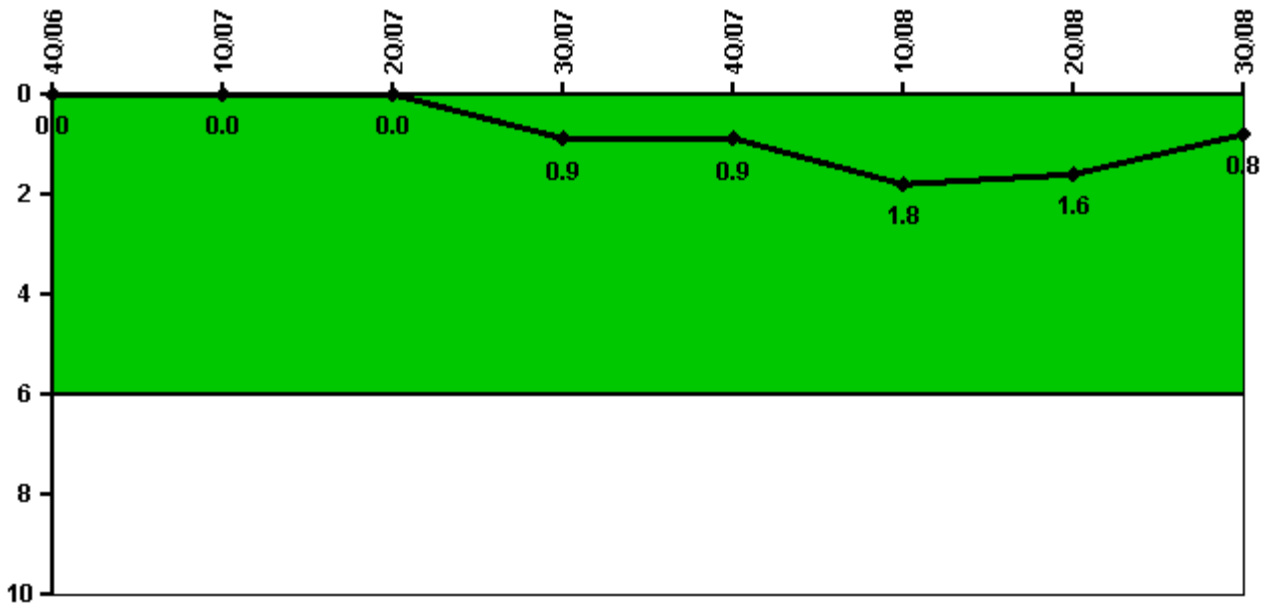
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1500.2	2085.6	2209.0	2183.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



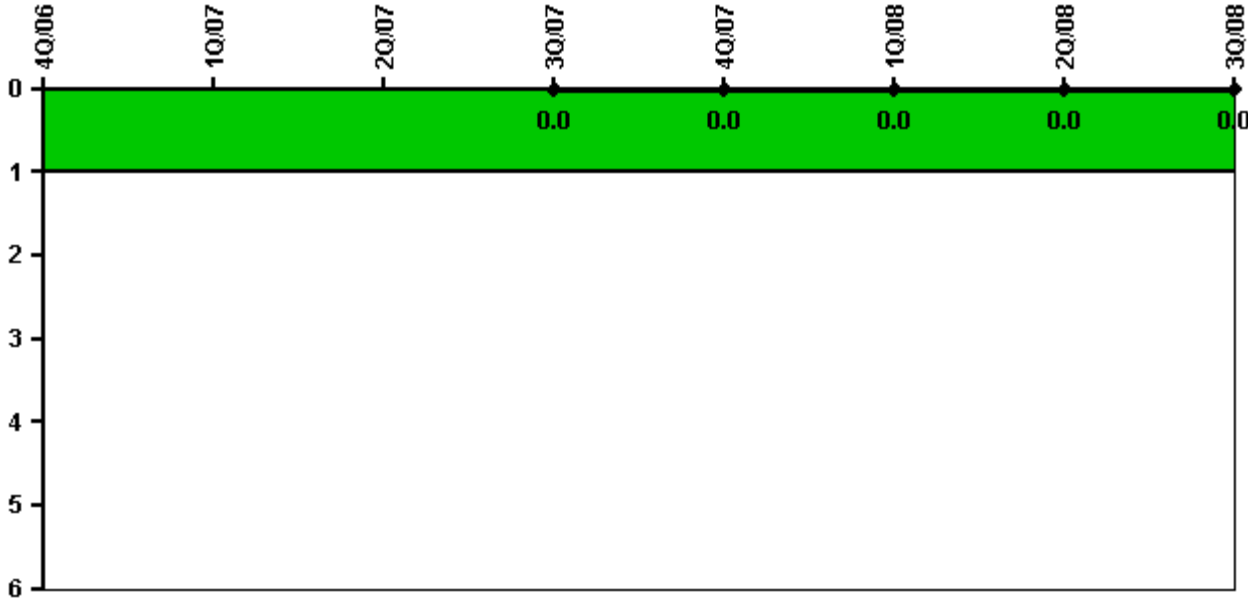
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	1.0	0	1.0	0	0
Critical hours	2209.0	2159.0	1500.2	2085.6	2209.0	2183.0	2184.0	2208.0
Indicator value	0	0	0	0.9	0.9	1.8	1.6	0.8

Licensee Comments: none

Unplanned Scrams with Complications



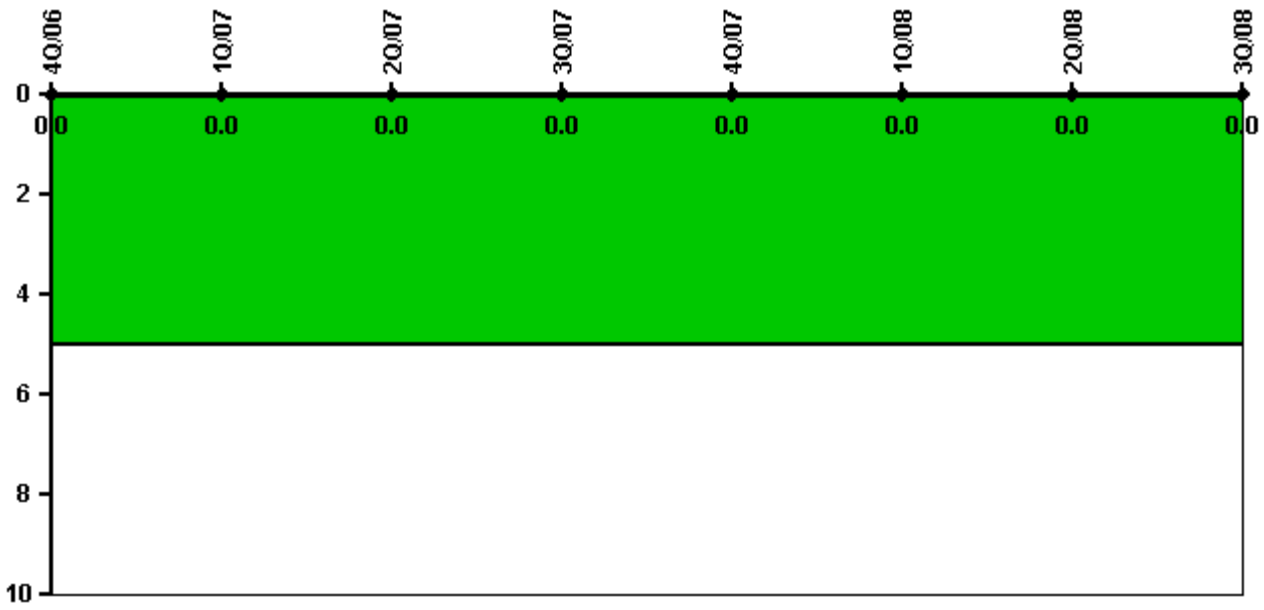
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value				0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



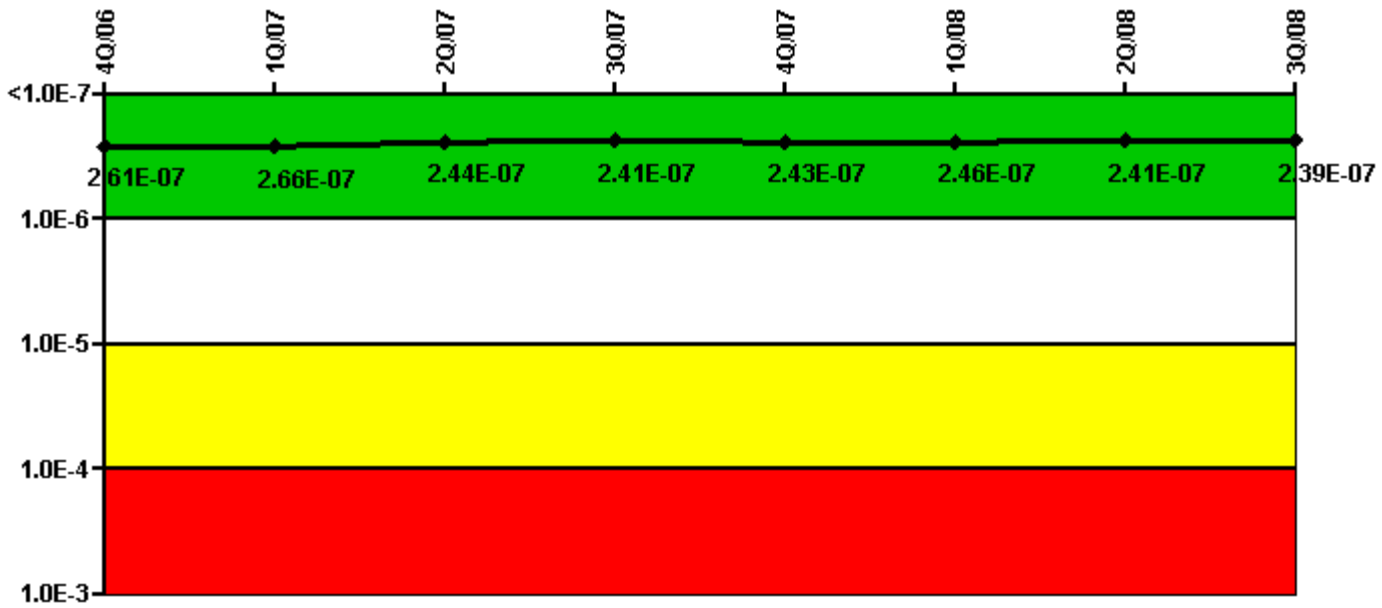
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



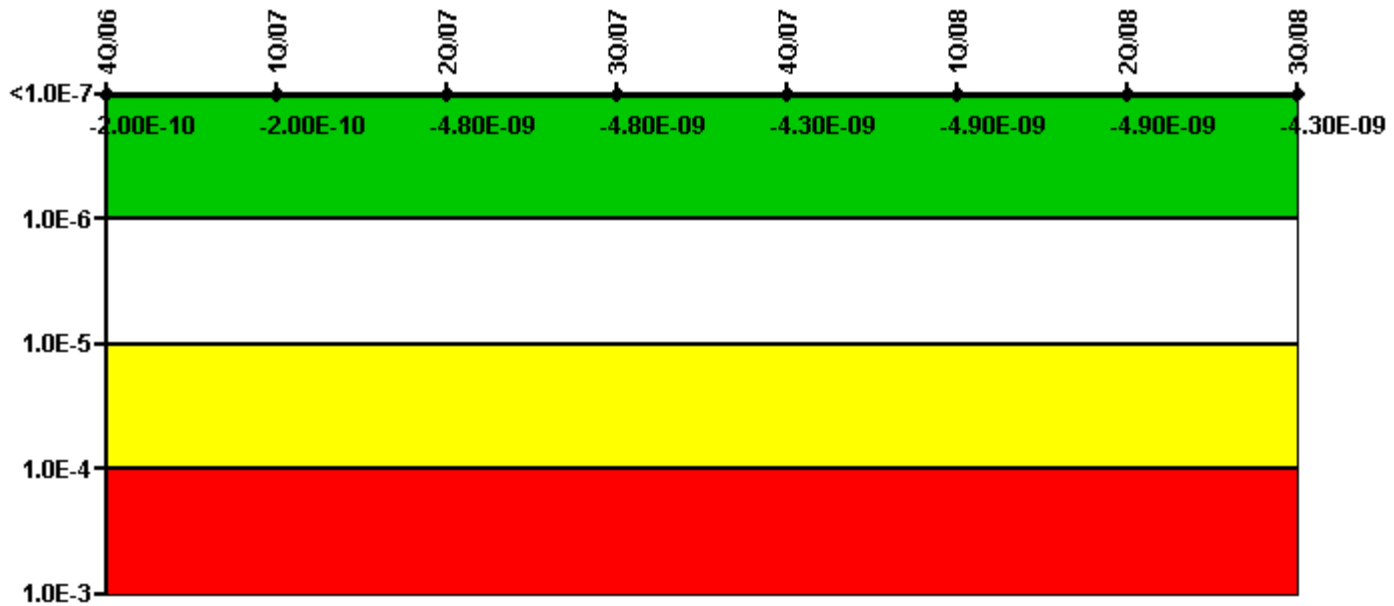
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	7.80E-10	5.80E-09	4.10E-09	5.20E-10	3.00E-09	6.00E-09	1.30E-09	-1.10E-09
URI (Δ CDF)	2.60E-07	2.60E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.61E-07	2.66E-07	2.44E-07	2.41E-07	2.43E-07	2.46E-07	2.41E-07	2.39E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



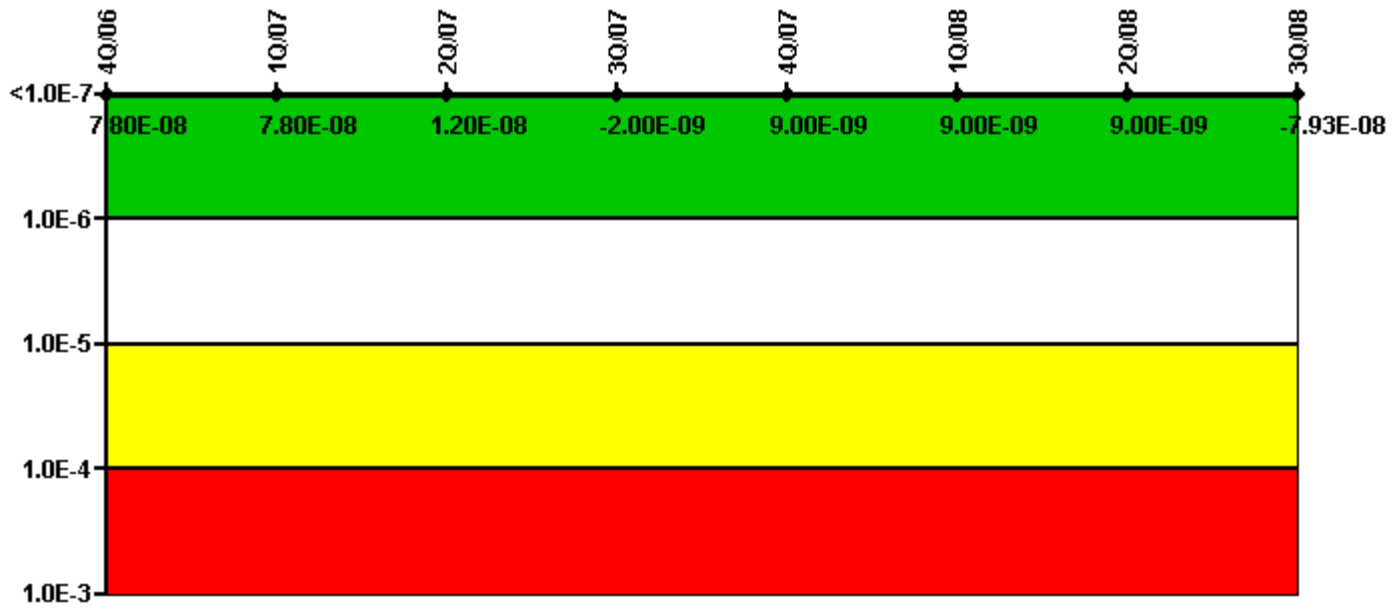
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-1.80E-09	-1.80E-09	-3.30E-09	-3.30E-09	-2.80E-09	-3.40E-09	-3.40E-09	-2.80E-09
URI (Δ CDF)	1.60E-09	1.60E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-10	-2.00E-10	-4.80E-09	-4.80E-09	-4.30E-09	-4.90E-09	-4.90E-09	-4.30E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



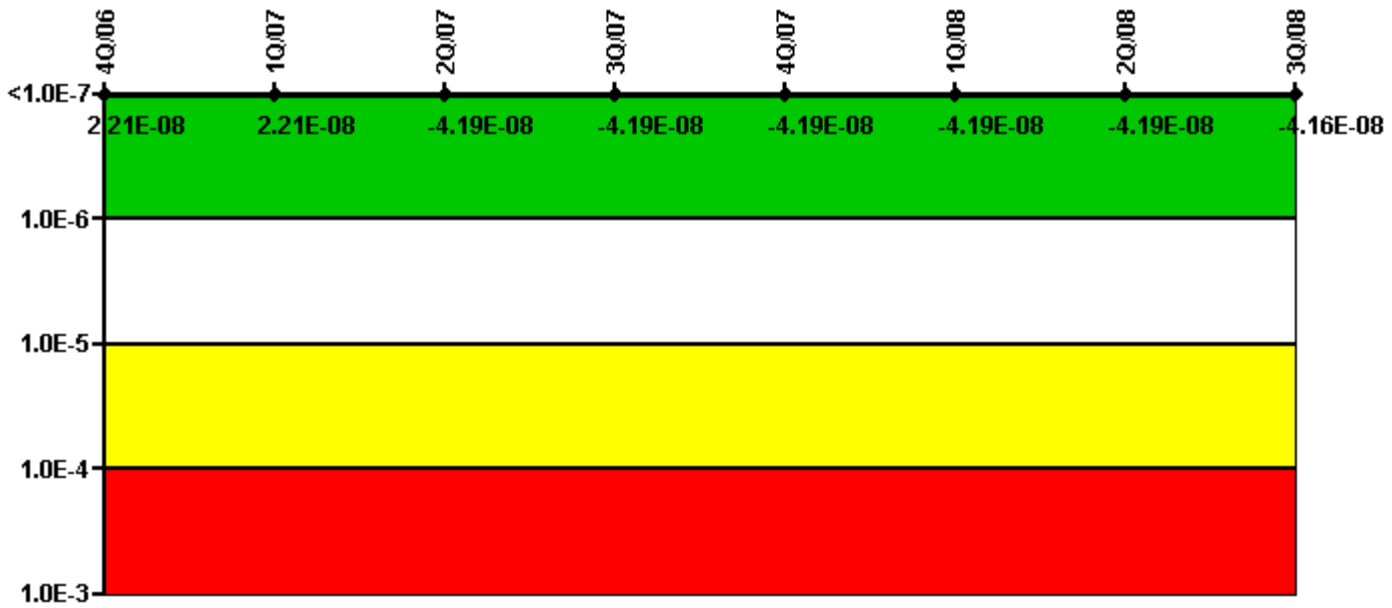
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	1.00E-07	1.00E-07	3.40E-08	2.00E-08	3.10E-08	3.10E-08	3.10E-08	4.70E-09
URI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.80E-08	7.80E-08	1.20E-08	-2.00E-09	9.00E-09	9.00E-09	9.00E-09	-7.93E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



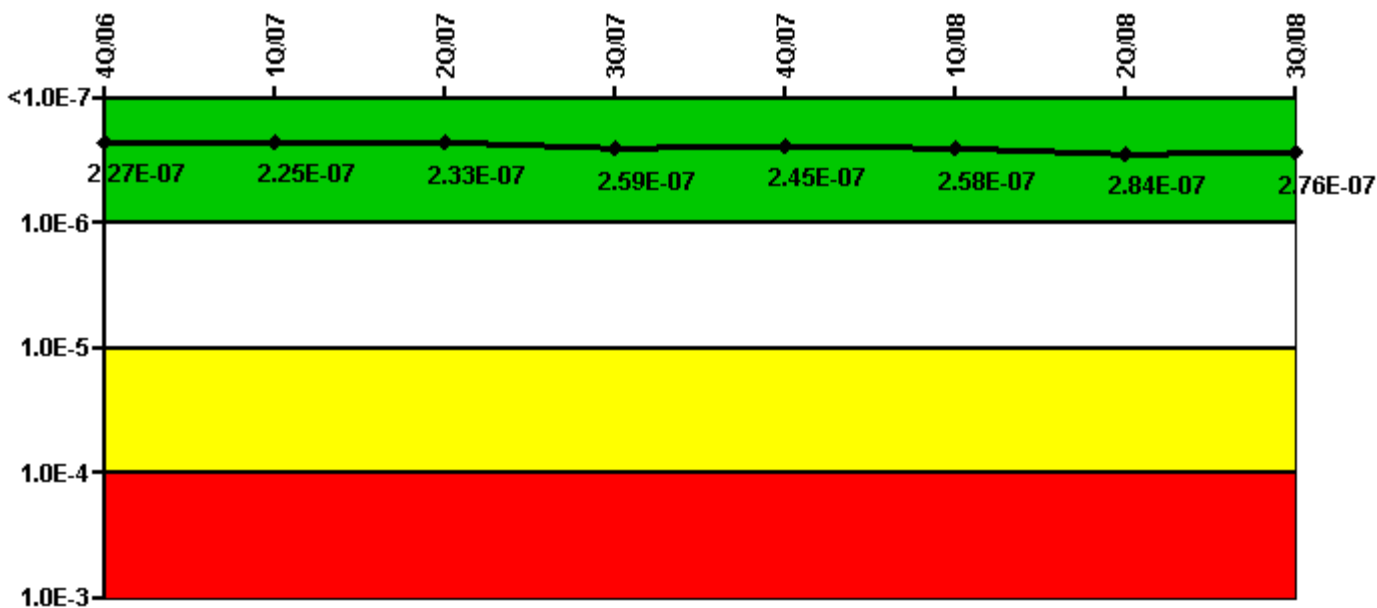
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.60E-09
URI (Δ CDF)	2.80E-08	2.80E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.21E-08	2.21E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.16E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



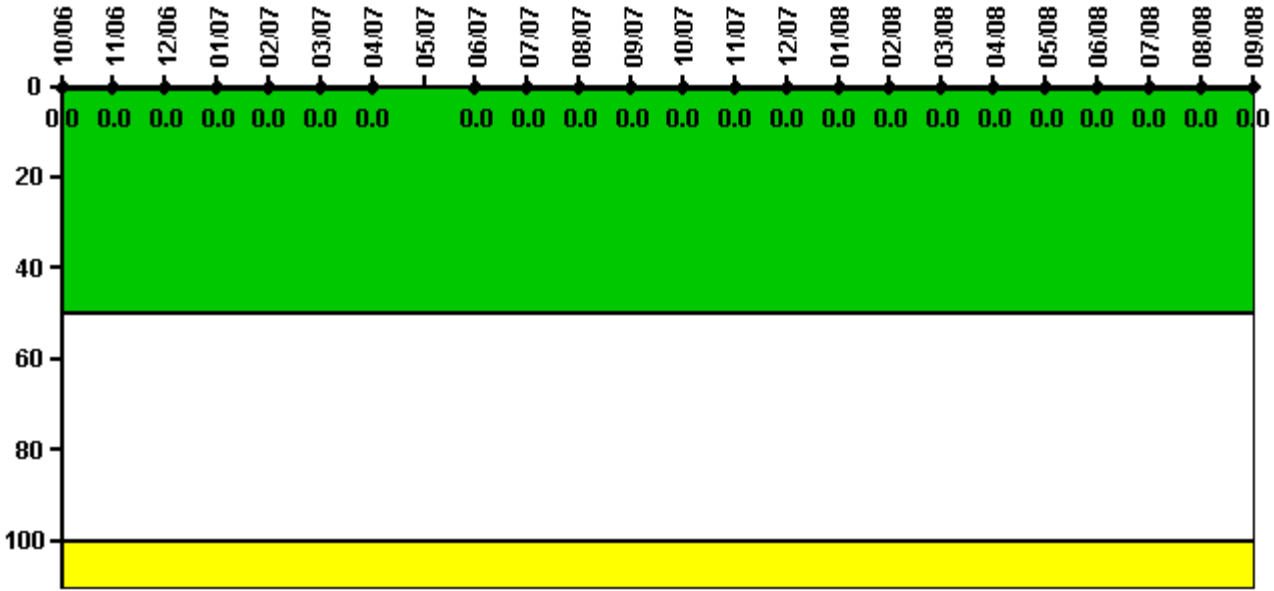
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-5.30E-08	-5.50E-08	-4.70E-08	-2.10E-08	-3.50E-08	-2.20E-08	3.50E-09	-4.00E-09
URI (ΔCDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.27E-07	2.25E-07	2.33E-07	2.59E-07	2.45E-07	2.58E-07	2.84E-07	2.76E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

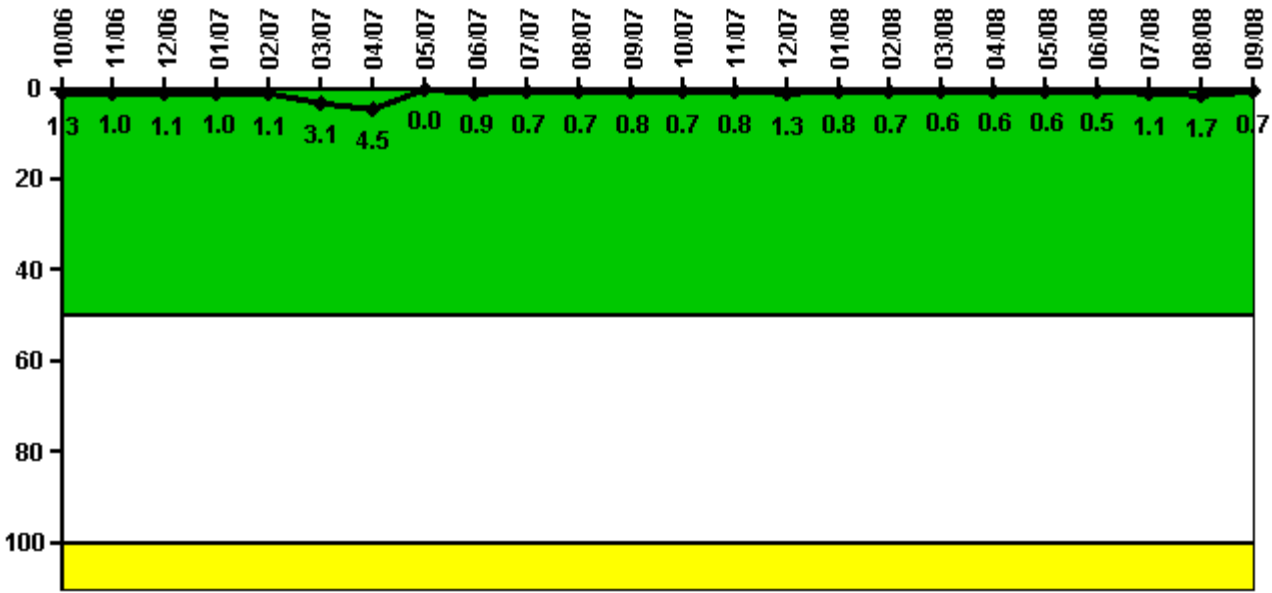
Notes

Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	0.000227	0.000232	0.000242	0.000276	0.000248	0.000301	0.000197	N/A	0.000070	0.000070	0.000065	0.000099
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	N/A	0	0	0	0

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000092	0.000100	0.000101	0.000108	0.000108	0.000111	0.000122	0.000119	0.000127	0.000119	0.000124	0.000136
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



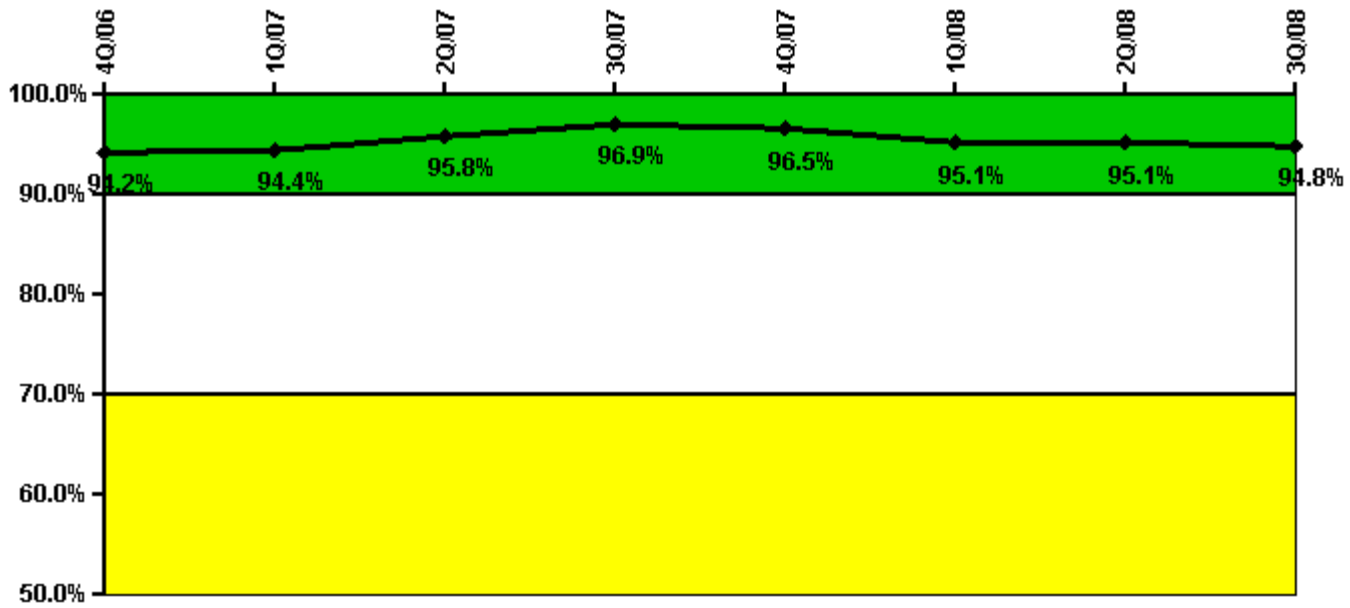
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.130	0.095	0.107	0.100	0.112	0.309	0.446	0	0.087	0.073	0.074	0.083
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	1.3	1.0	1.1	1.0	1.1	3.1	4.5	0	0.9	0.7	0.7	0.8
Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.071	0.079	0.126	0.075	0.074	0.062	0.063	0.060	0.051	0.111	0.166	0.070
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	0.7	0.8	1.3	0.8	0.7	0.6	0.6	0.6	0.5	1.1	1.7	0.7

Licensee Comments: none

Drill/Exercise Performance



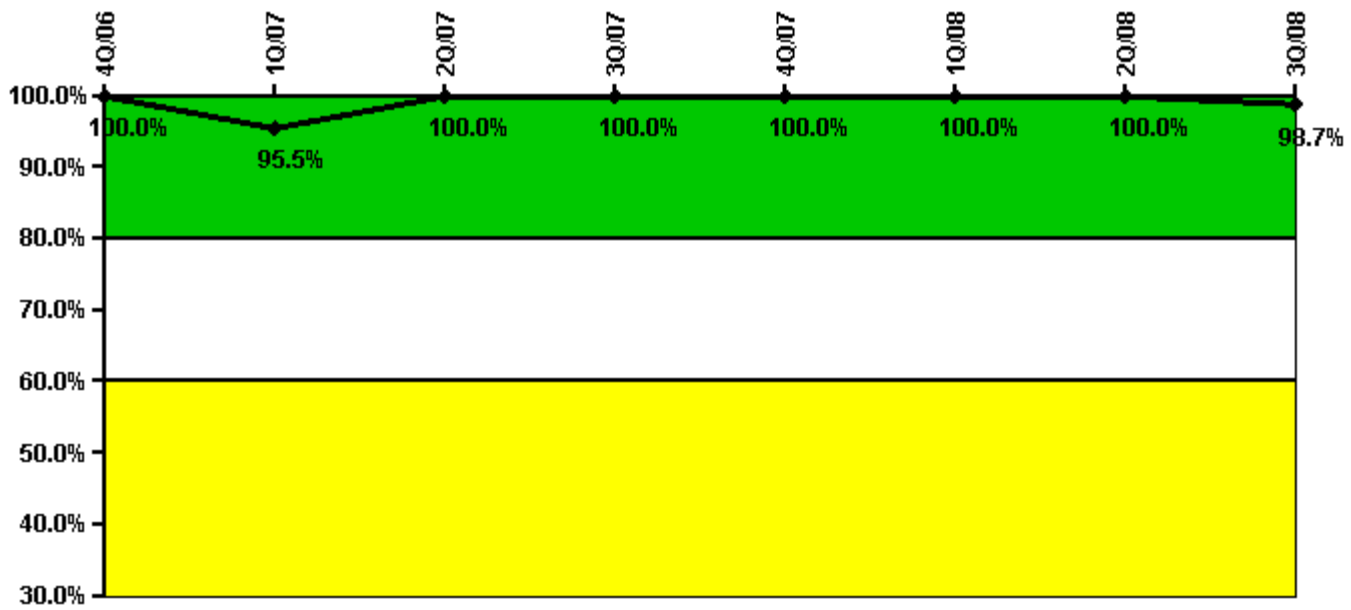
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	27.0	31.0	28.0	28.0	90.0	17.0	53.0	52.0
Total opportunities	31.0	31.0	28.0	33.0	90.0	18.0	56.0	57.0
Indicator value	94.2%	94.4%	95.8%	96.9%	96.5%	95.1%	95.1%	94.8%

Licensee Comments: none

ERO Drill Participation



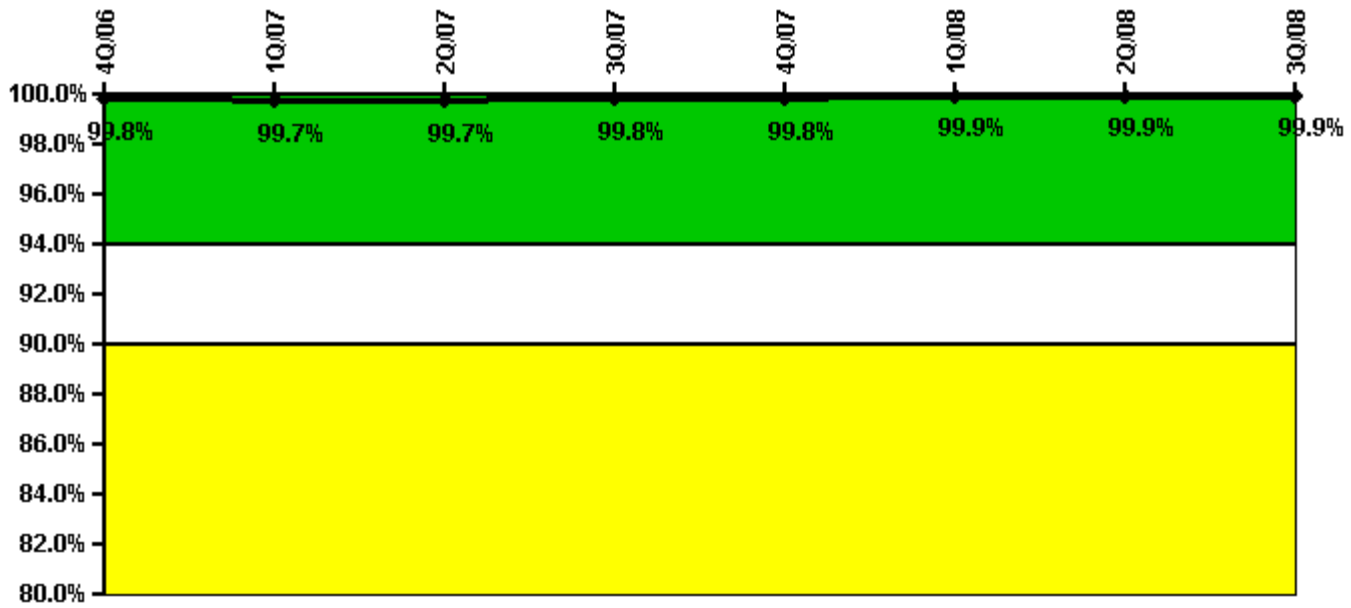
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	69.0	64.0	76.0	79.0	78.0	71.0	75.0	75.0
Total Key personnel	69.0	67.0	76.0	79.0	78.0	71.0	75.0	76.0
Indicator value	100.0%	95.5%	100.0%	100.0%	100.0%	100.0%	100.0%	98.7%

Licensee Comments: none

Alert & Notification System



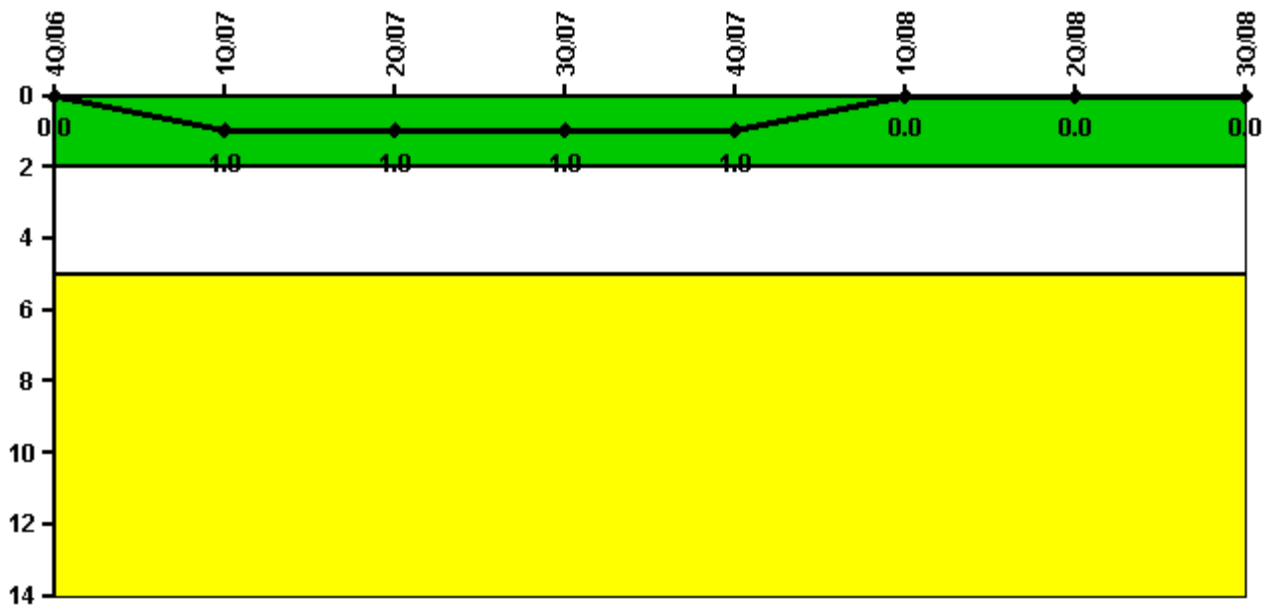
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	913	1045	916	1309	915	1048	916	1310
Total sirens-tests	917	1048	917	1310	917	1048	917	1310
Indicator value	99.8%	99.7%	99.7%	99.8%	99.8%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



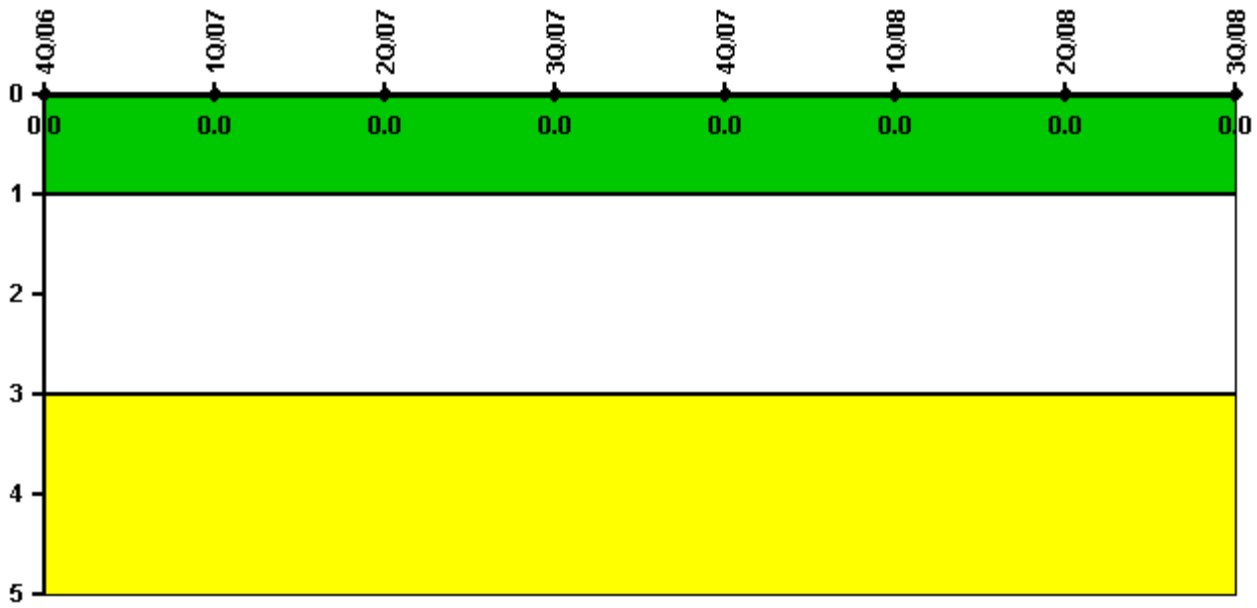
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	1	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	1	1	1	1	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

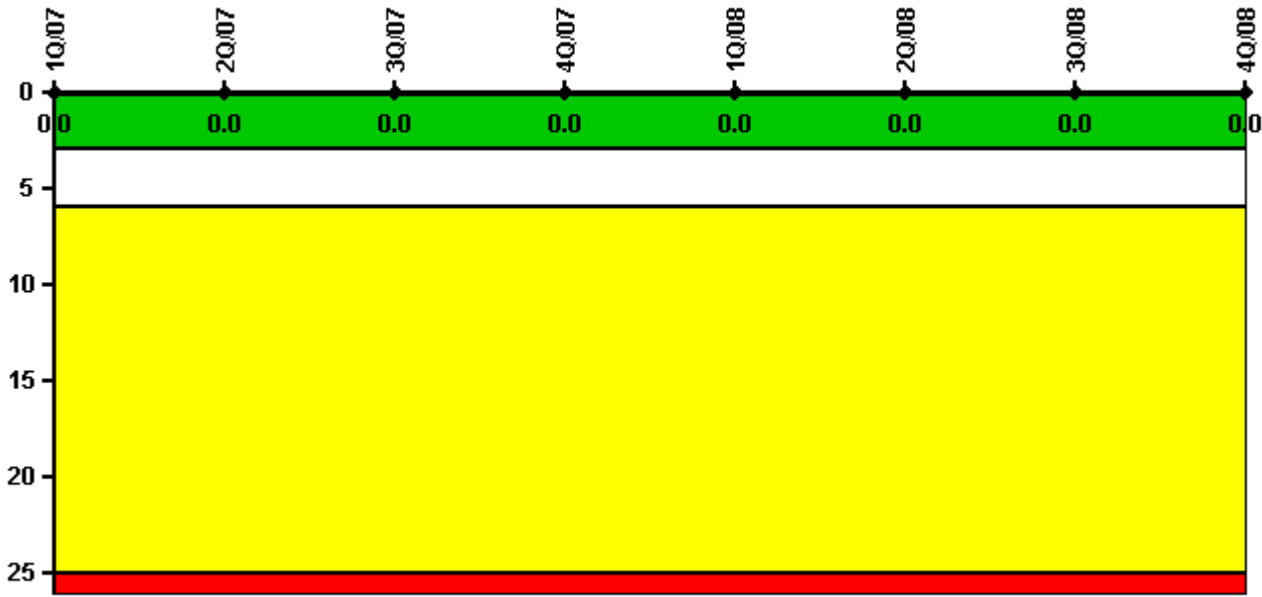
[Security](#) information not publicly available.

Diablo Canyon 1

4Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



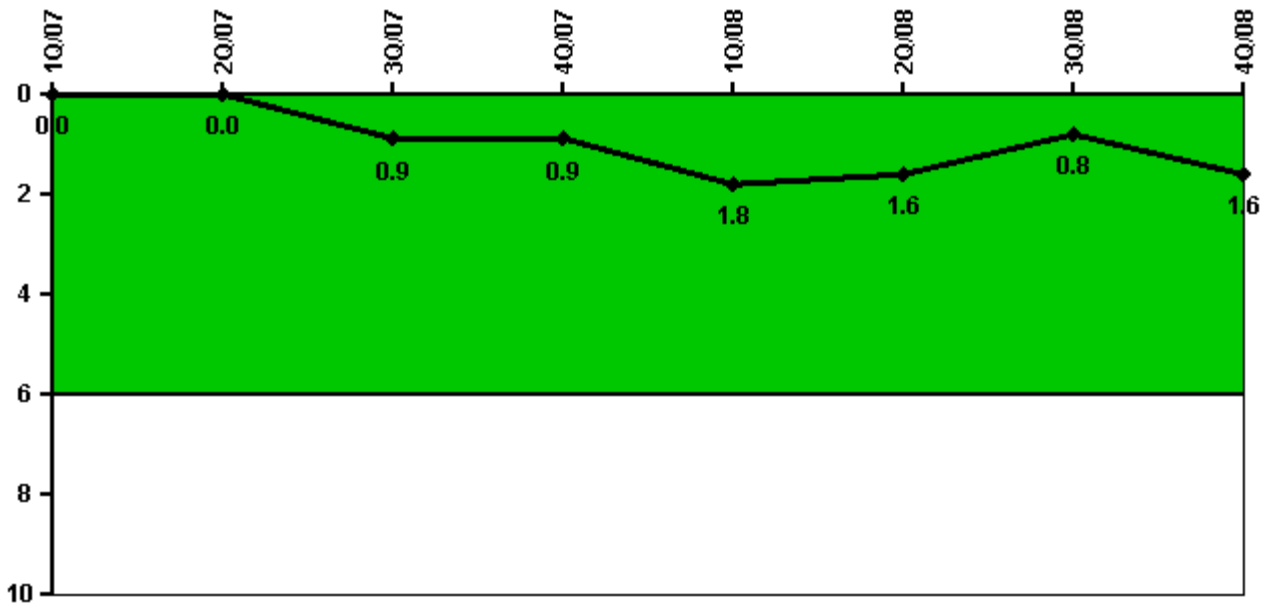
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	1500.2	2085.6	2209.0	2183.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



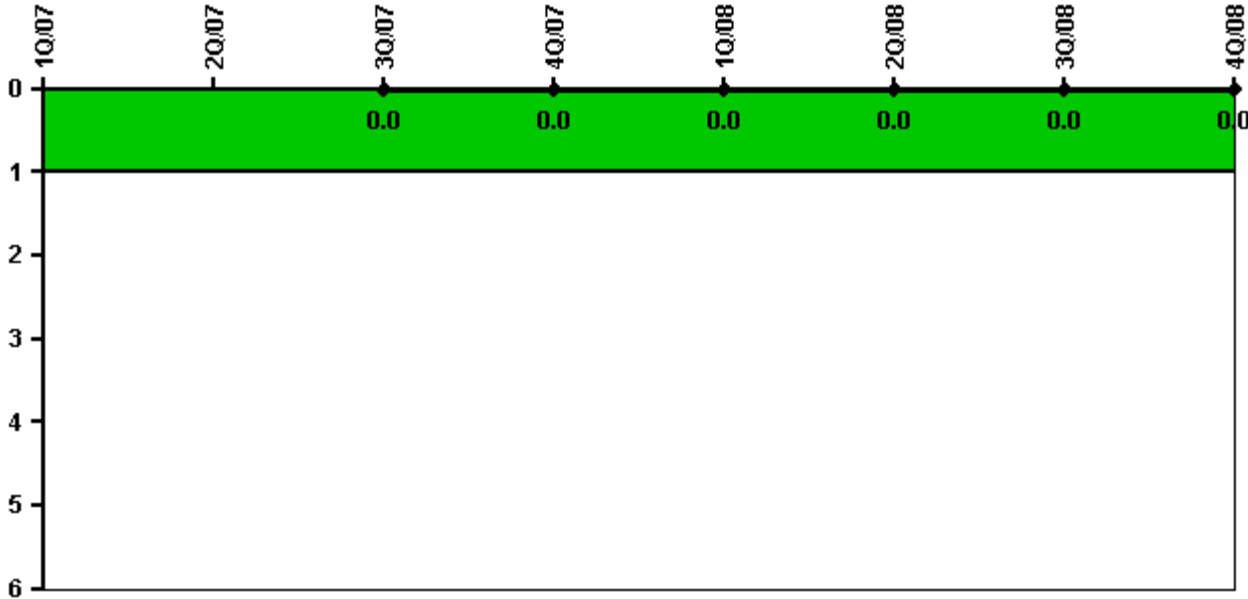
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	1.0	0	1.0	0	0	1.0
Critical hours	2159.0	1500.2	2085.6	2209.0	2183.0	2184.0	2208.0	2209.0
Indicator value	0	0	0.9	0.9	1.8	1.6	0.8	1.6

Licensee Comments: none

Unplanned Scrams with Complications



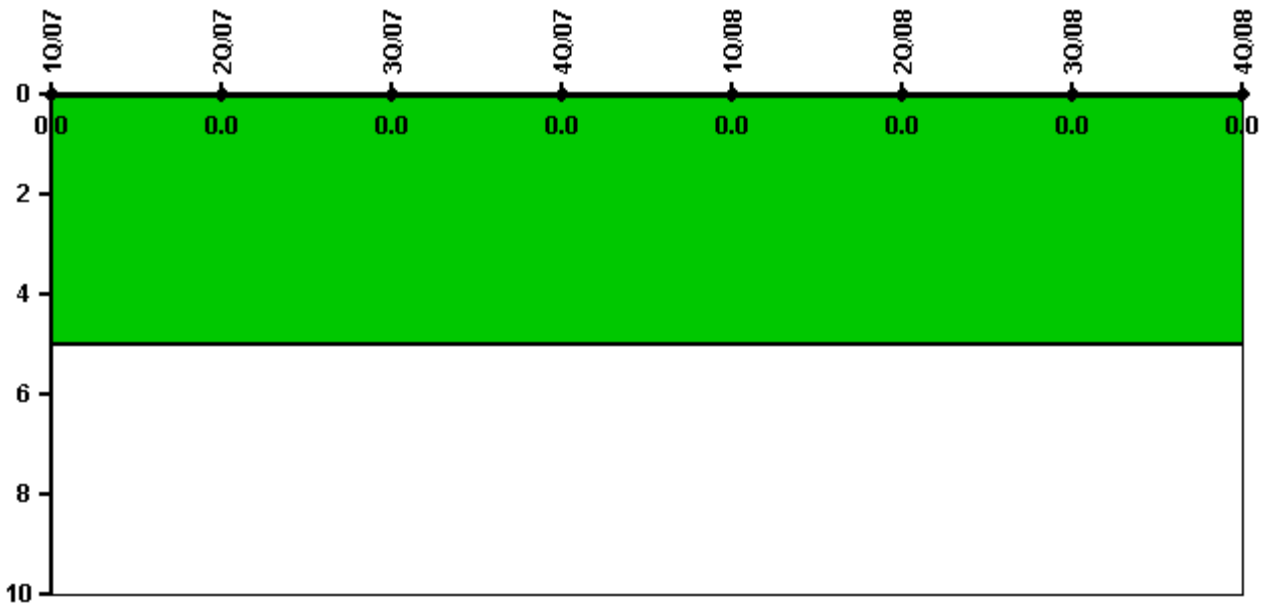
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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

Licensee Comments: none

Safety System Functional Failures (PWR)



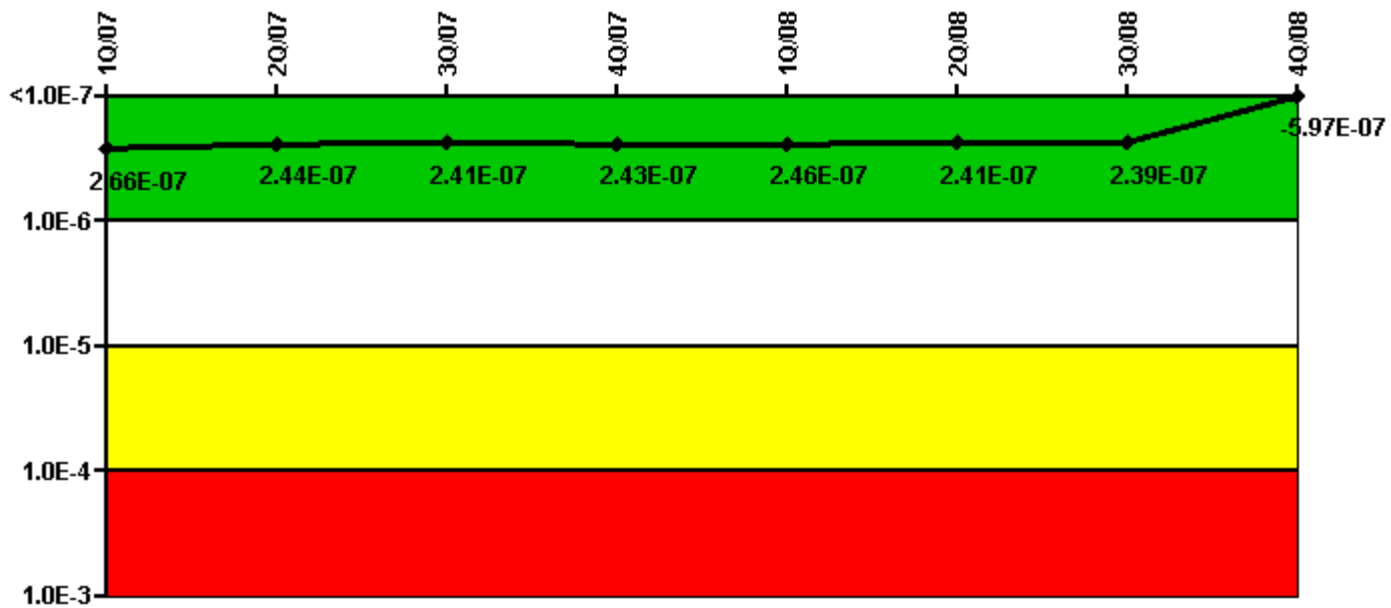
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	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

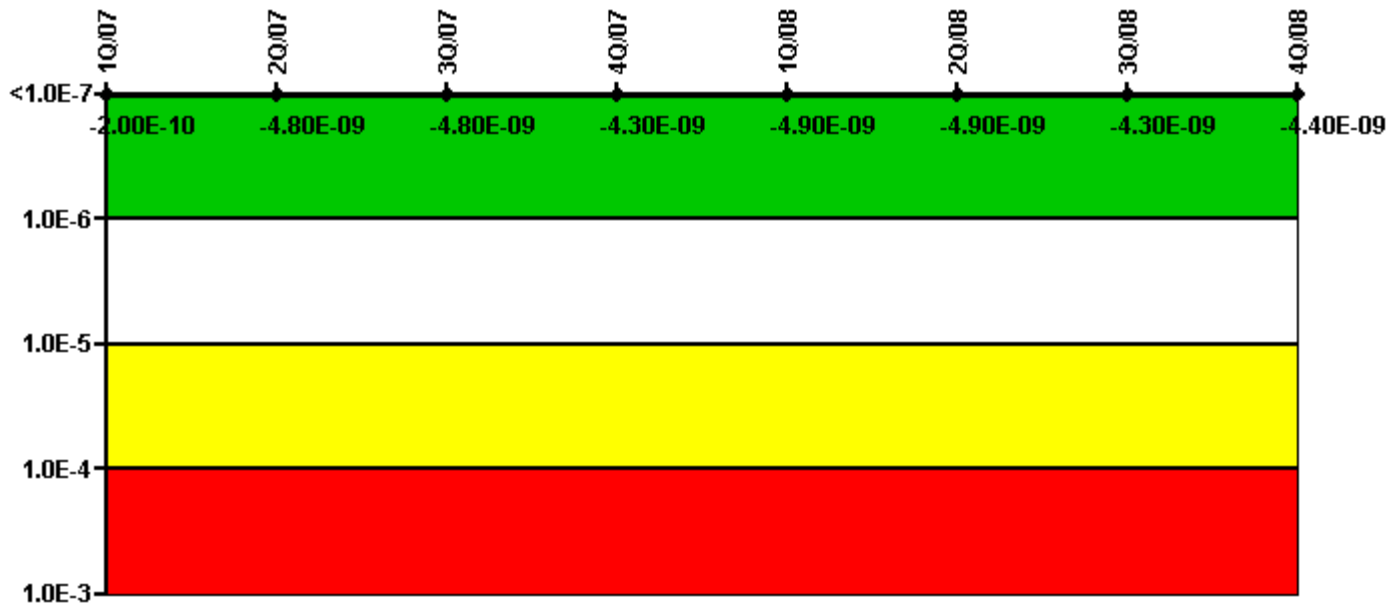
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	5.80E-09	4.10E-09	5.20E-10	3.00E-09	6.00E-09	1.30E-09	-1.10E-09	1.30E-08
URI (Δ CDF)	2.60E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07	-6.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.66E-07	2.44E-07	2.41E-07	2.43E-07	2.46E-07	2.41E-07	2.39E-07	-5.97E-07

Licensee Comments:

4Q/08: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



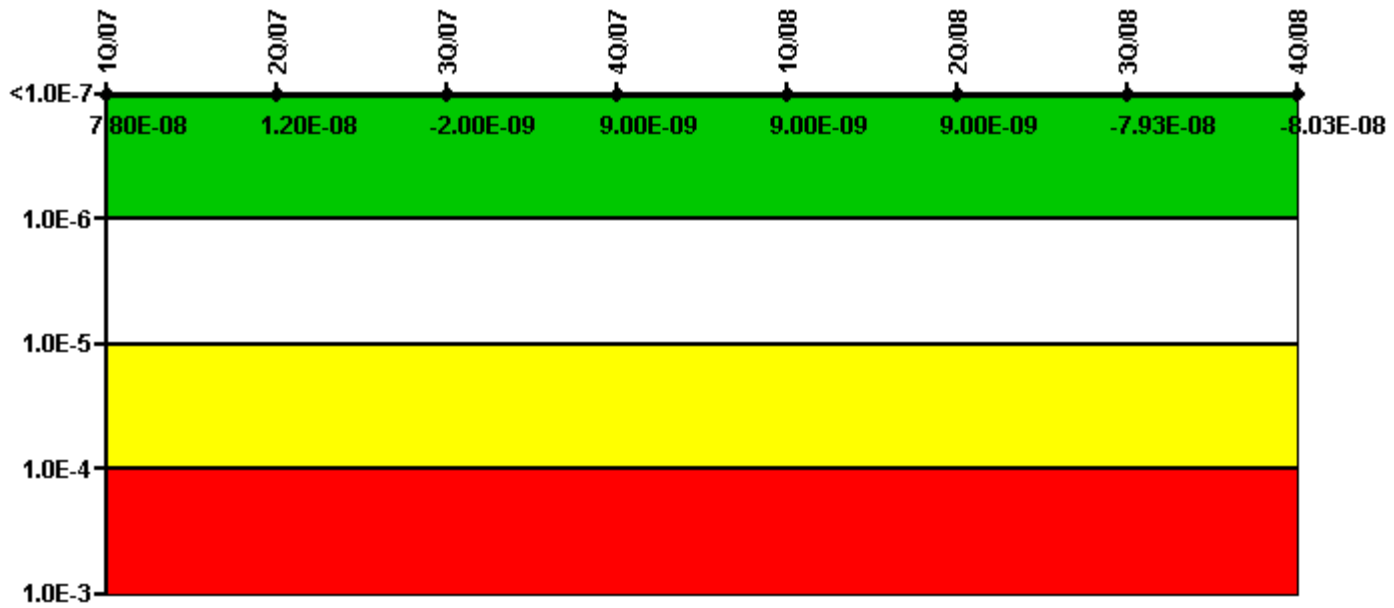
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-1.80E-09	-3.30E-09	-3.30E-09	-2.80E-09	-3.40E-09	-3.40E-09	-2.80E-09	-2.90E-09
URI (Δ CDF)	1.60E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-10	-4.80E-09	-4.80E-09	-4.30E-09	-4.90E-09	-4.90E-09	-4.30E-09	-4.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



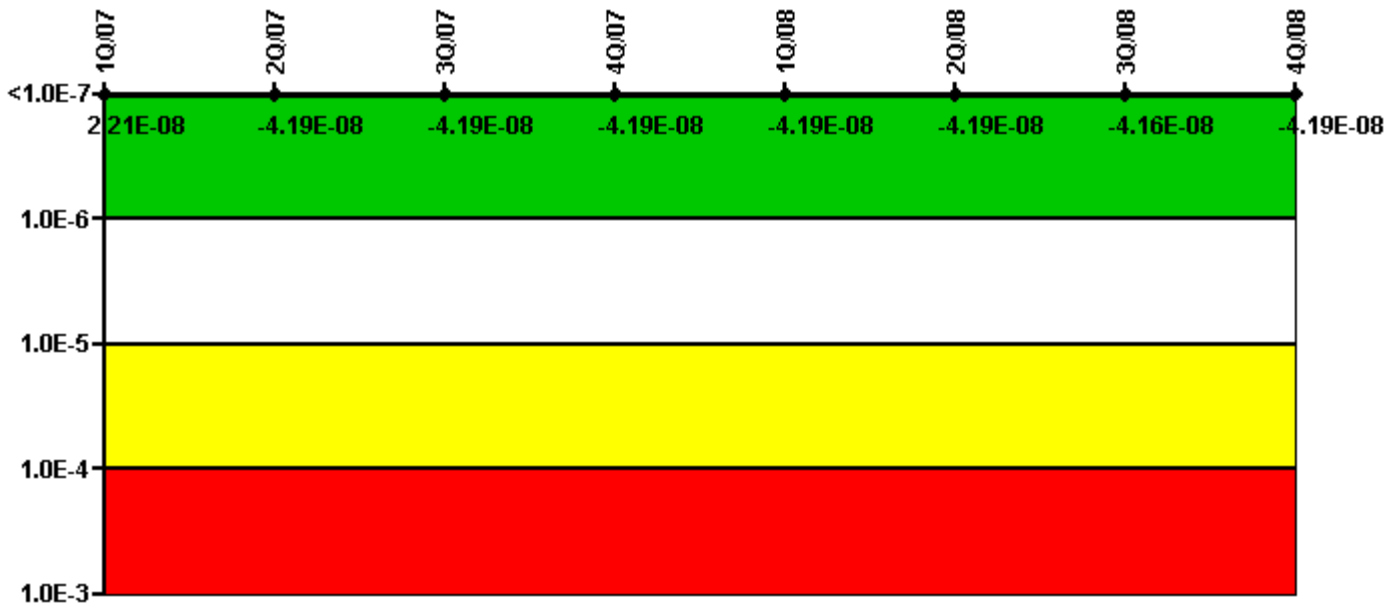
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	1.00E-07	3.40E-08	2.00E-08	3.10E-08	3.10E-08	3.10E-08	4.70E-09	3.70E-09
URI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-8.40E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.80E-08	1.20E-08	-2.00E-09	9.00E-09	9.00E-09	9.00E-09	-7.93E-08	-8.03E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



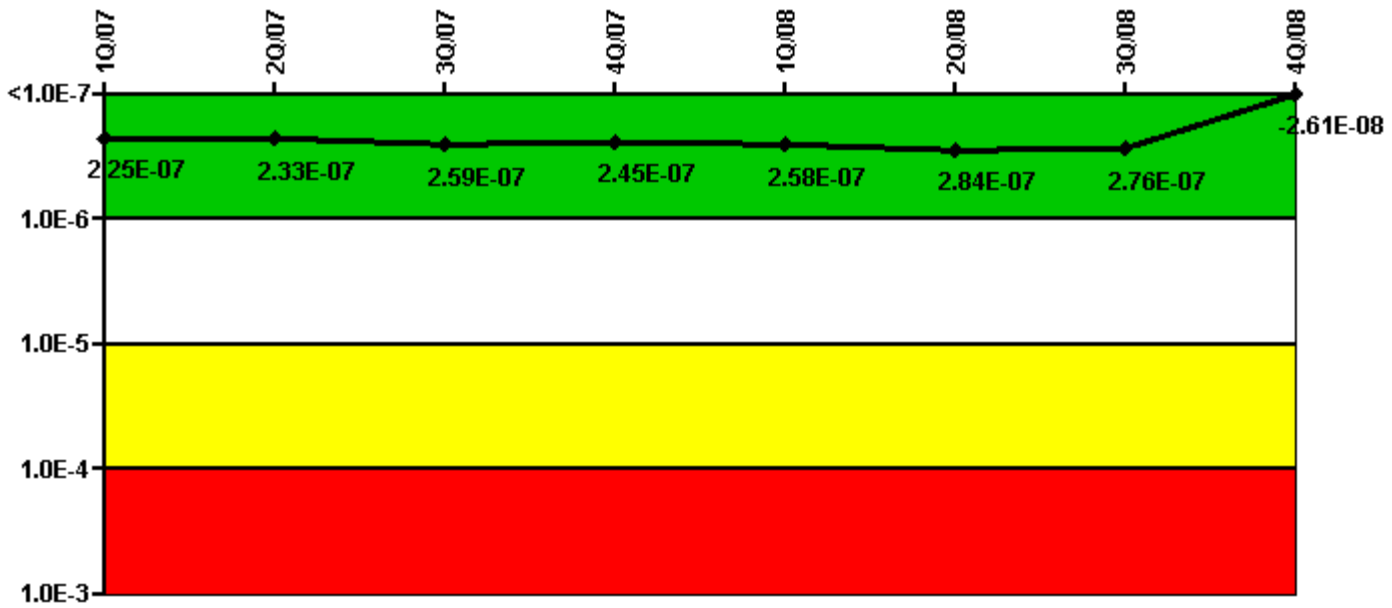
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.60E-09	-5.90E-09
URI (Δ CDF)	2.80E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.21E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.16E-08	-4.19E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



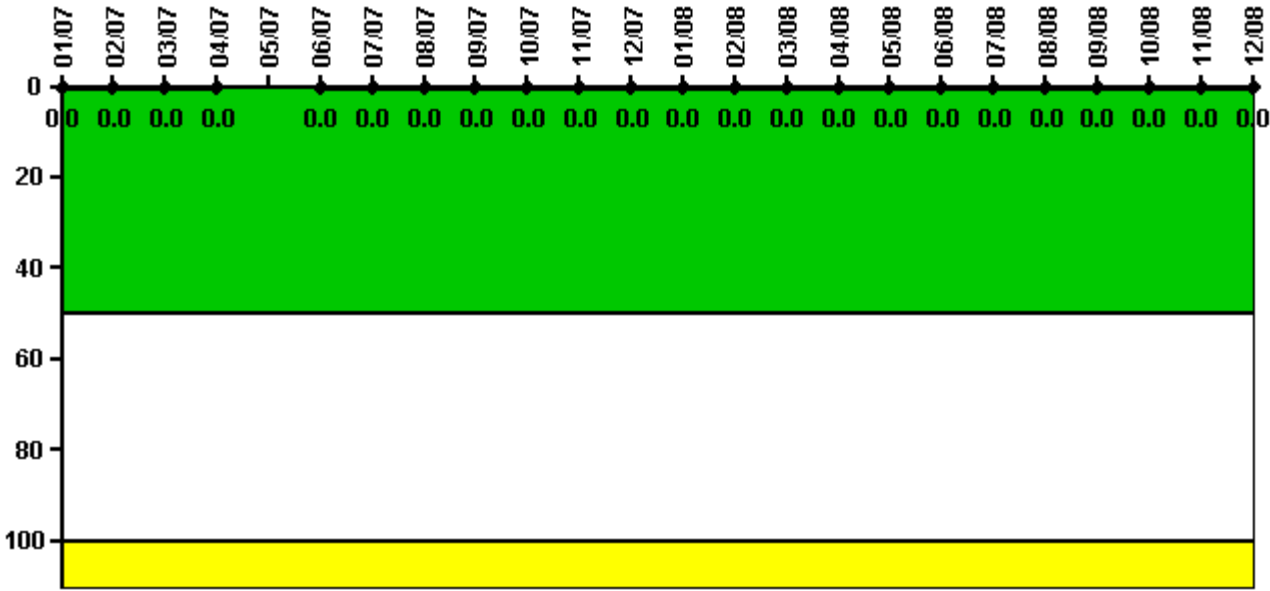
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-5.50E-08	-4.70E-08	-2.10E-08	-3.50E-08	-2.20E-08	3.50E-09	-4.00E-09	-1.80E-08
URI (Δ CDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-8.10E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.25E-07	2.33E-07	2.59E-07	2.45E-07	2.58E-07	2.84E-07	2.76E-07	-2.61E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

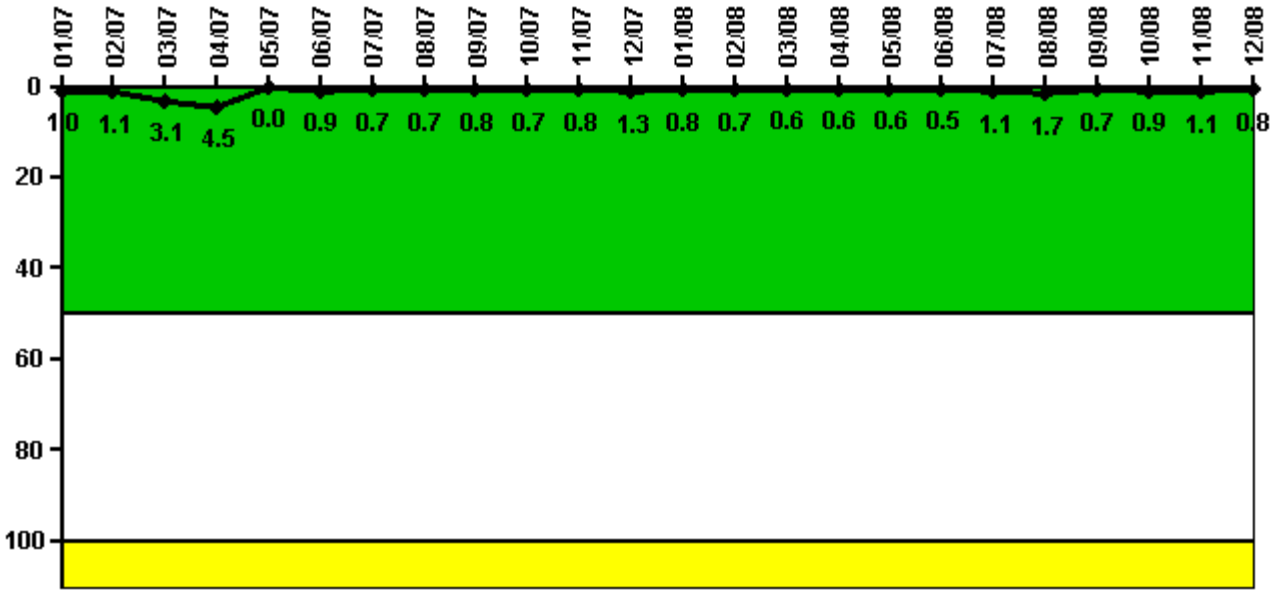
Notes

Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.000276	0.000248	0.000301	0.000197	N/A	0.000070	0.000070	0.000065	0.000099	0.000092	0.000100	0.000101
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	N/A	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000108	0.000108	0.000111	0.000122	0.000119	0.000127	0.000119	0.000124	0.000136	0.000227	0.000301	0.000142
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



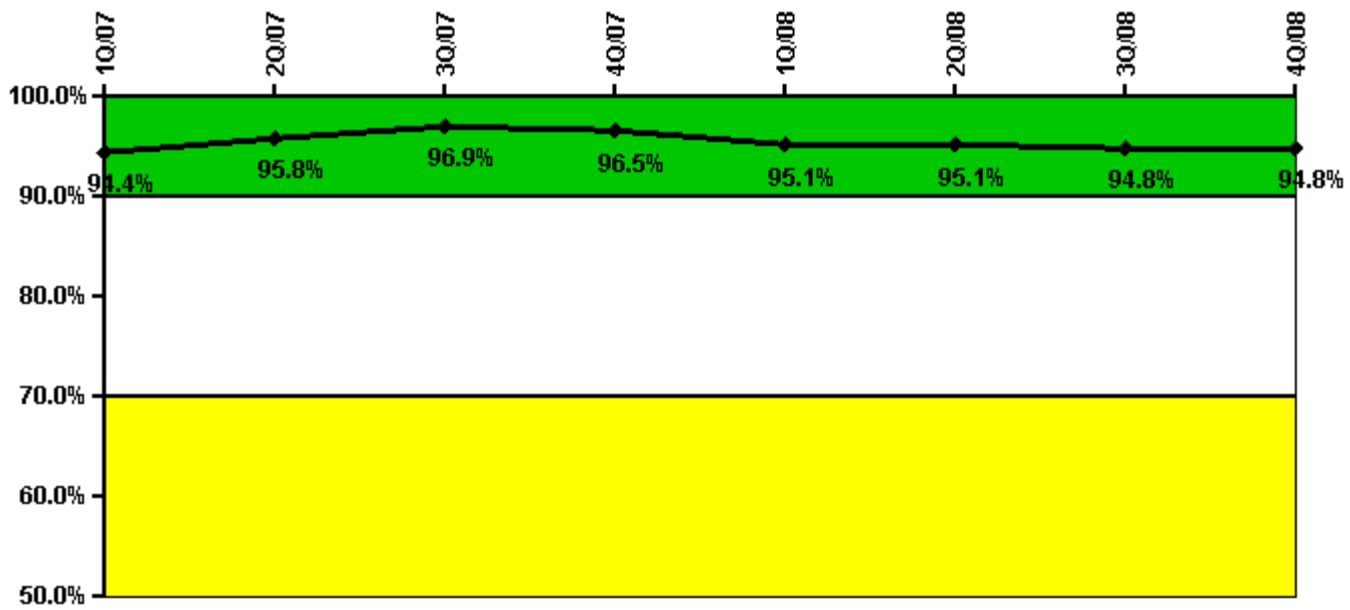
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.100	0.112	0.309	0.446	0	0.087	0.073	0.074	0.083	0.071	0.079	0.126
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	1.0	1.1	3.1	4.5	0	0.9	0.7	0.7	0.8	0.7	0.8	1.3
Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.075	0.074	0.062	0.063	0.060	0.051	0.111	0.166	0.070	0.085	0.107	0.075
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	0.7	0.6	0.6	0.6	0.5	1.1	1.7	0.7	0.9	1.1	0.8

Licensee Comments: none

Drill/Exercise Performance



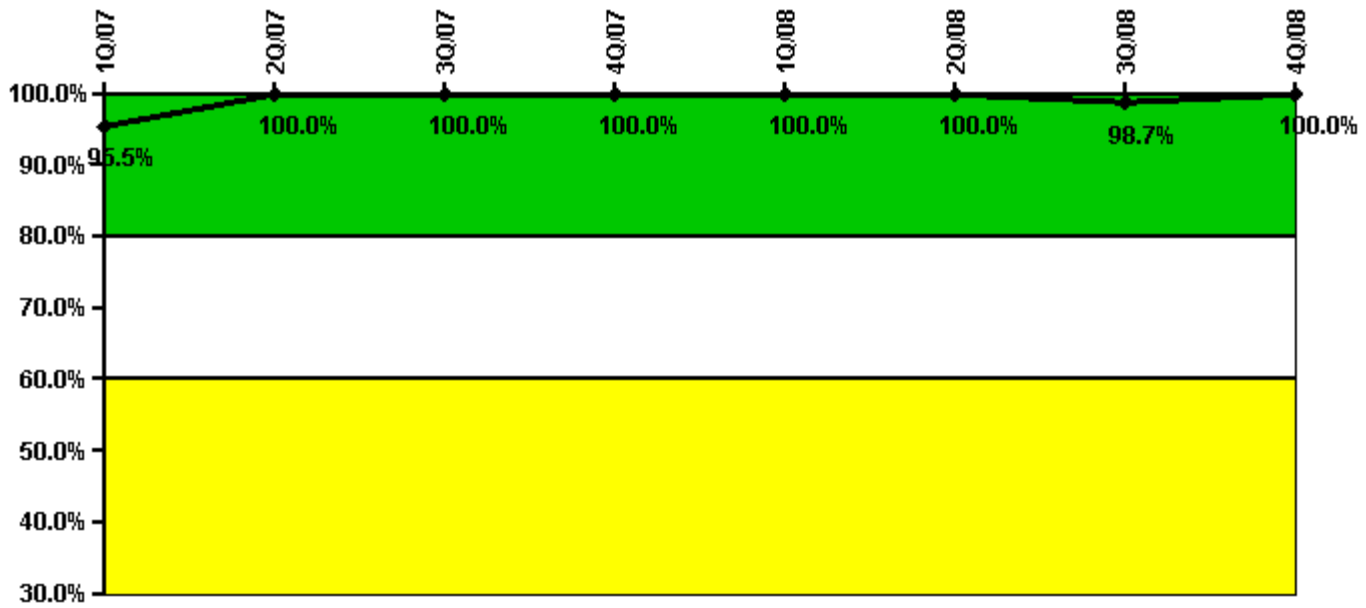
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	31.0	28.0	28.0	90.0	17.0	53.0	52.0	47.0
Total opportunities	31.0	28.0	33.0	90.0	18.0	56.0	57.0	52.0
Indicator value	94.4%	95.8%	96.9%	96.5%	95.1%	95.1%	94.8%	94.8%

Licensee Comments: none

ERO Drill Participation



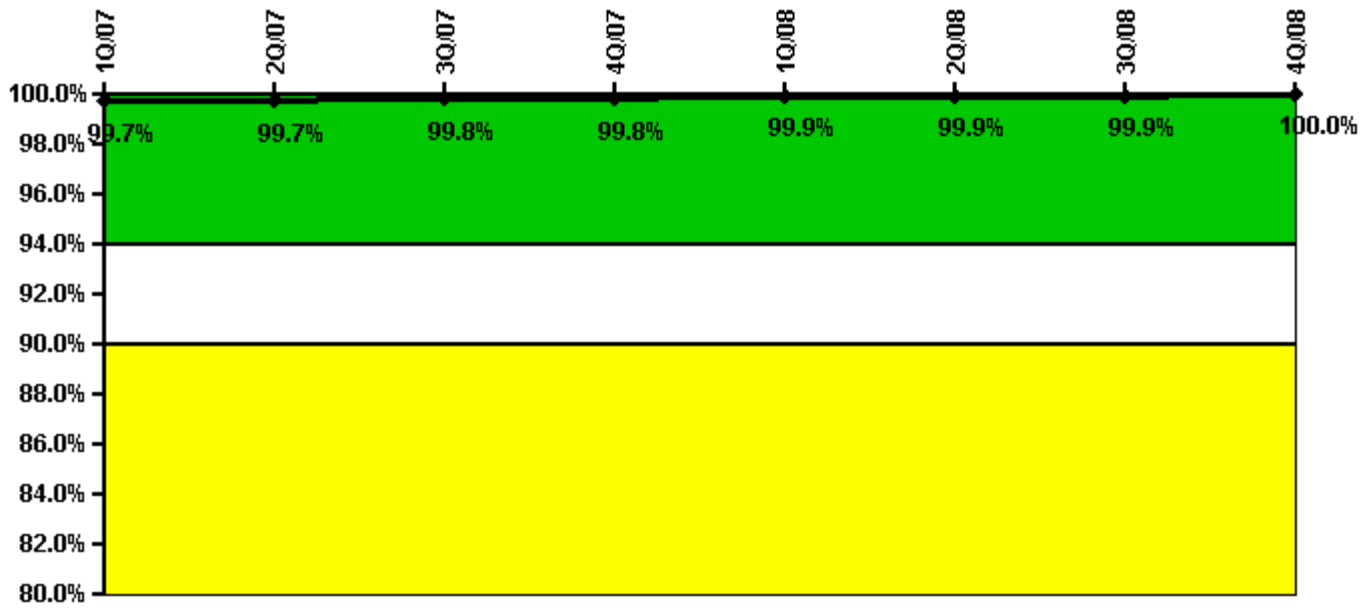
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	64.0	76.0	79.0	78.0	71.0	75.0	75.0	79.0
Total Key personnel	67.0	76.0	79.0	78.0	71.0	75.0	76.0	79.0
Indicator value	95.5%	100.0%	100.0%	100.0%	100.0%	100.0%	98.7%	100.0%

Licensee Comments: none

Alert & Notification System



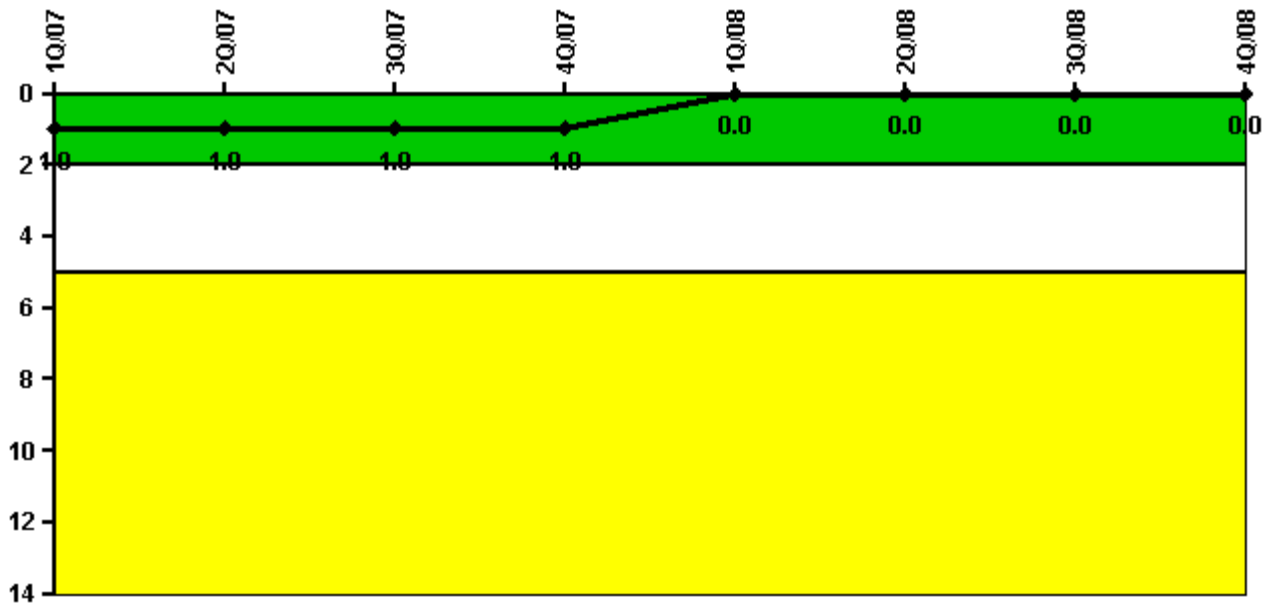
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	1045	916	1309	915	1048	916	1310	1047
Total sirens-tests	1048	917	1310	917	1048	917	1310	1048
Indicator value	99.7%	99.7%	99.8%	99.8%	99.9%	99.9%	99.9%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



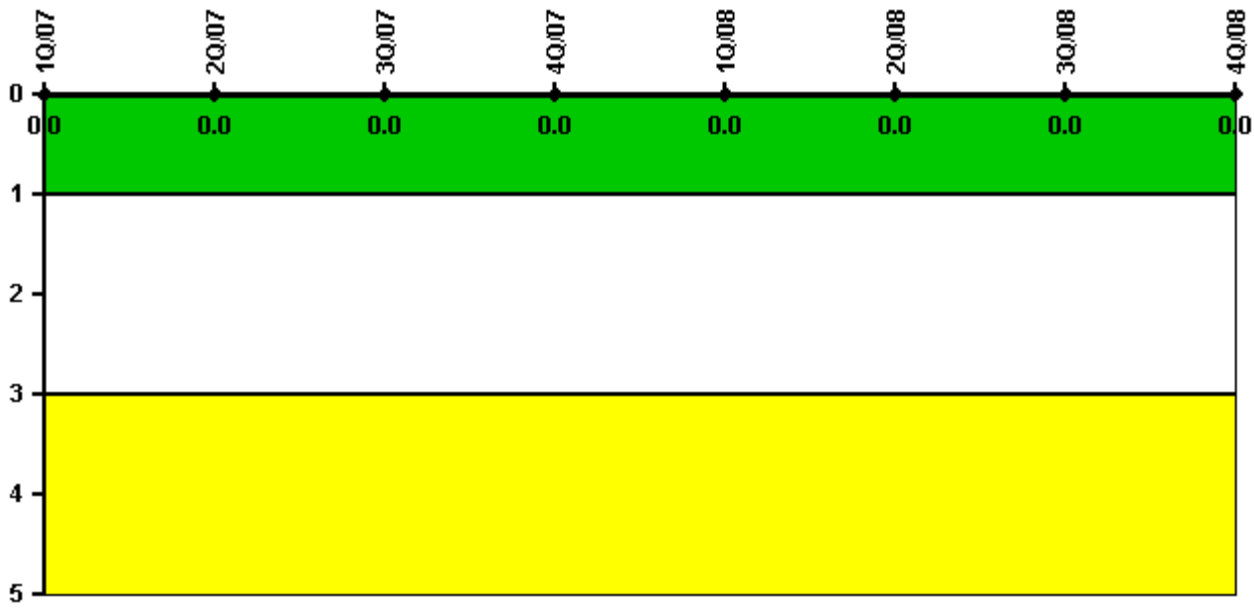
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	1	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

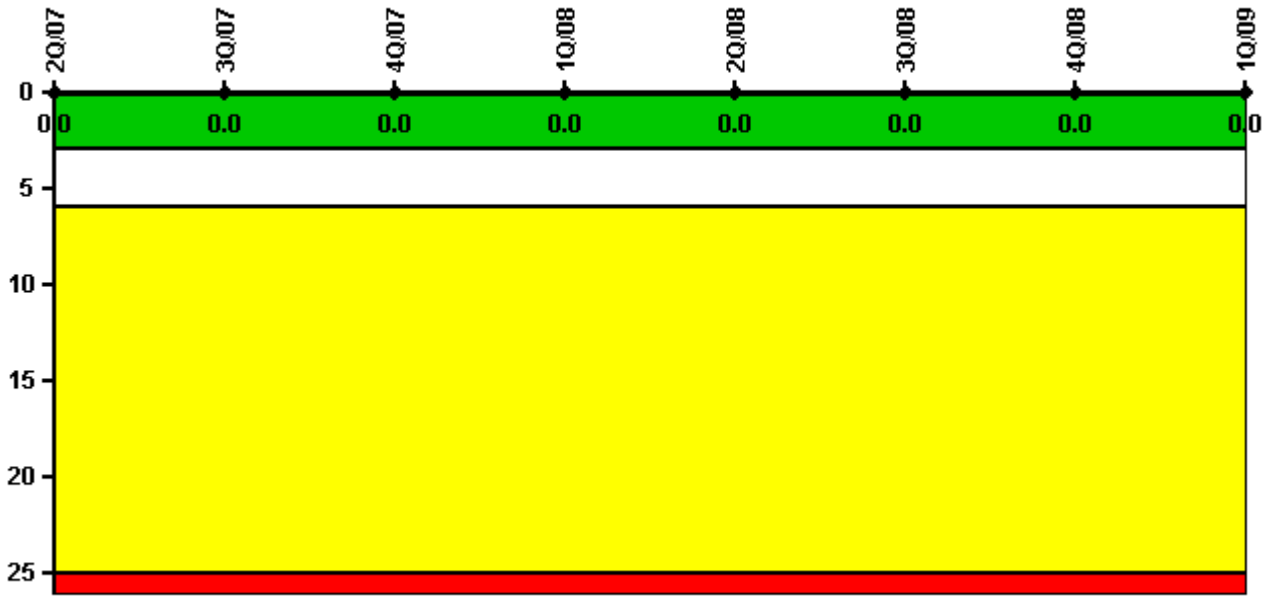
[Security](#) information not publicly available.

Diablo Canyon 1

1Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



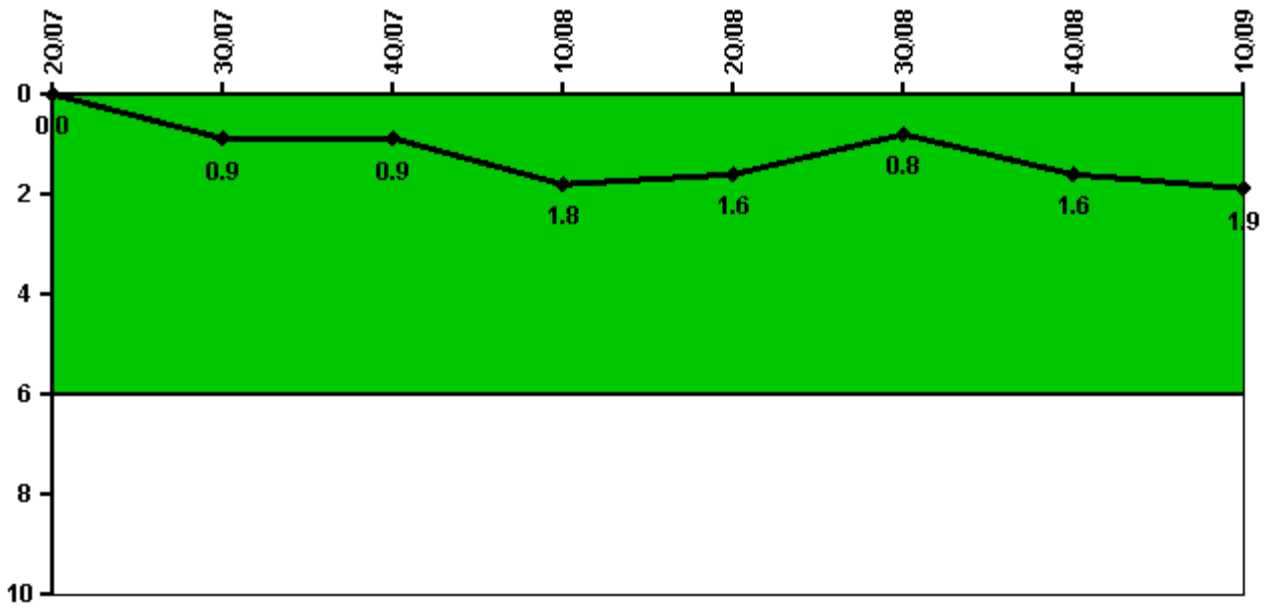
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1500.2	2085.6	2209.0	2183.0	2184.0	2208.0	2209.0	787.1
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



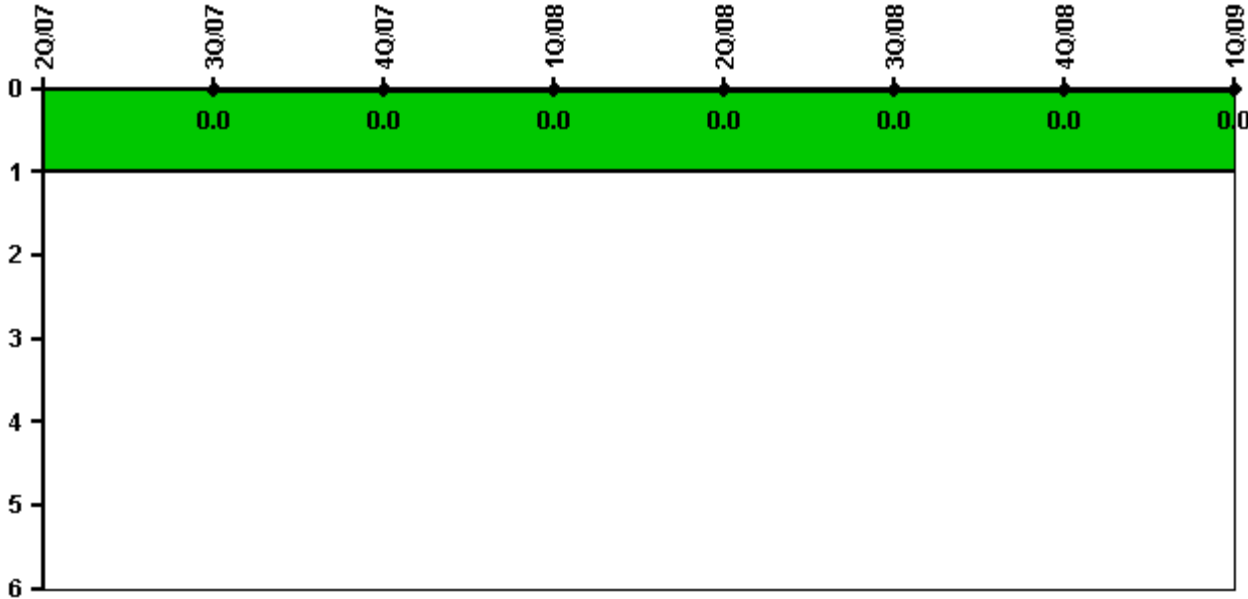
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	1.0	0	1.0	0	0	1.0	1.0
Critical hours	1500.2	2085.6	2209.0	2183.0	2184.0	2208.0	2209.0	787.1
Indicator value	0	0.9	0.9	1.8	1.6	0.8	1.6	1.9

Licensee Comments: none

Unplanned Scrams with Complications



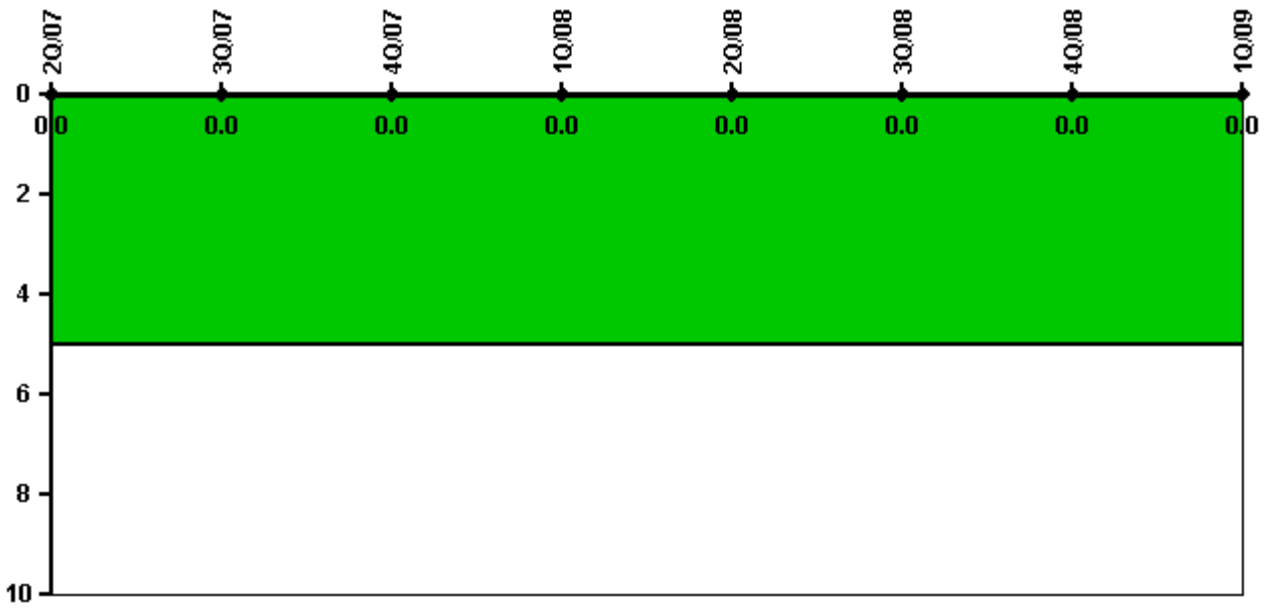
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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

Licensee Comments: none

Safety System Functional Failures (PWR)



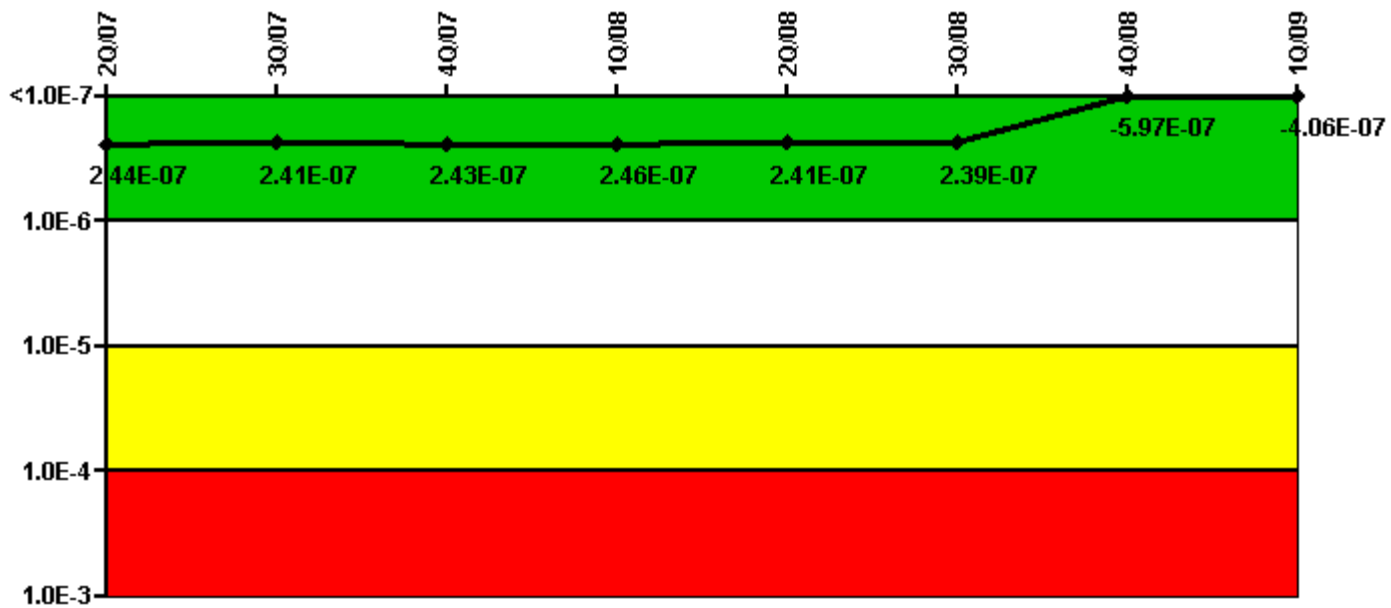
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	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

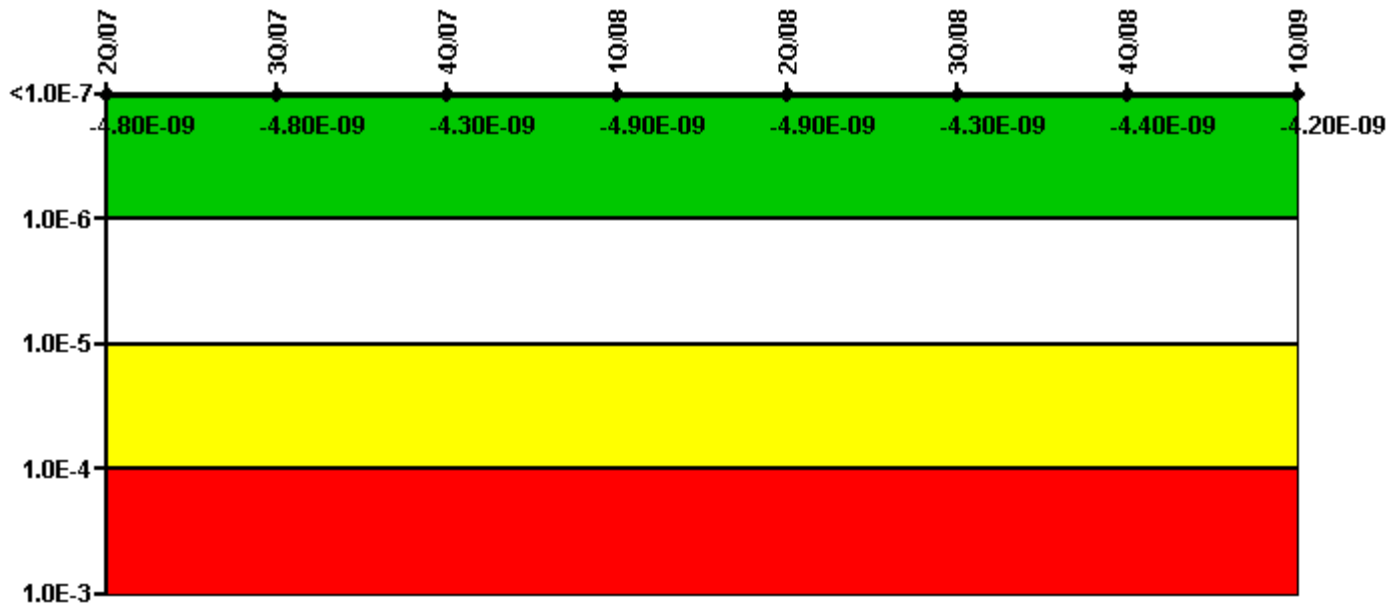
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	4.10E-09	5.20E-10	3.00E-09	6.00E-09	1.30E-09	-1.10E-09	1.30E-08	1.40E-08
URI (Δ CDF)	2.40E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07	-6.10E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.44E-07	2.41E-07	2.43E-07	2.46E-07	2.41E-07	2.39E-07	-5.97E-07	-4.06E-07

Licensee Comments:

1Q/09: Emergency AC Power mission was change from 24 hours back to 6 hours per approved FAQ 462. DCP's MSPI Bases document also reflects this change and includes additional documentation identified in approved FAQ 462.

Mitigating Systems Performance Index, High Pressure Injection System



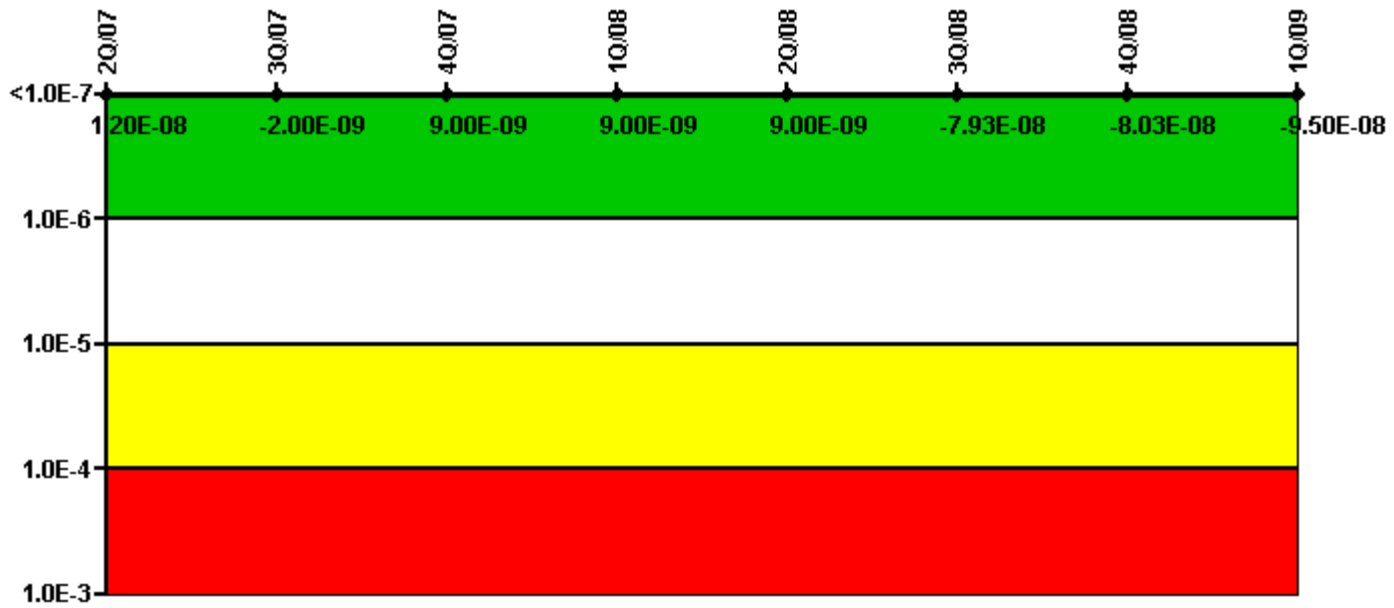
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-3.30E-09	-3.30E-09	-2.80E-09	-3.40E-09	-3.40E-09	-2.80E-09	-2.90E-09	-2.70E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.80E-09	-4.80E-09	-4.30E-09	-4.90E-09	-4.90E-09	-4.30E-09	-4.40E-09	-4.20E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



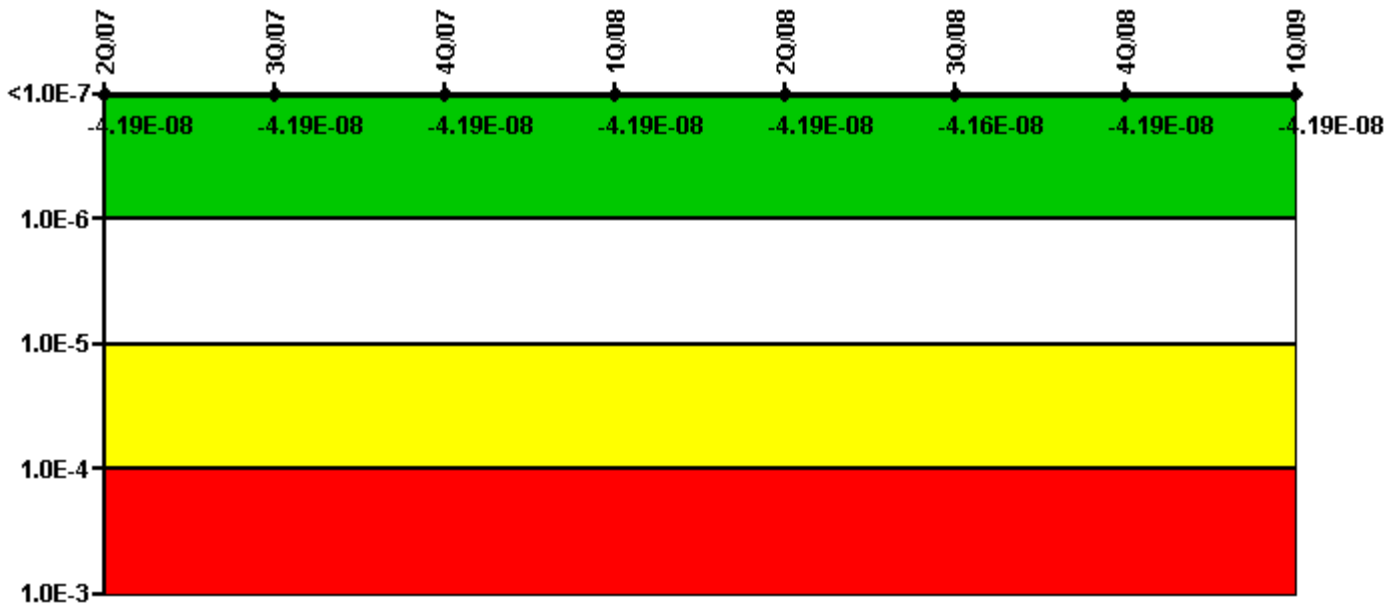
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	3.40E-08	2.00E-08	3.10E-08	3.10E-08	3.10E-08	4.70E-09	3.70E-09	-1.10E-08
URI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-8.40E-08	-8.40E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	-2.00E-09	9.00E-09	9.00E-09	9.00E-09	-7.93E-08	-8.03E-08	-9.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



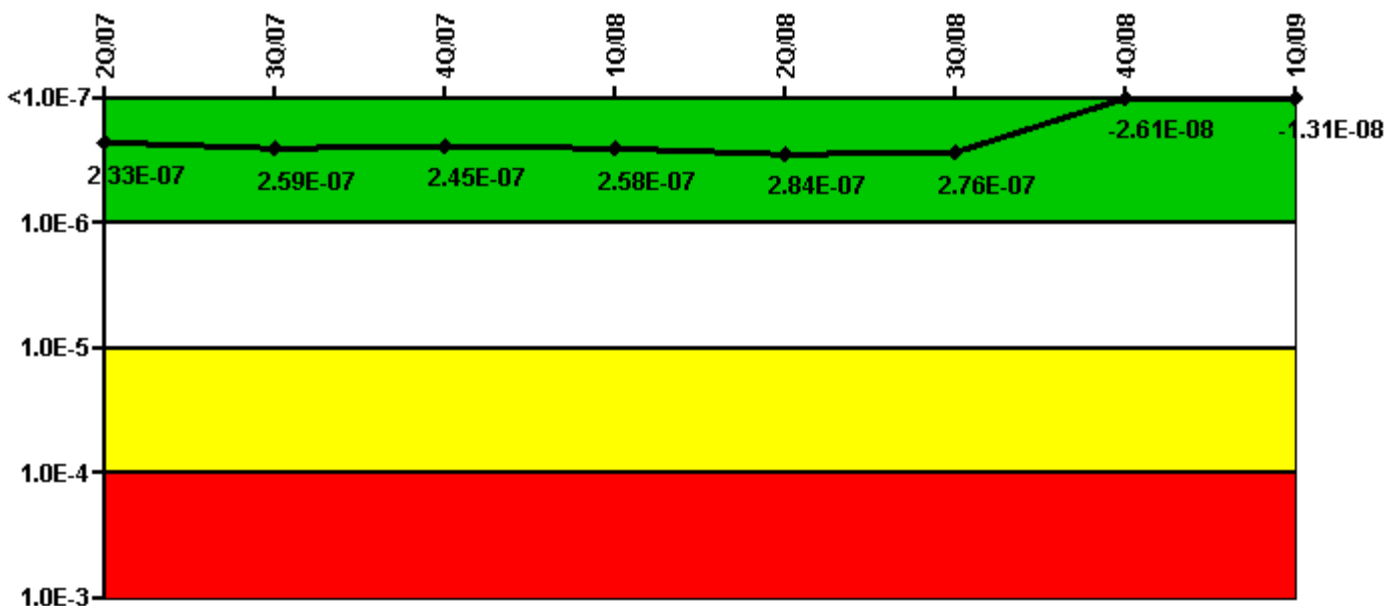
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.60E-09	-5.90E-09	-5.90E-09
URI (Δ CDF)	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.16E-08	-4.19E-08	-4.19E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



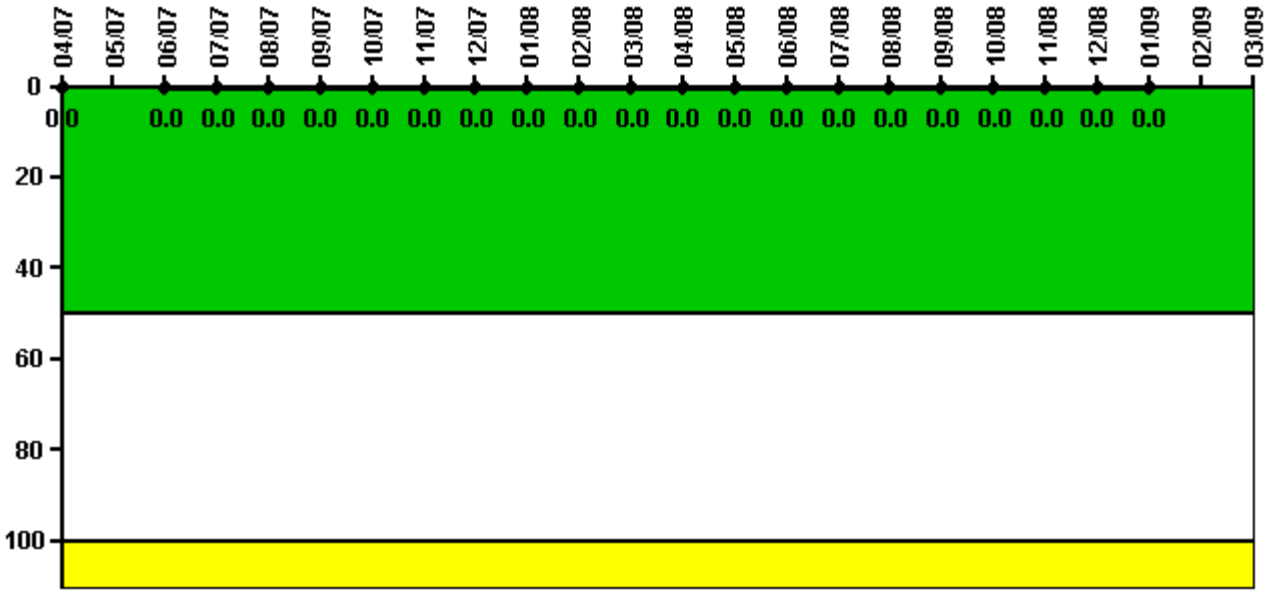
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-4.70E-08	-2.10E-08	-3.50E-08	-2.20E-08	3.50E-09	-4.00E-09	-1.80E-08	4.90E-09
URI (ΔCDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-8.10E-09	-1.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.33E-07	2.59E-07	2.45E-07	2.58E-07	2.84E-07	2.76E-07	-2.61E-08	-1.31E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

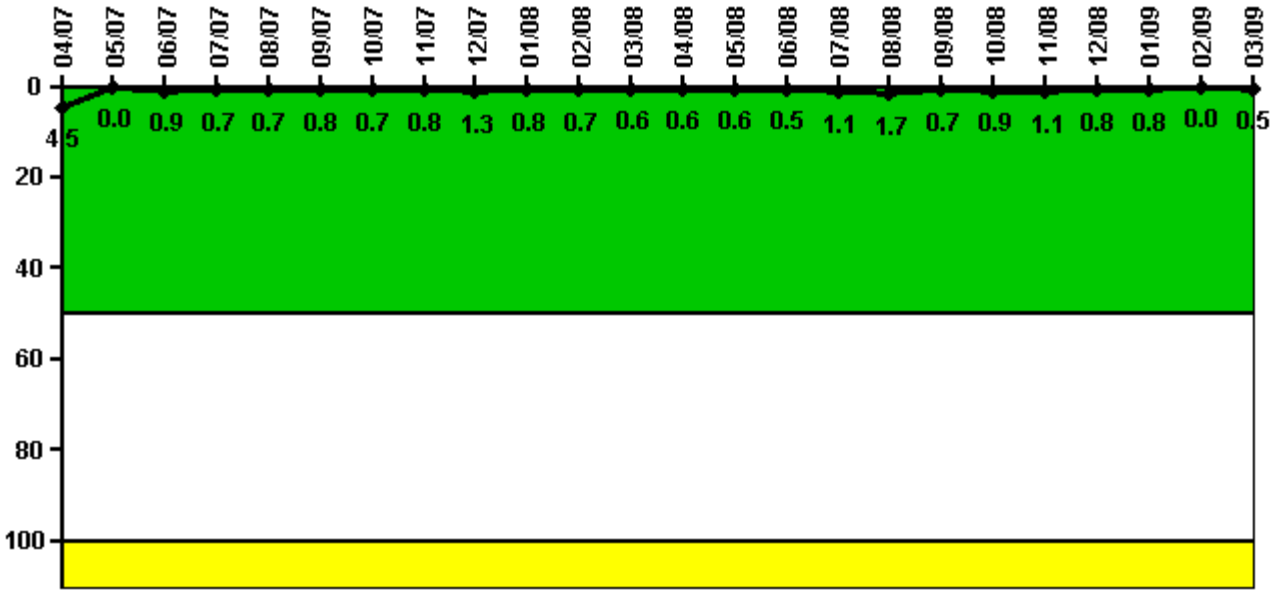
Notes

Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.000197	N/A	0.000070	0.000070	0.000065	0.000099	0.000092	0.000100	0.000101	0.000108	0.000108	0.000111
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	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.000122	0.000119	0.000127	0.000119	0.000124	0.000136	0.000227	0.000301	0.000142	0.000118	N/A	N/A
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	N/A	N/A

Licensee Comments: none

Reactor Coolant System Leakage



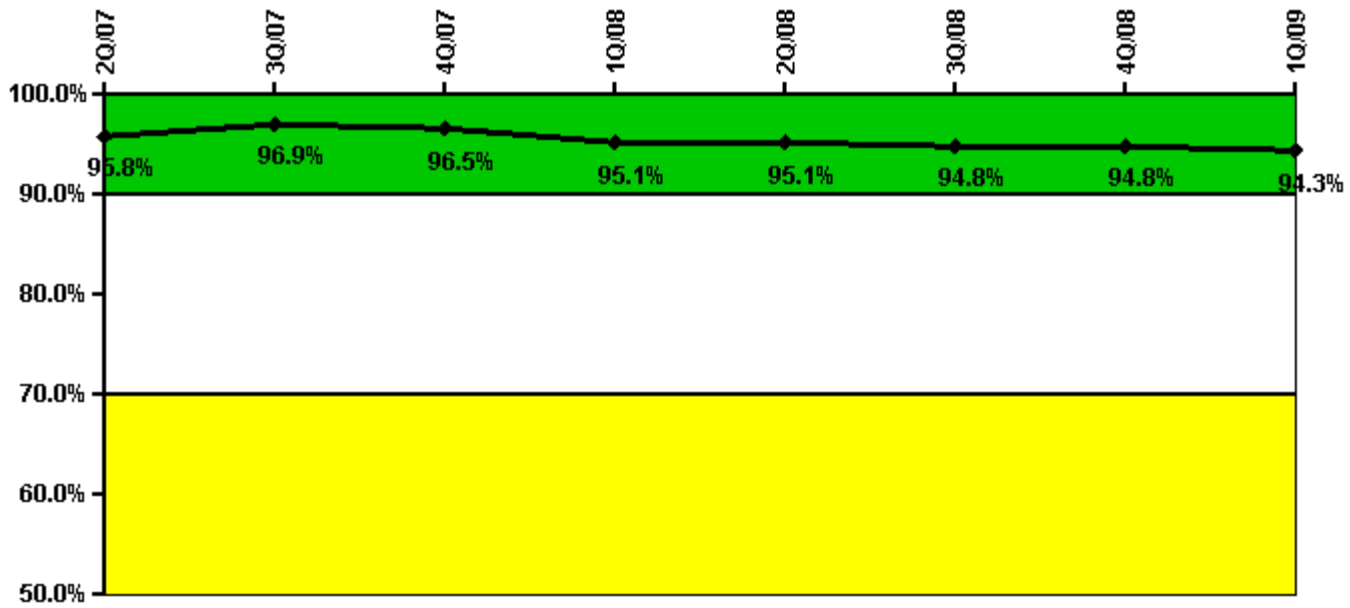
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.446	0	0.087	0.073	0.074	0.083	0.071	0.079	0.126	0.075	0.074	0.062
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	4.5	0	0.9	0.7	0.7	0.8	0.7	0.8	1.3	0.8	0.7	0.6
Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.063	0.060	0.051	0.111	0.166	0.070	0.085	0.107	0.075	0.083	0	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	0.6	0.6	0.5	1.1	1.7	0.7	0.9	1.1	0.8	0.8	0	0.5

Licensee Comments: none

Drill/Exercise Performance



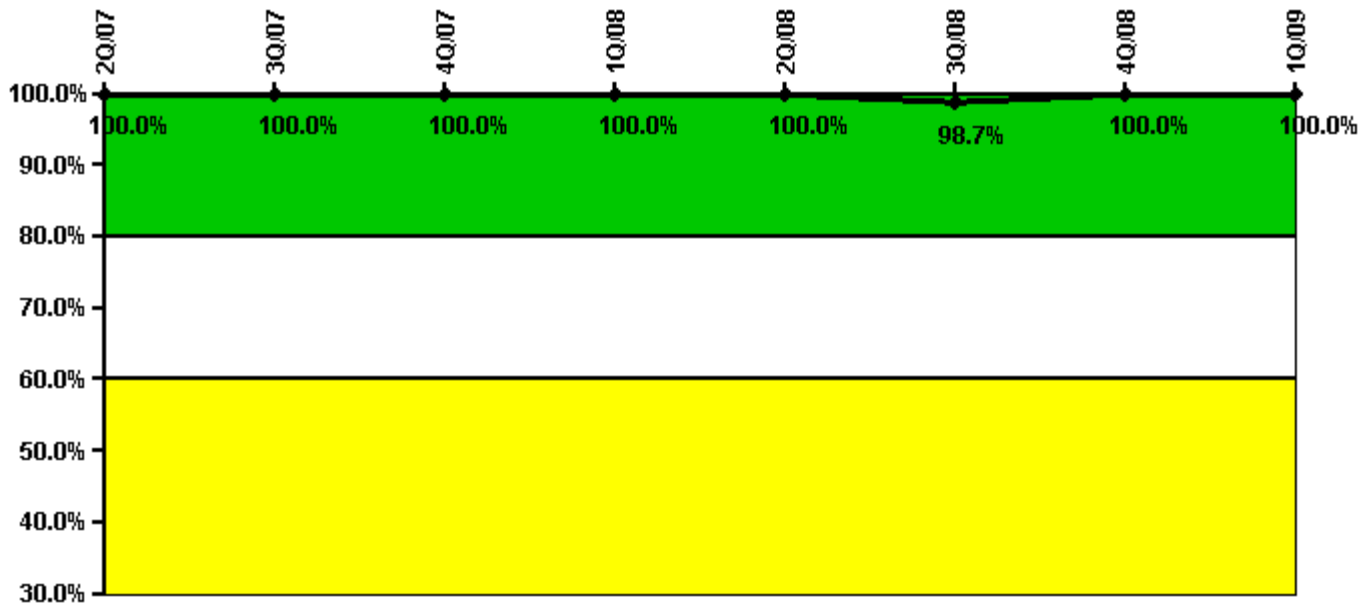
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	28.0	28.0	90.0	17.0	53.0	52.0	47.0	13.0
Total opportunities	28.0	33.0	90.0	18.0	56.0	57.0	52.0	14.0
Indicator value	95.8%	96.9%	96.5%	95.1%	95.1%	94.8%	94.8%	94.3%

Licensee Comments: none

ERO Drill Participation



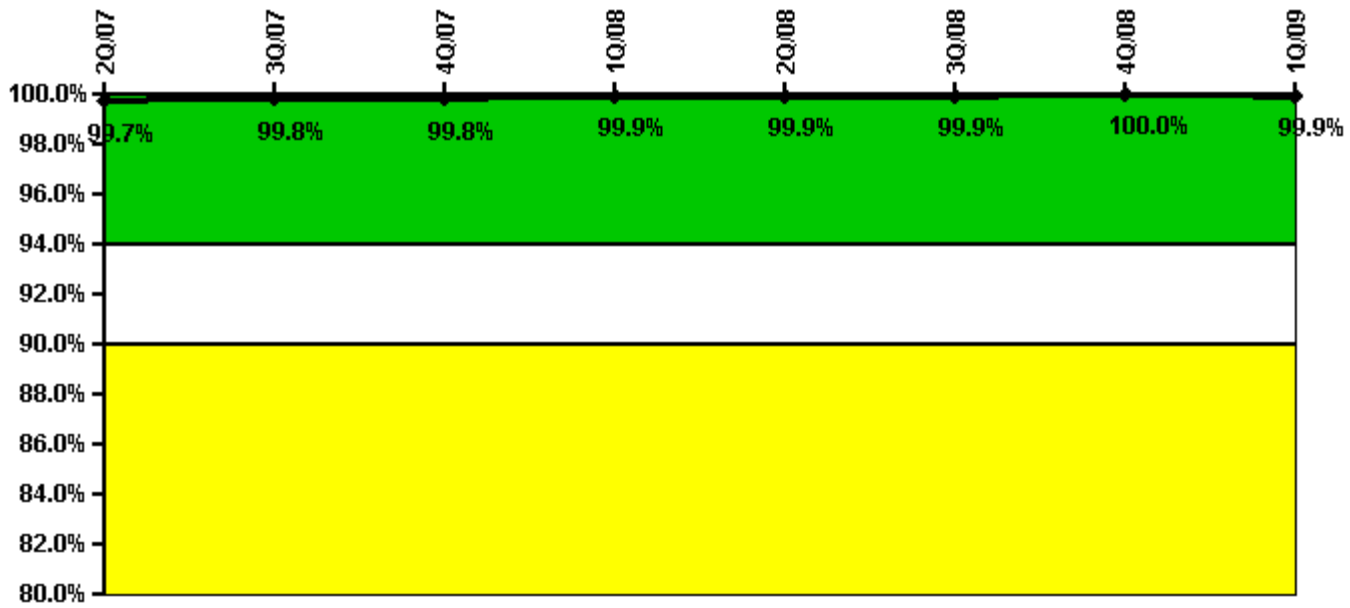
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	76.0	79.0	78.0	71.0	75.0	75.0	79.0	70.0
Total Key personnel	76.0	79.0	78.0	71.0	75.0	76.0	79.0	70.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	98.7%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



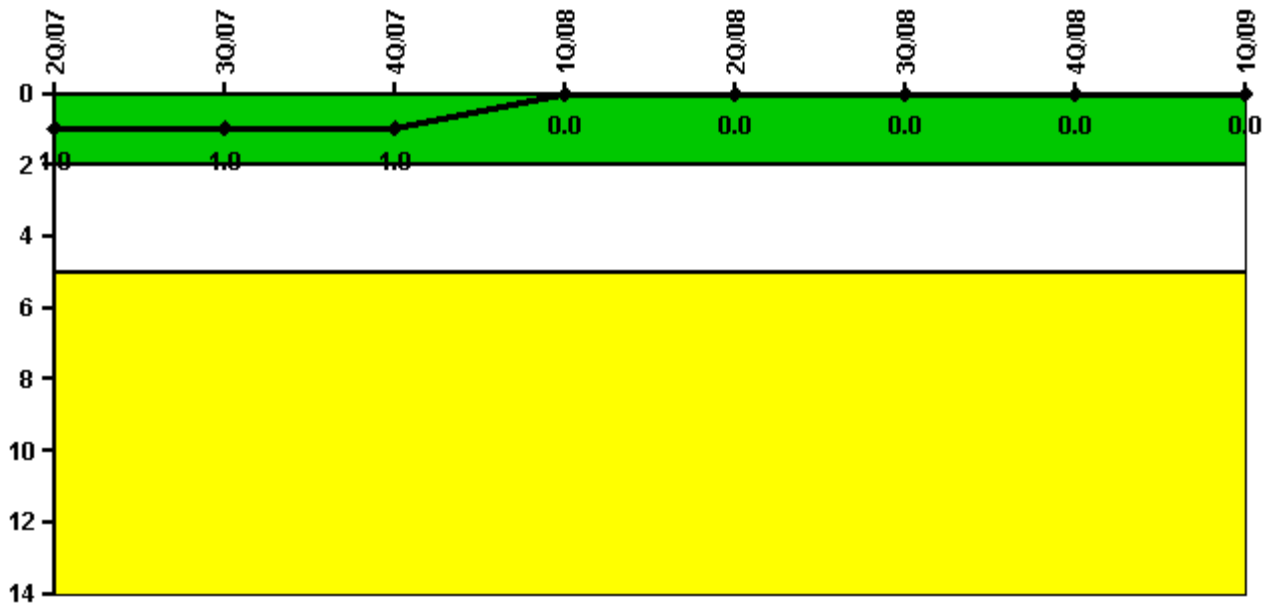
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	916	1309	915	1048	916	1310	1047	1047
Total sirens-tests	917	1310	917	1048	917	1310	1048	1048
Indicator value	99.7%	99.8%	99.8%	99.9%	99.9%	99.9%	100.0%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



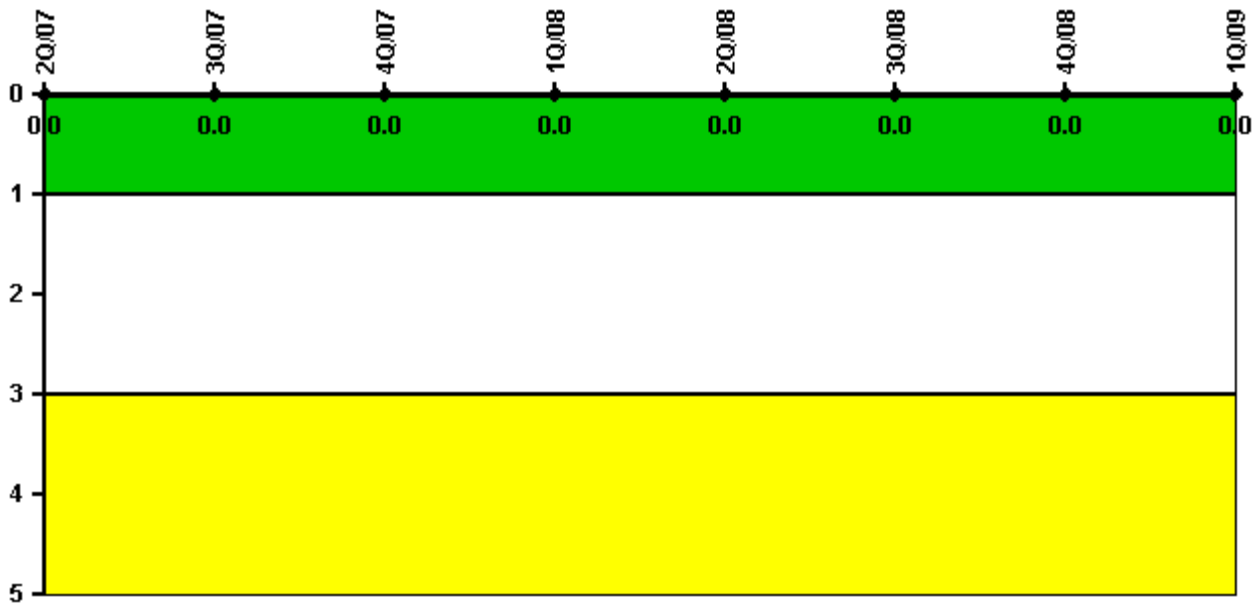
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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	1	1	1	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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

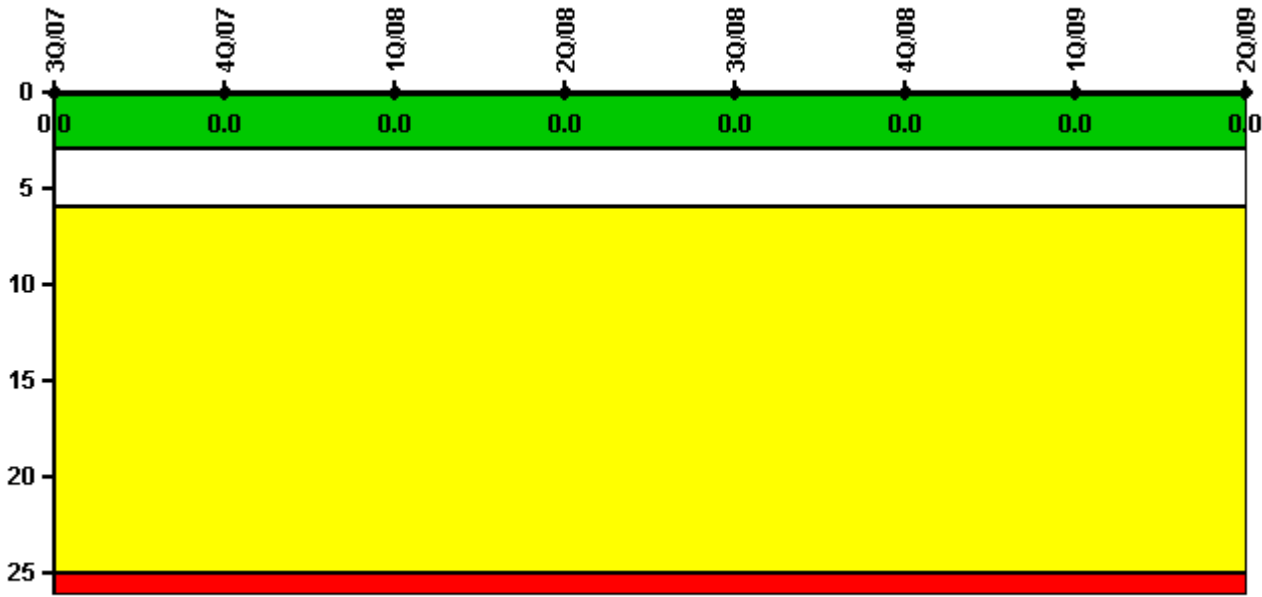
[Security](#) information not publicly available.

Diablo Canyon 1

2Q/2009 Performance Indicators

Licensee's General Comments: Transmitted via DCL-09-052 dated July 21, 2009.

Unplanned Scrams per 7000 Critical Hrs



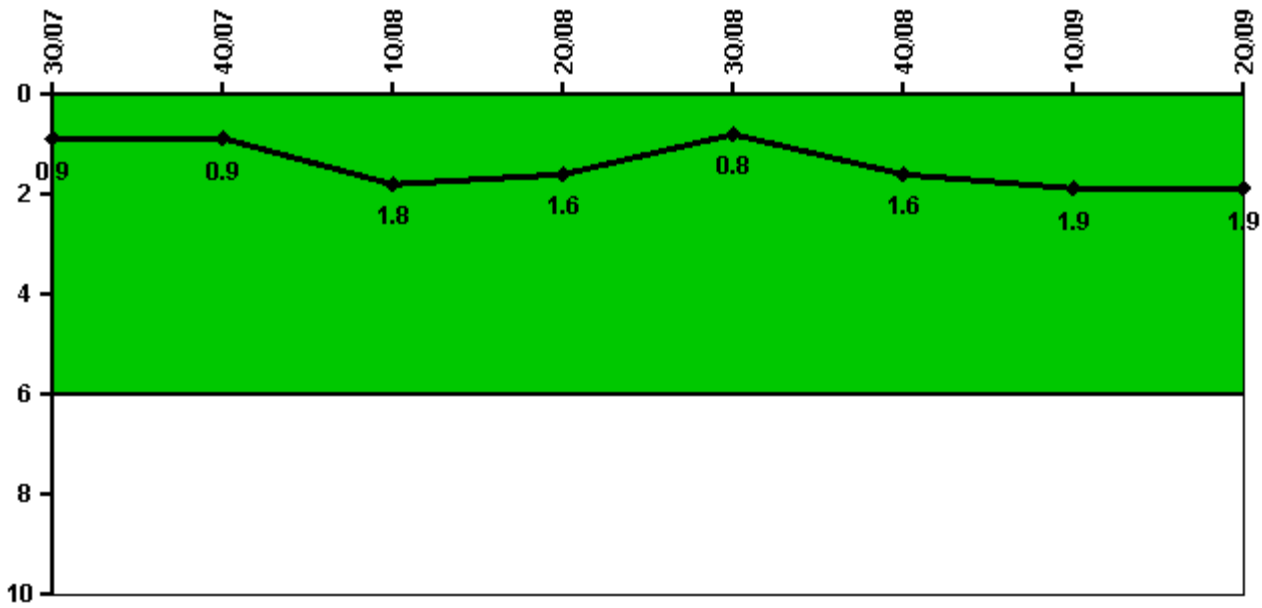
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2085.6	2209.0	2183.0	2184.0	2208.0	2209.0	787.1	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



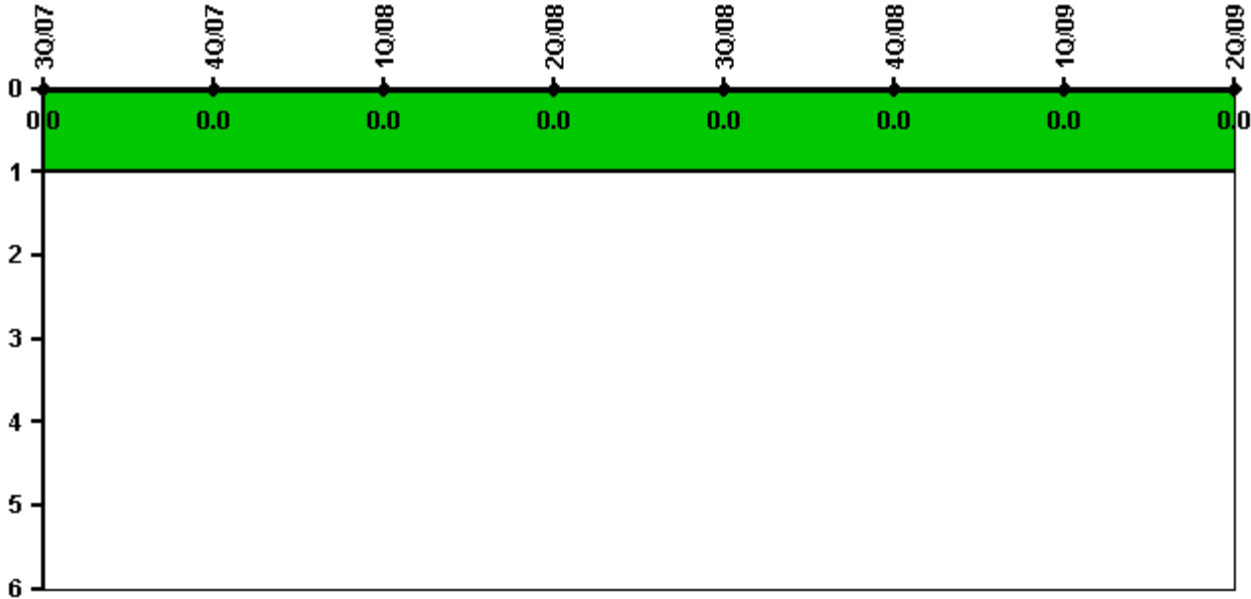
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	1.0	0	1.0	0	0	1.0	1.0	0
Critical hours	2085.6	2209.0	2183.0	2184.0	2208.0	2209.0	787.1	2184.0
Indicator value	0.9	0.9	1.8	1.6	0.8	1.6	1.9	1.9

Licensee Comments: none

Unplanned Scrams with Complications



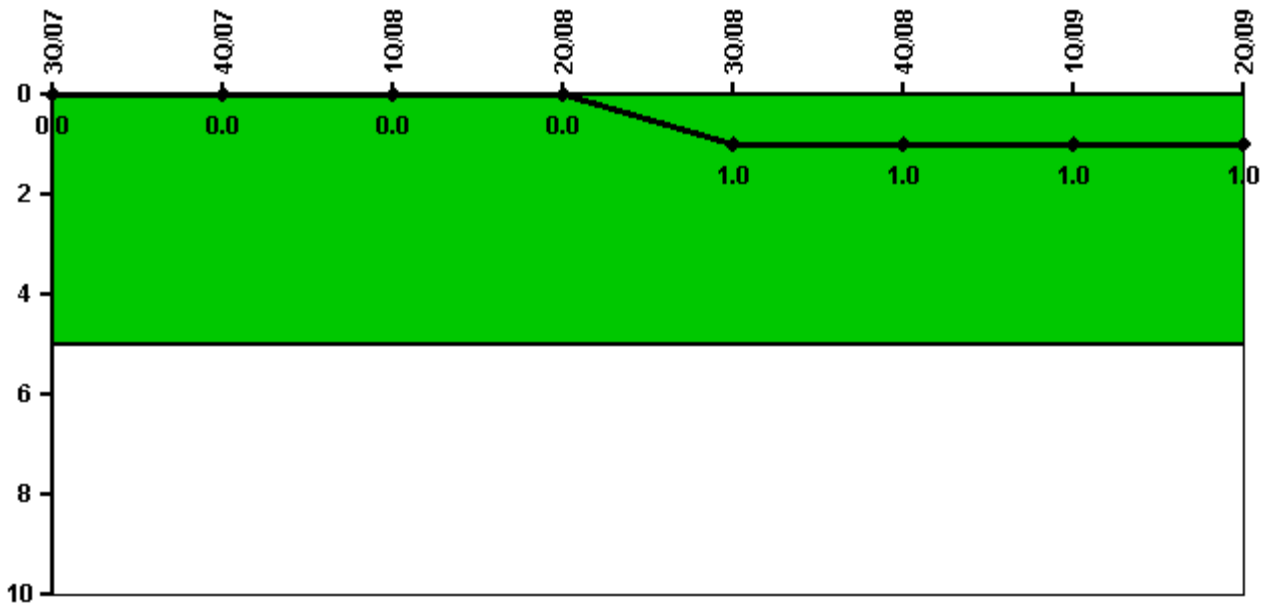
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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

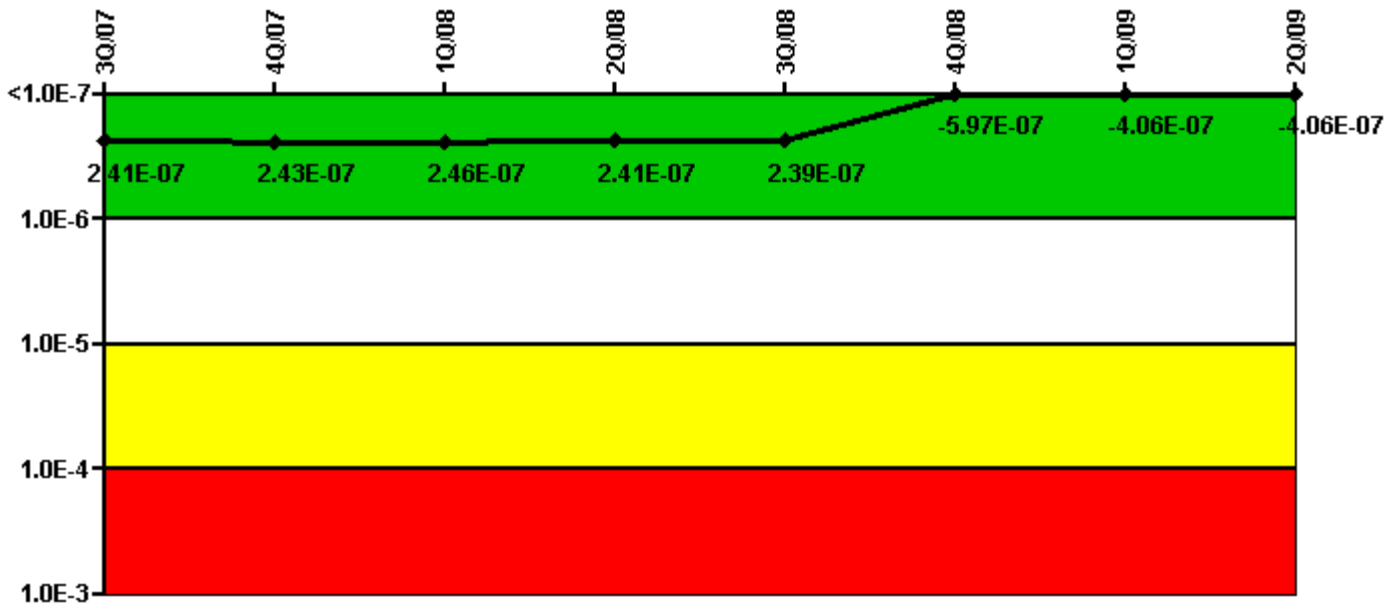
Notes

Safety System Functional Failures (PWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	0	0	0	0	1	1	1	1

Licensee Comments:

3Q/08: LER 1-2008-001-00 reported an event that was identified during April 2009 as a SSFF.

Mitigating Systems Performance Index, Emergency AC Power System



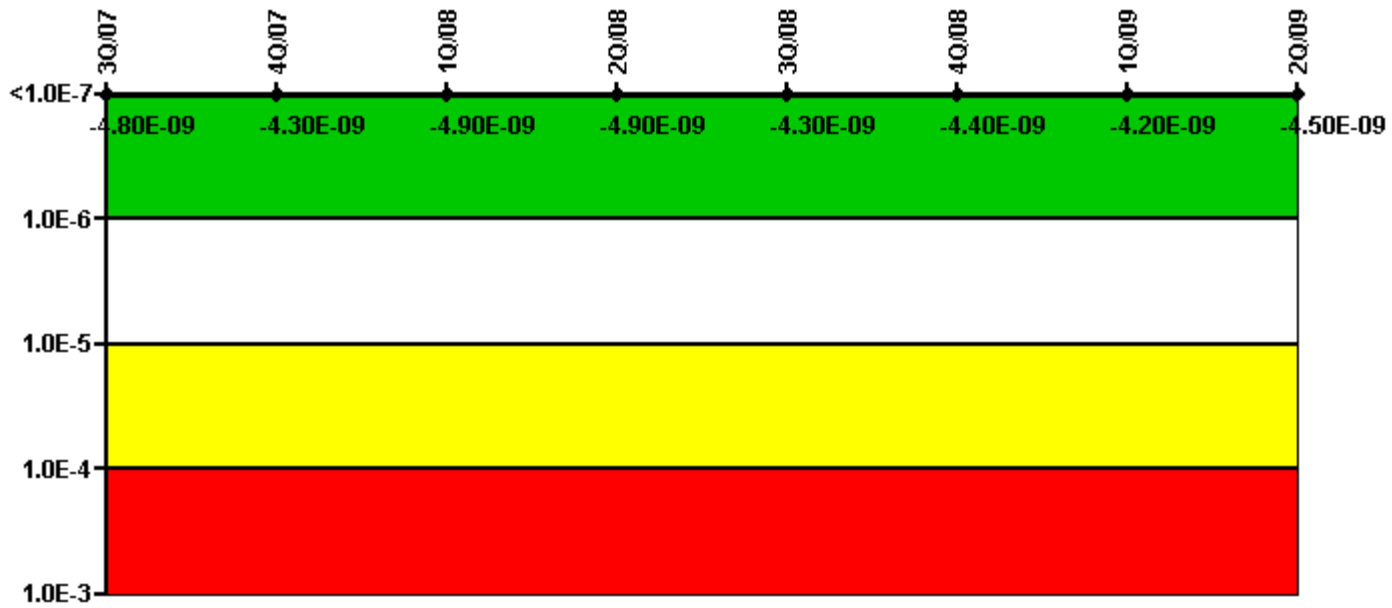
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	5.20E-10	3.00E-09	6.00E-09	1.30E-09	-1.10E-09	1.30E-08	1.40E-08	1.40E-08
URI (ΔCDF)	2.40E-07	2.40E-07	2.40E-07	2.40E-07	2.40E-07	-6.10E-07	-4.20E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.41E-07	2.43E-07	2.46E-07	2.41E-07	2.39E-07	-5.97E-07	-4.06E-07	-4.06E-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

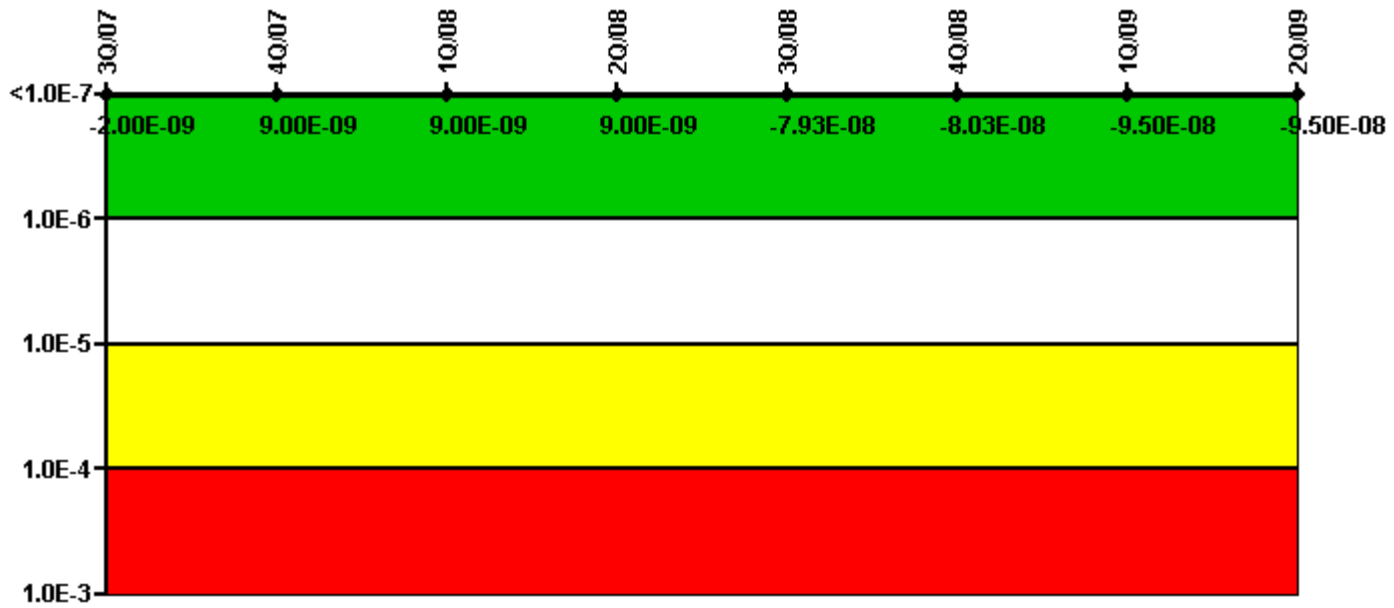
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	-3.30E-09	-2.80E-09	-3.40E-09	-3.40E-09	-2.80E-09	-2.90E-09	-2.70E-09	-3.00E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.80E-09	-4.30E-09	-4.90E-09	-4.90E-09	-4.30E-09	-4.40E-09	-4.20E-09	-4.50E-09

Licensee Comments:

2Q/09: Changed the demands and run hours for the Unit 1 Centrifugal Charging Pumps (CCP) 1 and 2 because of the installation of the new CCP-3.

Mitigating Systems Performance Index, Heat Removal System



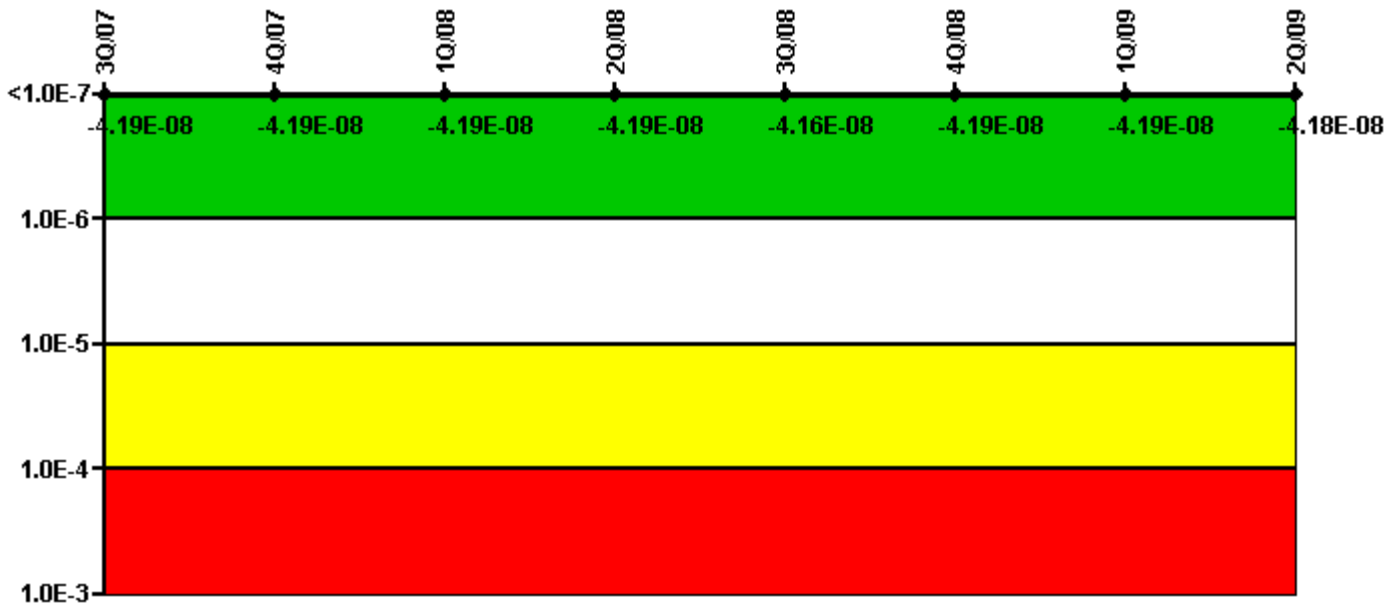
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	2.00E-08	3.10E-08	3.10E-08	3.10E-08	4.70E-09	3.70E-09	-1.10E-08	-1.10E-08
URI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-09	9.00E-09	9.00E-09	9.00E-09	-7.93E-08	-8.03E-08	-9.50E-08	-9.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



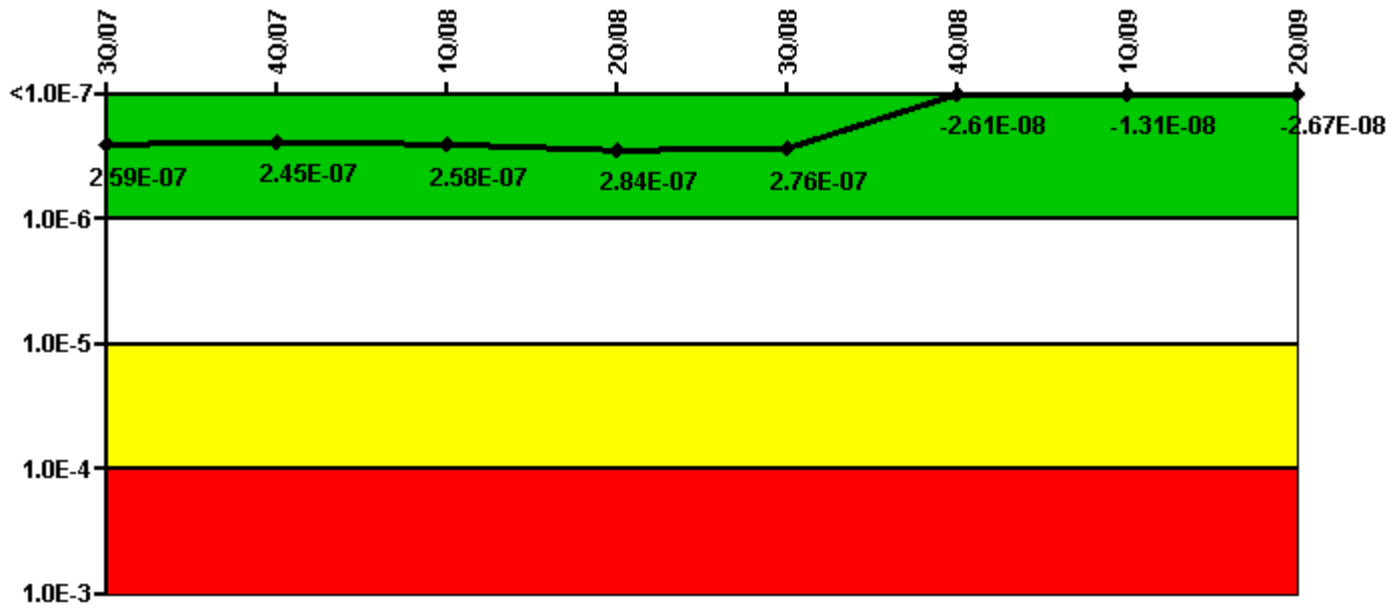
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.60E-09	-5.90E-09	-5.90E-09	-5.80E-09
URI (ΔCDF)	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.19E-08	-4.19E-08	-4.19E-08	-4.19E-08	-4.16E-08	-4.19E-08	-4.19E-08	-4.18E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



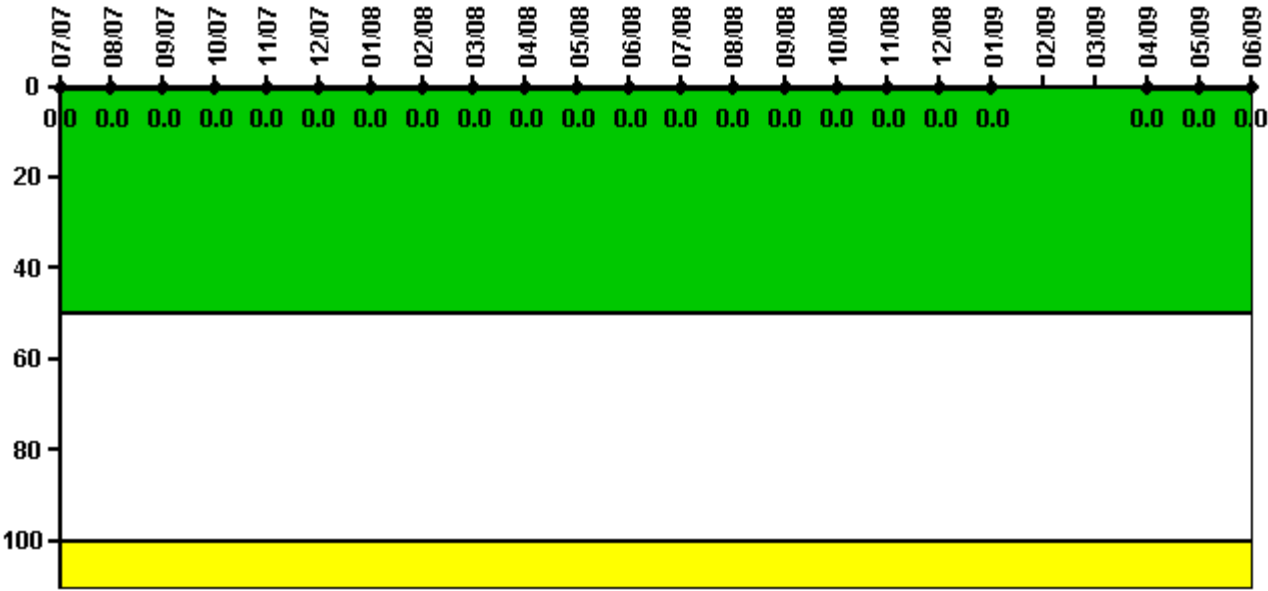
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	-2.10E-08	-3.50E-08	-2.20E-08	3.50E-09	-4.00E-09	-1.80E-08	4.90E-09	-8.70E-09
URI (Δ CDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-8.10E-09	-1.80E-08	-1.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.59E-07	2.45E-07	2.58E-07	2.84E-07	2.76E-07	-2.61E-08	-1.31E-08	-2.67E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

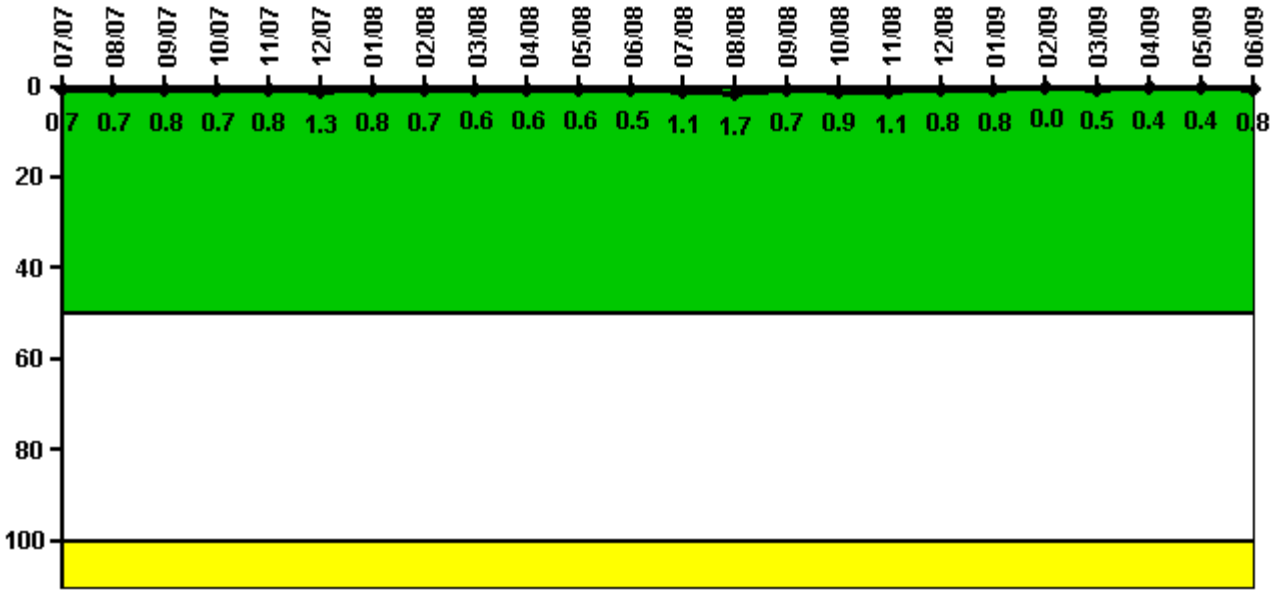
Notes

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000070	0.000065	0.000099	0.000092	0.000100	0.000101	0.000108	0.000108	0.000111	0.000122	0.000119	0.000127
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

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.000119	0.000124	0.000136	0.000227	0.000301	0.000142	0.000118	N/A	N/A	0.000069	0.000082	0.000088
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	N/A	N/A	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



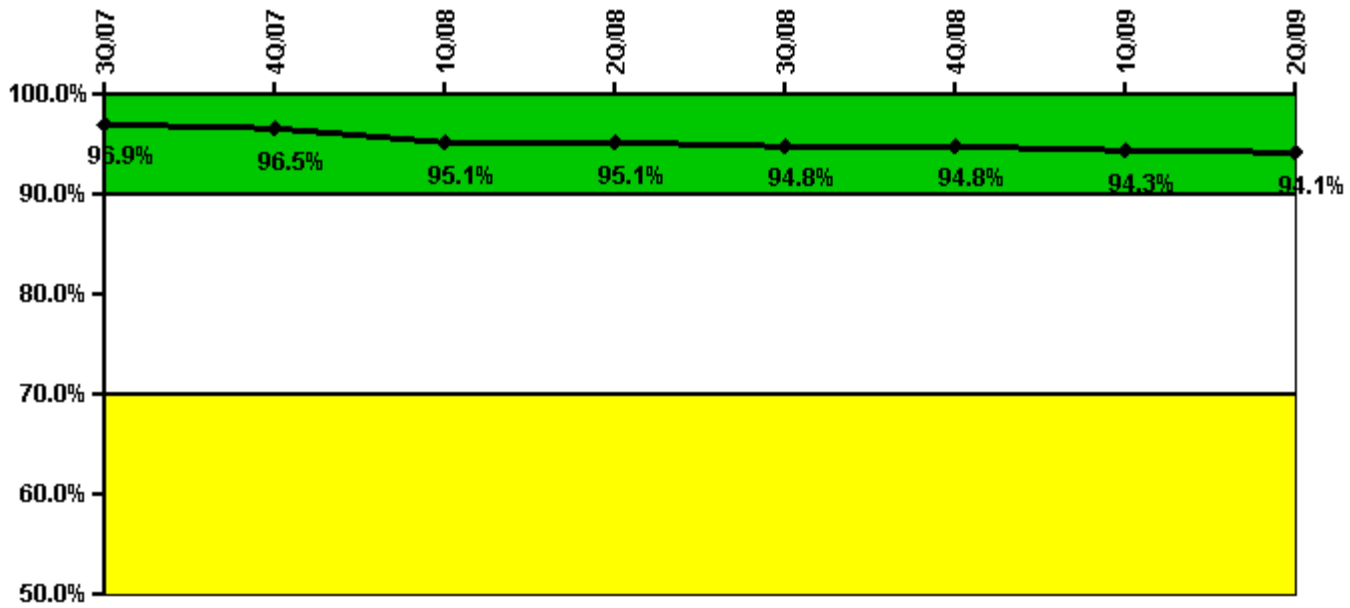
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.073	0.074	0.083	0.071	0.079	0.126	0.075	0.074	0.062	0.063	0.060	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	0.7	0.7	0.8	0.7	0.8	1.3	0.8	0.7	0.6	0.6	0.6	0.5
Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.111	0.166	0.070	0.085	0.107	0.075	0.083	0	0.053	0.039	0.036	0.076
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	1.1	1.7	0.7	0.9	1.1	0.8	0.8	0	0.5	0.4	0.4	0.8

Licensee Comments: none

Drill/Exercise Performance



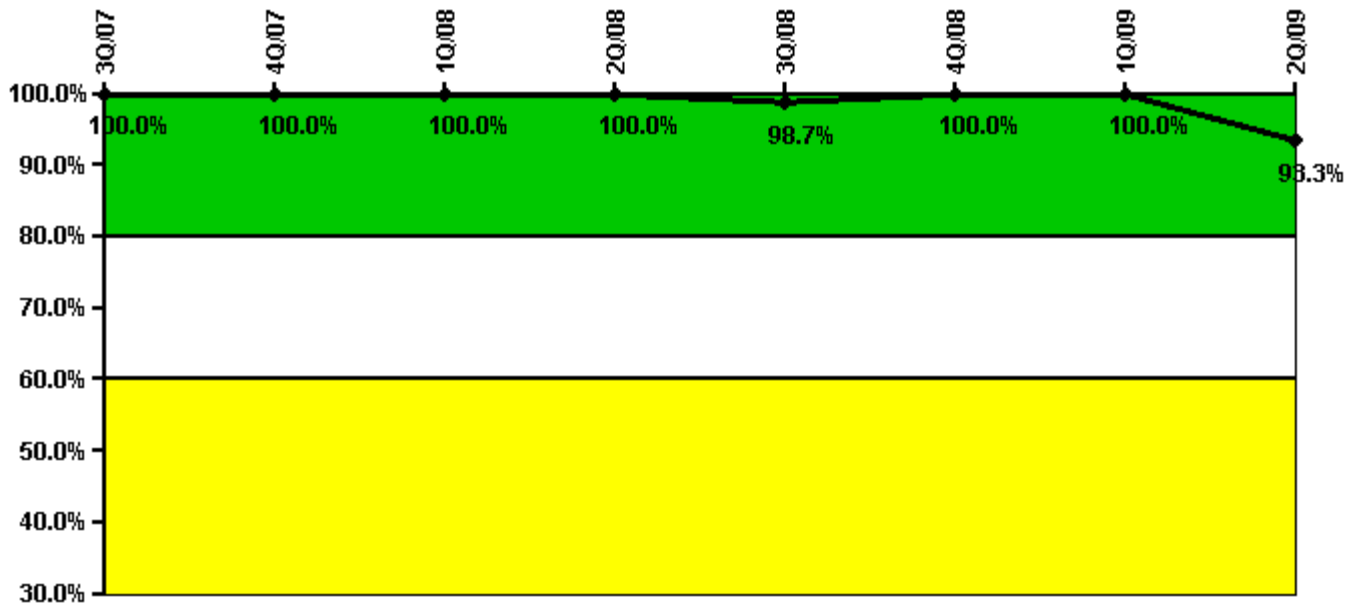
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	28.0	90.0	17.0	53.0	52.0	47.0	13.0	53.0
Total opportunities	33.0	90.0	18.0	56.0	57.0	52.0	14.0	55.0
Indicator value	96.9%	96.5%	95.1%	95.1%	94.8%	94.8%	94.3%	94.1%

Licensee Comments: none

ERO Drill Participation



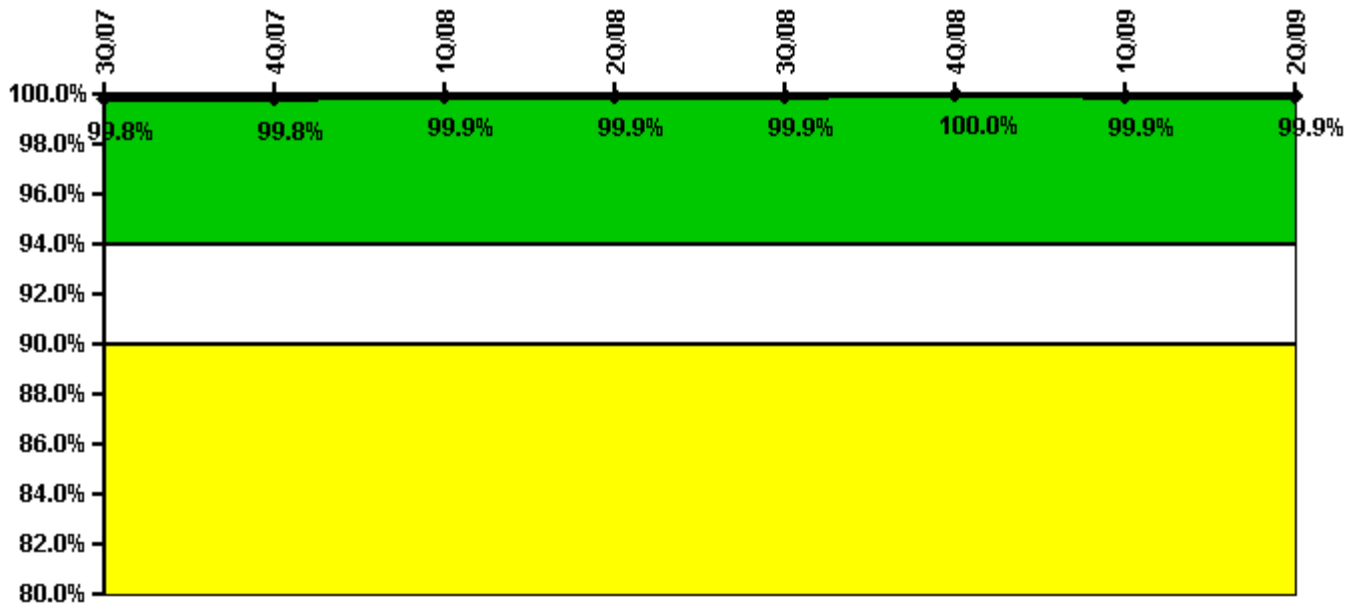
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	79.0	78.0	71.0	75.0	75.0	79.0	70.0	83.0
Total Key personnel	79.0	78.0	71.0	75.0	76.0	79.0	70.0	89.0
Indicator value	100.0%	100.0%	100.0%	100.0%	98.7%	100.0%	100.0%	93.3%

Licensee Comments: none

Alert & Notification System



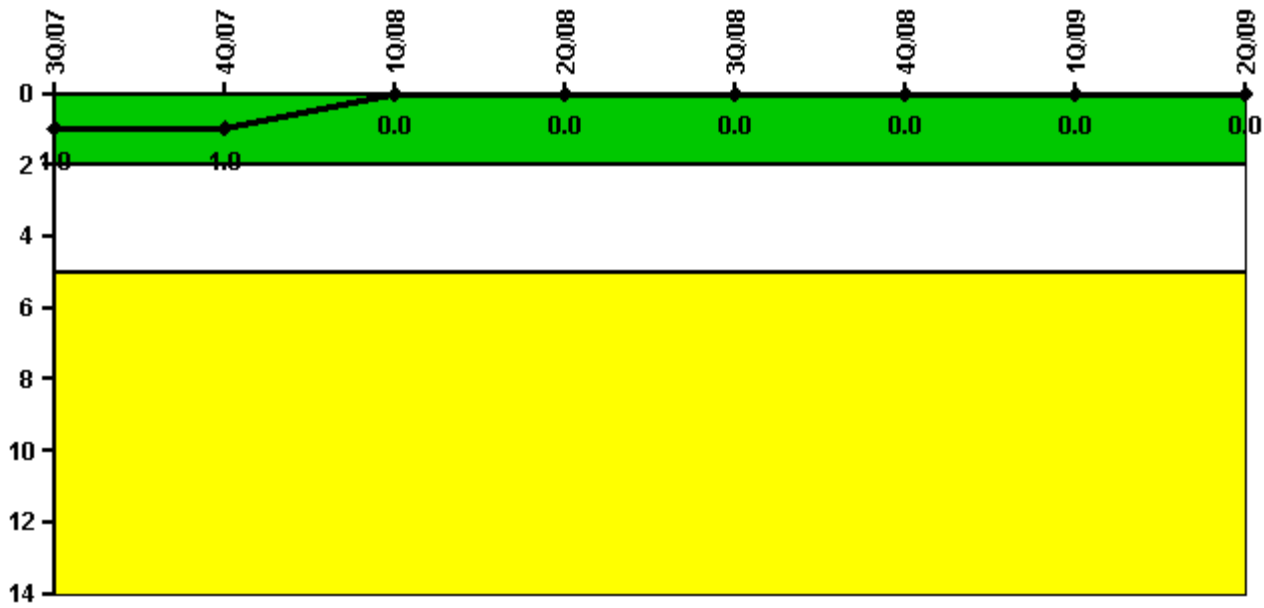
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	1309	915	1048	916	1310	1047	1047	916
Total sirens-tests	1310	917	1048	917	1310	1048	1048	917
Indicator value	99.8%	99.8%	99.9%	99.9%	99.9%	100.0%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



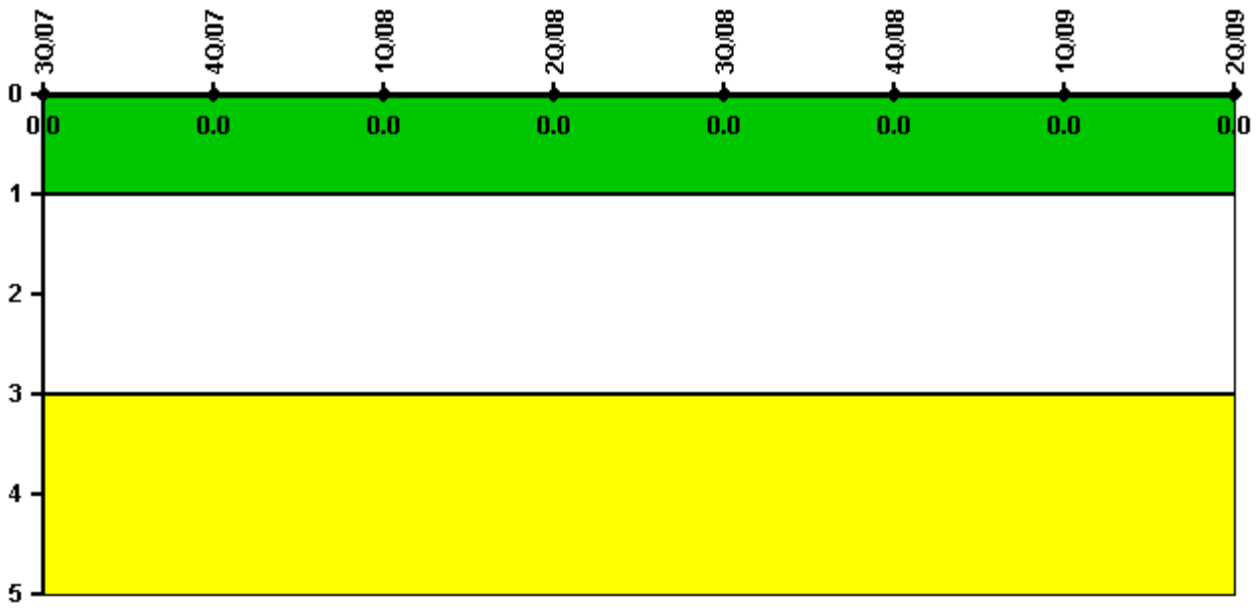
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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	1	1	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	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

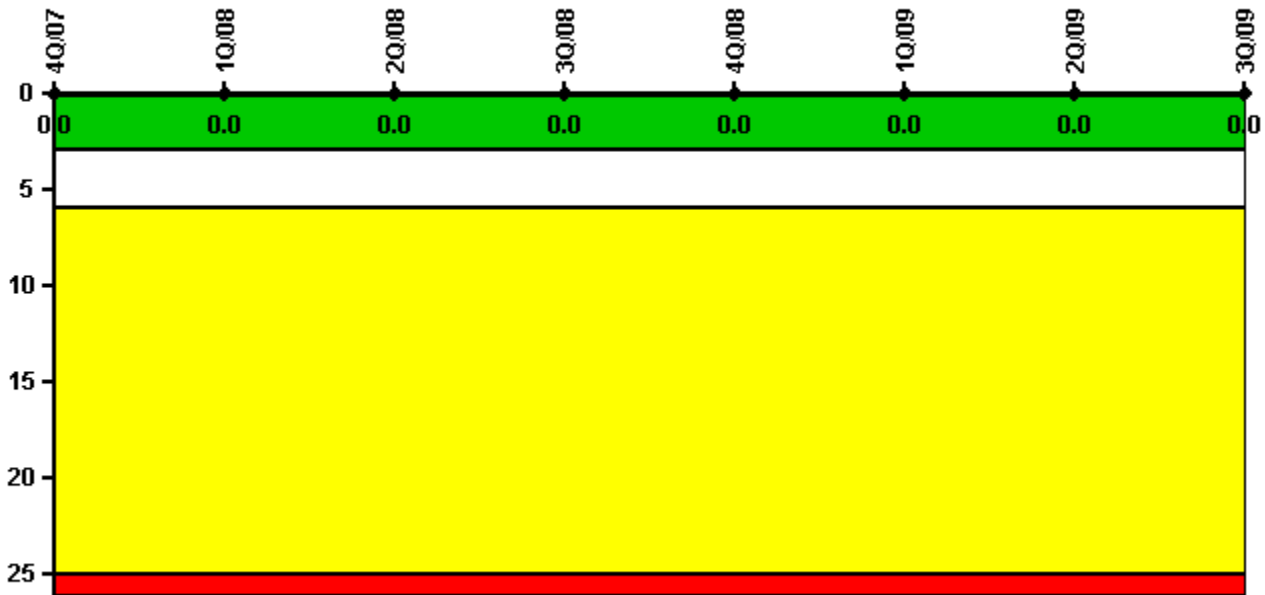
[Security](#) information not publicly available.

Diablo Canyon 1

3Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



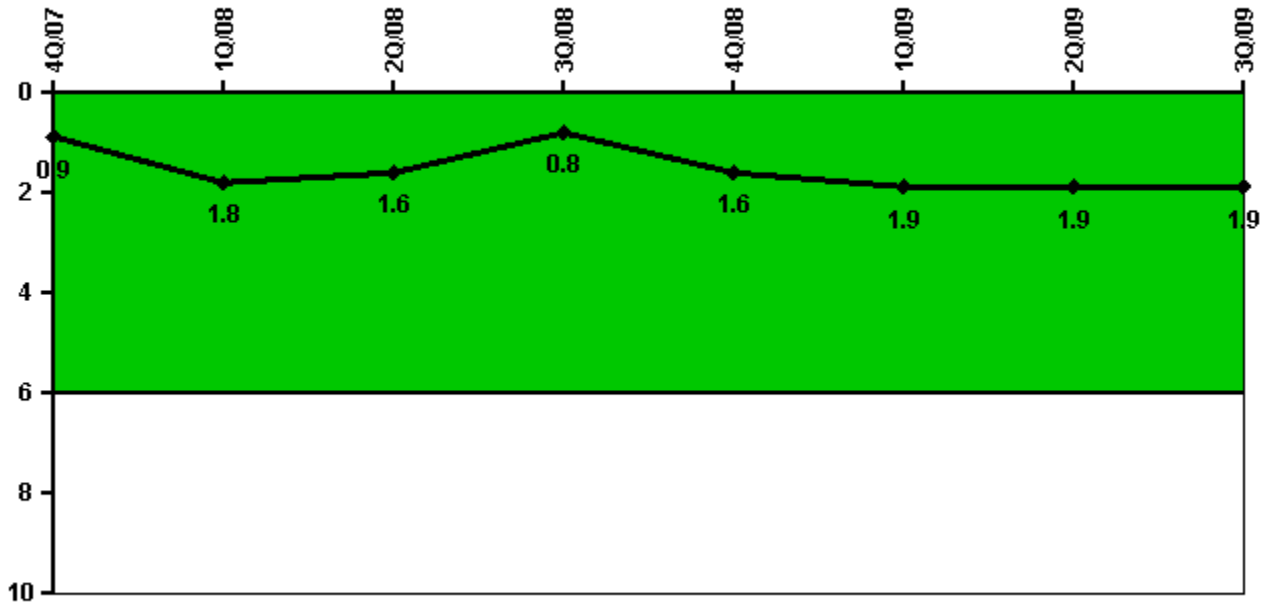
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	787.1	2184.0	2160.4
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



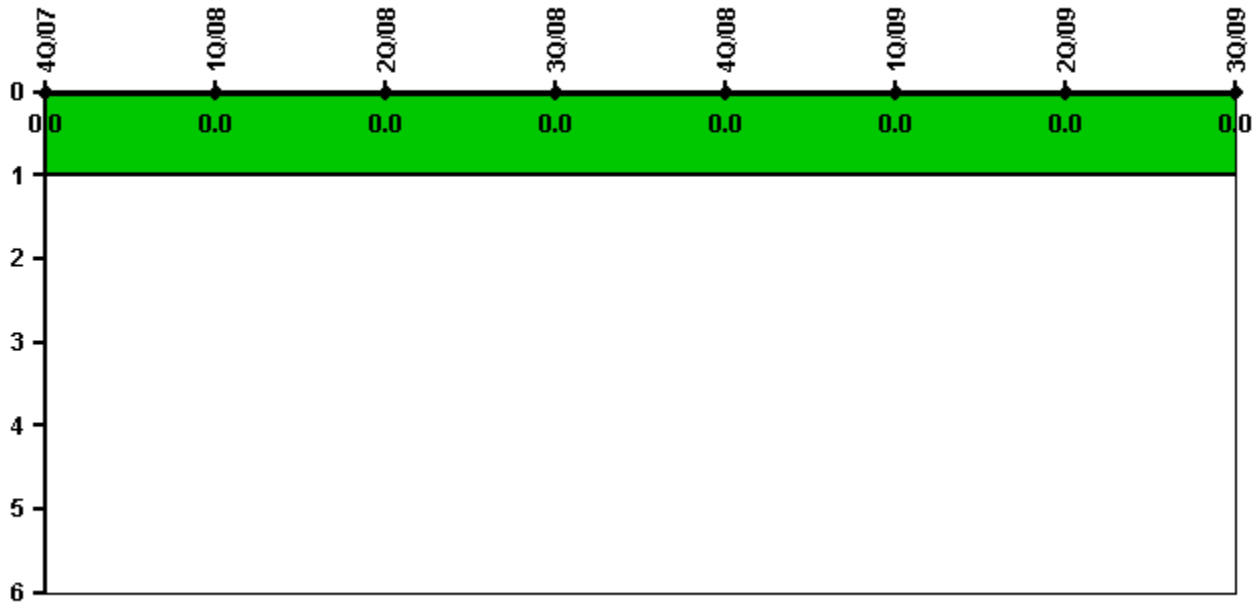
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	1.0	0	0	1.0	1.0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	787.1	2184.0	2160.4
Indicator value	0.9	1.8	1.6	0.8	1.6	1.9	1.9	1.9

Licensee Comments: none

Unplanned Scrams with Complications



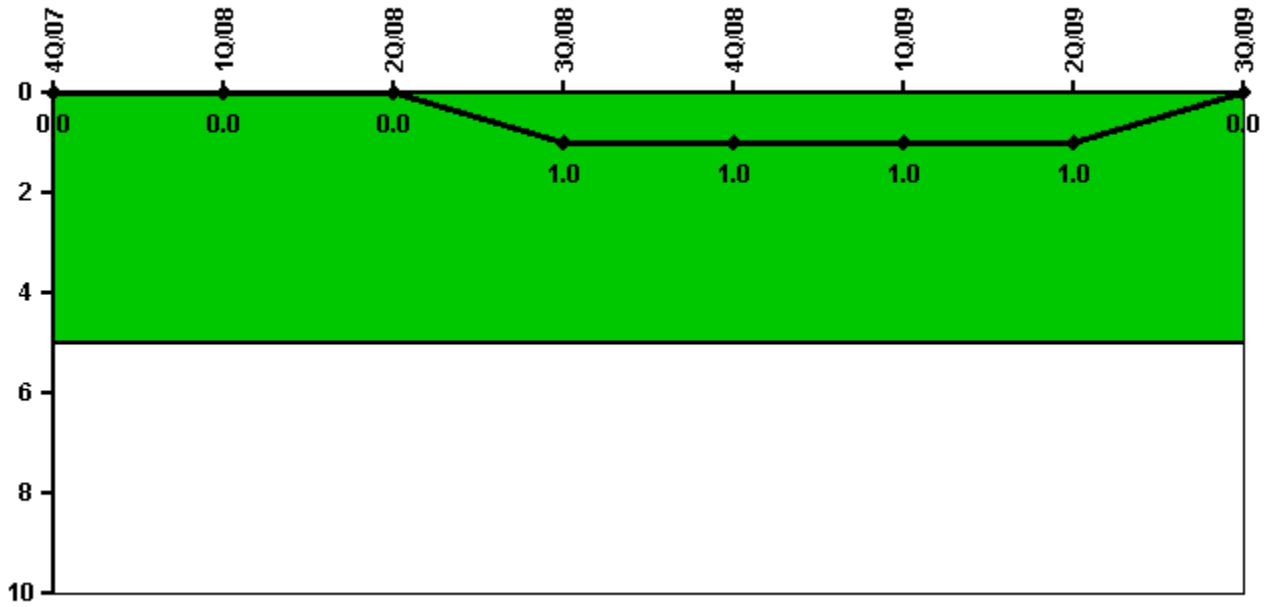
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
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)



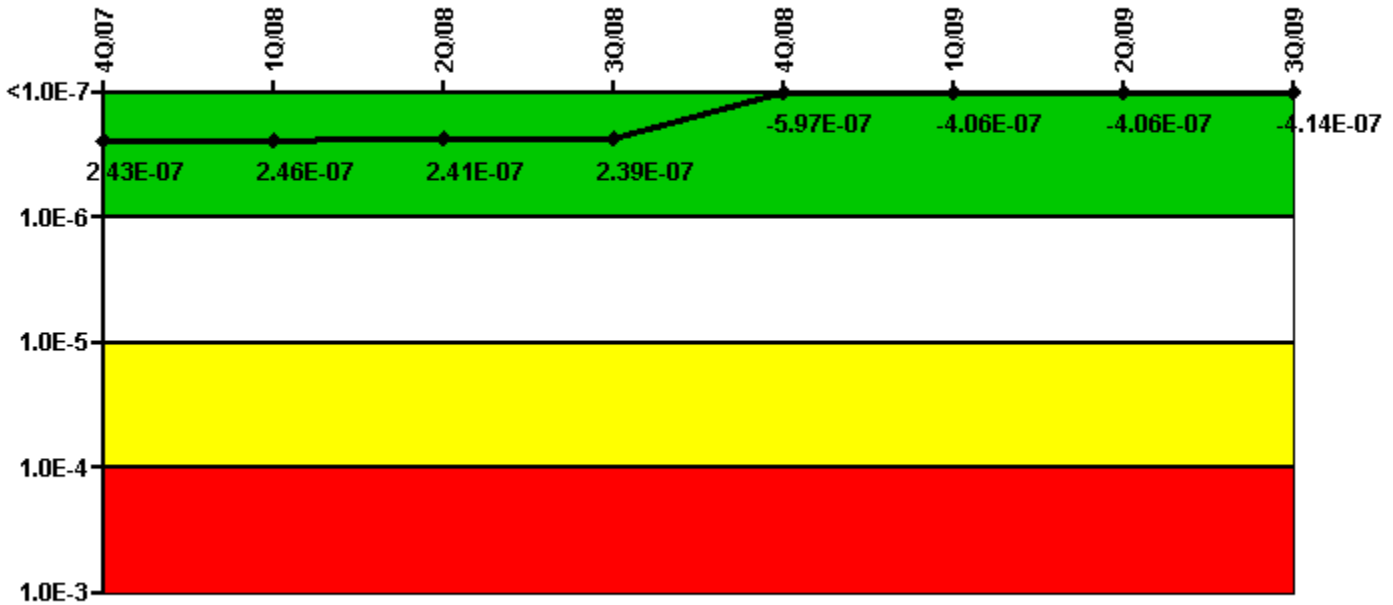
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	0	0	0	1	1	1	1	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



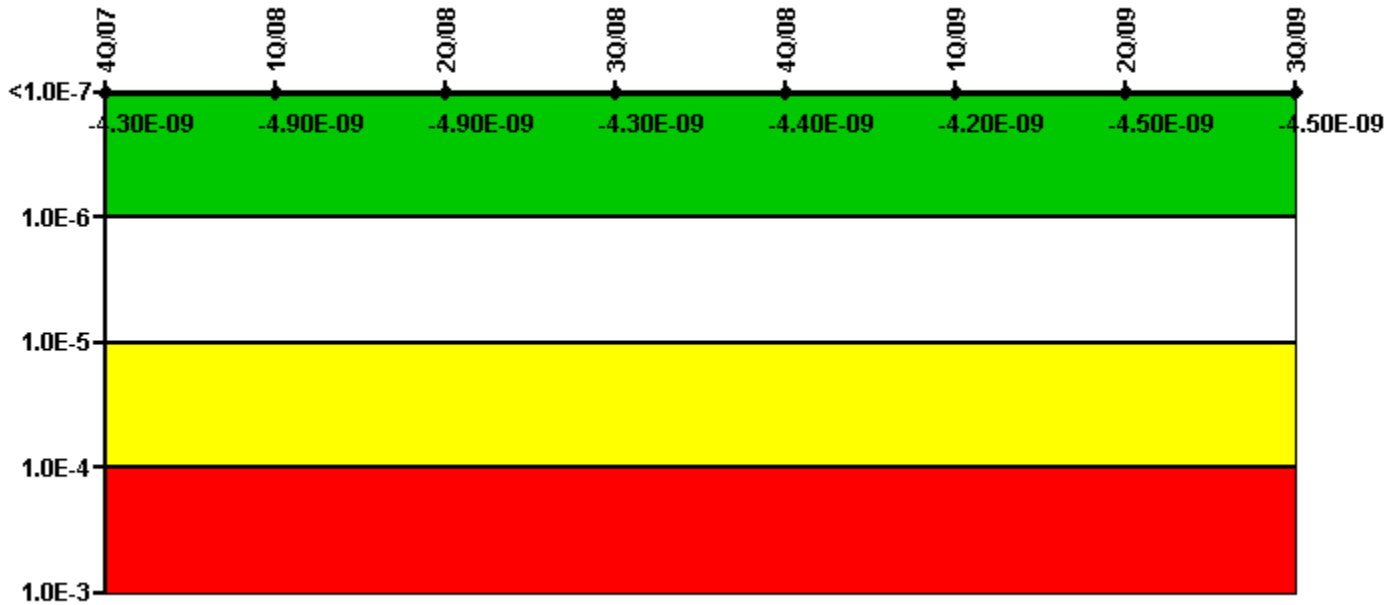
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	3.00E-09	6.00E-09	1.30E-09	-1.10E-09	1.30E-08	1.40E-08	1.40E-08	6.00E-09
URI (Δ CDF)	2.40E-07	2.40E-07	2.40E-07	2.40E-07	-6.10E-07	-4.20E-07	-4.20E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.43E-07	2.46E-07	2.41E-07	2.39E-07	-5.97E-07	-4.06E-07	-4.06E-07	-4.14E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



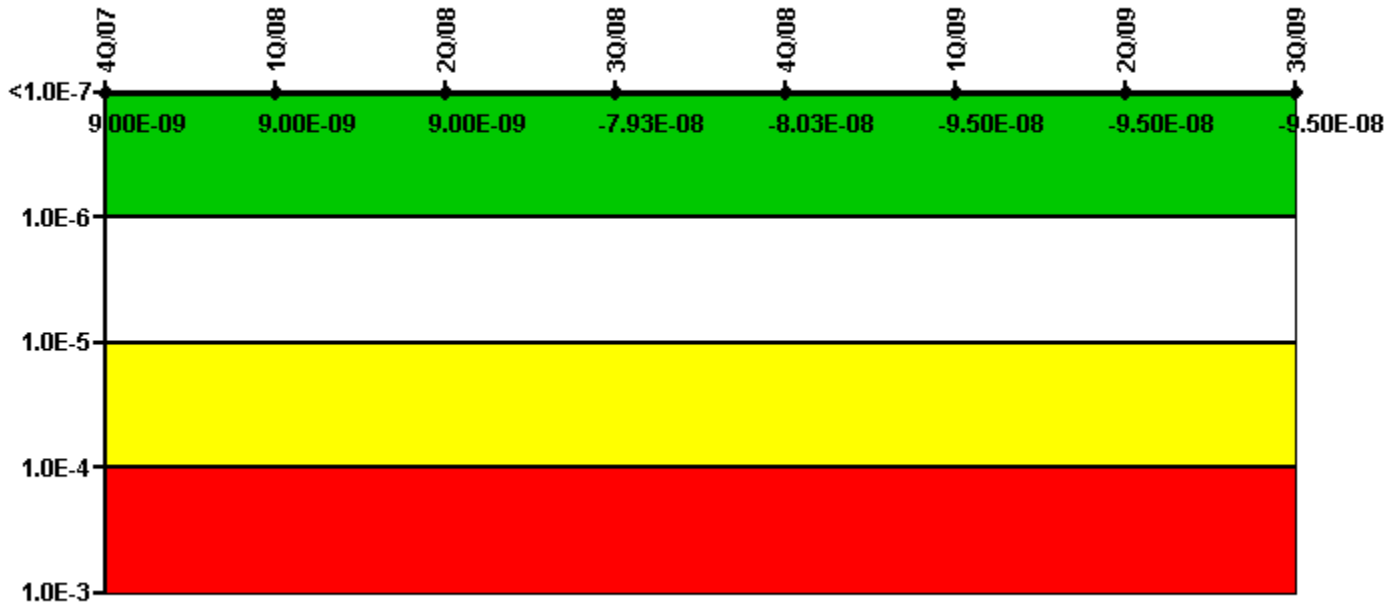
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-2.80E-09	-3.40E-09	-3.40E-09	-2.80E-09	-2.90E-09	-2.70E-09	-3.00E-09	-3.00E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-09	-4.90E-09	-4.90E-09	-4.30E-09	-4.40E-09	-4.20E-09	-4.50E-09	-4.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



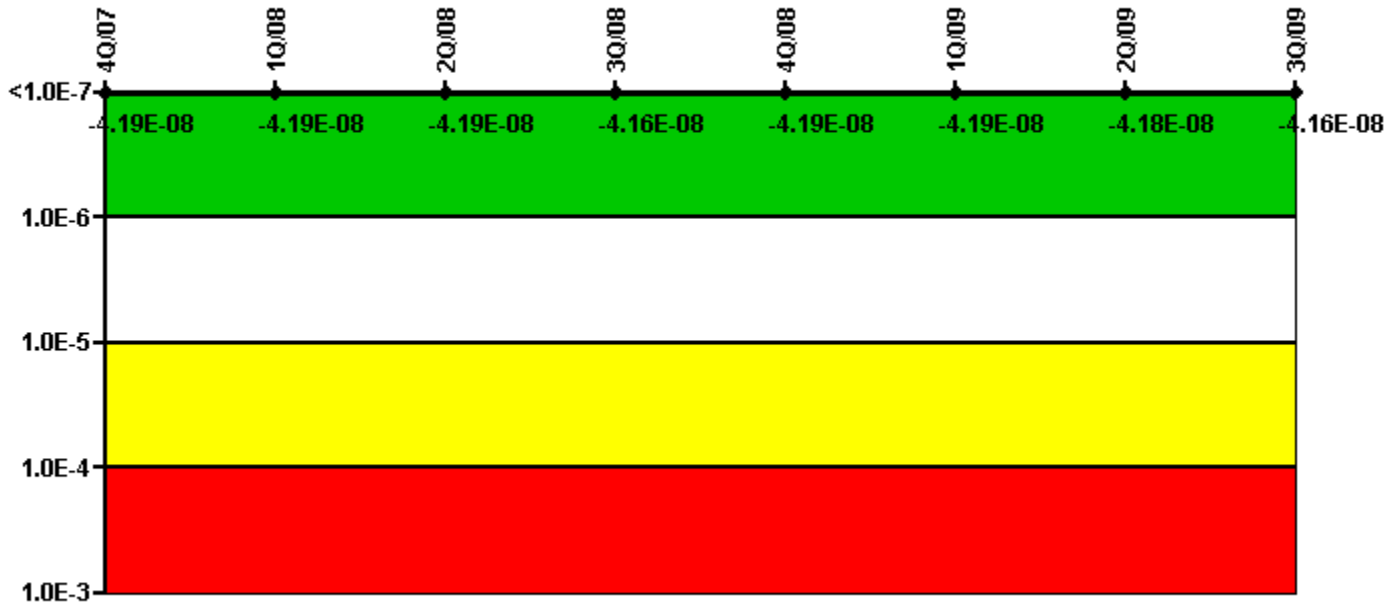
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	3.10E-08	3.10E-08	3.10E-08	4.70E-09	3.70E-09	-1.10E-08	-1.10E-08	-1.10E-08
URI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.00E-09	9.00E-09	9.00E-09	-7.93E-08	-8.03E-08	-9.50E-08	-9.50E-08	-9.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



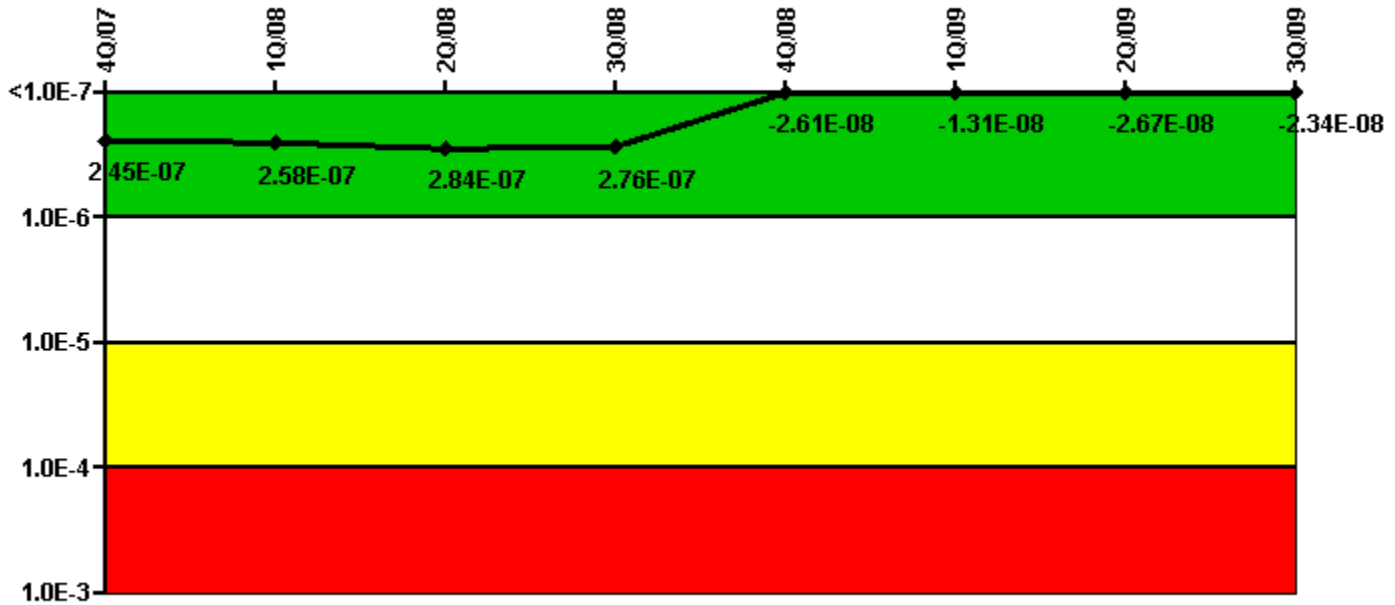
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-5.90E-09	-5.90E-09	-5.90E-09	-5.60E-09	-5.90E-09	-5.90E-09	-5.80E-09	-5.60E-09
URI (Δ CDF)	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.19E-08	-4.19E-08	-4.19E-08	-4.16E-08	-4.19E-08	-4.19E-08	-4.18E-08	-4.16E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



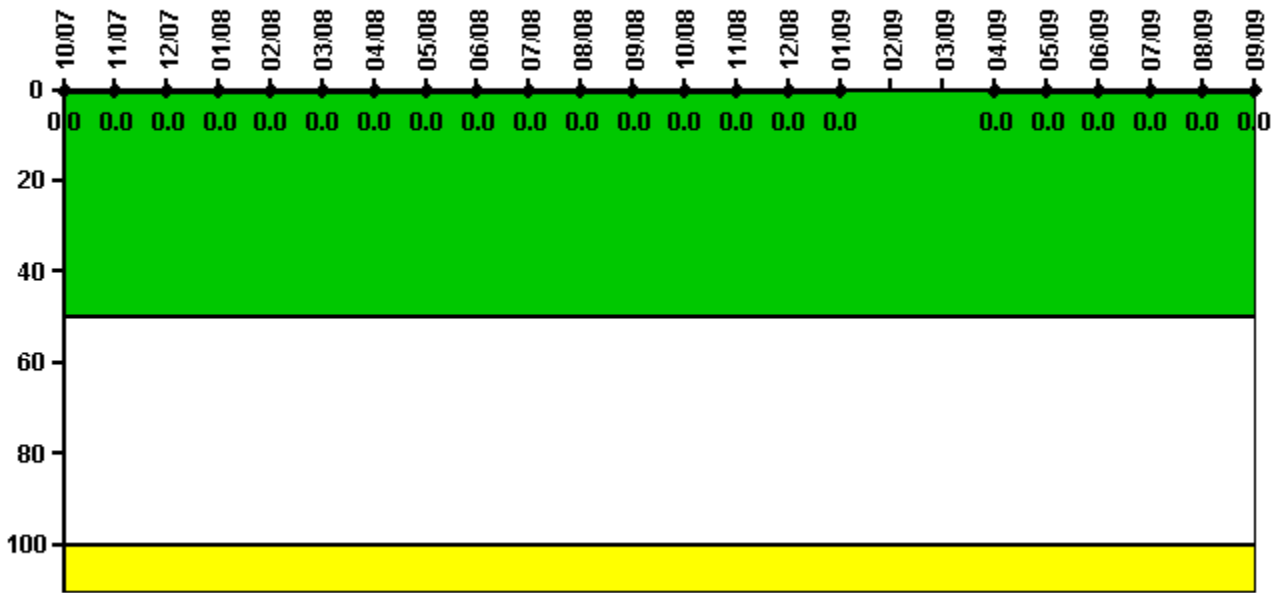
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-3.50E-08	-2.20E-08	3.50E-09	-4.00E-09	-1.80E-08	4.90E-09	-8.70E-09	3.60E-09
URI (ΔCDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-8.10E-09	-1.80E-08	-1.80E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.45E-07	2.58E-07	2.84E-07	2.76E-07	-2.61E-08	-1.31E-08	-2.67E-08	-2.34E-08

Licensee Comments: none

Reactor Coolant System Activity



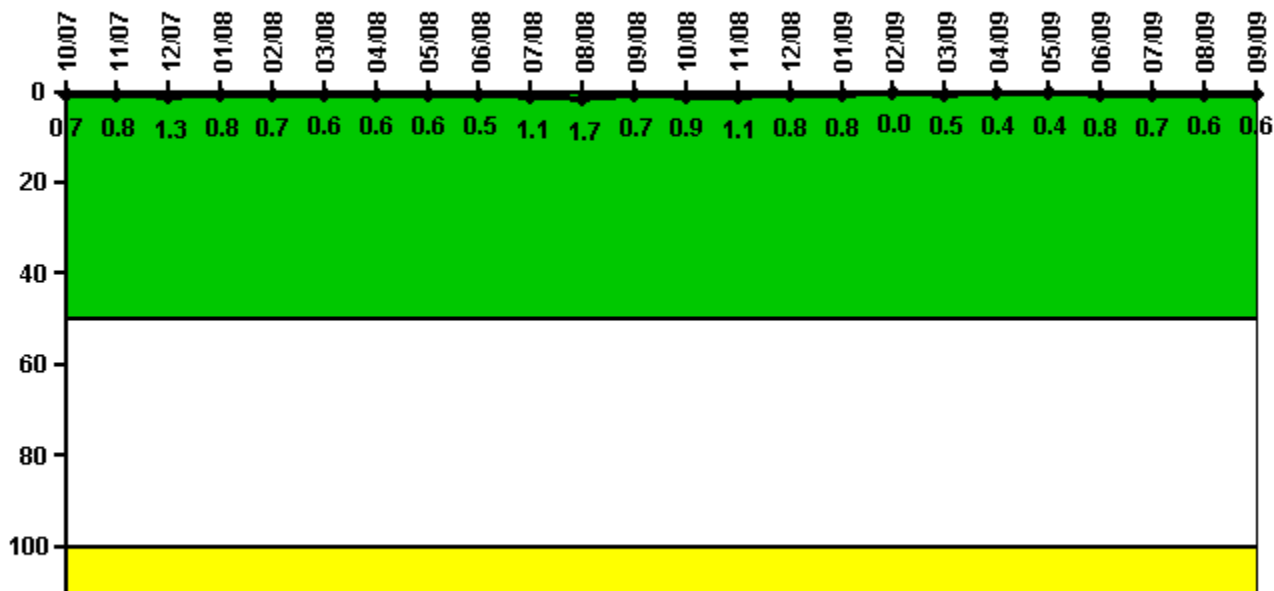
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000092	0.000100	0.000101	0.000108	0.000108	0.000111	0.000122	0.000119	0.000127	0.000119	0.000124	0.000136
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
Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000227	0.000301	0.000142	0.000118	N/A	N/A	0.000069	0.000082	0.000088	0.000085	0.000089	0.000105
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	N/A	N/A	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

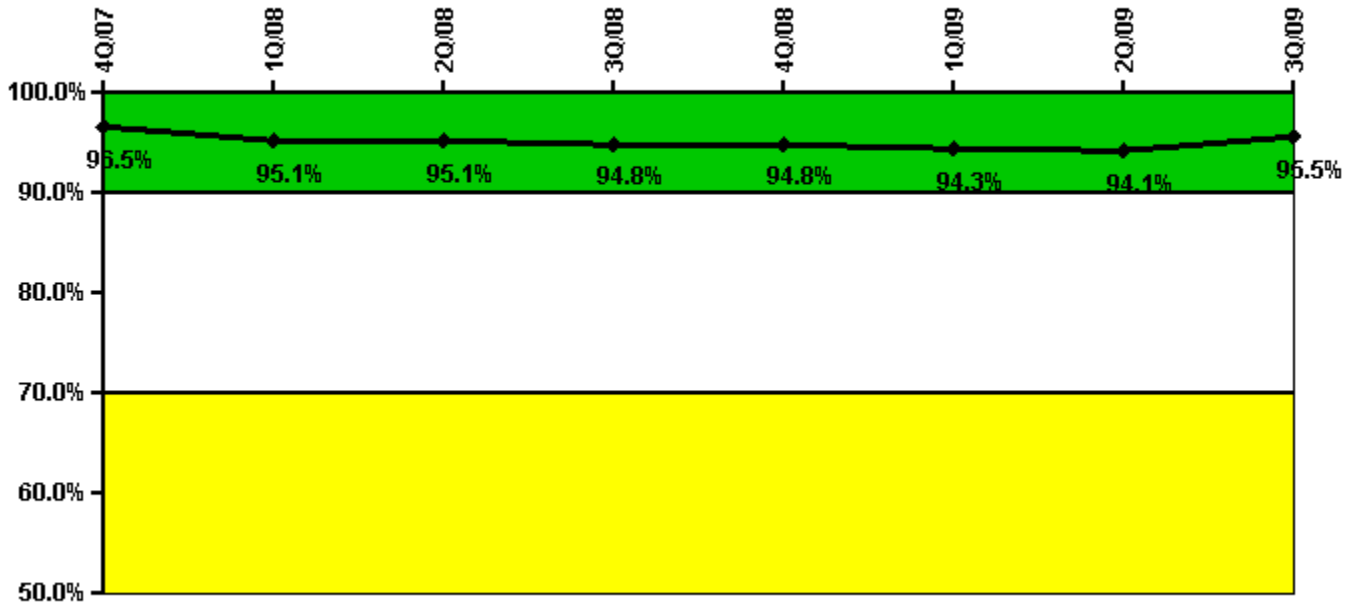
Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.071	0.079	0.126	0.075	0.074	0.062	0.063	0.060	0.051	0.111	0.166	0.070
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	0.7	0.8	1.3	0.8	0.7	0.6	0.6	0.6	0.5	1.1	1.7	0.7

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0.085	0.107	0.075	0.083	0	0.053	0.039	0.036	0.076	0.068	0.056	0.062
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	0.9	1.1	0.8	0.8	0	0.5	0.4	0.4	0.8	0.7	0.6	0.6

Licensee Comments: none

Drill/Exercise Performance



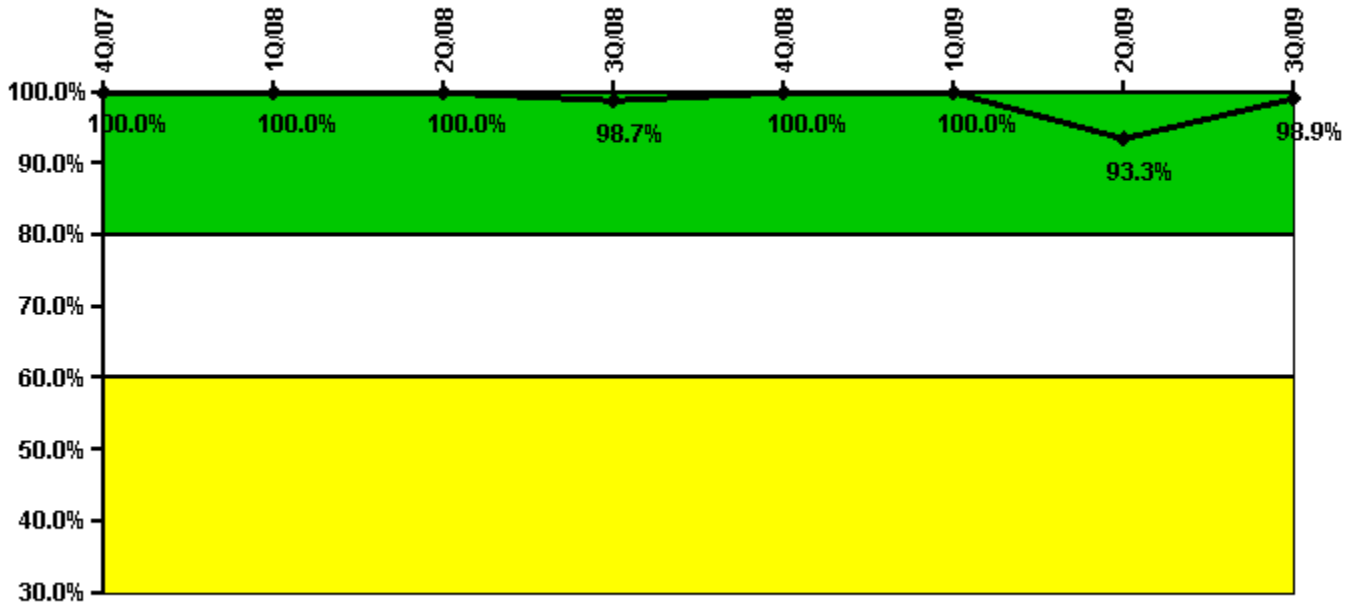
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	90.0	17.0	53.0	52.0	47.0	13.0	53.0	61.0
Total opportunities	90.0	18.0	56.0	57.0	52.0	14.0	55.0	62.0
Indicator value	96.5%	95.1%	95.1%	94.8%	94.8%	94.3%	94.1%	95.5%

Licensee Comments: none

ERO Drill Participation



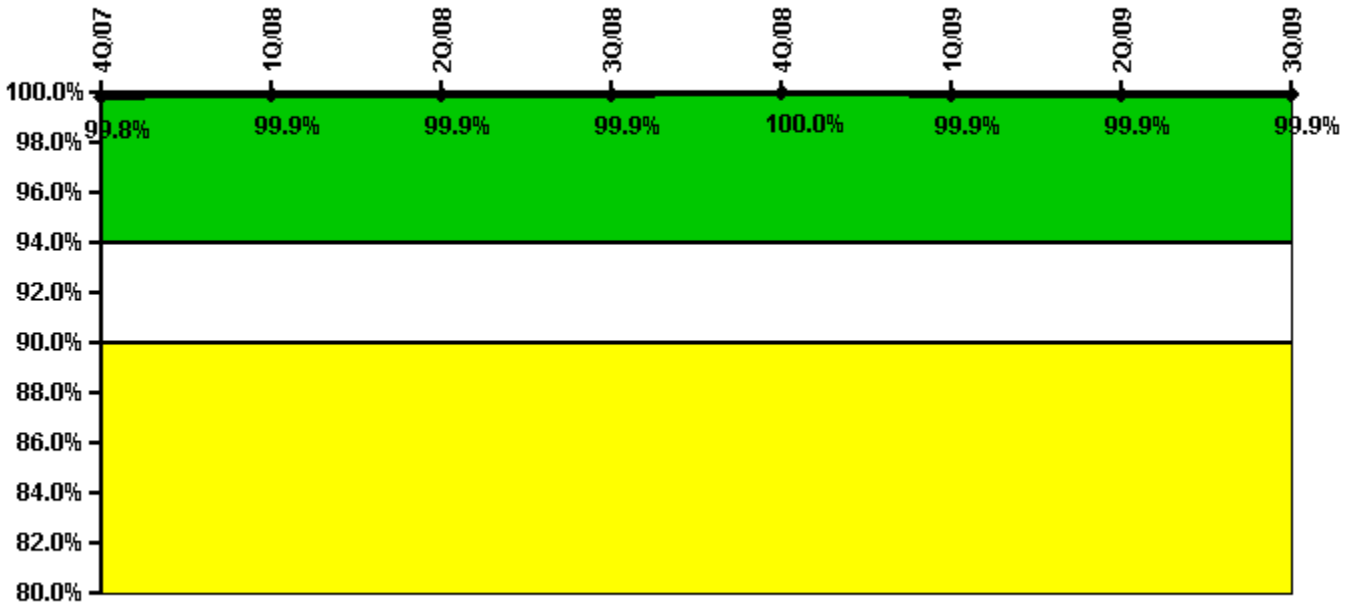
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	78.0	71.0	75.0	75.0	79.0	70.0	83.0	92.0
Total Key personnel	78.0	71.0	75.0	76.0	79.0	70.0	89.0	93.0
Indicator value	100.0%	100.0%	100.0%	98.7%	100.0%	100.0%	93.3%	98.9%

Licensee Comments: none

Alert & Notification System



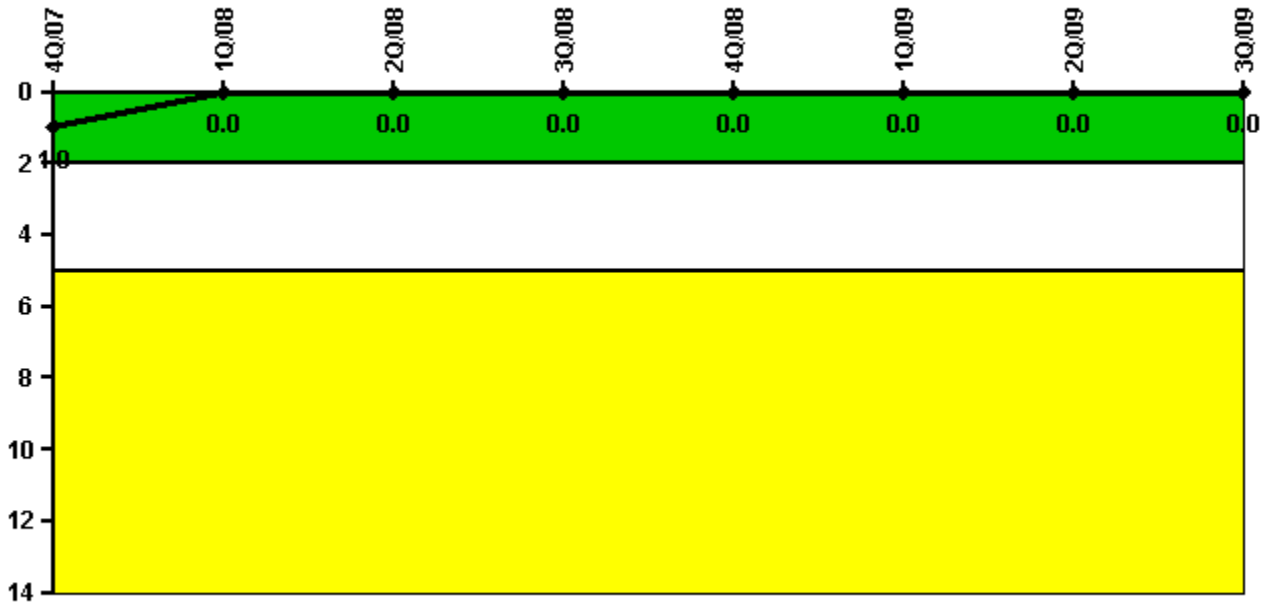
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	915	1048	916	1310	1047	1047	916	1310
Total sirens-tests	917	1048	917	1310	1048	1048	917	1310
Indicator value	99.8%	99.9%	99.9%	99.9%	100.0%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



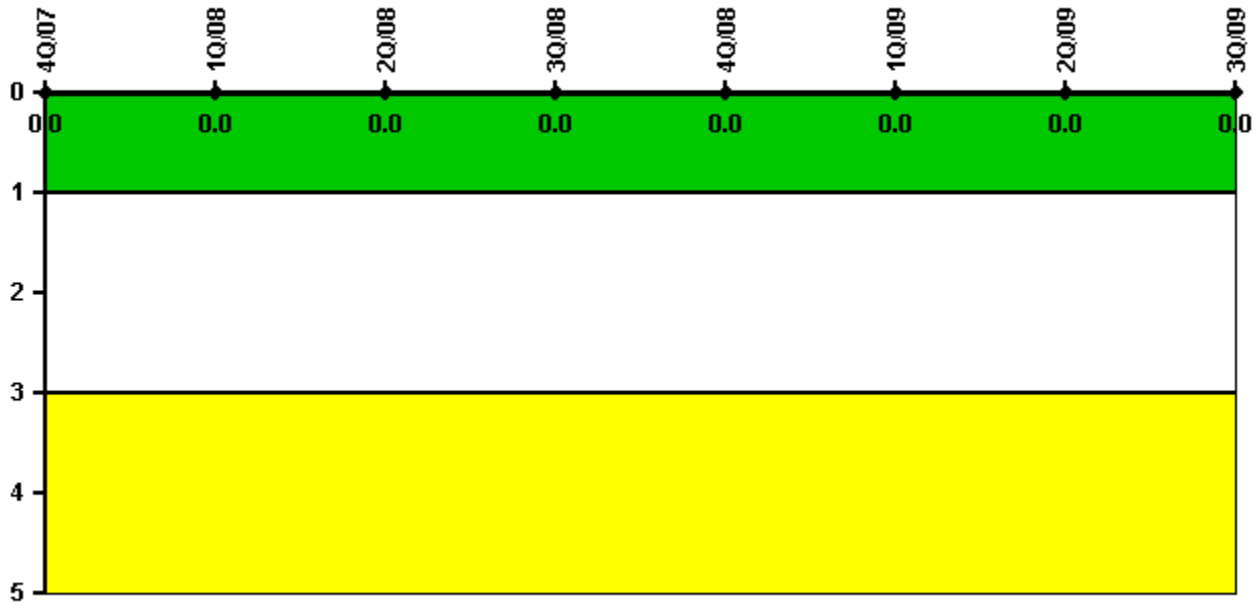
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
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	1	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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

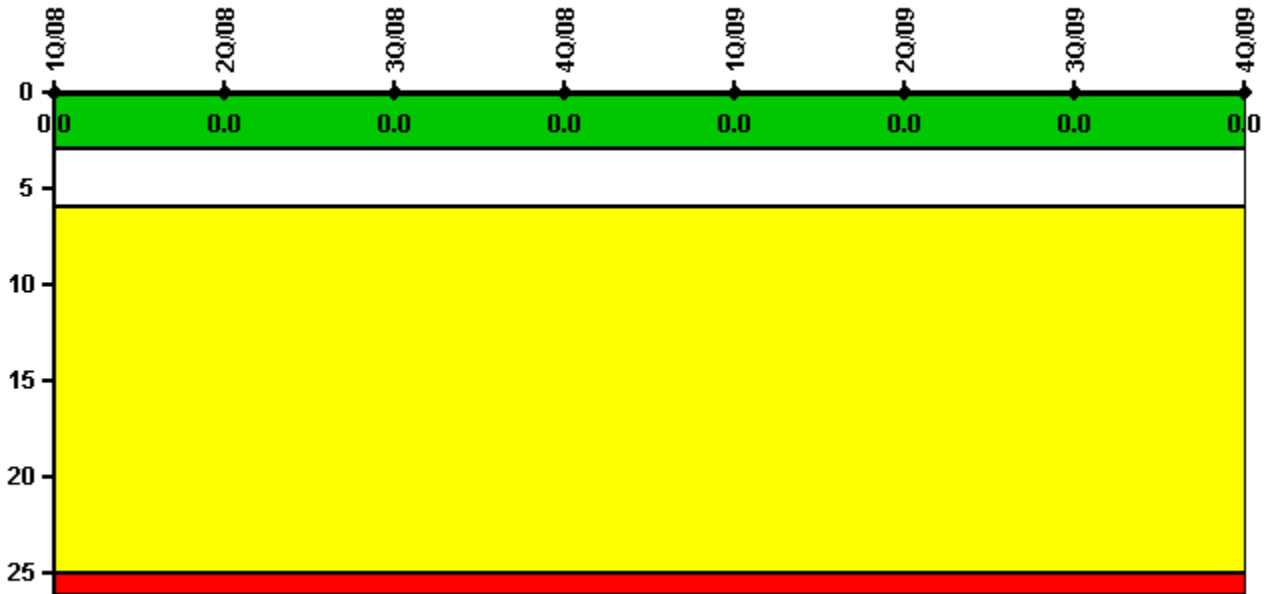
[Security](#) information not publicly available.

Diablo Canyon 1

4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



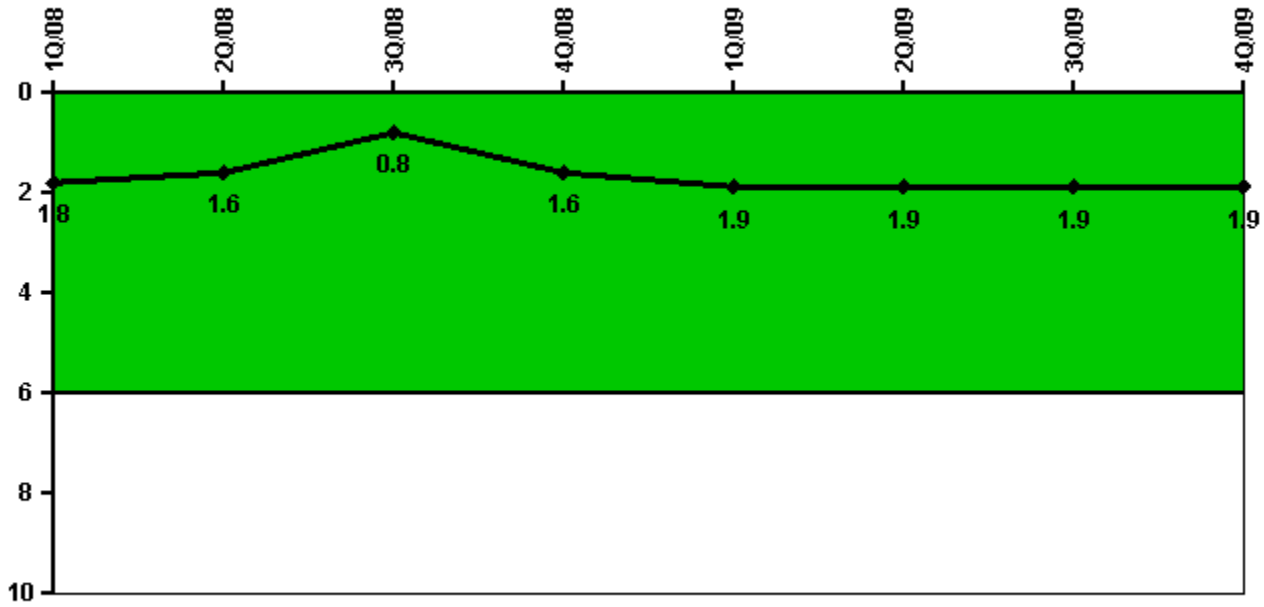
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	787.1	2184.0	2160.4	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



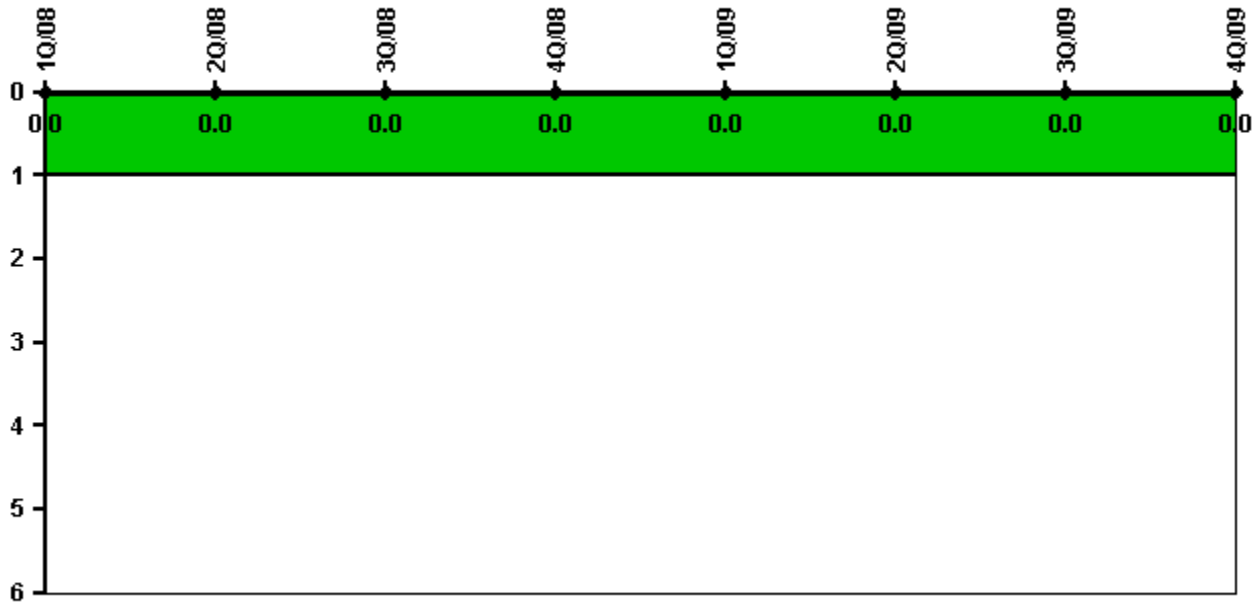
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	1.0	0	0	1.0	1.0	0	0	1.0
Critical hours	2183.0	2184.0	2208.0	2209.0	787.1	2184.0	2160.4	2209.0
Indicator value	1.8	1.6	0.8	1.6	1.9	1.9	1.9	1.9

Licensee Comments: none

Unplanned Scrams with Complications



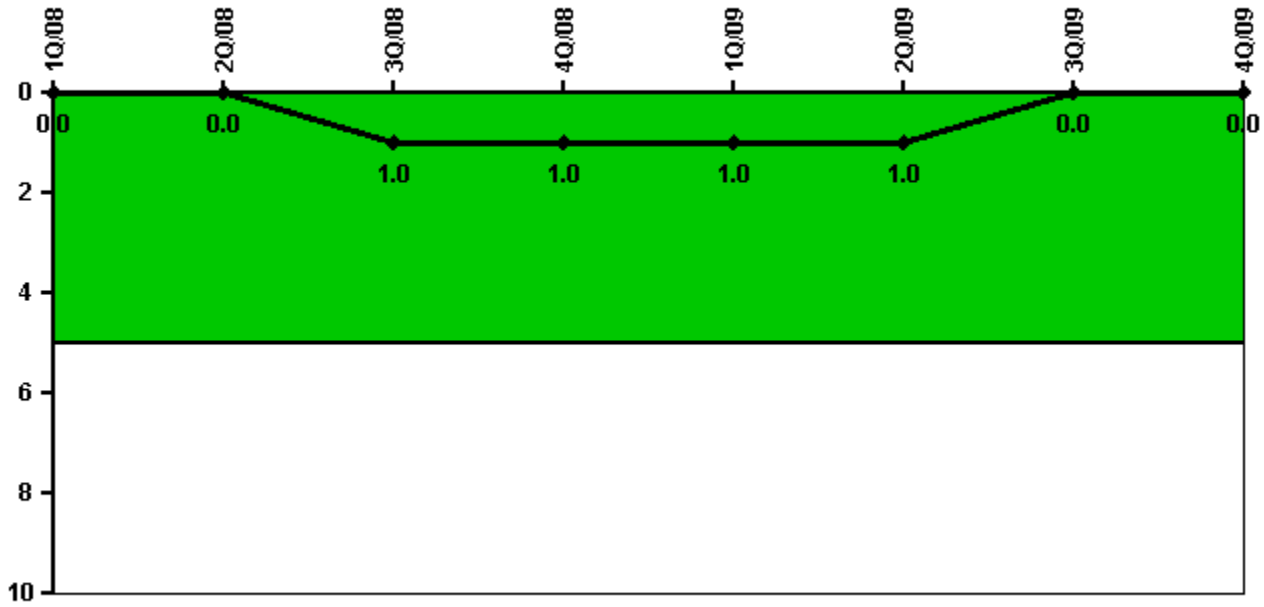
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
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)



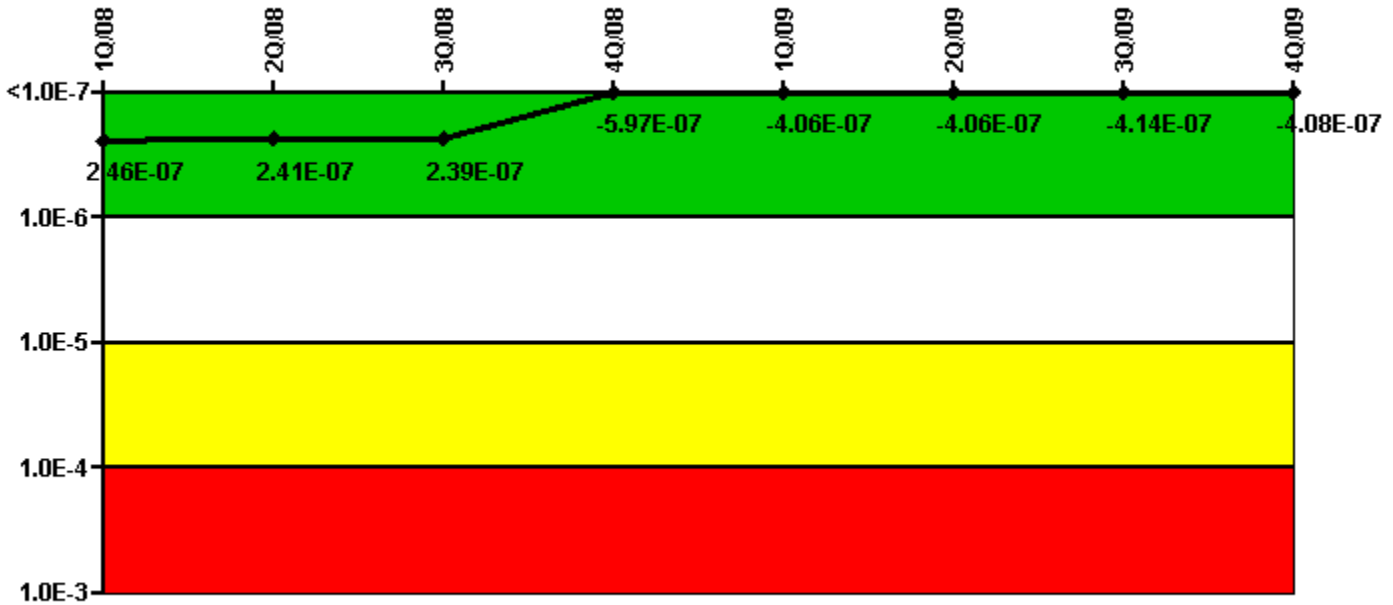
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
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



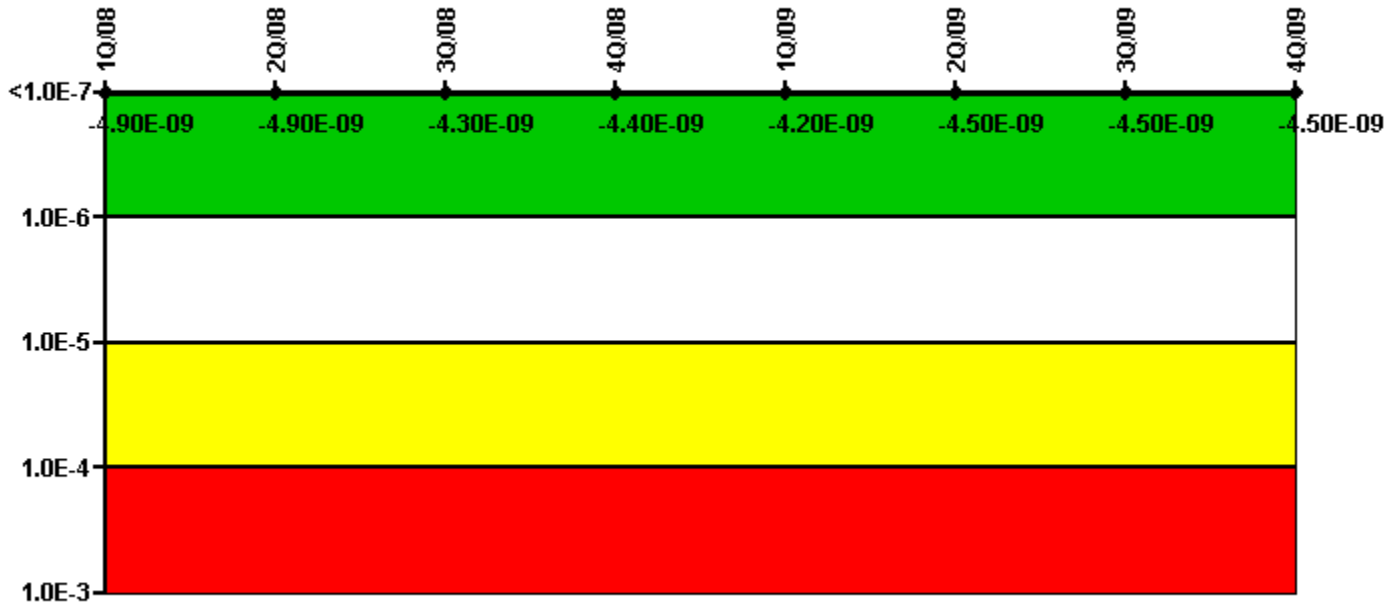
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	6.00E-09	1.30E-09	-1.10E-09	1.30E-08	1.40E-08	1.40E-08	6.00E-09	1.20E-08
URI (Δ CDF)	2.40E-07	2.40E-07	2.40E-07	-6.10E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.46E-07	2.41E-07	2.39E-07	-5.97E-07	-4.06E-07	-4.06E-07	-4.14E-07	-4.08E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



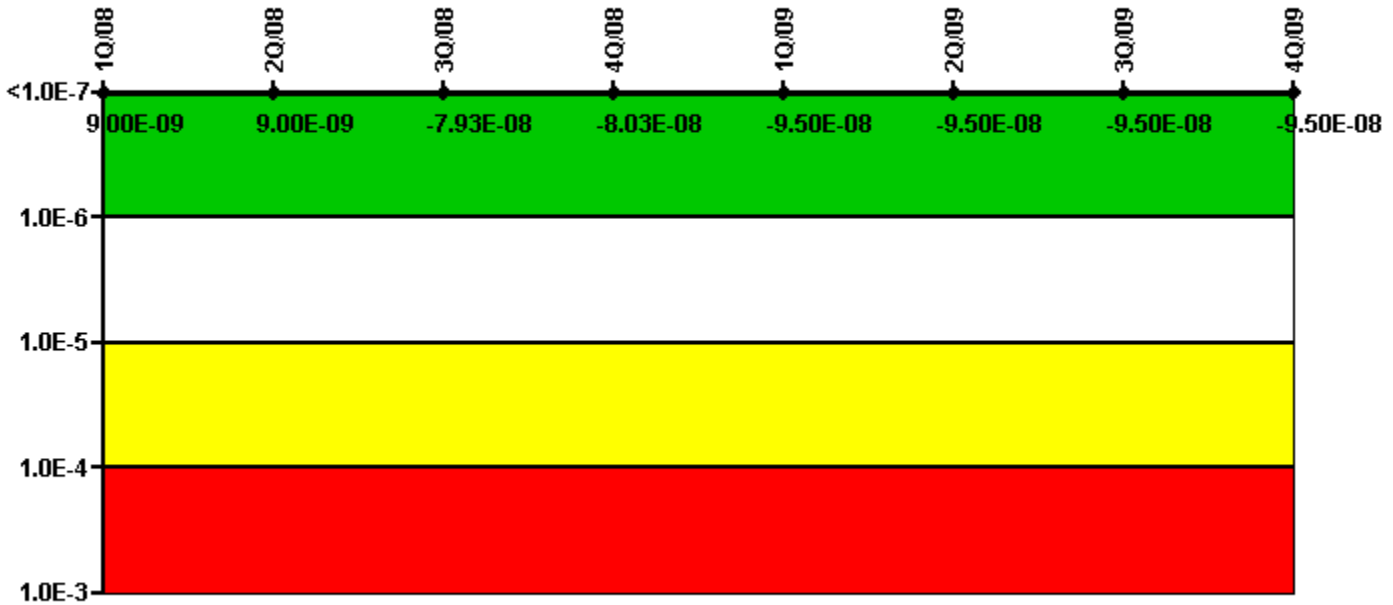
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-3.40E-09	-3.40E-09	-2.80E-09	-2.90E-09	-2.70E-09	-3.00E-09	-3.00E-09	-3.00E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.90E-09	-4.90E-09	-4.30E-09	-4.40E-09	-4.20E-09	-4.50E-09	-4.50E-09	-4.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



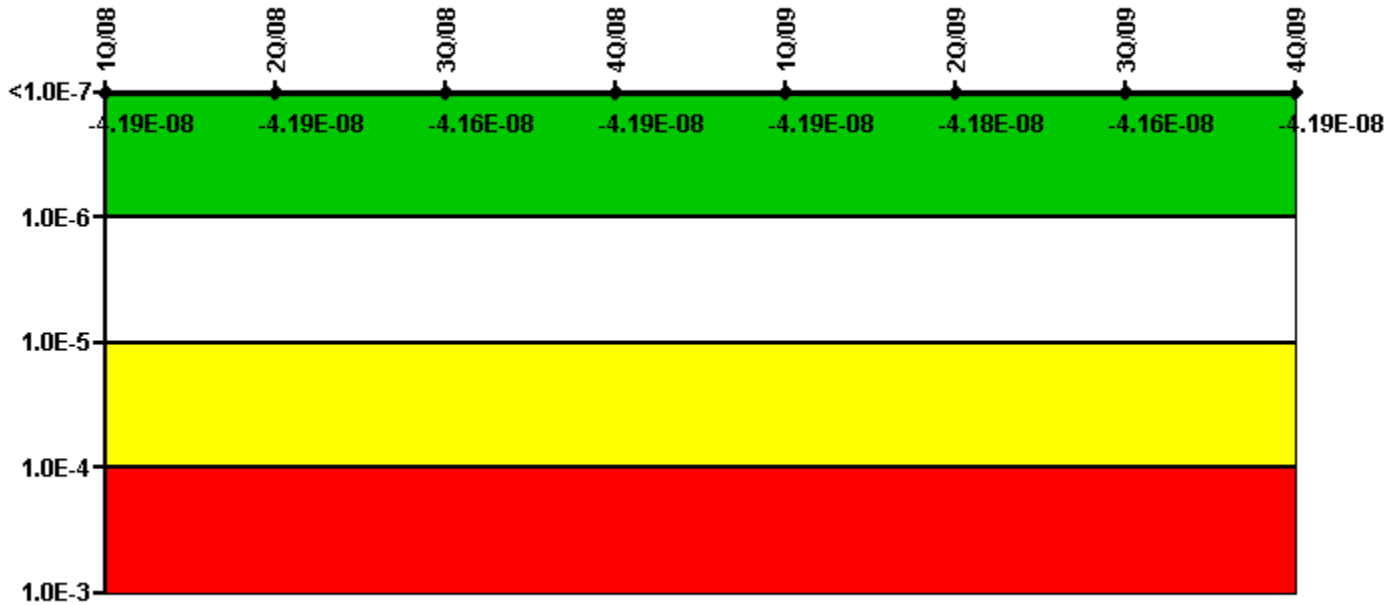
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	3.10E-08	3.10E-08	4.70E-09	3.70E-09	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
URI (Δ CDF)	-2.20E-08	-2.20E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.00E-09	9.00E-09	-7.93E-08	-8.03E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



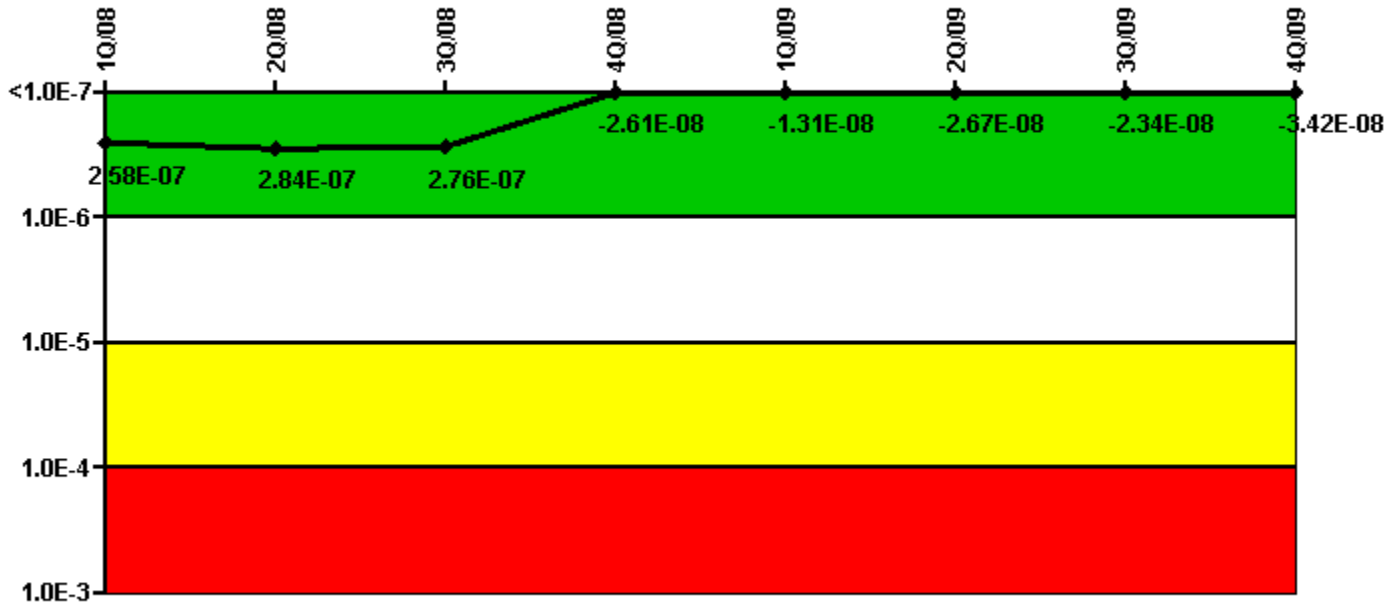
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



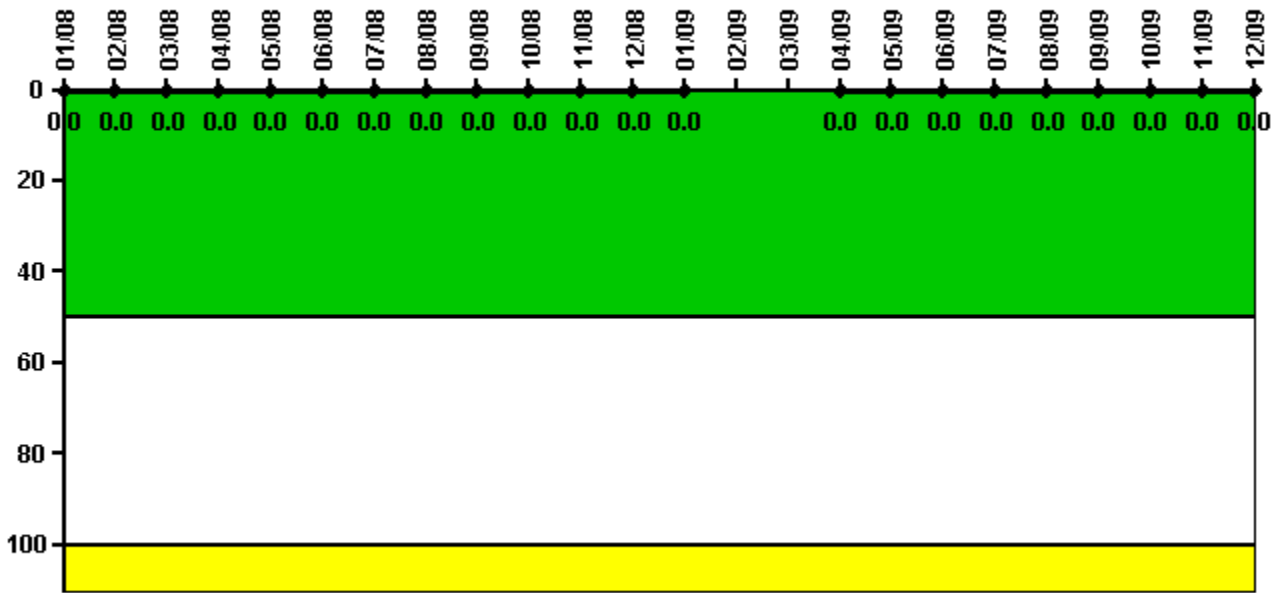
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-2.20E-08	3.50E-09	-4.00E-09	-1.80E-08	4.90E-09	-8.70E-09	3.60E-09	-7.20E-09
URI (ΔCDF)	2.80E-07	2.80E-07	2.80E-07	-8.10E-09	-1.80E-08	-1.80E-08	-2.70E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.58E-07	2.84E-07	2.76E-07	-2.61E-08	-1.31E-08	-2.67E-08	-2.34E-08	-3.42E-08

Licensee Comments: none

Reactor Coolant System Activity



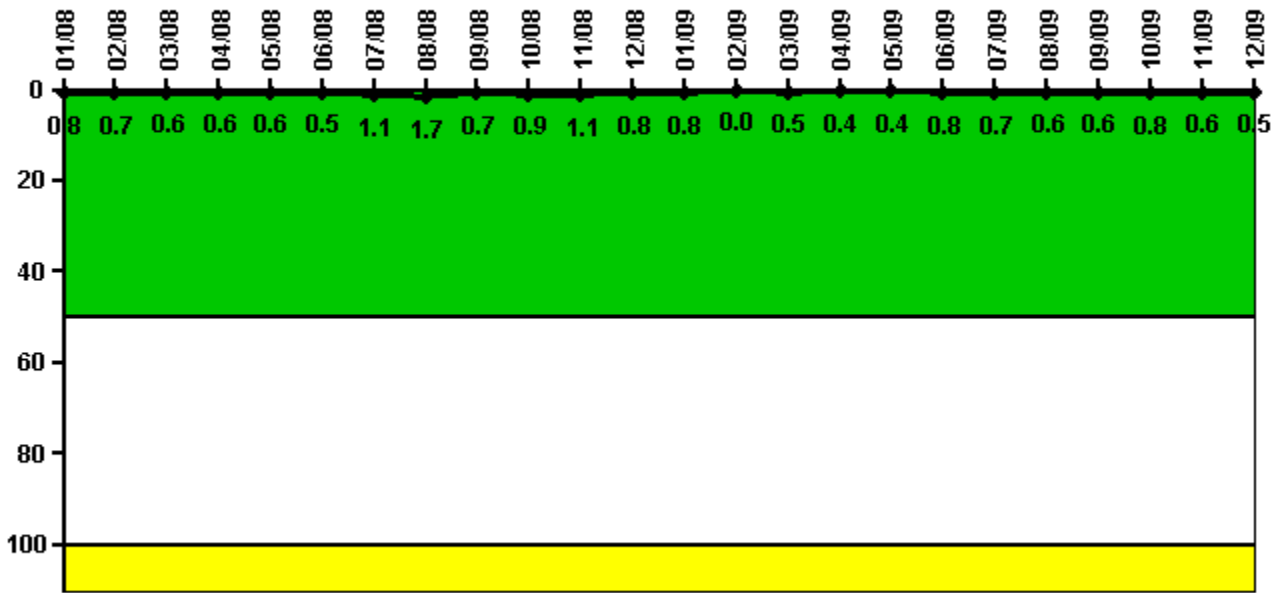
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000108	0.000108	0.000111	0.000122	0.000119	0.000127	0.000119	0.000124	0.000136	0.000227	0.000301	0.000142
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
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

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

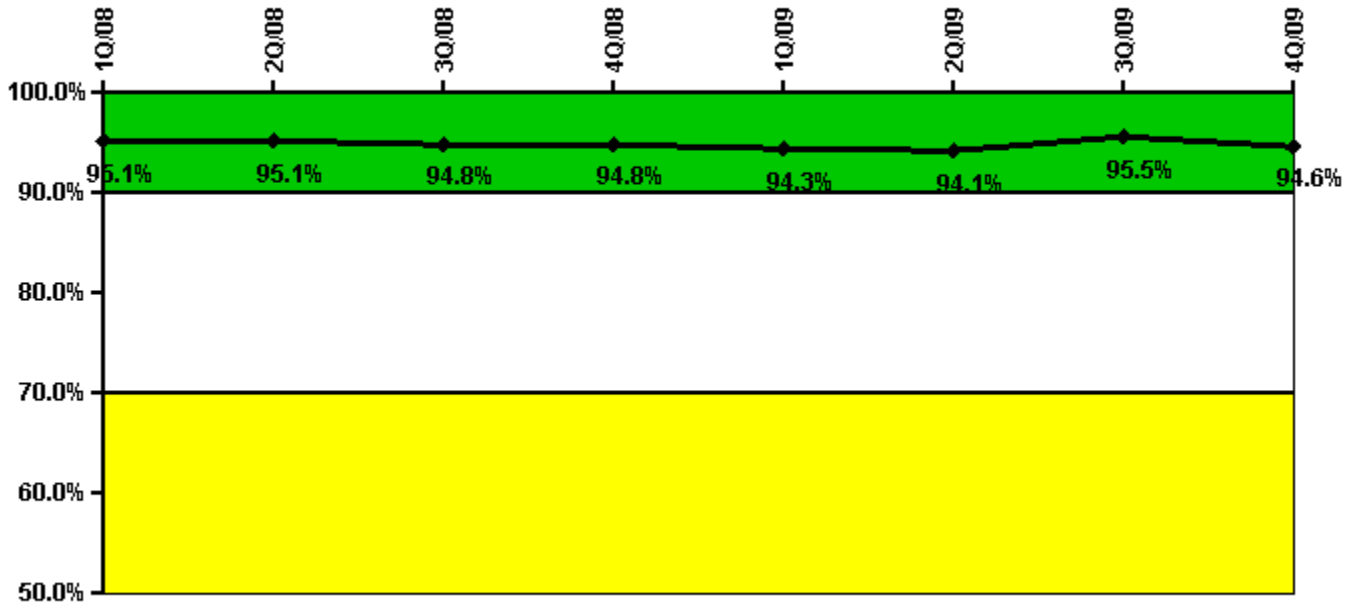
Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.075	0.074	0.062	0.063	0.060	0.051	0.111	0.166	0.070	0.085	0.107	0.075
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	0.7	0.6	0.6	0.6	0.5	1.1	1.7	0.7	0.9	1.1	0.8

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

Licensee Comments: none

Drill/Exercise Performance



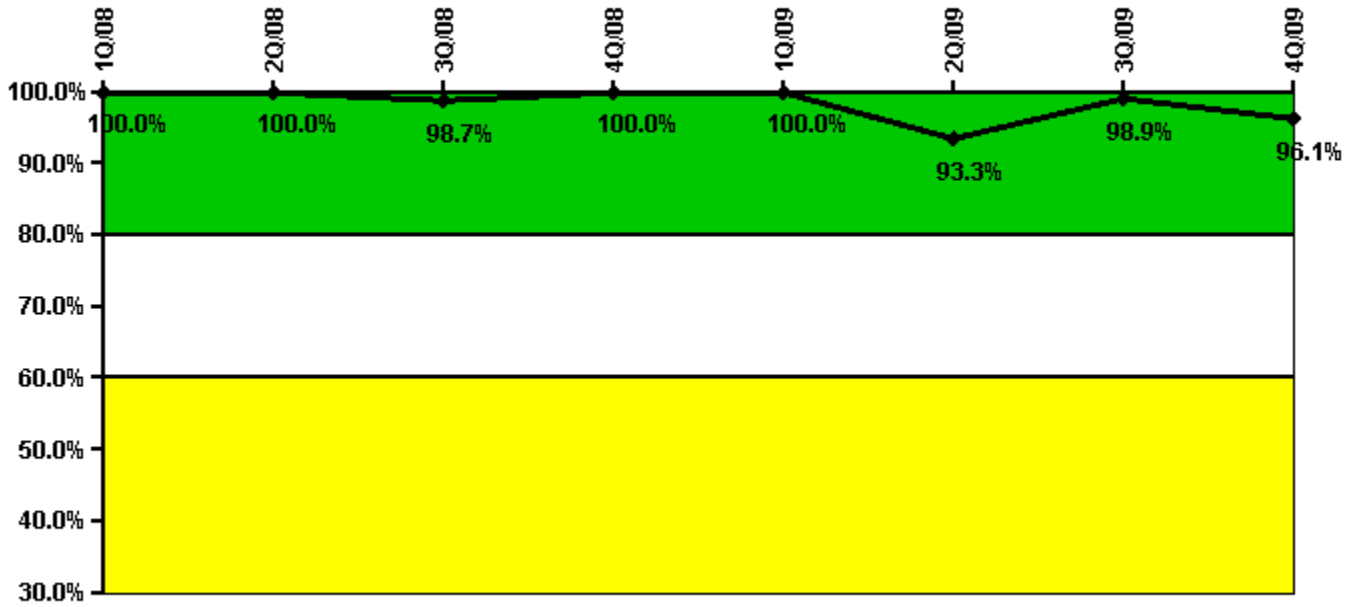
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	17.0	53.0	52.0	47.0	13.0	53.0	61.0	40.0
Total opportunities	18.0	56.0	57.0	52.0	14.0	55.0	62.0	41.0
Indicator value	95.1%	95.1%	94.8%	94.8%	94.3%	94.1%	95.5%	94.6%

Licensee Comments: none

ERO Drill Participation



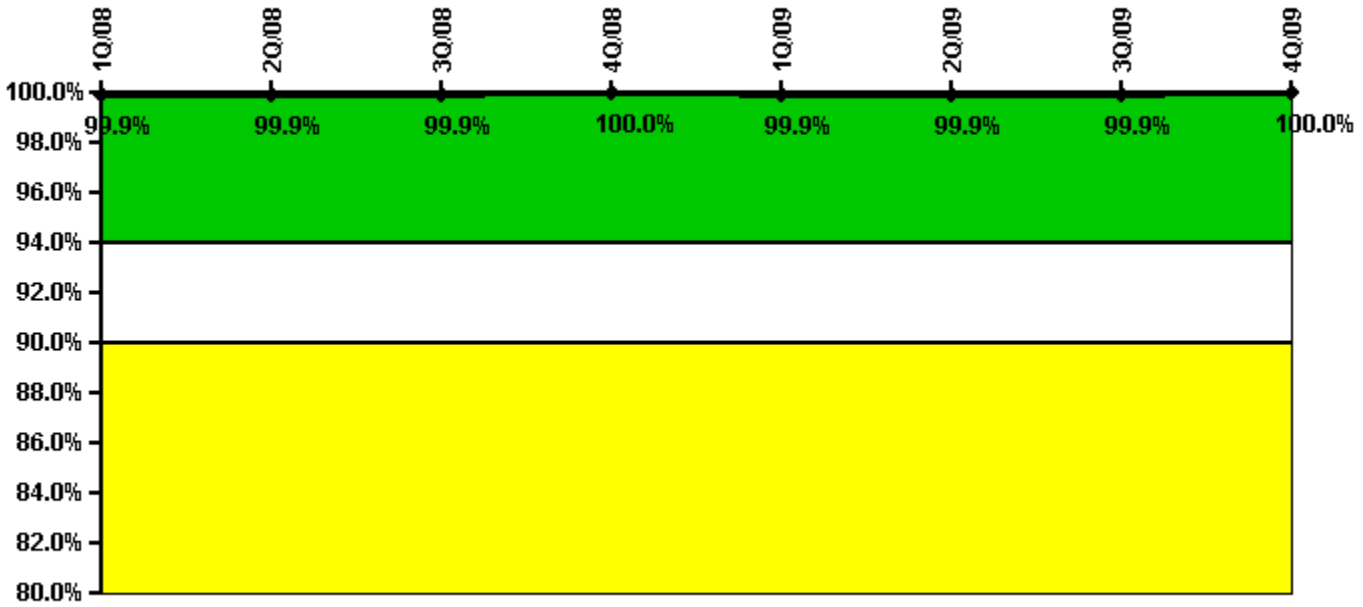
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	71.0	75.0	75.0	79.0	70.0	83.0	92.0	98.0
Total Key personnel	71.0	75.0	76.0	79.0	70.0	89.0	93.0	102.0
Indicator value	100.0%	100.0%	98.7%	100.0%	100.0%	93.3%	98.9%	96.1%

Licensee Comments: none

Alert & Notification System



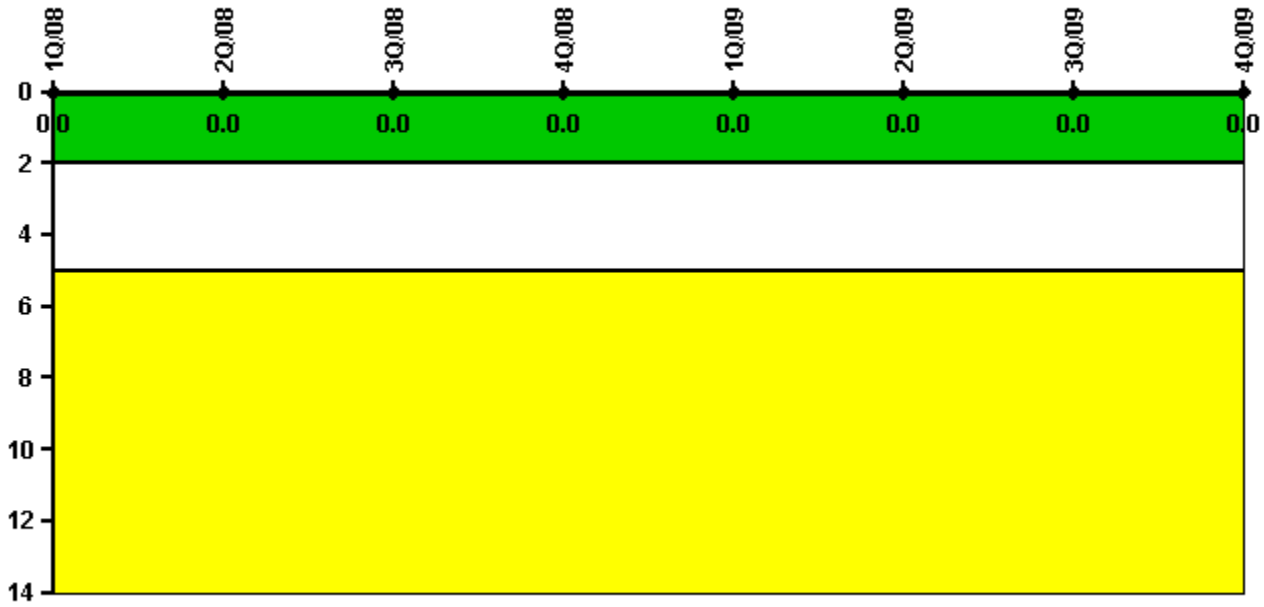
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	1048	916	1310	1047	1047	916	1310	916
Total sirens-tests	1048	917	1310	1048	1048	917	1310	916
Indicator value	99.9%	99.9%	99.9%	100.0%	99.9%	99.9%	99.9%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



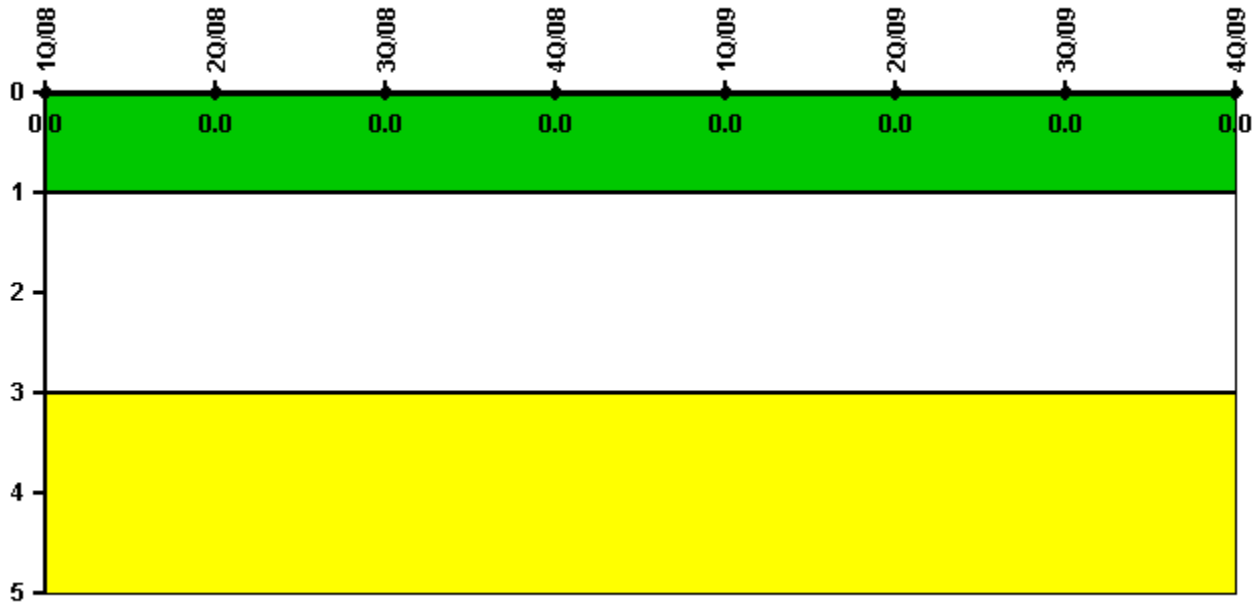
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

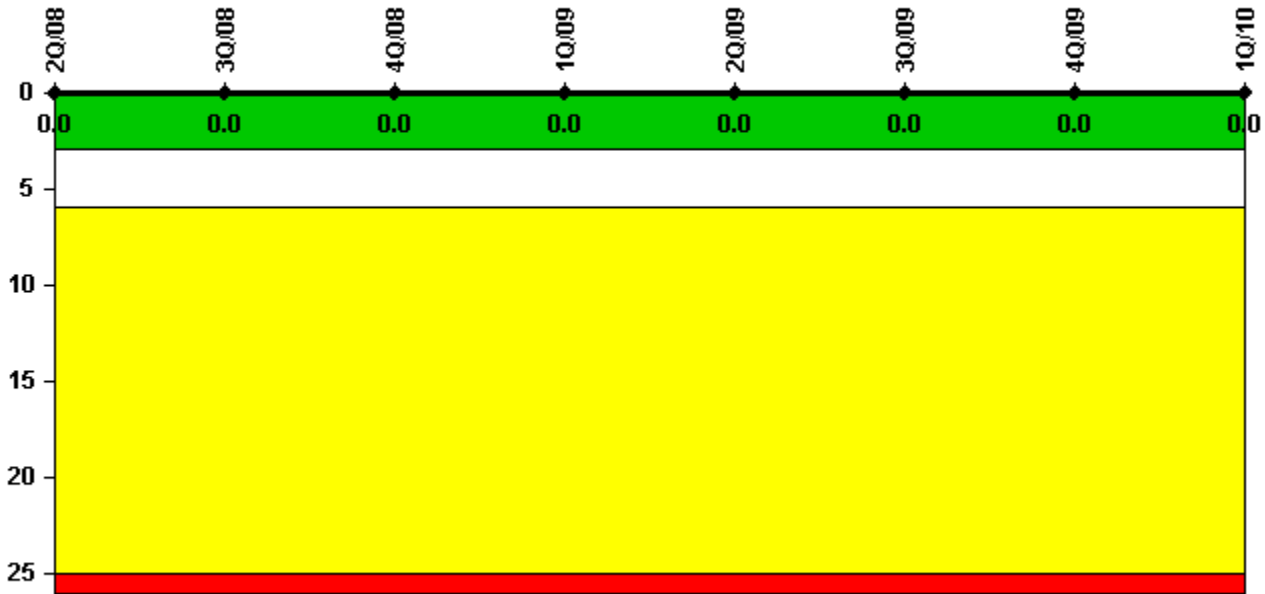
[Security](#) information not publicly available.

Diablo Canyon 1

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



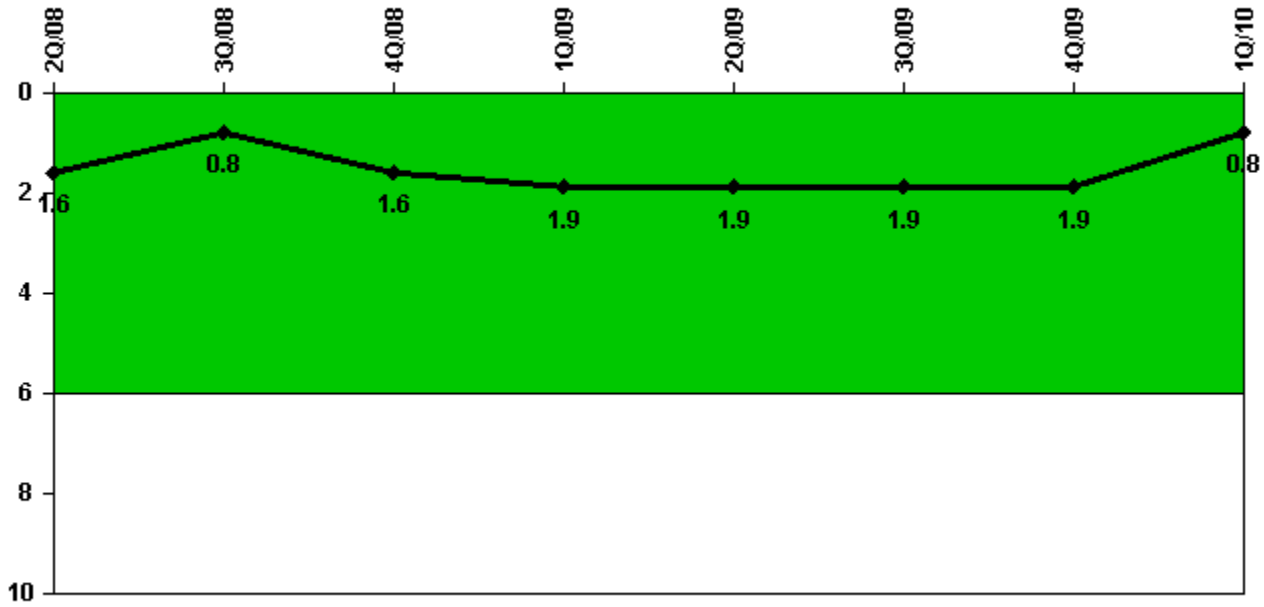
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	787.1	2184.0	2160.4	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



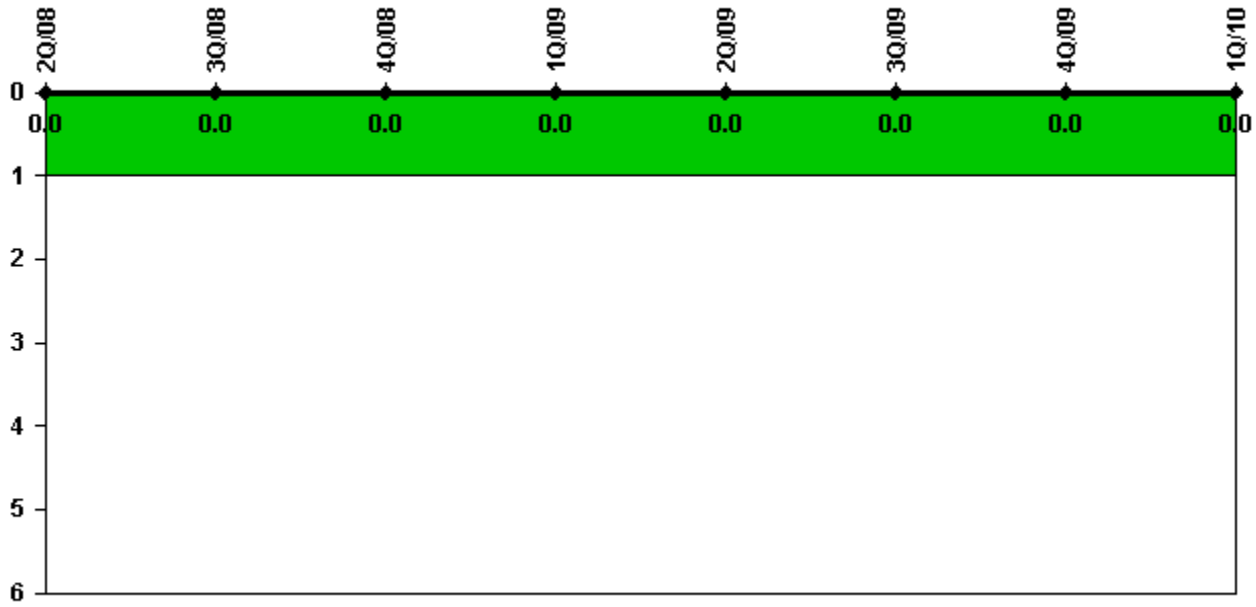
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	1.0	1.0	0	0	1.0	0
Critical hours	2184.0	2208.0	2209.0	787.1	2184.0	2160.4	2209.0	2159.0
Indicator value	1.6	0.8	1.6	1.9	1.9	1.9	1.9	0.8

Licensee Comments: none

Unplanned Scrams with Complications



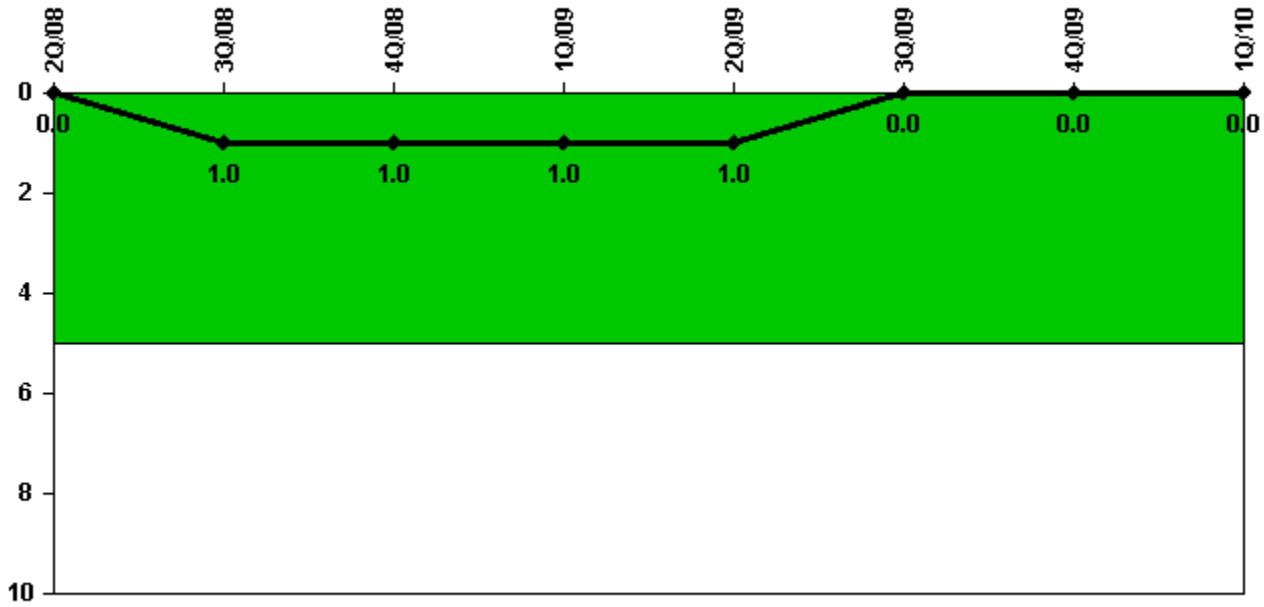
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/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)



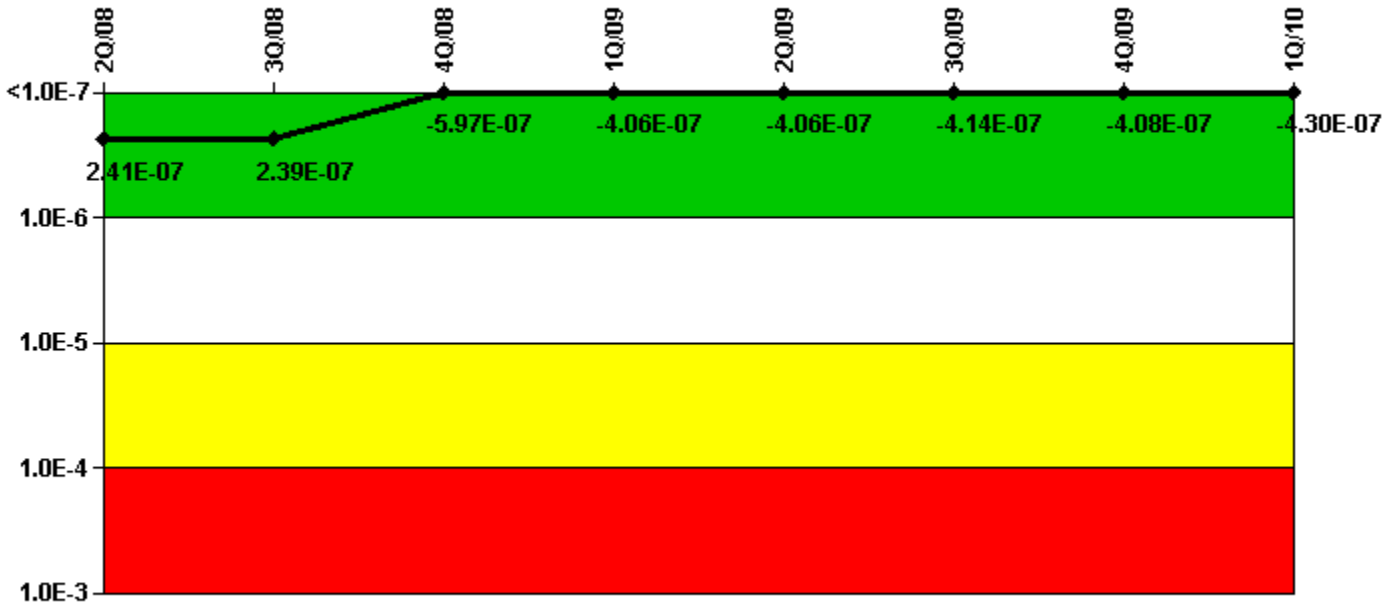
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	0	1	1	1	1	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



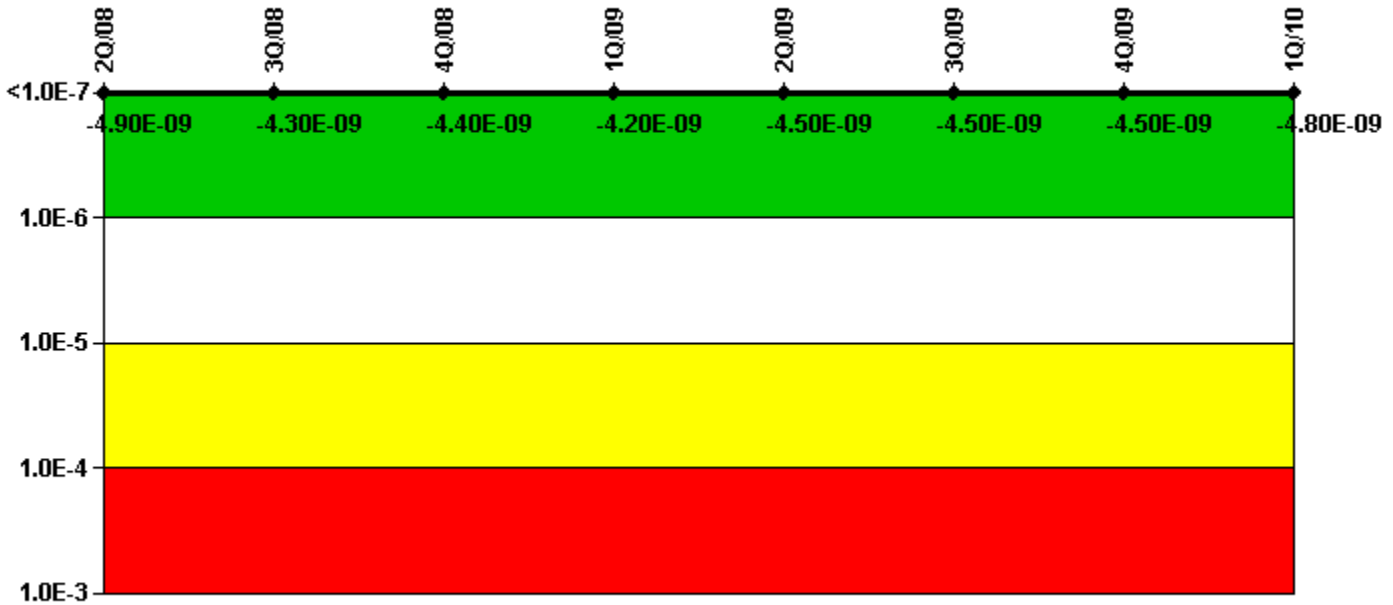
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	1.30E-09	-1.10E-09	1.30E-08	1.40E-08	1.40E-08	6.00E-09	1.20E-08	-2.47E-09
URI (Δ CDF)	2.40E-07	2.40E-07	-6.10E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.41E-07	2.39E-07	-5.97E-07	-4.06E-07	-4.06E-07	-4.14E-07	-4.08E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



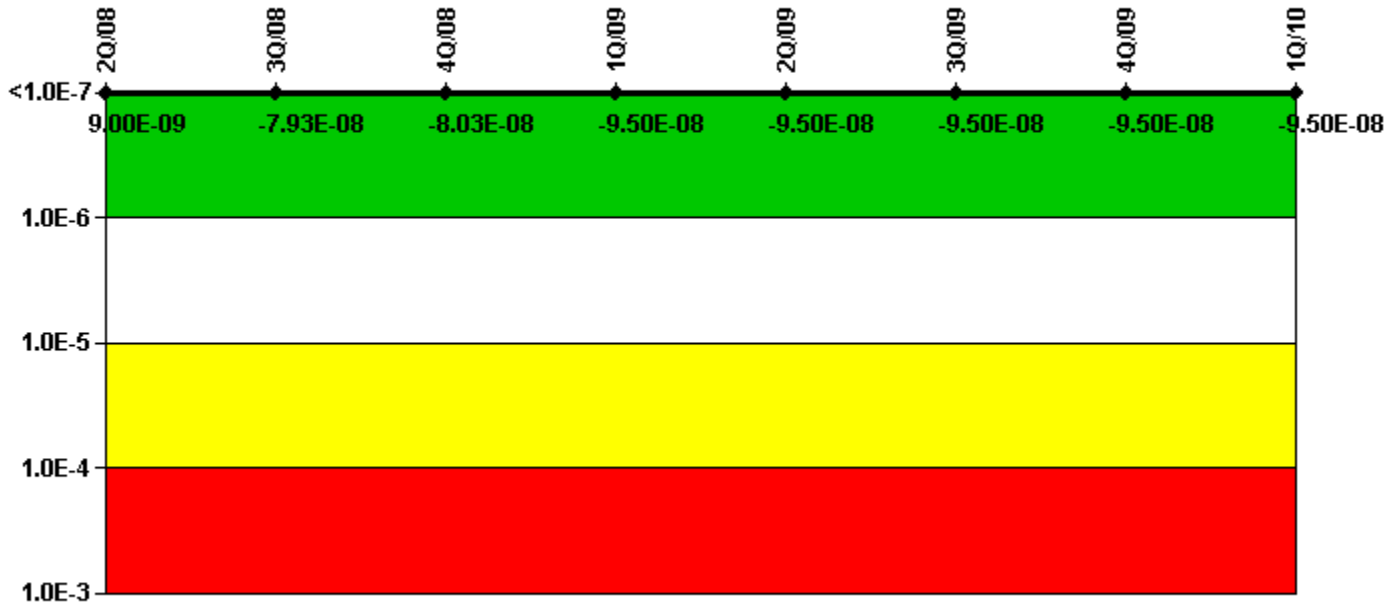
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-3.40E-09	-2.80E-09	-2.90E-09	-2.70E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.36E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.45E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.90E-09	-4.30E-09	-4.40E-09	-4.20E-09	-4.50E-09	-4.50E-09	-4.50E-09	-4.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



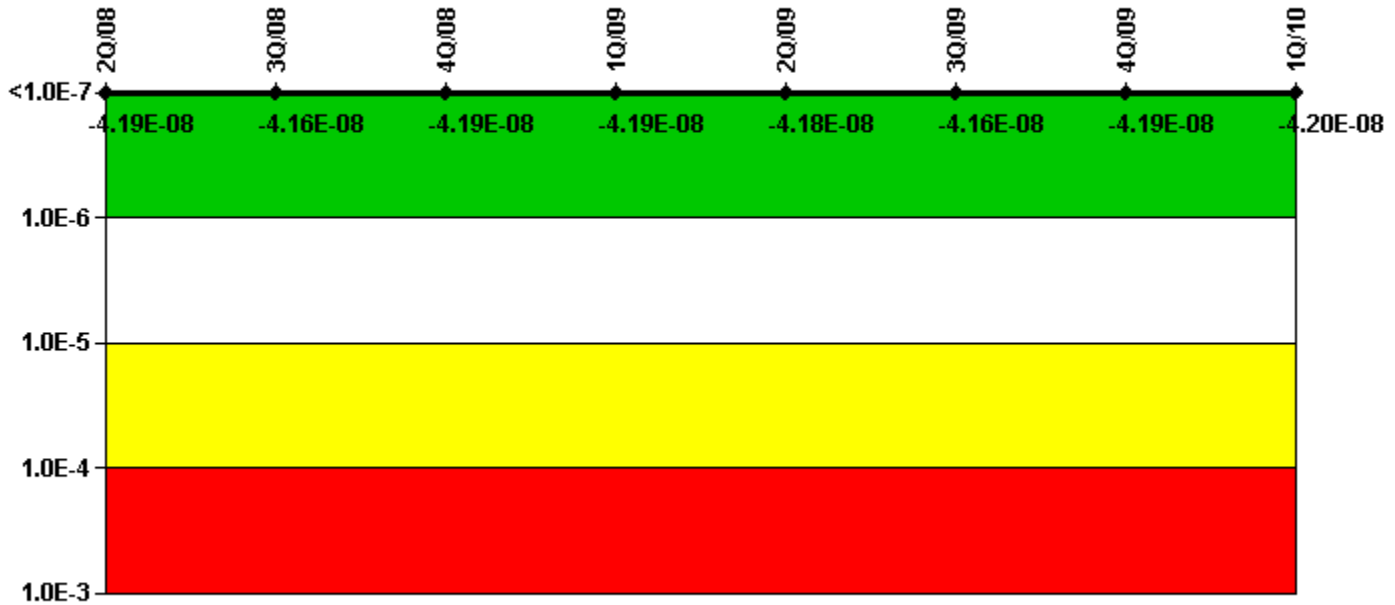
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	3.10E-08	4.70E-09	3.70E-09	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.09E-08
URI (Δ CDF)	-2.20E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.00E-09	-7.93E-08	-8.03E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



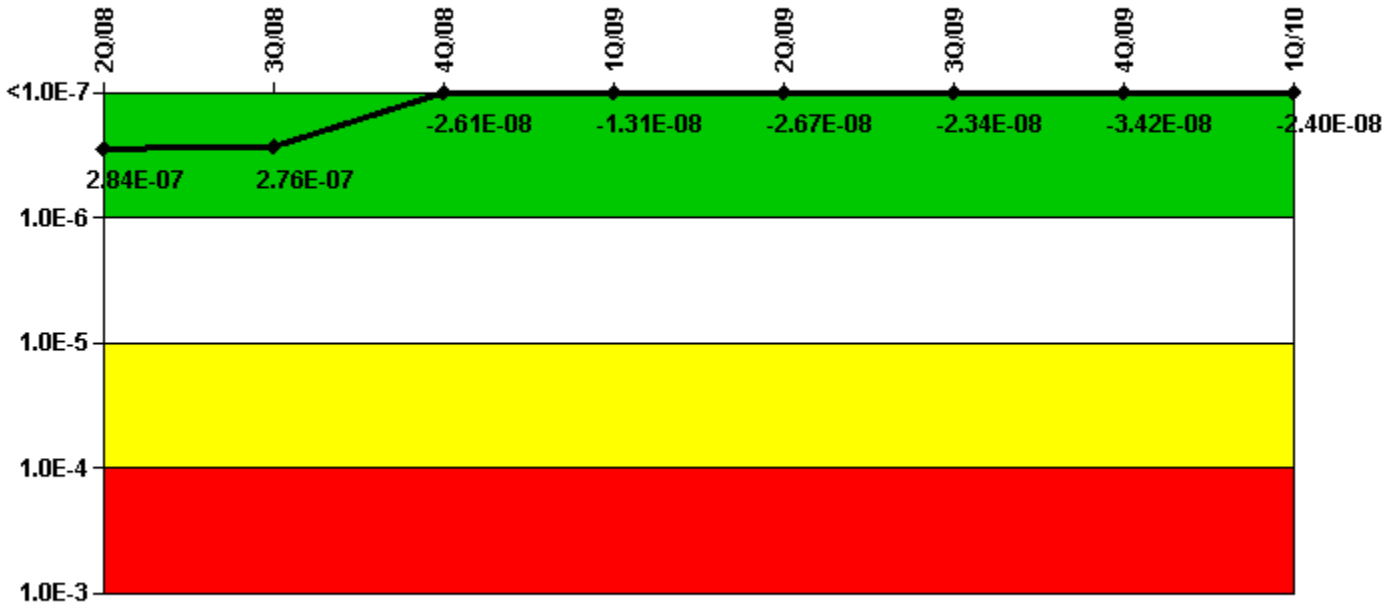
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



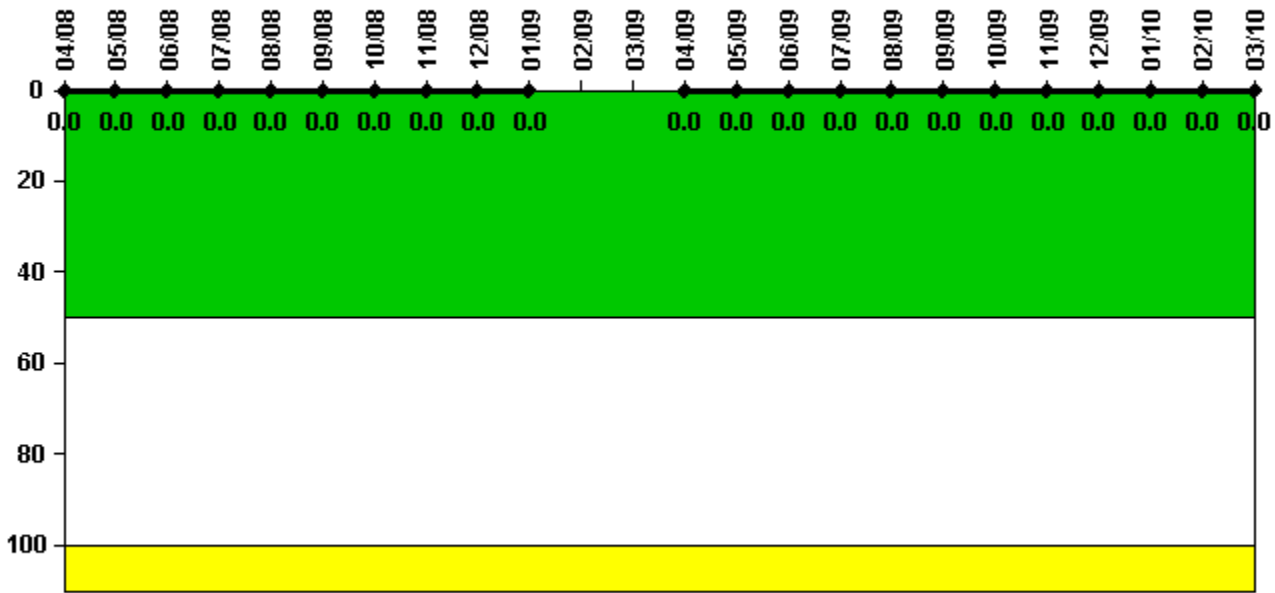
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	3.50E-09	-4.00E-09	-1.80E-08	4.90E-09	-8.70E-09	3.60E-09	-7.20E-09	3.16E-09
URI (Δ CDF)	2.80E-07	2.80E-07	-8.10E-09	-1.80E-08	-1.80E-08	-2.70E-08	-2.70E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.84E-07	2.76E-07	-2.61E-08	-1.31E-08	-2.67E-08	-2.34E-08	-3.42E-08	-2.40E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

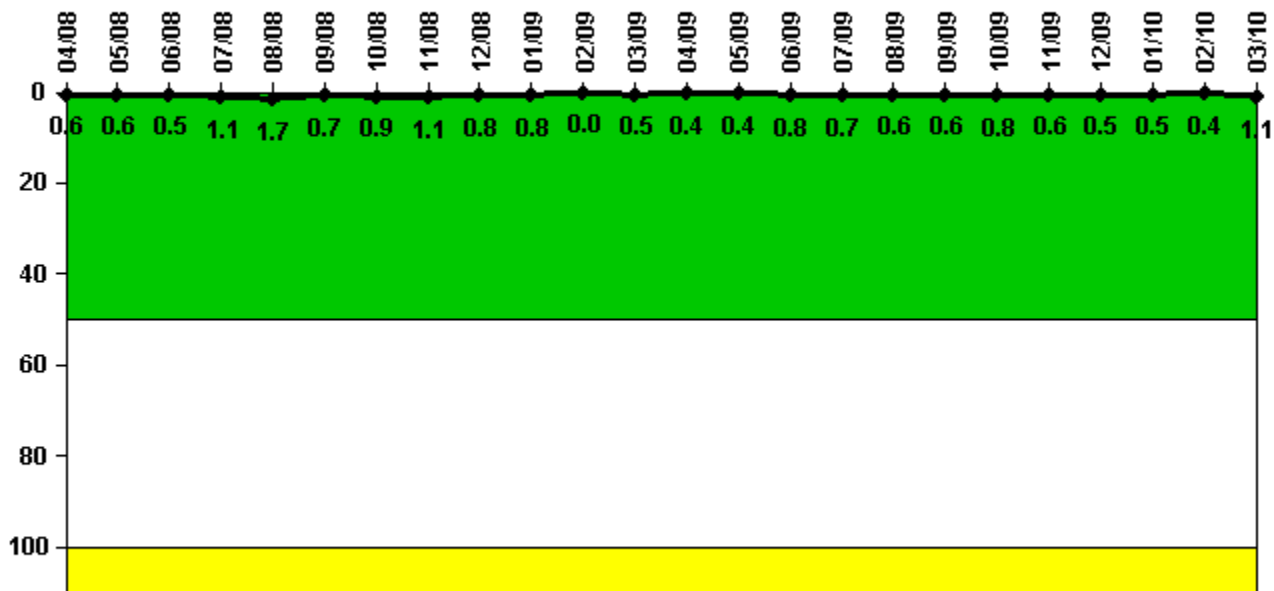
Notes

Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.000122	0.000119	0.000127	0.000119	0.000124	0.000136	0.000227	0.000301	0.000142	0.000118	N/A	N/A
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	N/A	N/A

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.000069	0.000082	0.000088	0.000085	0.000089	0.000105	0.000109	0.000105	0.000173	0.000106	0.000112	0.000122
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



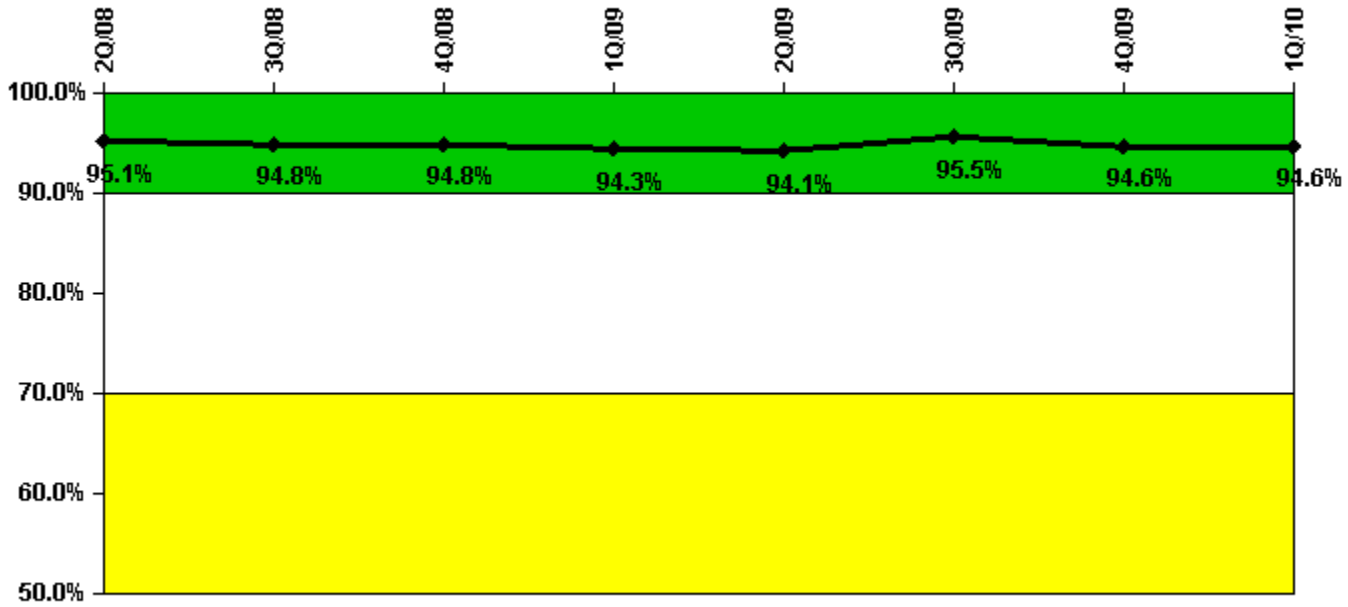
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.063	0.060	0.051	0.111	0.166	0.070	0.085	0.107	0.075	0.083	0	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	0.6	0.6	0.5	1.1	1.7	0.7	0.9	1.1	0.8	0.8	0	0.5
Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.039	0.036	0.076	0.068	0.056	0.062	0.075	0.062	0.053	0.054	0.044	0.106
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	0.4	0.4	0.8	0.7	0.6	0.6	0.8	0.6	0.5	0.5	0.4	1.1

Licensee Comments: none

Drill/Exercise Performance



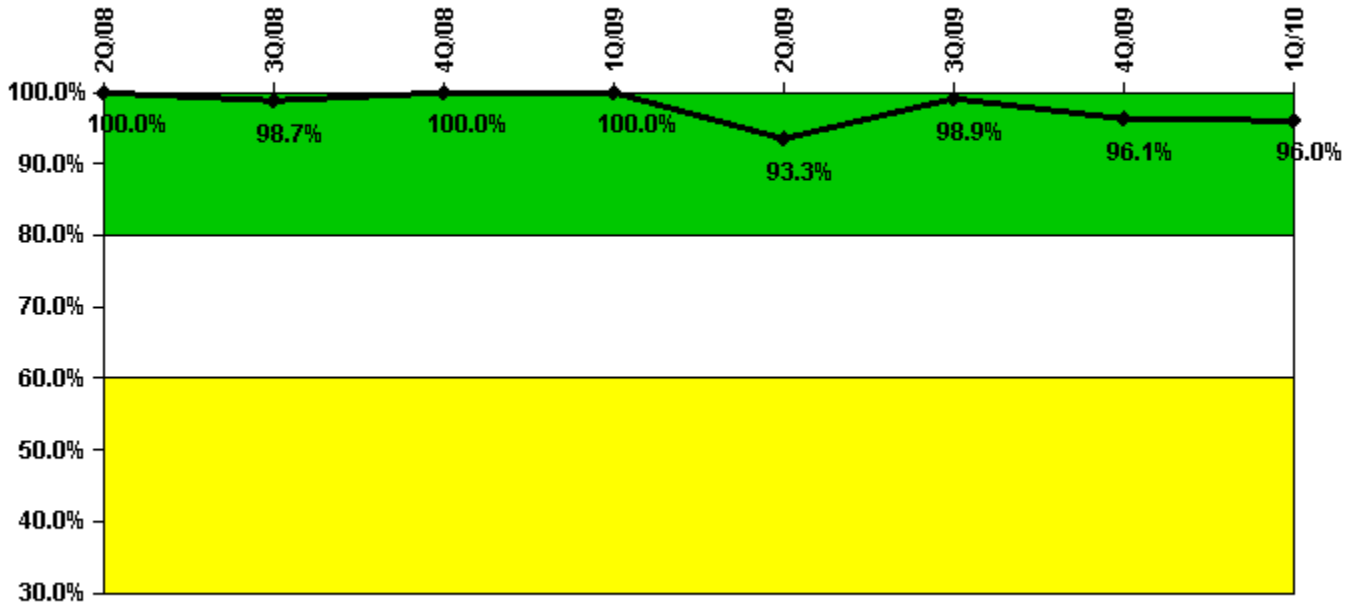
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	53.0	52.0	47.0	13.0	53.0	61.0	40.0	33.0
Total opportunities	56.0	57.0	52.0	14.0	55.0	62.0	41.0	35.0
Indicator value	95.1%	94.8%	94.8%	94.3%	94.1%	95.5%	94.6%	94.6%

Licensee Comments: none

ERO Drill Participation



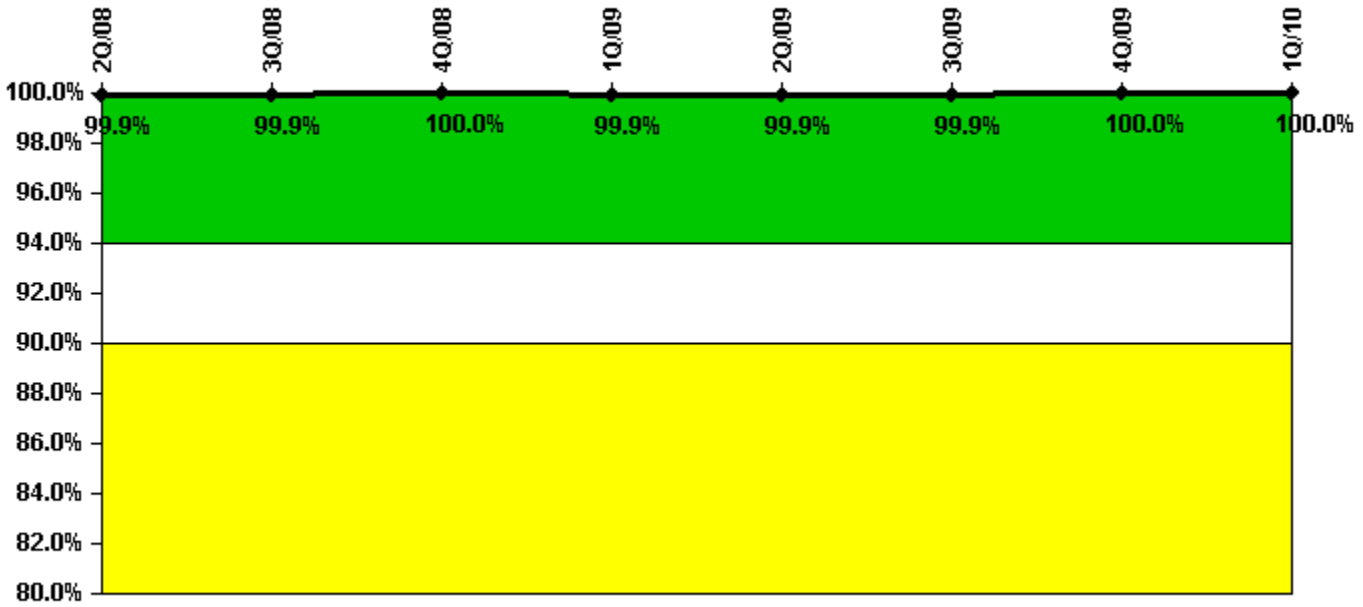
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	75.0	75.0	79.0	70.0	83.0	92.0	98.0	97.0
Total Key personnel	75.0	76.0	79.0	70.0	89.0	93.0	102.0	101.0
Indicator value	100.0%	98.7%	100.0%	100.0%	93.3%	98.9%	96.1%	96.0%

Licensee Comments: none

Alert & Notification System



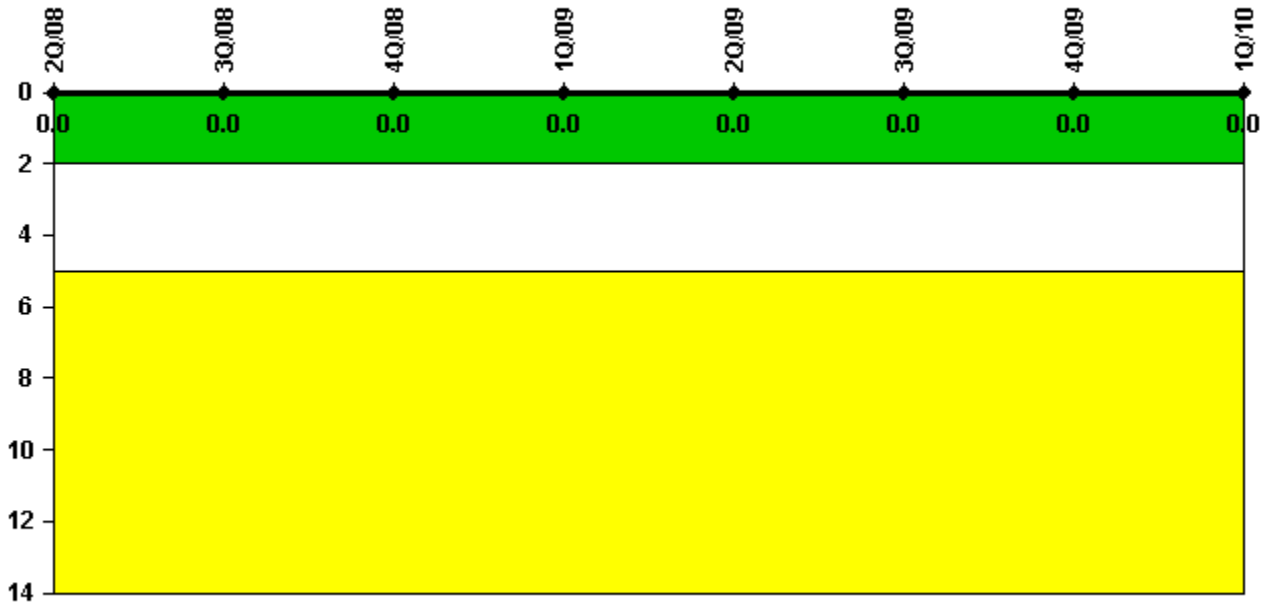
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	916	1310	1047	1047	916	1310	916	1048
Total sirens-tests	917	1310	1048	1048	917	1310	916	1048
Indicator value	99.9%	99.9%	100.0%	99.9%	99.9%	99.9%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



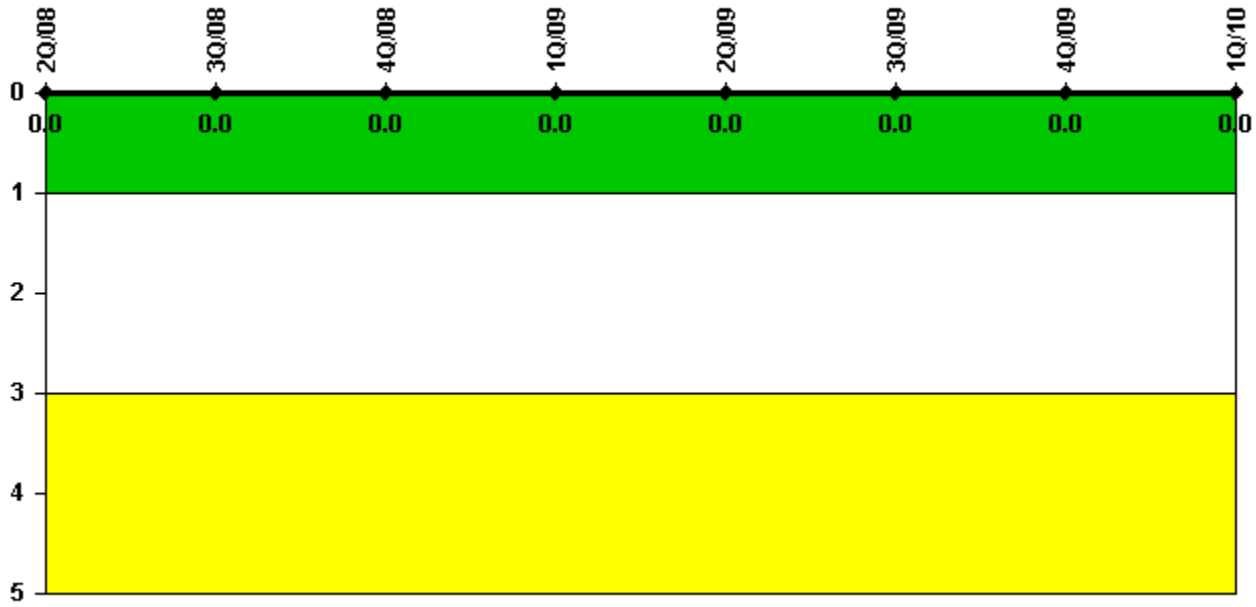
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/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

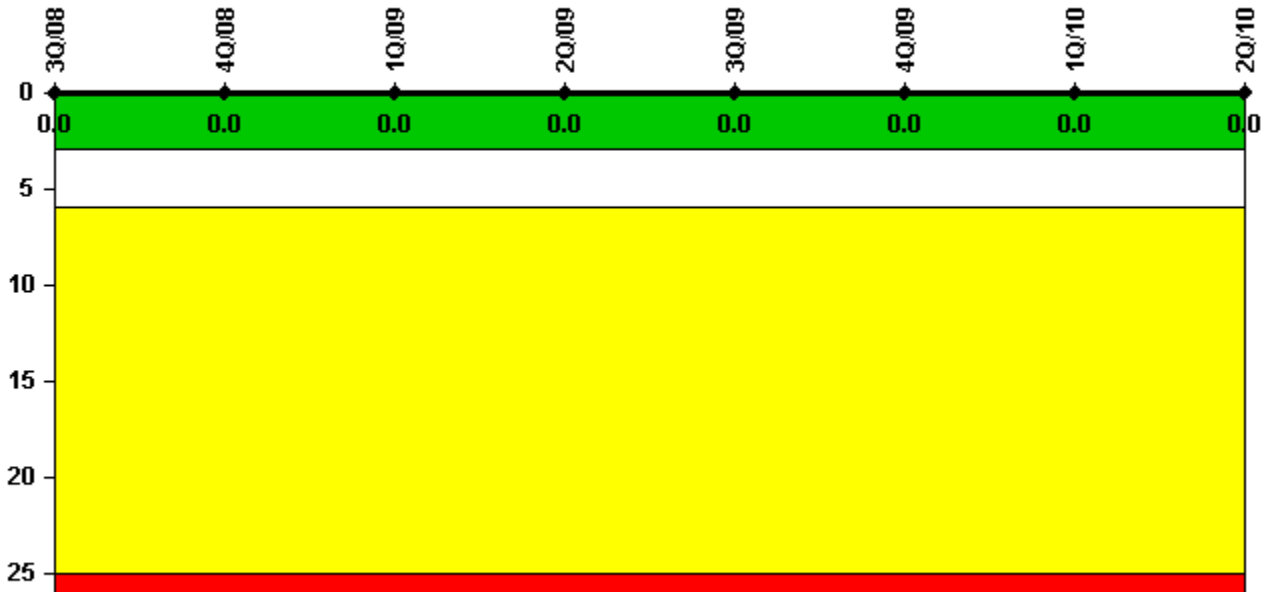
[Security](#) information not publicly available.

Diablo Canyon 1

2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



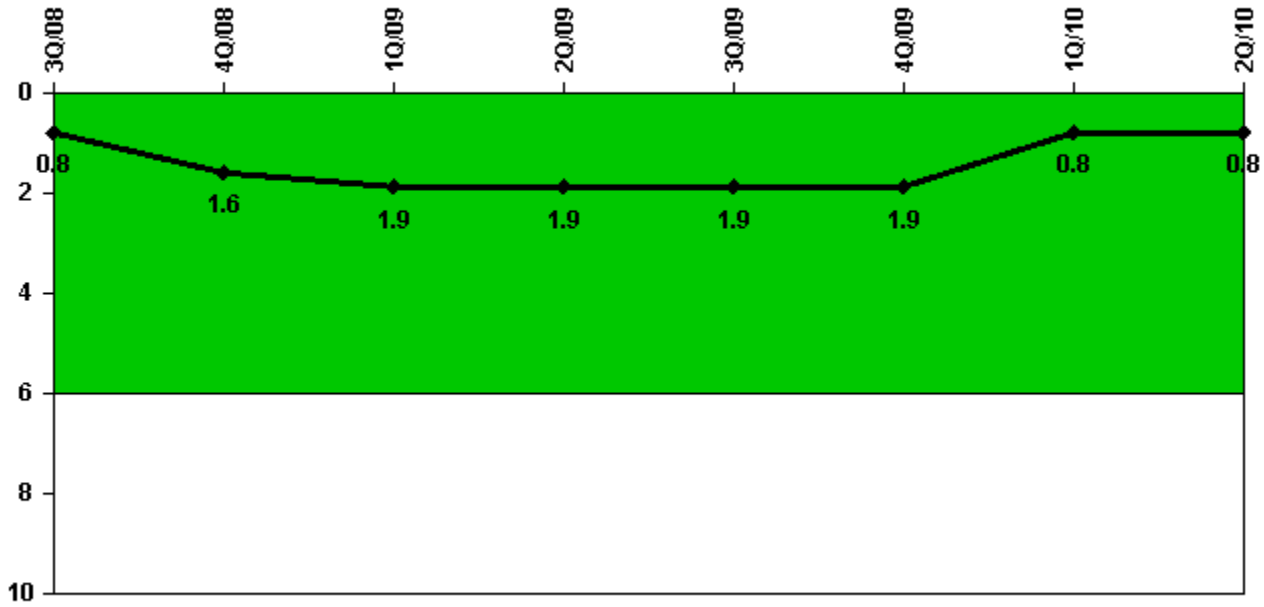
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	787.1	2184.0	2160.4	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



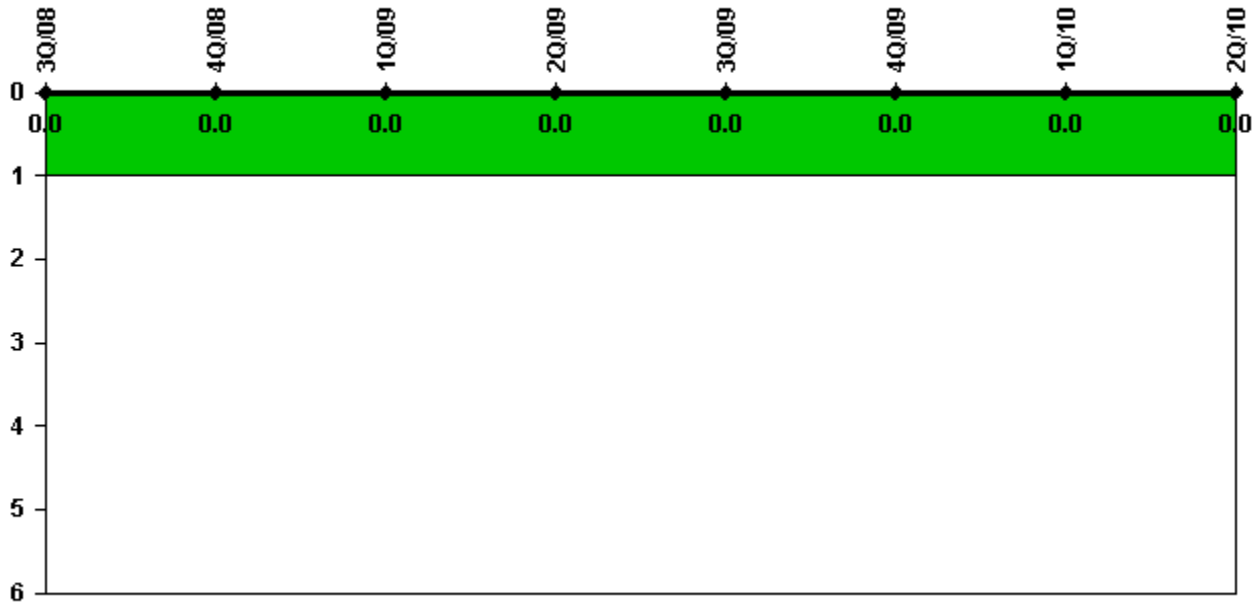
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	1.0	1.0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	787.1	2184.0	2160.4	2209.0	2159.0	2184.0
Indicator value	0.8	1.6	1.9	1.9	1.9	1.9	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



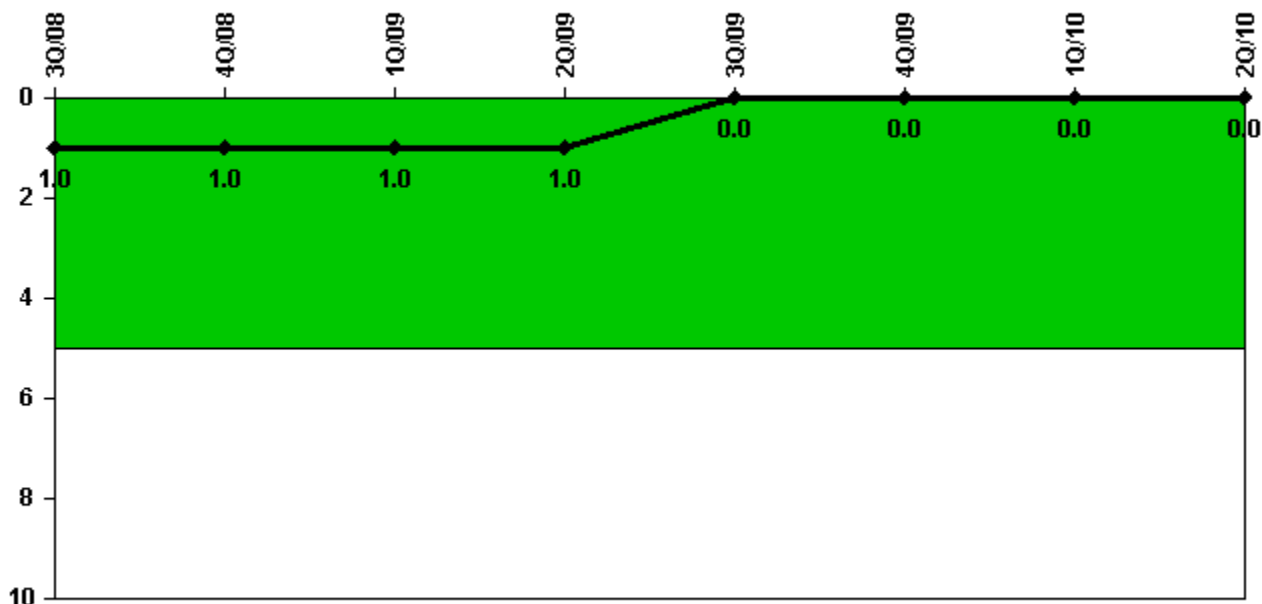
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/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

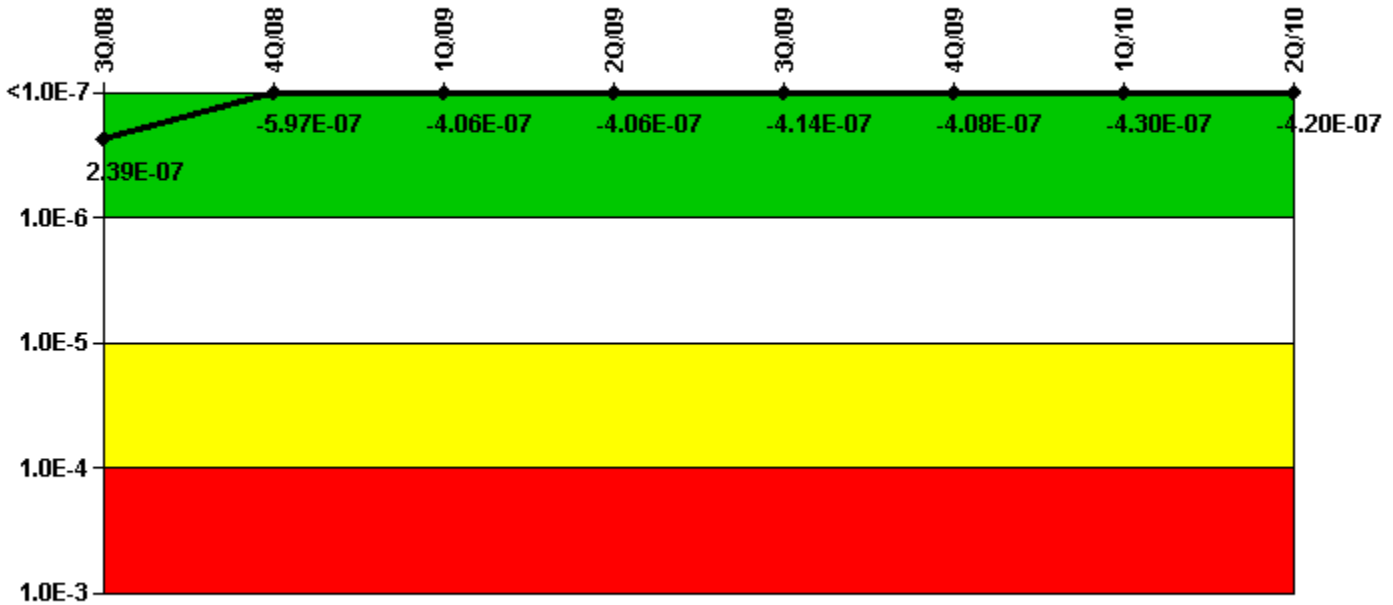
Notes

Safety System Functional Failures (PWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	0	0

Licensee Comments:

2Q/10: LER 1-2010-002 was submitted May 10, 2010. While SSFF was not specifically addressed, it meets the NEI 99-02 guidance. A supplemental LER was submitted July 2, 2010 and provides additional detail including specifying SSFF. It will be counted in July.

Mitigating Systems Performance Index, Emergency AC Power System



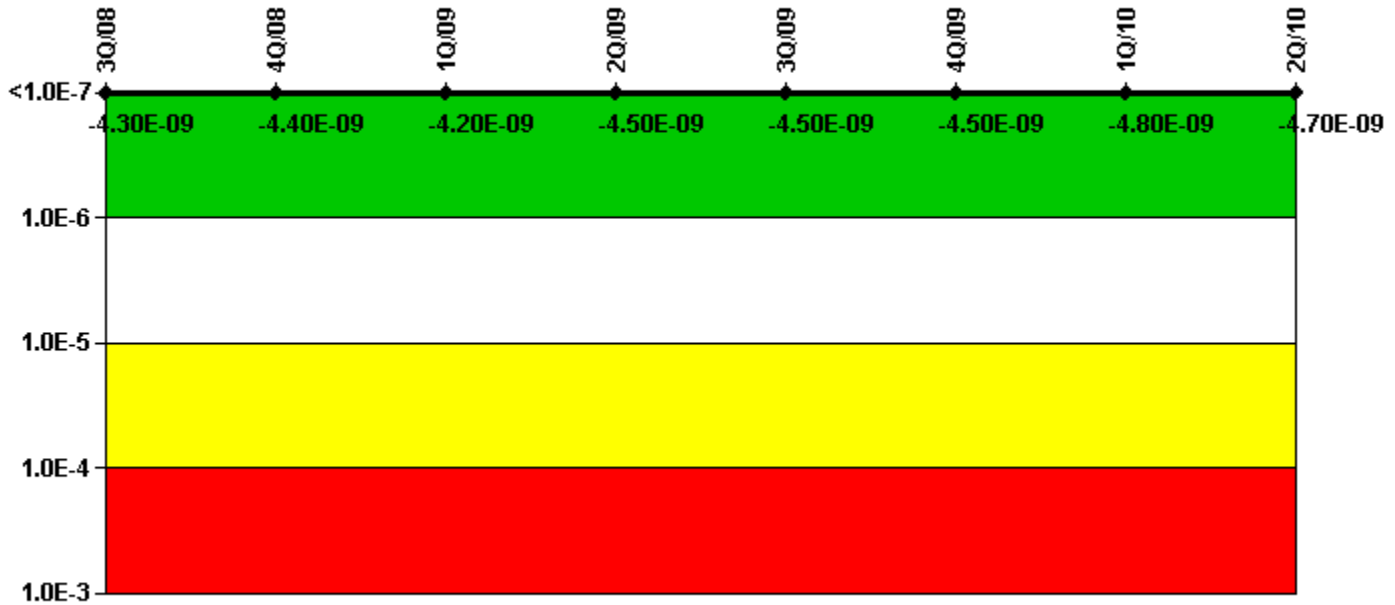
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-1.10E-09	1.30E-08	1.40E-08	1.40E-08	6.00E-09	1.20E-08	-2.47E-09	-2.69E-09
URI (Δ CDF)	2.40E-07	-6.10E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.24E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.39E-07	-5.97E-07	-4.06E-07	-4.06E-07	-4.14E-07	-4.08E-07	-4.30E-07	-4.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



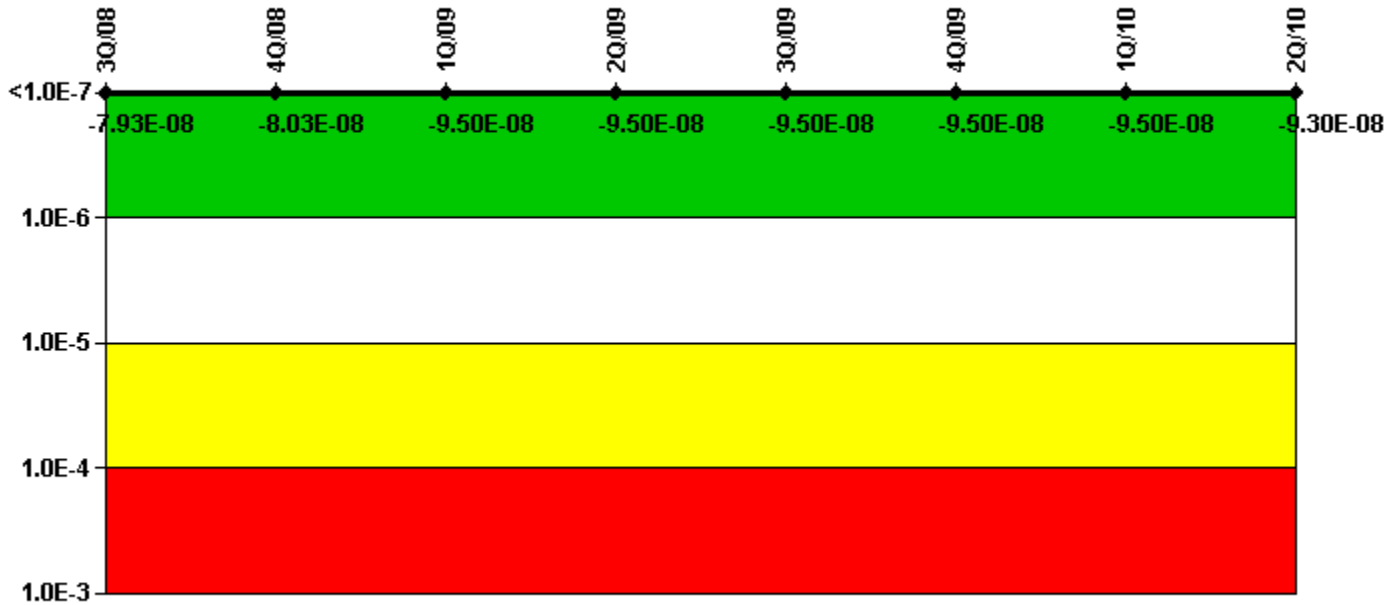
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-2.80E-09	-2.90E-09	-2.70E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.36E-09	-3.29E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.45E-09	-1.45E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-09	-4.40E-09	-4.20E-09	-4.50E-09	-4.50E-09	-4.50E-09	-4.80E-09	-4.70E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



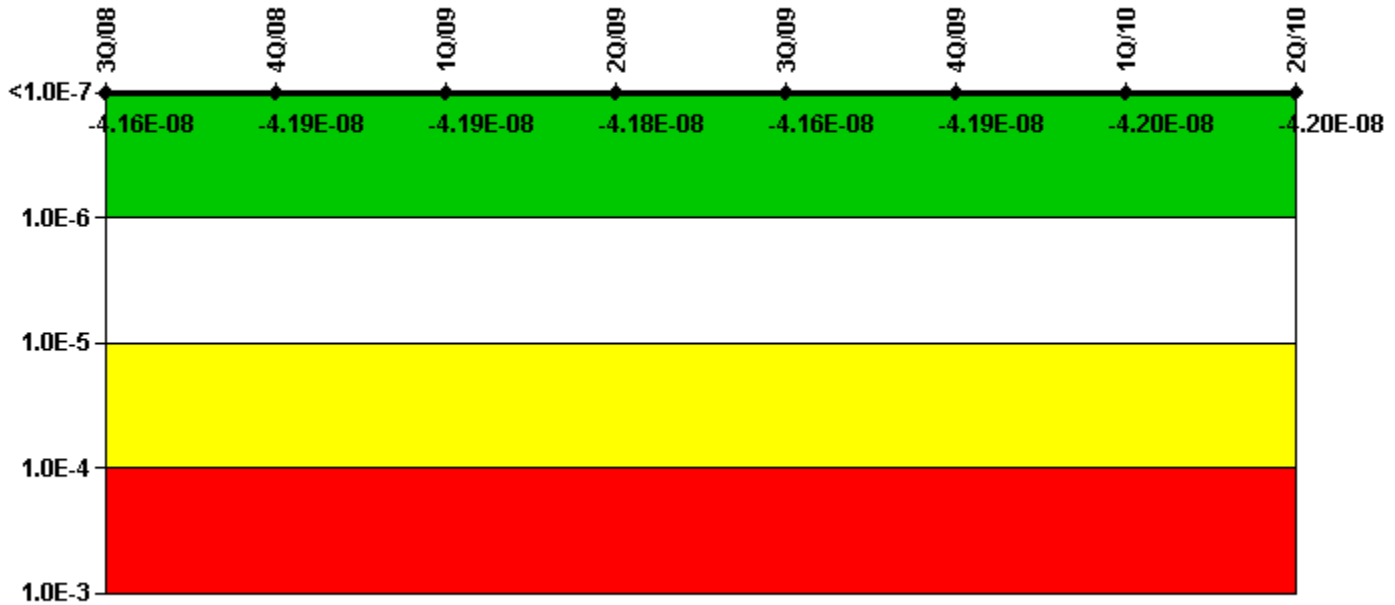
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	4.70E-09	3.70E-09	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.09E-08	-8.81E-09
URI (Δ CDF)	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.37E-08	-8.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.93E-08	-8.03E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



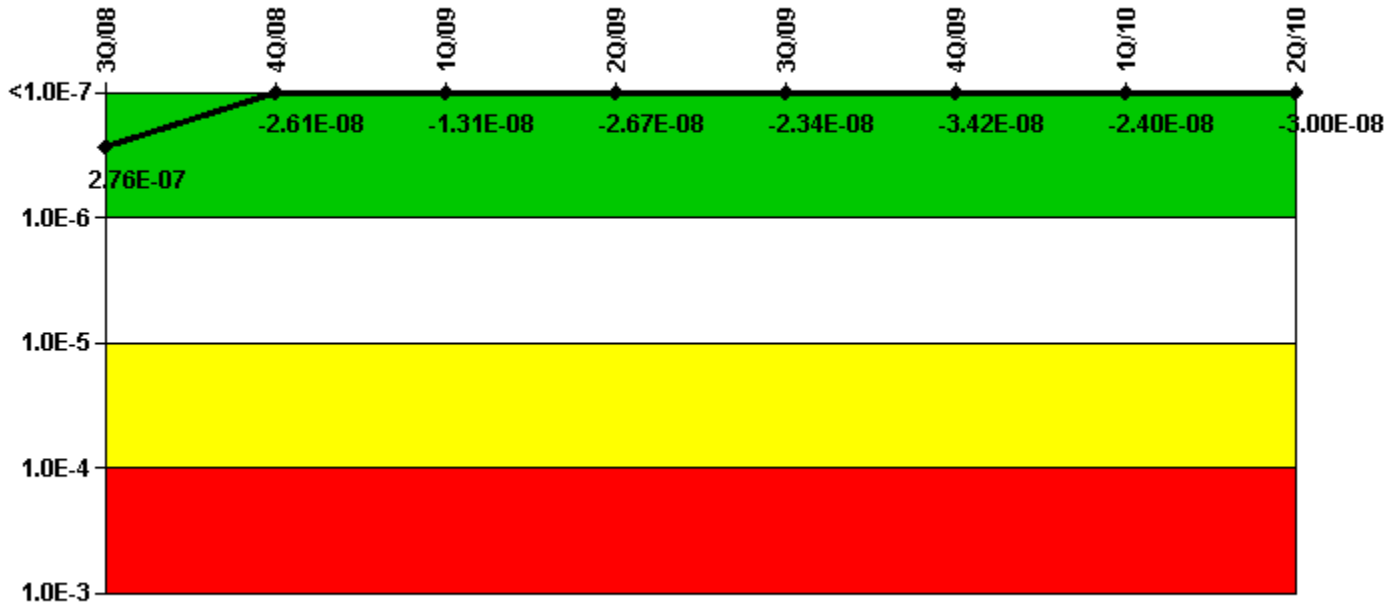
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



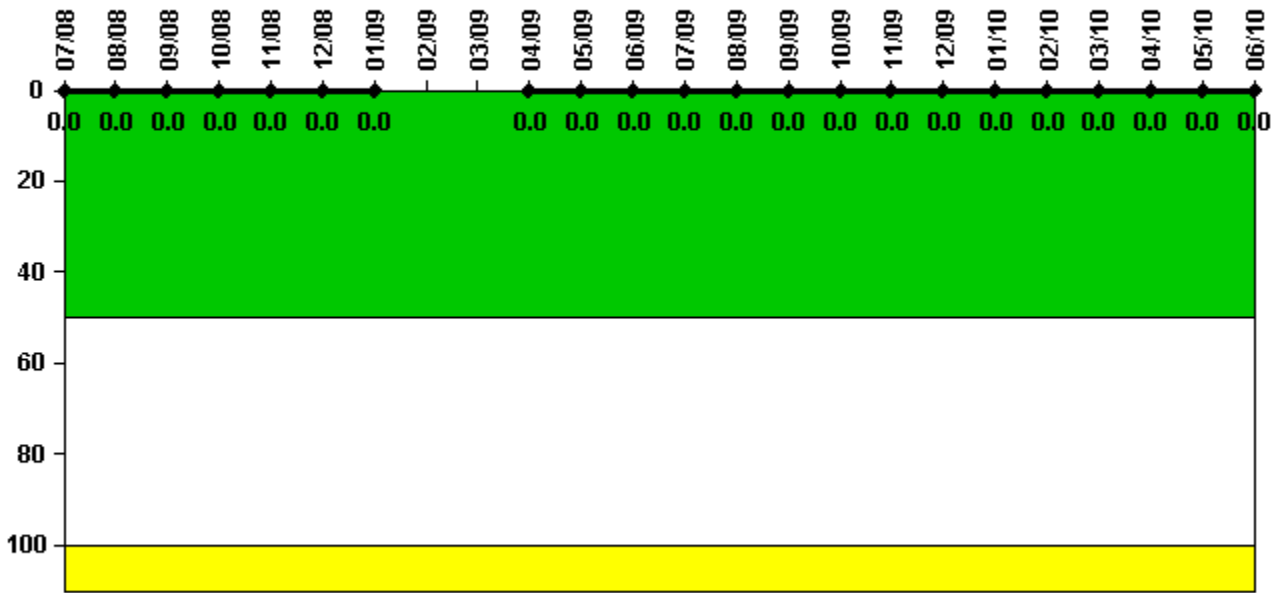
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-4.00E-09	-1.80E-08	4.90E-09	-8.70E-09	3.60E-09	-7.20E-09	3.16E-09	-2.56E-09
URI (Δ CDF)	2.80E-07	-8.10E-09	-1.80E-08	-1.80E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.76E-07	-2.61E-08	-1.31E-08	-2.67E-08	-2.34E-08	-3.42E-08	-2.40E-08	-3.00E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

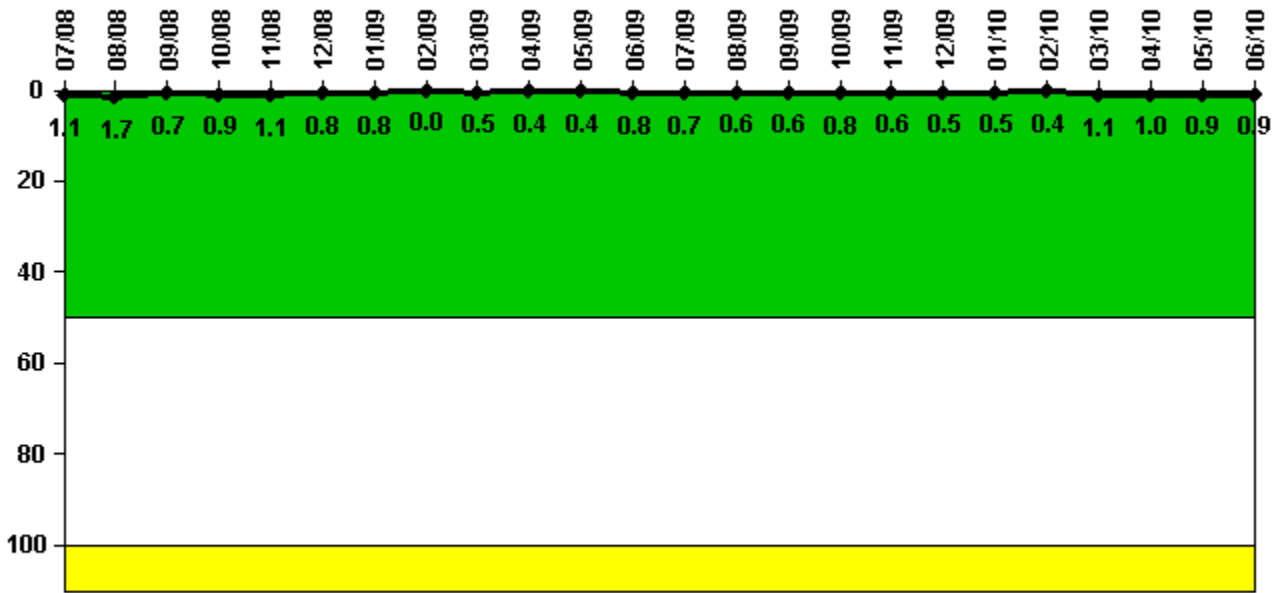
Notes

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.000119	0.000124	0.000136	0.000227	0.000301	0.000142	0.000118	N/A	N/A	0.000069	0.000082	0.000088
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	N/A	N/A	0	0	0

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	0.000085	0.000089	0.000105	0.000109	0.000105	0.000173	0.000106	0.000112	0.000122	0.000123	0.000223	0.000192
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



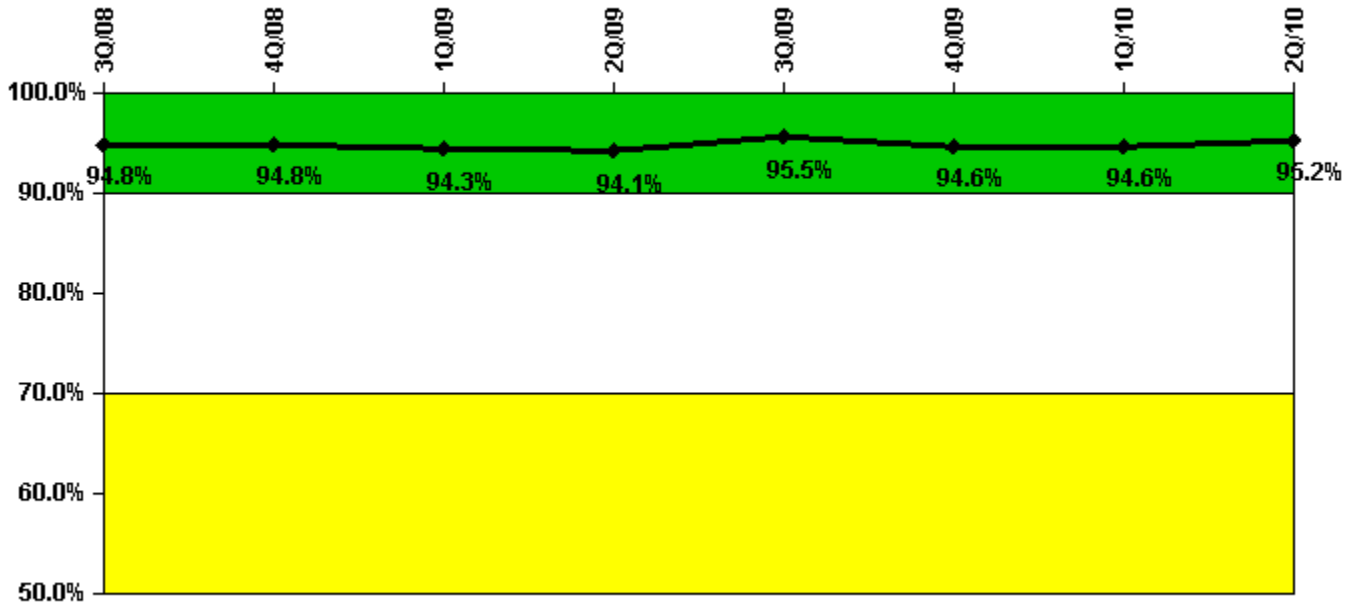
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.111	0.166	0.070	0.085	0.107	0.075	0.083	0	0.053	0.039	0.036	0.076
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	1.1	1.7	0.7	0.9	1.1	0.8	0.8	0	0.5	0.4	0.4	0.8
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	0.068	0.056	0.062	0.075	0.062	0.053	0.054	0.044	0.106	0.095	0.093	0.085
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	0.7	0.6	0.6	0.8	0.6	0.5	0.5	0.4	1.1	1.0	0.9	0.9

Licensee Comments: none

Drill/Exercise Performance



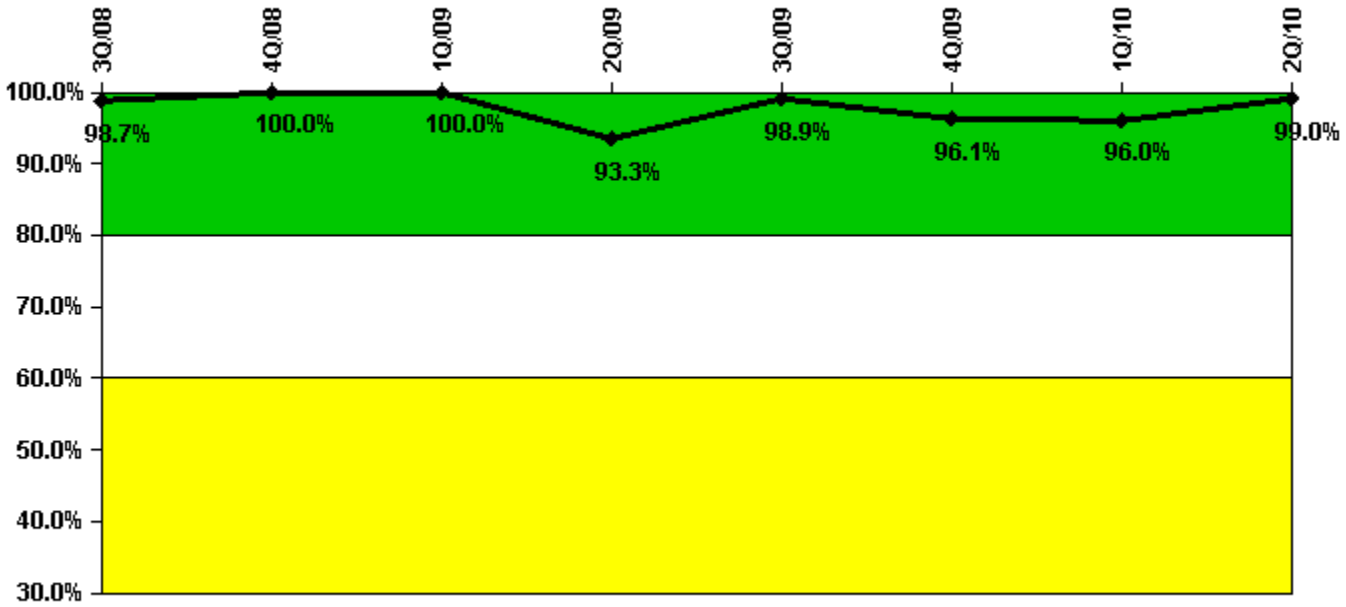
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	52.0	47.0	13.0	53.0	61.0	40.0	33.0	59.0
Total opportunities	57.0	52.0	14.0	55.0	62.0	41.0	35.0	60.0
Indicator value	94.8%	94.8%	94.3%	94.1%	95.5%	94.6%	94.6%	95.2%

Licensee Comments: none

ERO Drill Participation



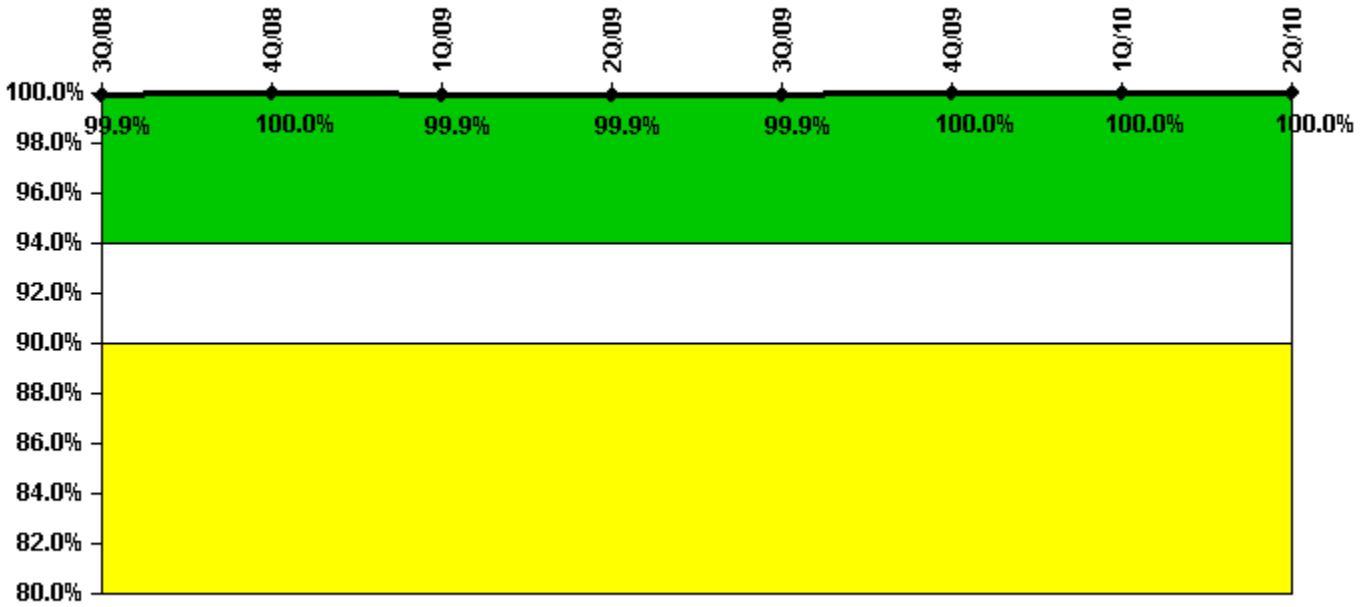
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	75.0	79.0	70.0	83.0	92.0	98.0	97.0	102.0
Total Key personnel	76.0	79.0	70.0	89.0	93.0	102.0	101.0	103.0
Indicator value	98.7%	100.0%	100.0%	93.3%	98.9%	96.1%	96.0%	99.0%

Licensee Comments: none

Alert & Notification System



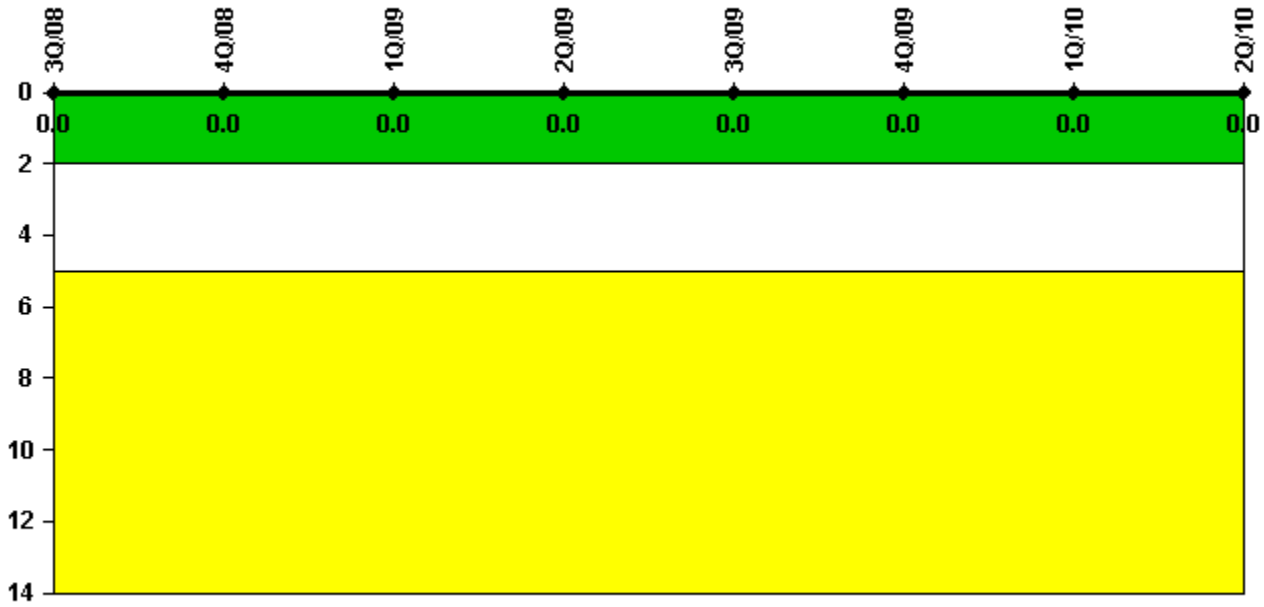
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	1310	1047	1047	916	1310	916	1048	917
Total sirens-tests	1310	1048	1048	917	1310	916	1048	917
Indicator value	99.9%	100.0%	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



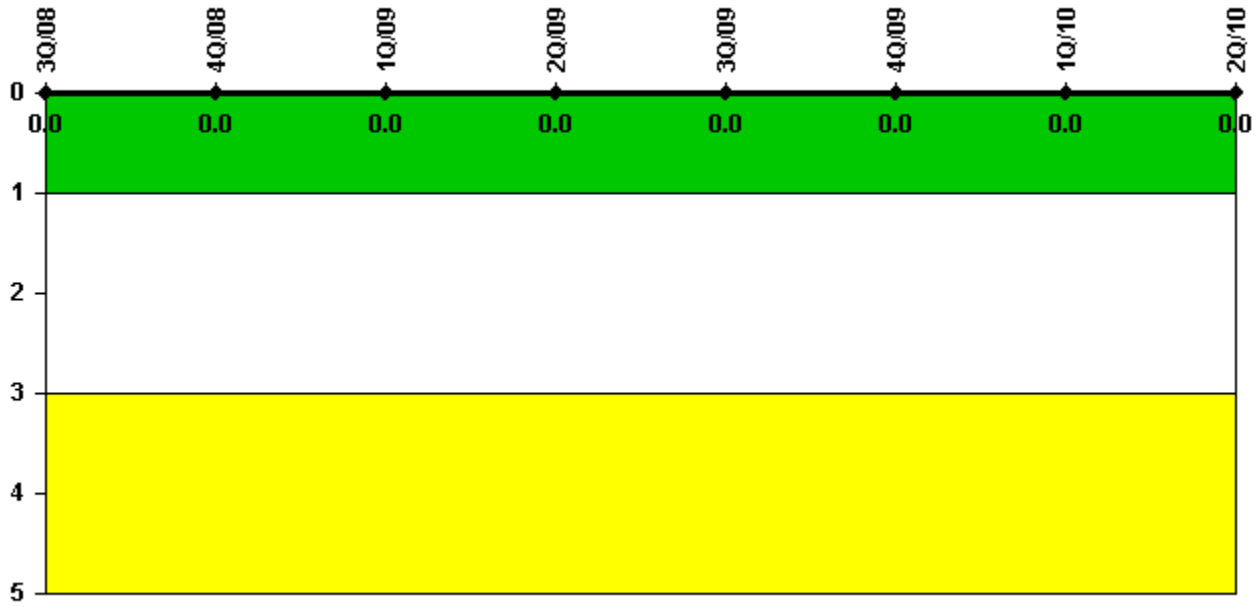
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/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

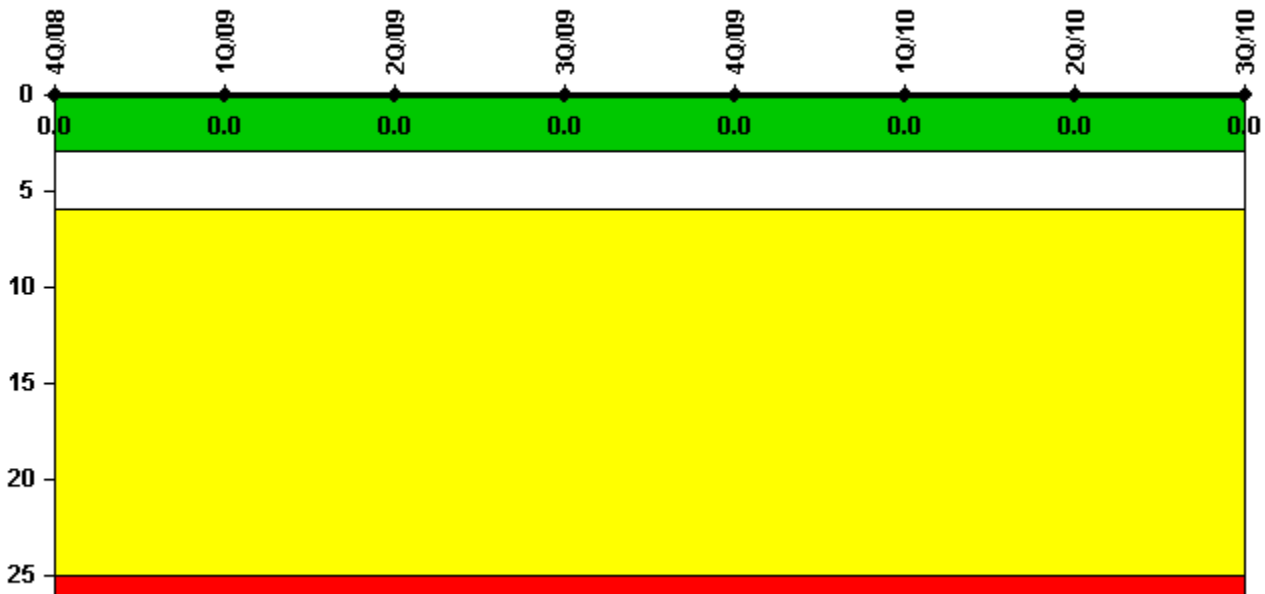
[Security](#) information not publicly available.

Diablo Canyon 1

3Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



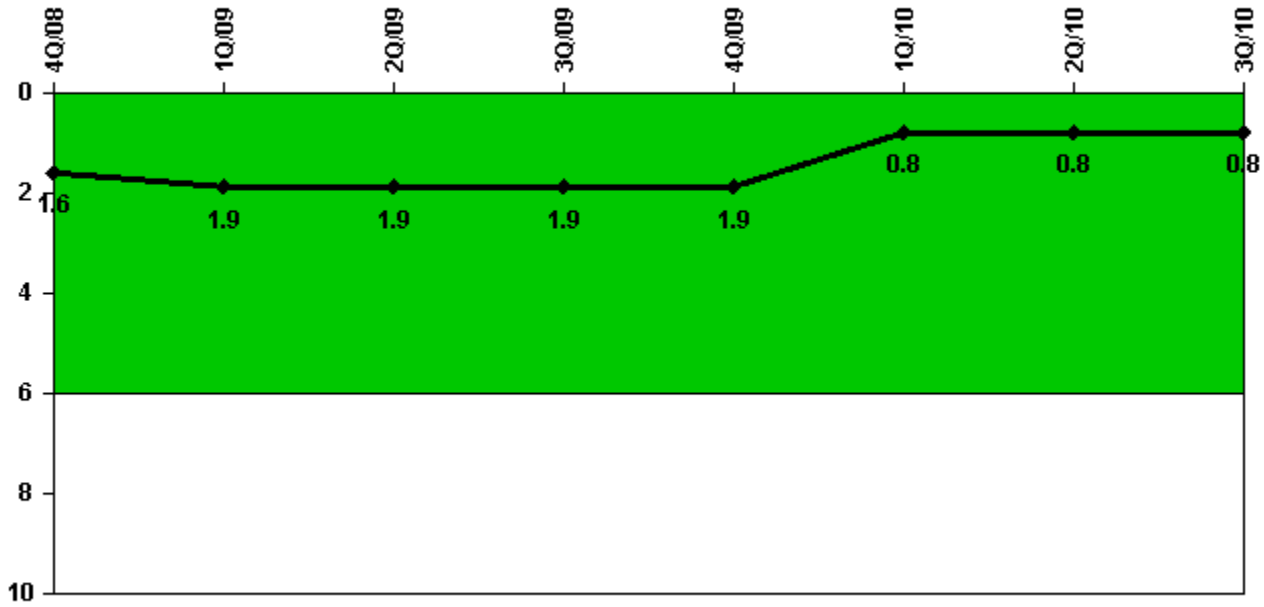
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	787.1	2184.0	2160.4	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



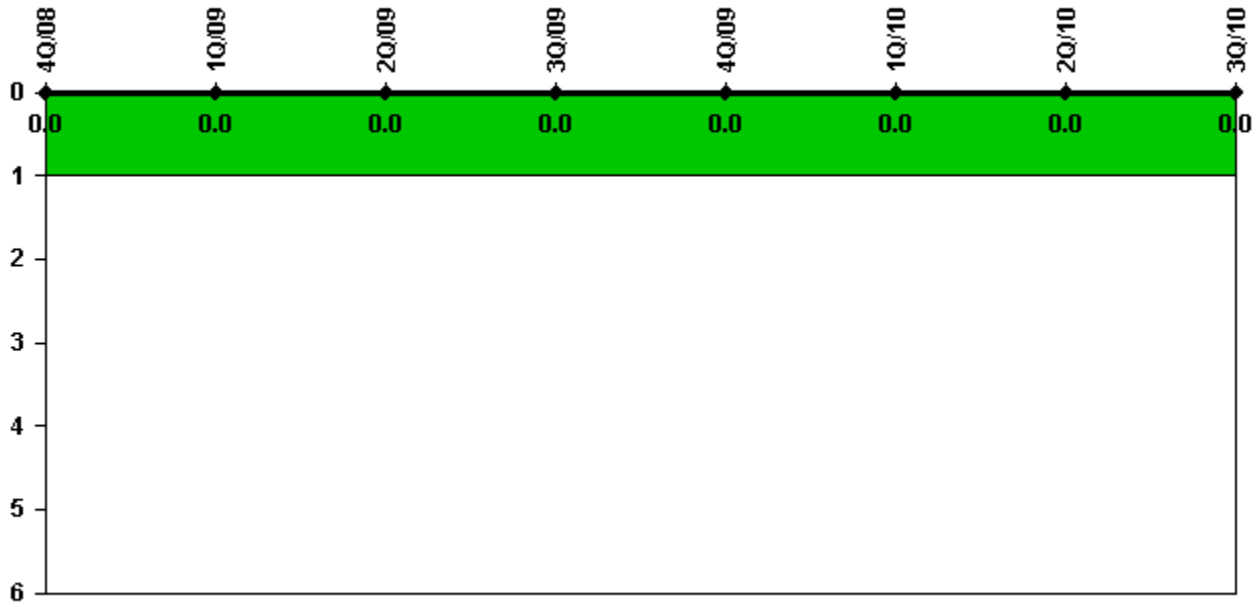
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	1.0	1.0	0	0	1.0	0	0	0
Critical hours	2209.0	787.1	2184.0	2160.4	2209.0	2159.0	2184.0	2208.0
Indicator value	1.6	1.9	1.9	1.9	1.9	0.8	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



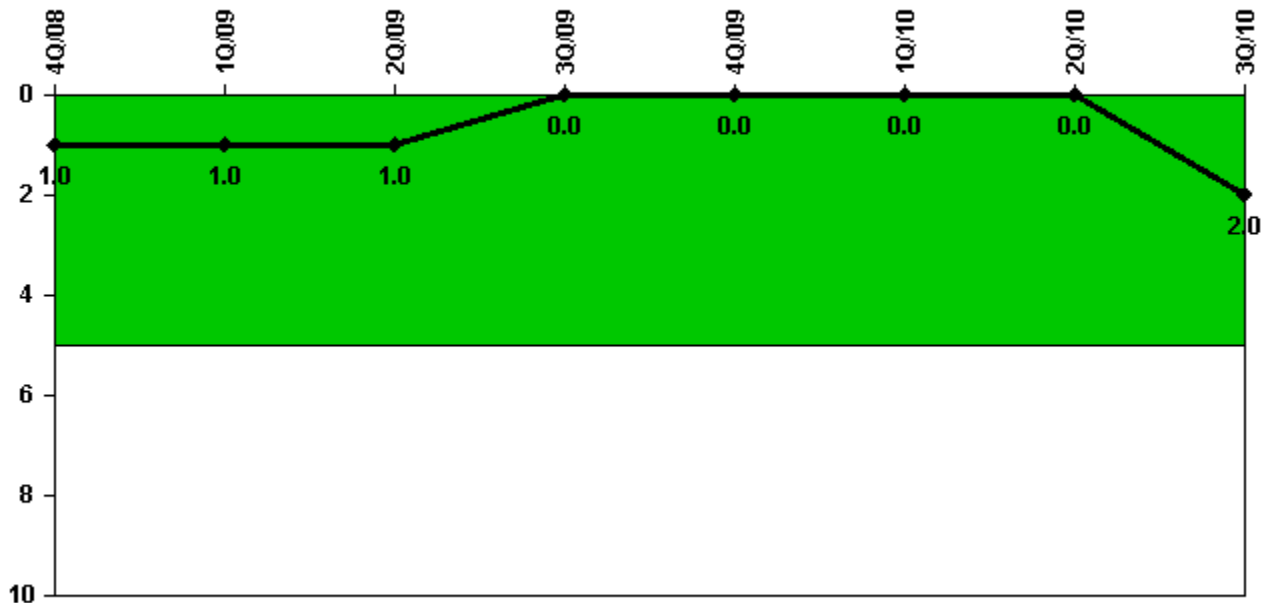
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/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

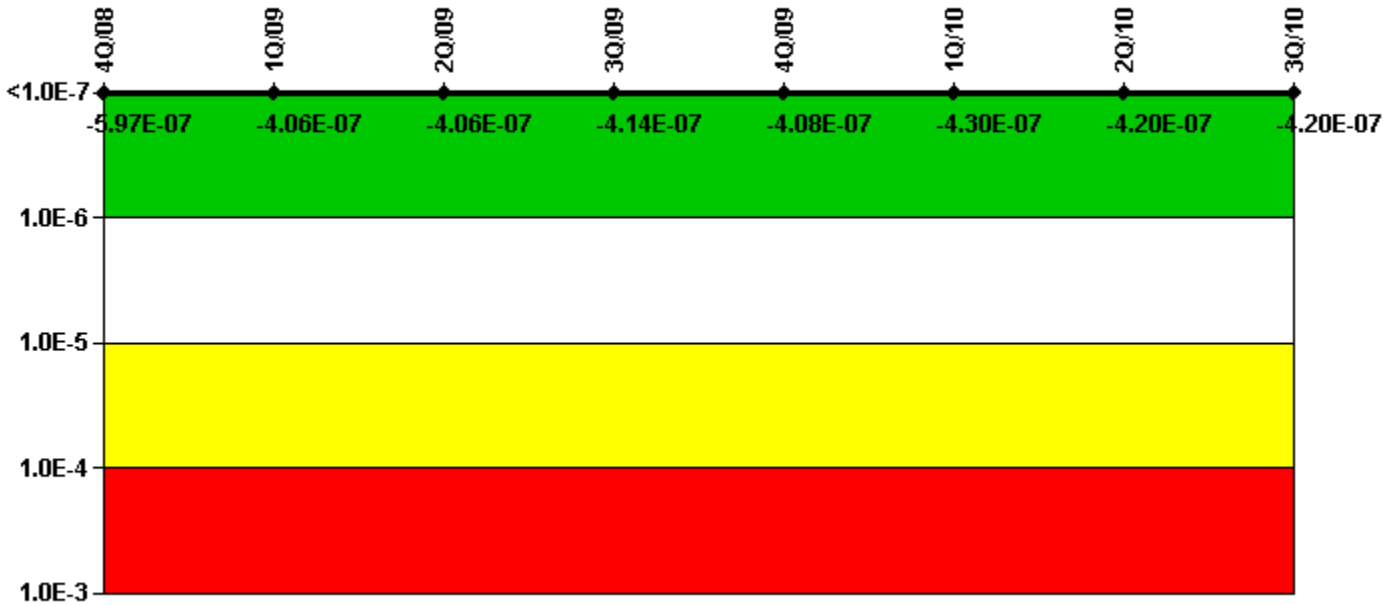
Notes

Safety System Functional Failures (PWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	2
Indicator value	1	1	1	0	0	0	0	2

Licensee Comments:

3Q/10: LER 1-2010-002-01 "Potential Loss of Safety-Related Pumps due to Degraded Voltage," July, 2010; LER 1-2010-003-00 "230 kV Historical Evaluation of Condition Prohibited by TS," August, 2010 are SSFFs during the last 4 quarters

Mitigating Systems Performance Index, Emergency AC Power System



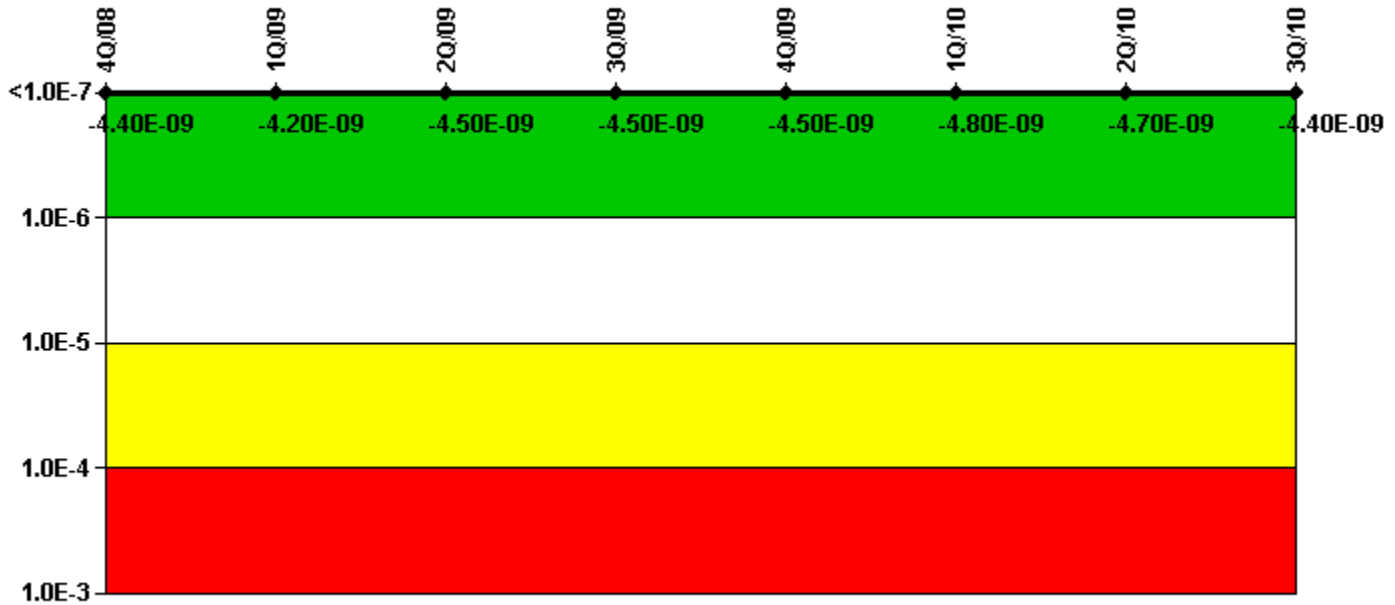
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	1.30E-08	1.40E-08	1.40E-08	6.00E-09	1.20E-08	-2.47E-09	-2.69E-09	-2.73E-09
URI (Δ CDF)	-6.10E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.24E-07	-4.20E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.97E-07	-4.06E-07	-4.06E-07	-4.14E-07	-4.08E-07	-4.30E-07	-4.20E-07	-4.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



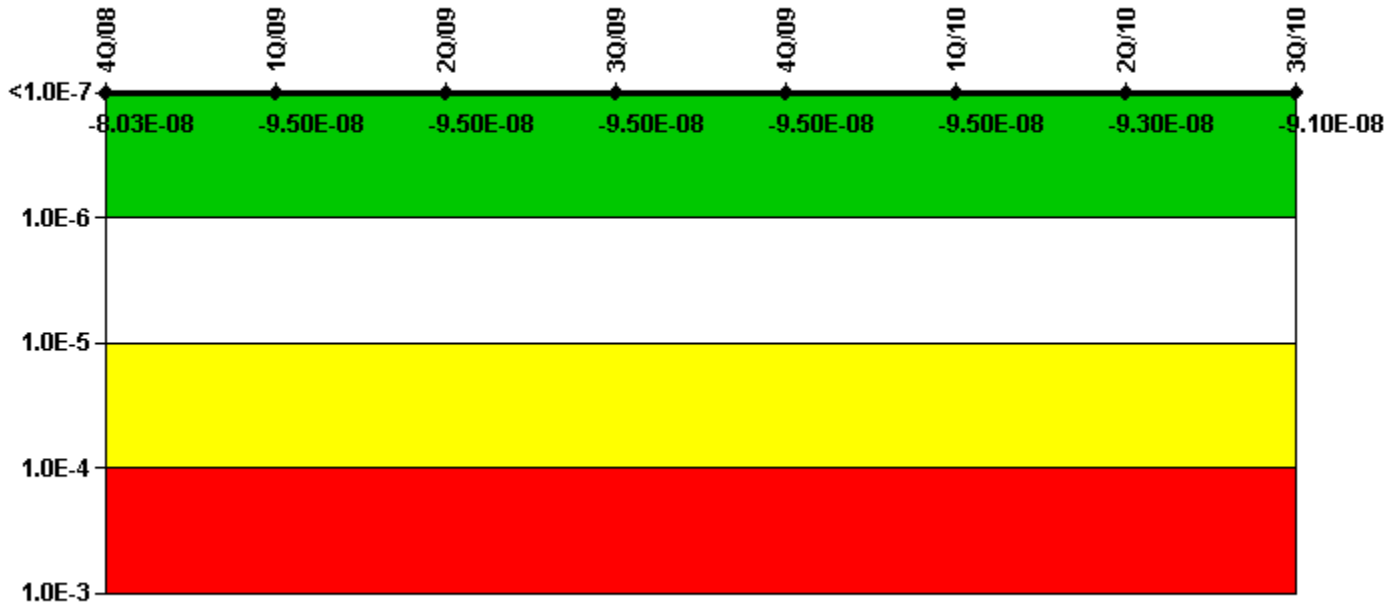
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-2.90E-09	-2.70E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.36E-09	-3.29E-09	-3.01E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.45E-09	-1.45E-09	-1.44E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-09	-4.20E-09	-4.50E-09	-4.50E-09	-4.50E-09	-4.80E-09	-4.70E-09	-4.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



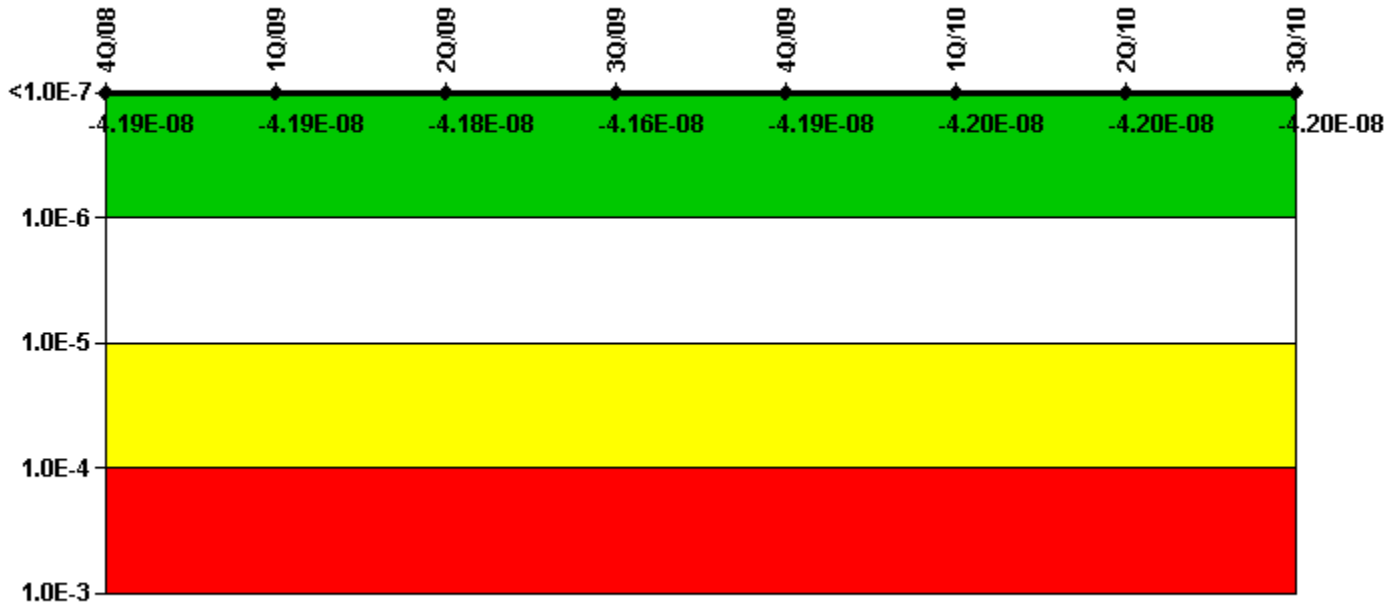
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	3.70E-09	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.09E-08	-8.81E-09	-7.27E-09
URI (Δ CDF)	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.40E-08	-8.37E-08	-8.37E-08	-8.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.03E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.50E-08	-9.30E-08	-9.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



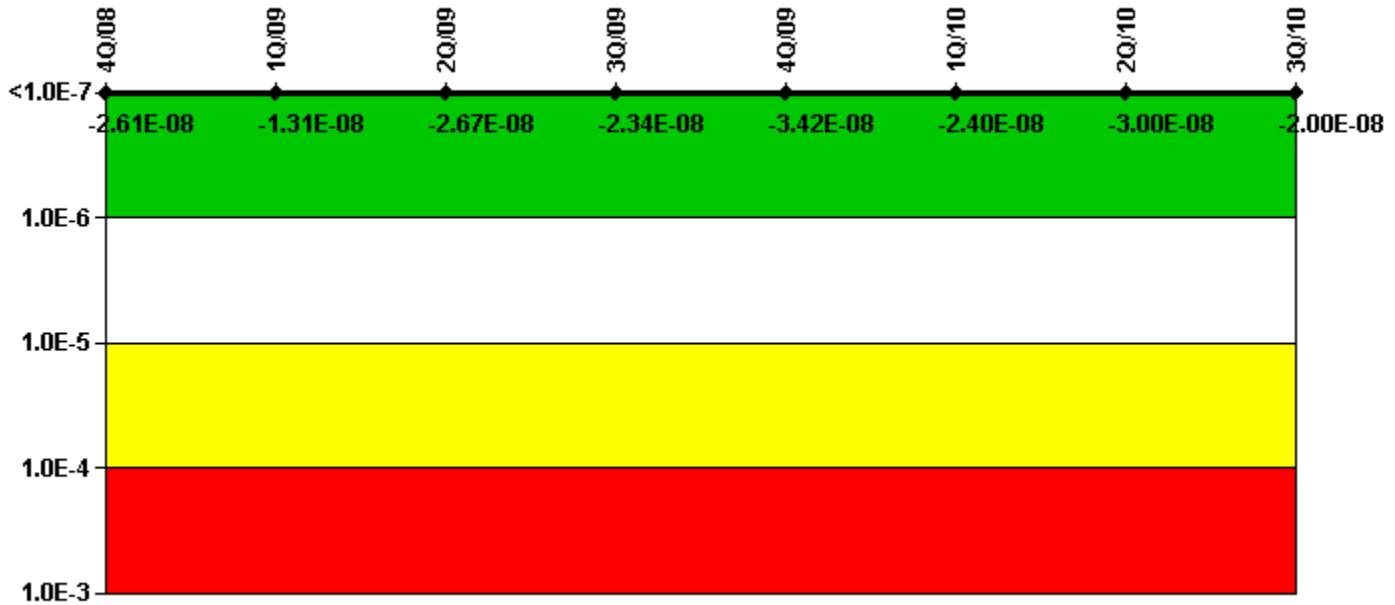
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



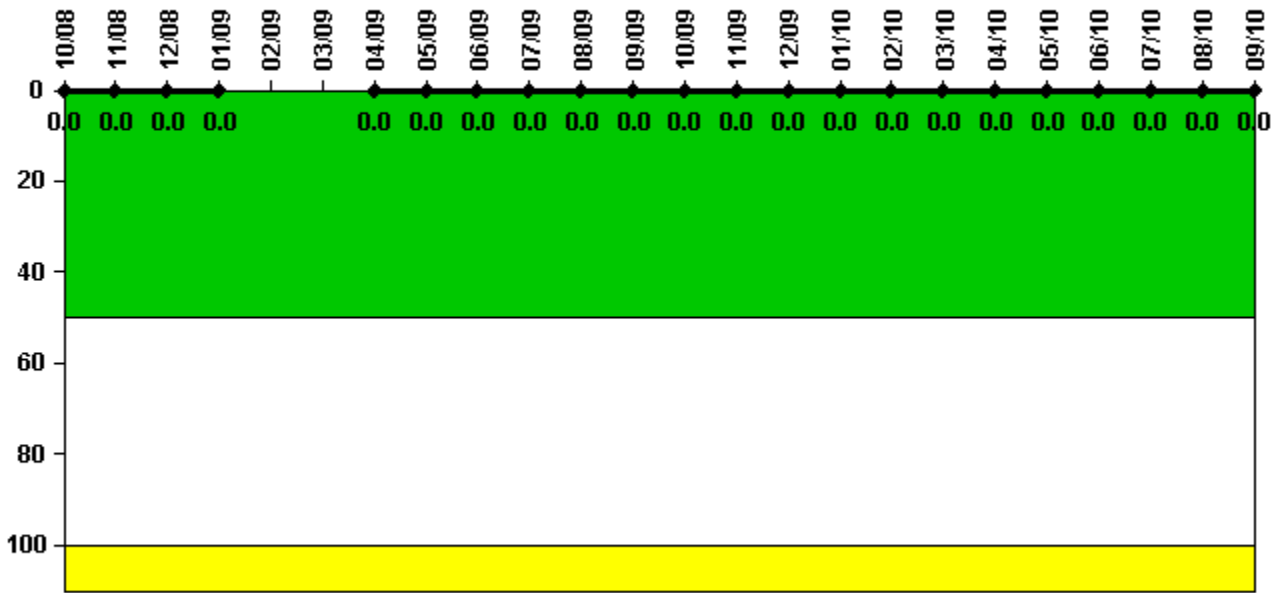
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-1.80E-08	4.90E-09	-8.70E-09	3.60E-09	-7.20E-09	3.16E-09	-2.56E-09	6.81E-09
URI (Δ CDF)	-8.10E-09	-1.80E-08	-1.80E-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	-2.61E-08	-1.31E-08	-2.67E-08	-2.34E-08	-3.42E-08	-2.40E-08	-3.00E-08	-2.00E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

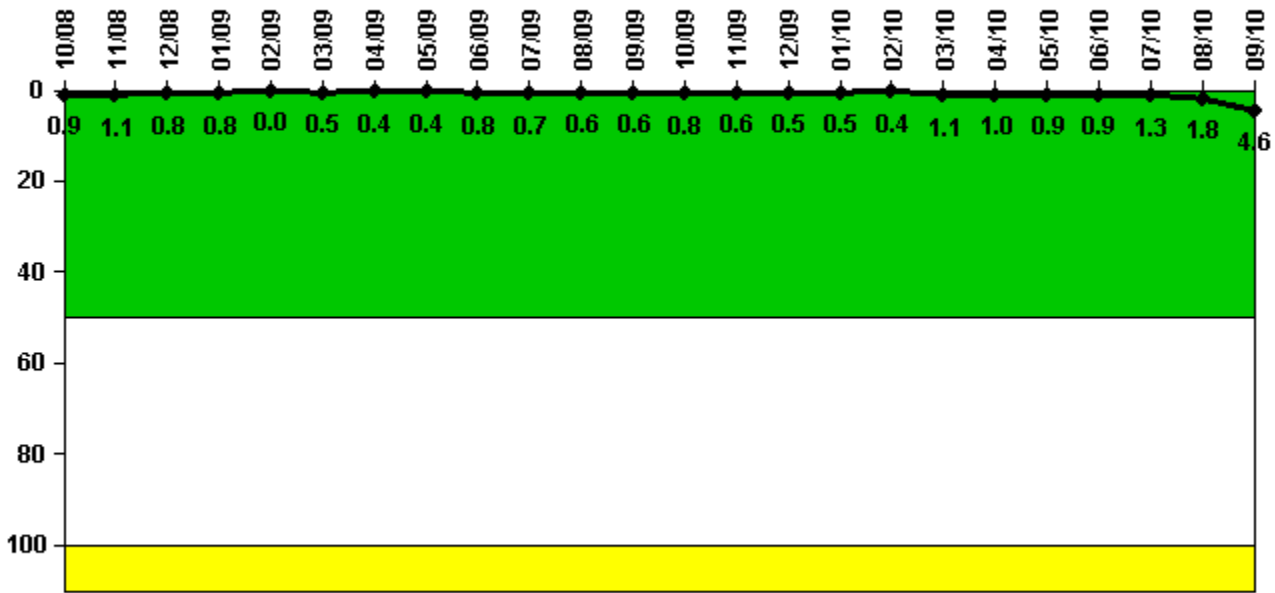
Notes

Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000227	0.000301	0.000142	0.000118	N/A	N/A	0.000069	0.000082	0.000088	0.000085	0.000089	0.000105
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	N/A	N/A	0	0	0	0	0	0

Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000109	0.000105	0.000173	0.000106	0.000112	0.000122	0.000123	0.000223	0.000192	0.000146	0.000131	0.000117
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



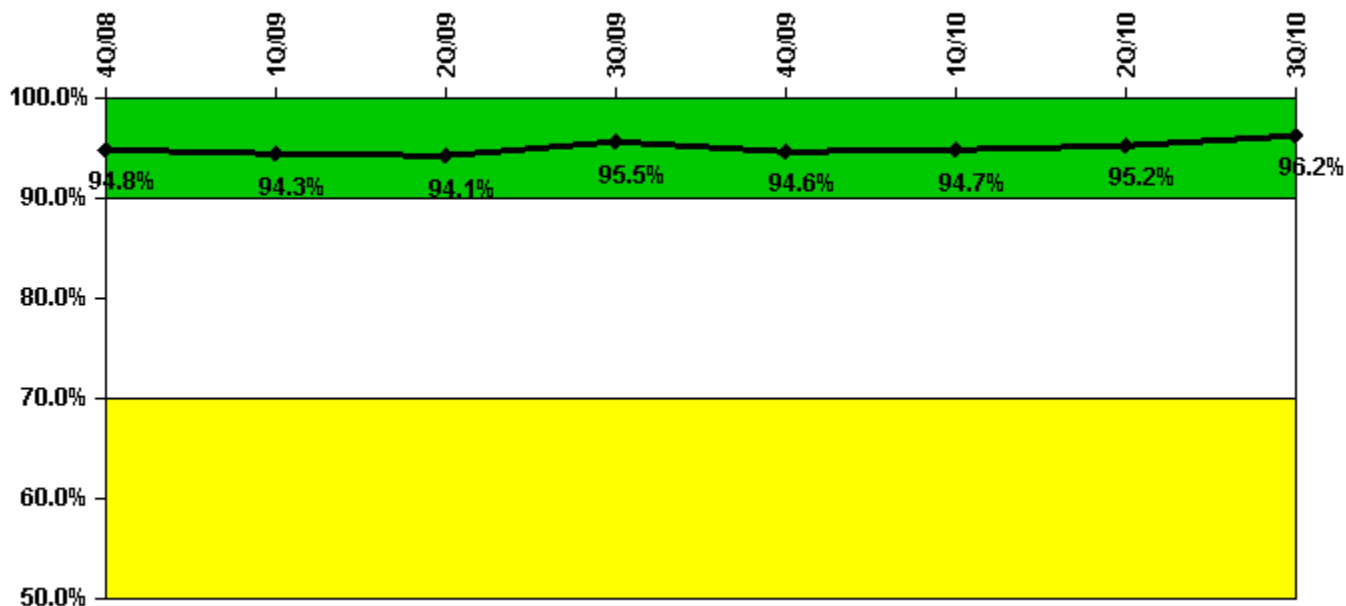
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0.085	0.107	0.075	0.083	0	0.053	0.039	0.036	0.076	0.068	0.056	0.062
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	0.9	1.1	0.8	0.8	0	0.5	0.4	0.4	0.8	0.7	0.6	0.6
Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	0.075	0.062	0.053	0.054	0.044	0.106	0.095	0.093	0.085	0.129	0.175	0.458
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	0.6	0.5	0.5	0.4	1.1	1.0	0.9	0.9	1.3	1.8	4.6

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

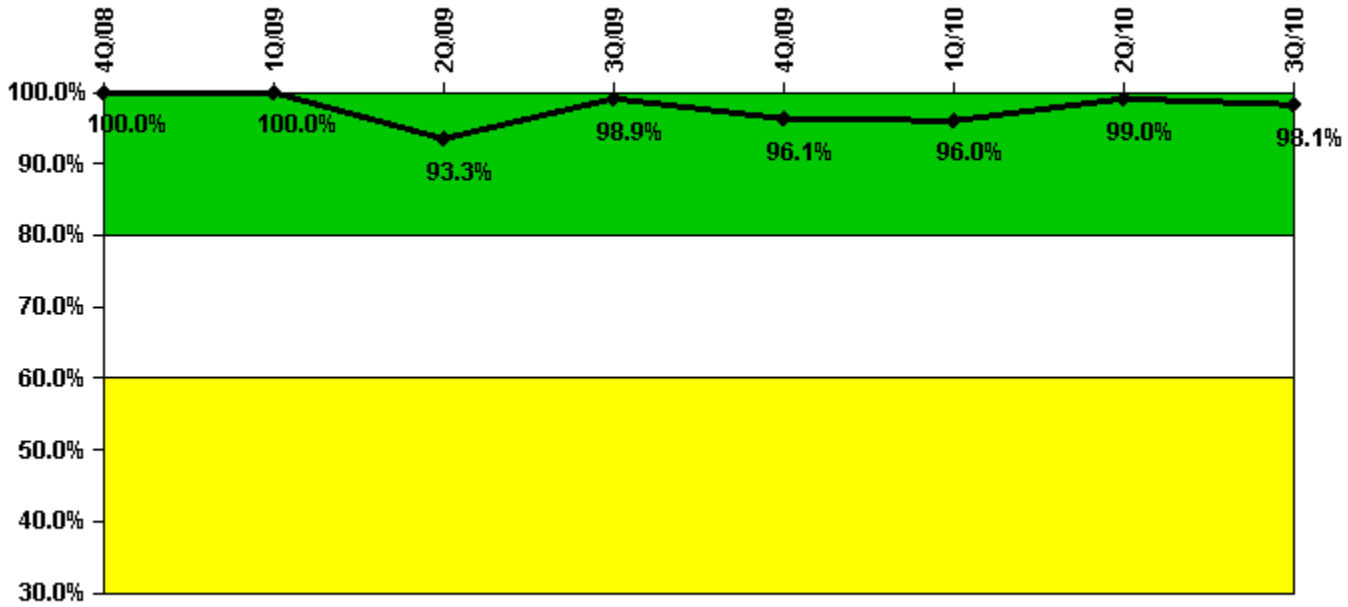
Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	47.0	13.0	53.0	61.0	40.0	35.0	59.0	24.0
Total opportunities	52.0	14.0	55.0	62.0	41.0	37.0	60.0	24.0
Indicator value	94.8%	94.3%	94.1%	95.5%	94.6%	94.7%	95.2%	96.2%

Licensee Comments:

3Q/10: 1Q2010 data was amended to add two successful drill opportunities in response to an NRC inspection, with no affect on color.

ERO Drill Participation



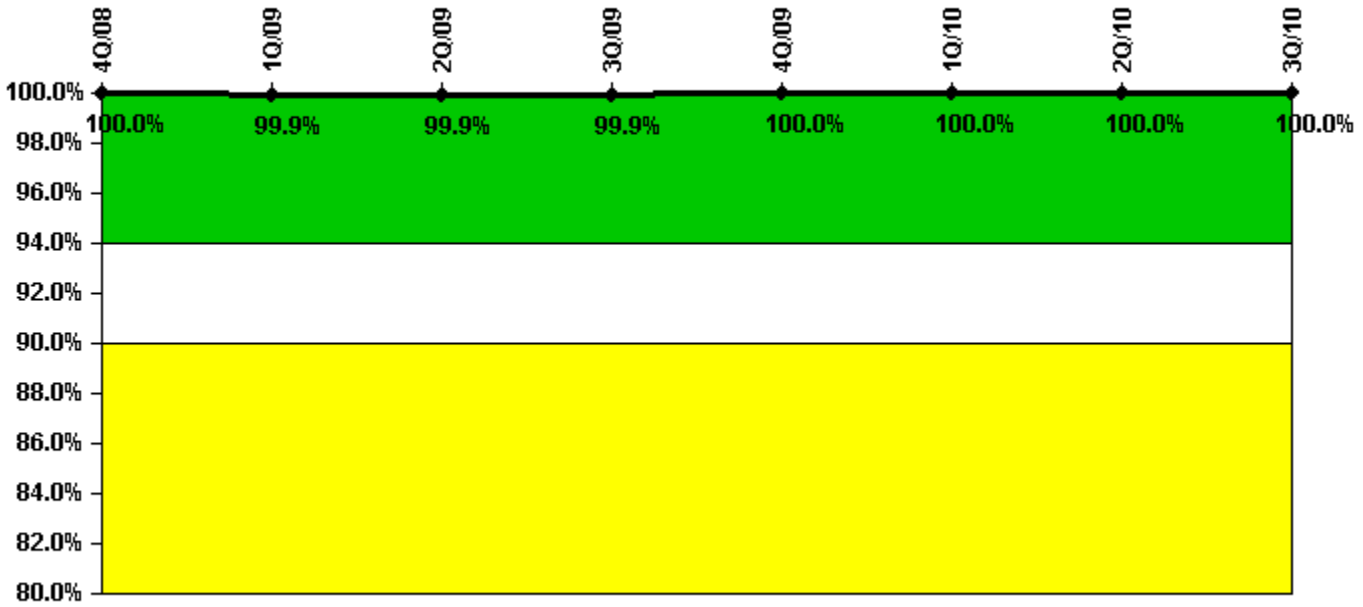
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	79.0	70.0	83.0	92.0	98.0	97.0	102.0	104.0
Total Key personnel	79.0	70.0	89.0	93.0	102.0	101.0	103.0	106.0
Indicator value	100.0%	100.0%	93.3%	98.9%	96.1%	96.0%	99.0%	98.1%

Licensee Comments: none

Alert & Notification System



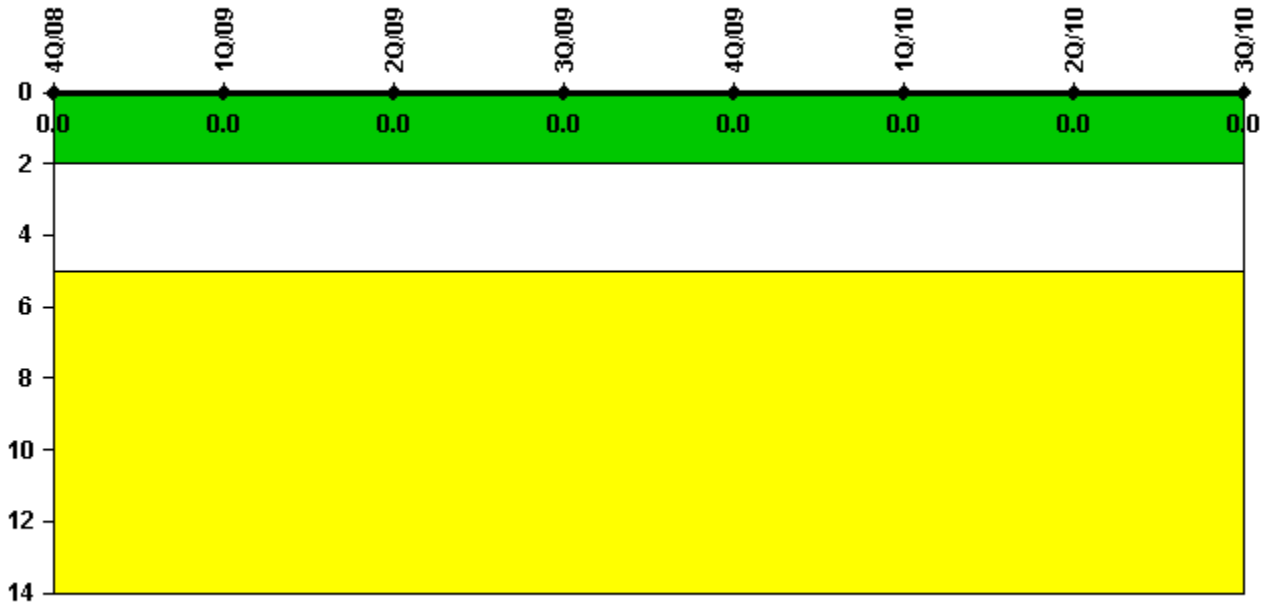
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	1047	1047	916	1310	916	1048	917	1310
Total sirens-tests	1048	1048	917	1310	916	1048	917	1310
Indicator value	100.0%	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



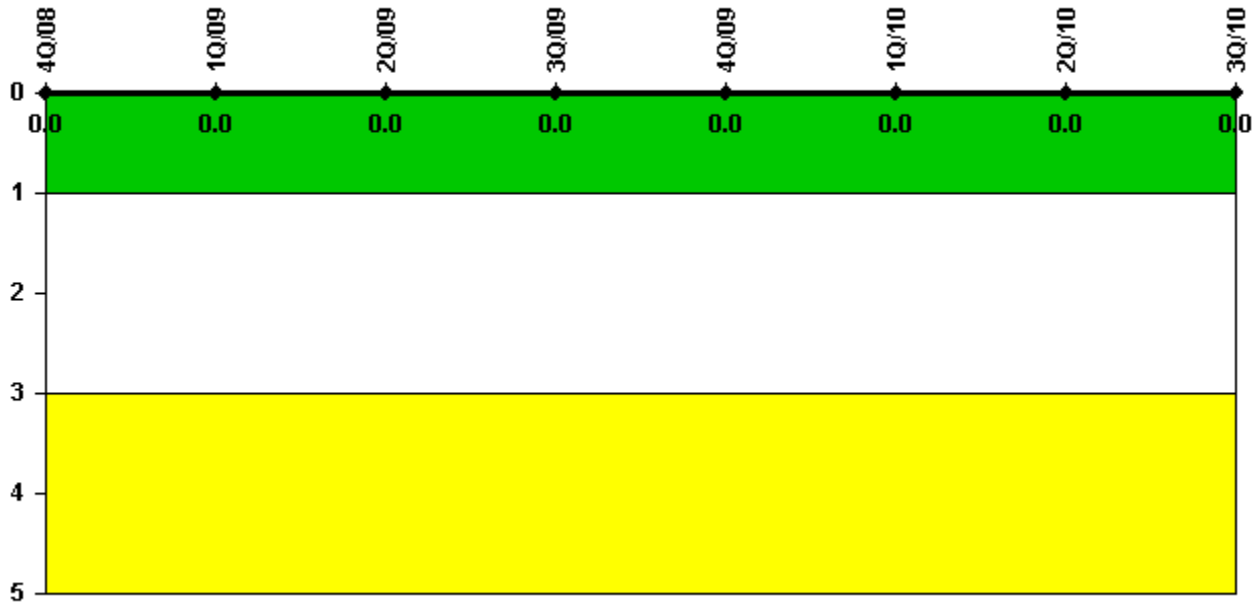
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/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

[Security](#) information not publicly available.

Diablo Canyon 1

4Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



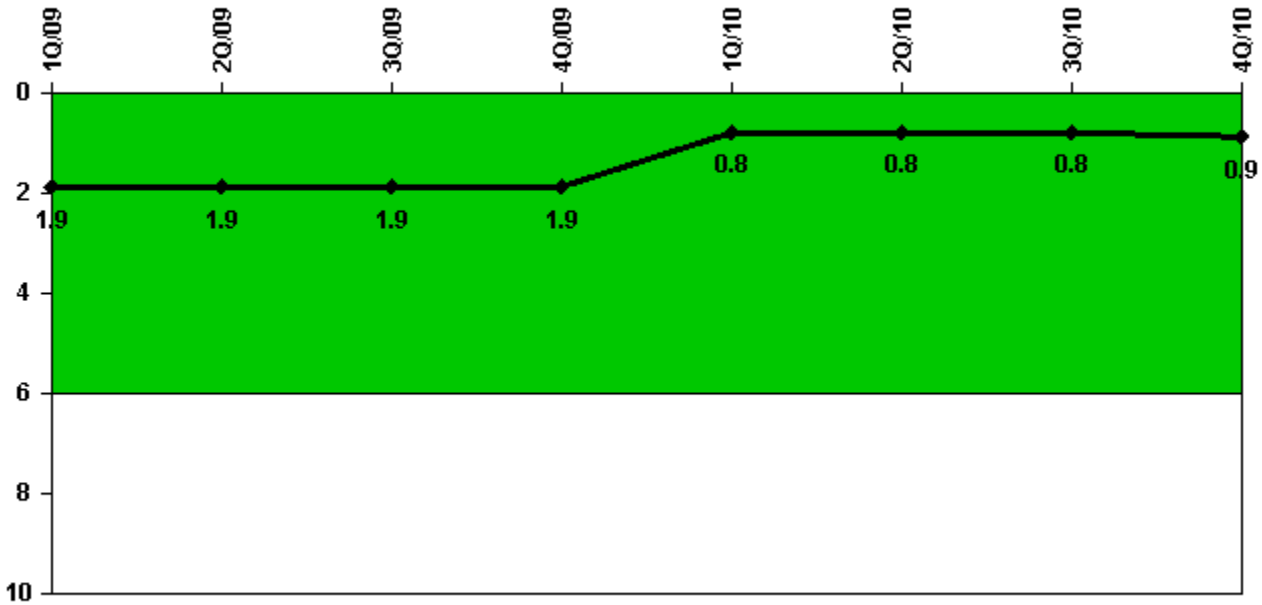
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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

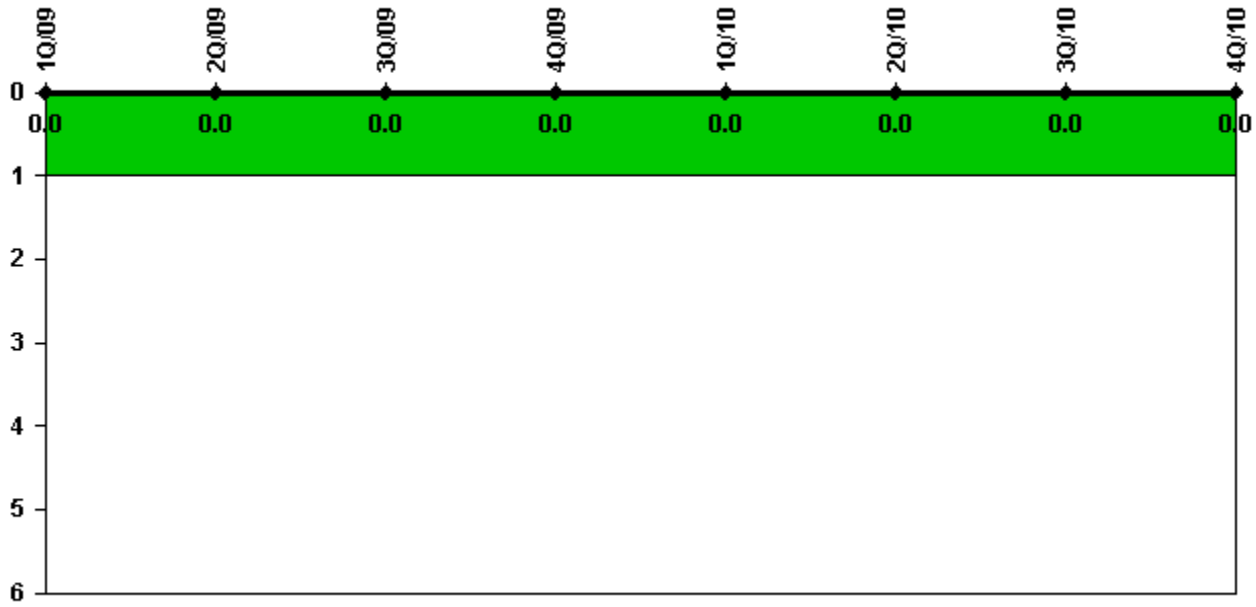
Notes

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



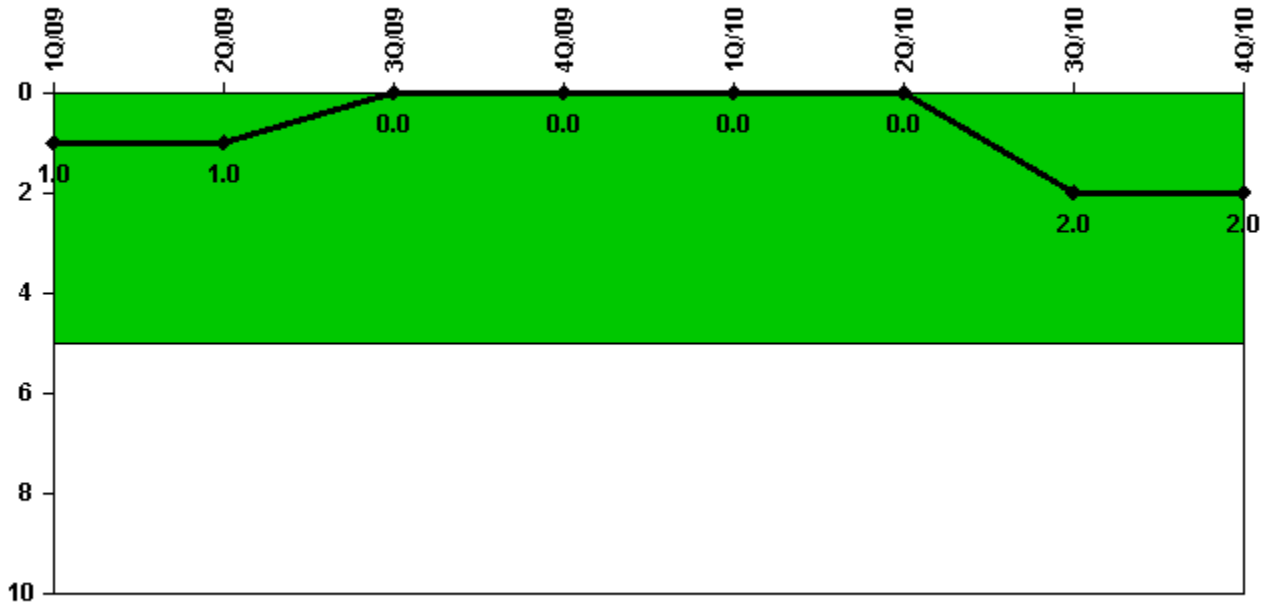
Thresholds: White > 1.0

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



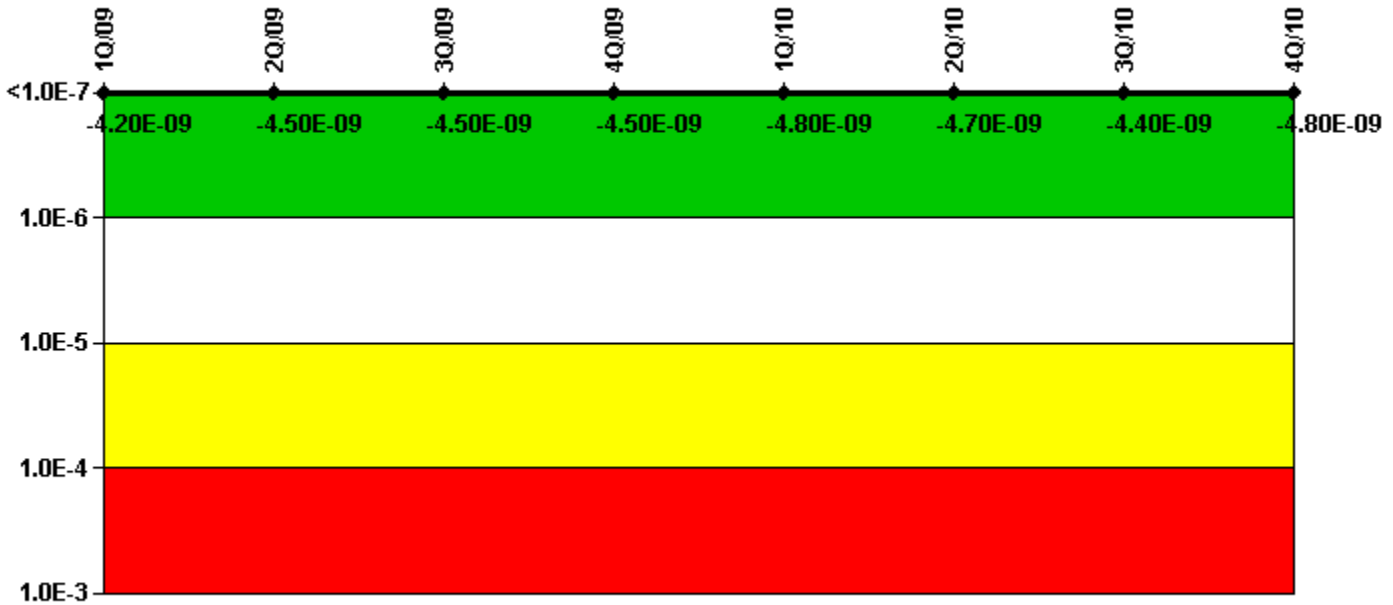
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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



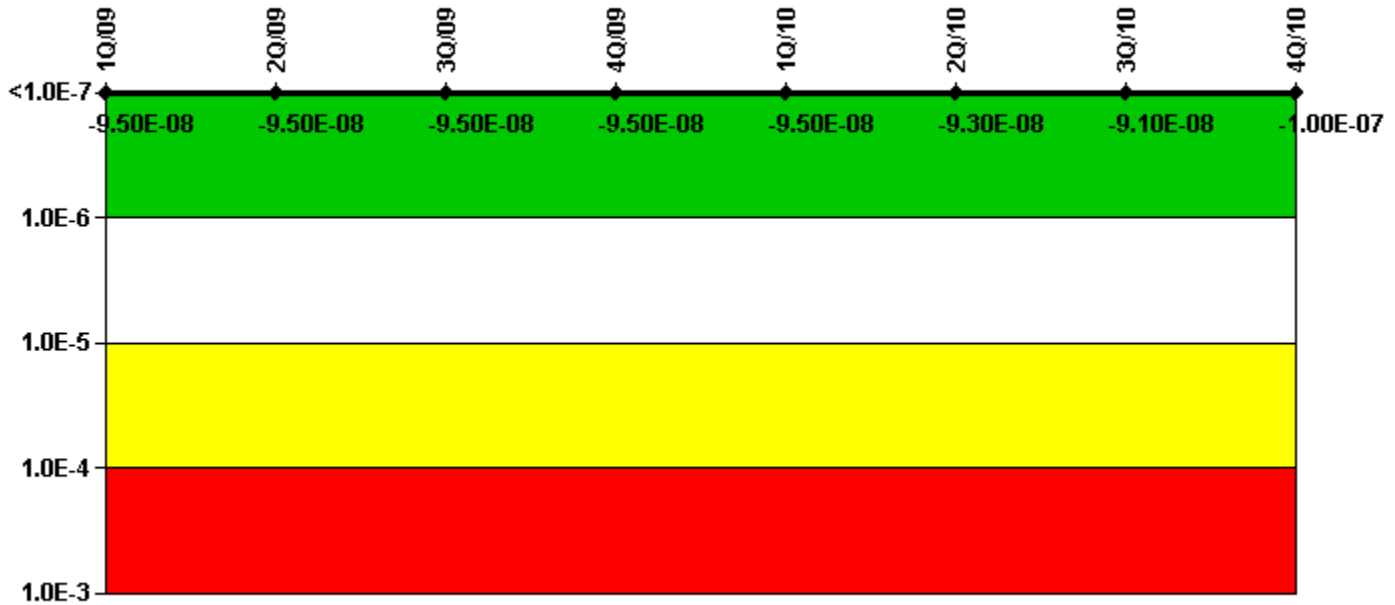
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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



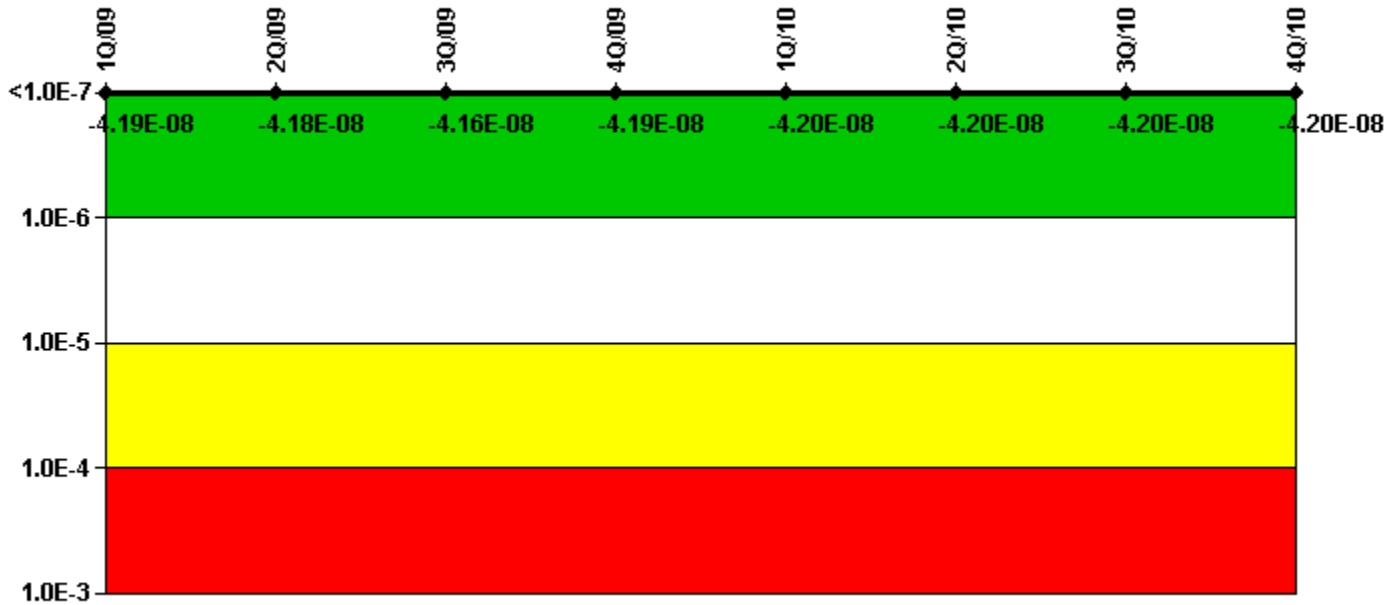
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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



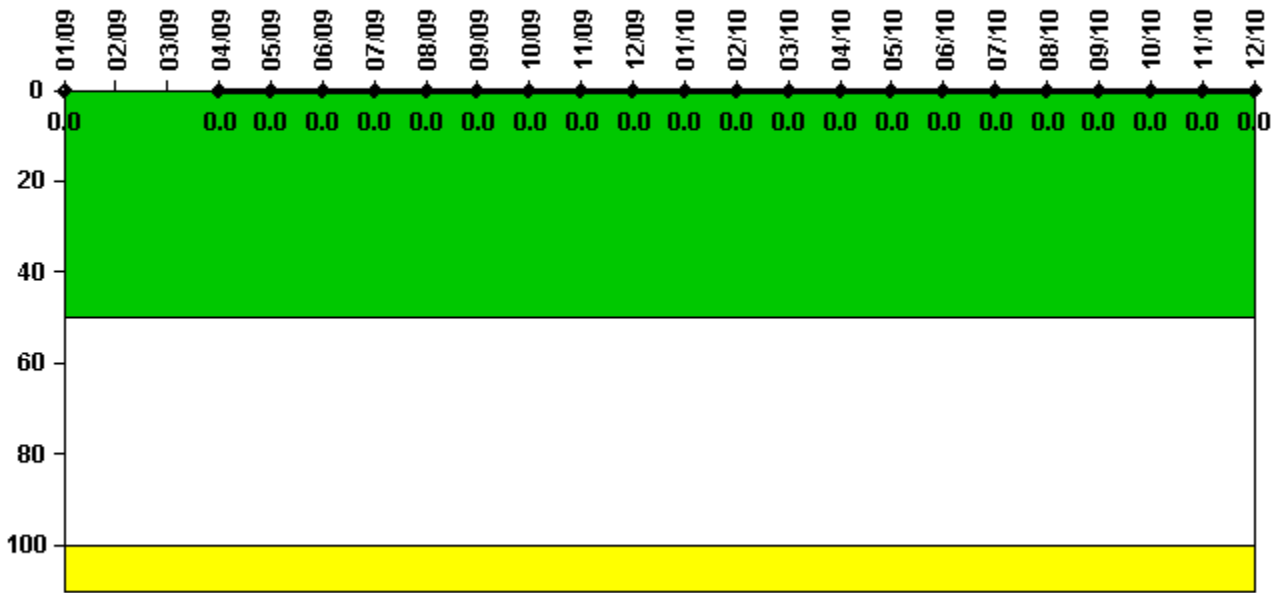
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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

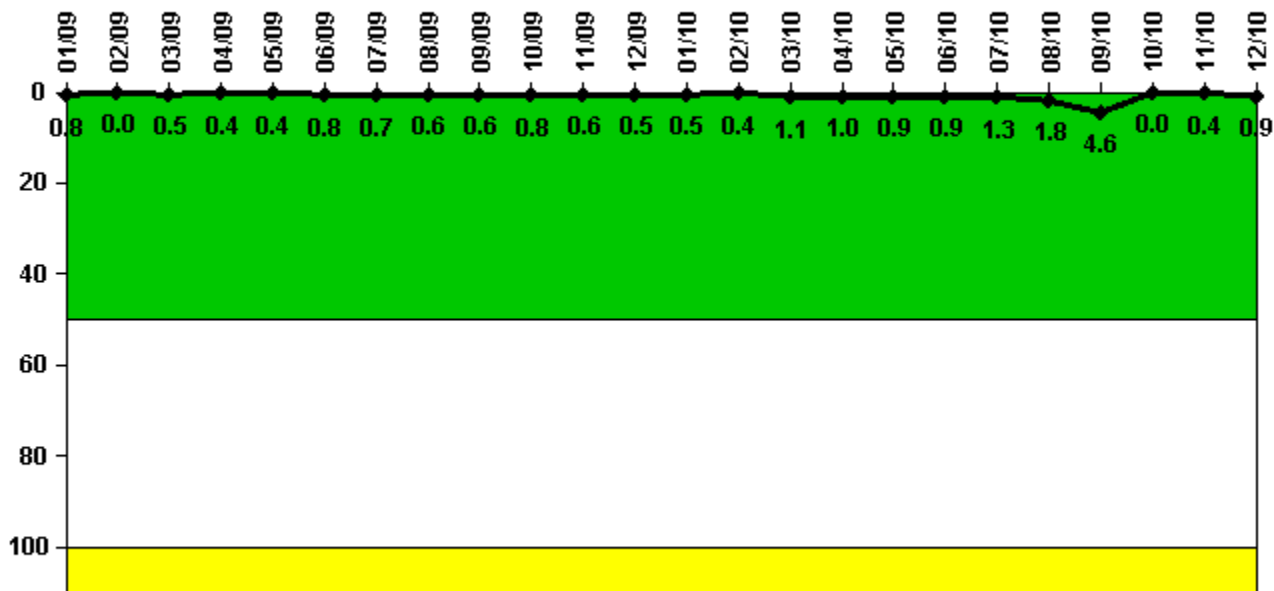
Notes

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



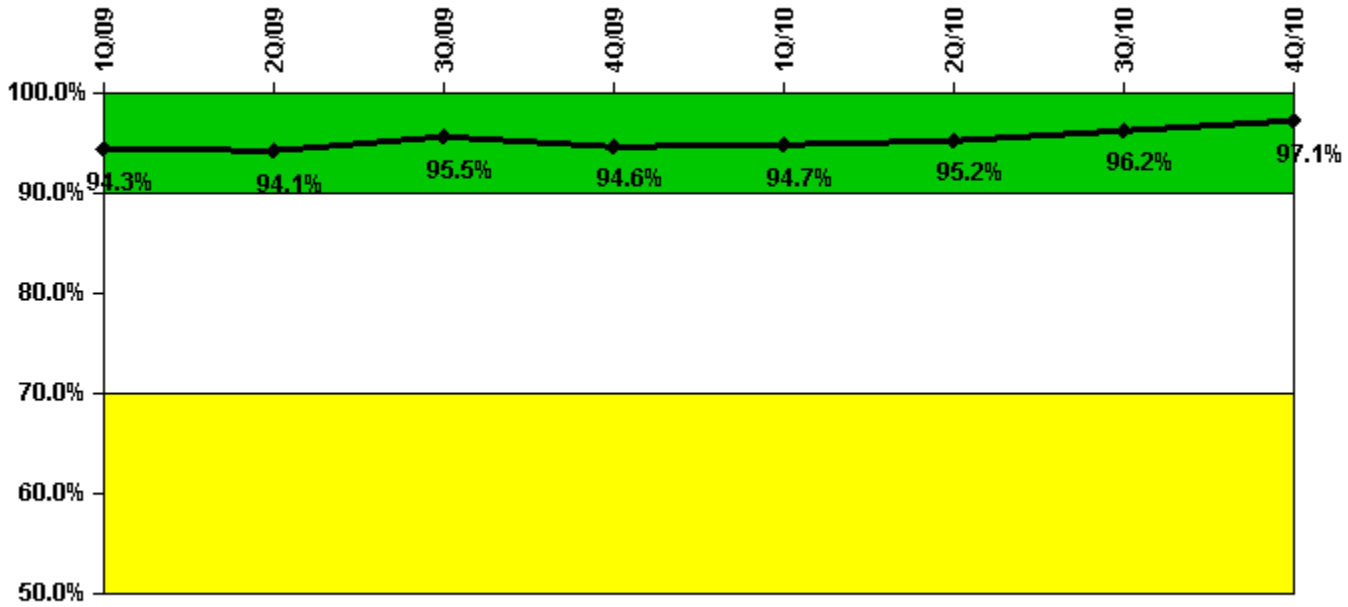
Thresholds: White > 50.0 Yellow > 100.0

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



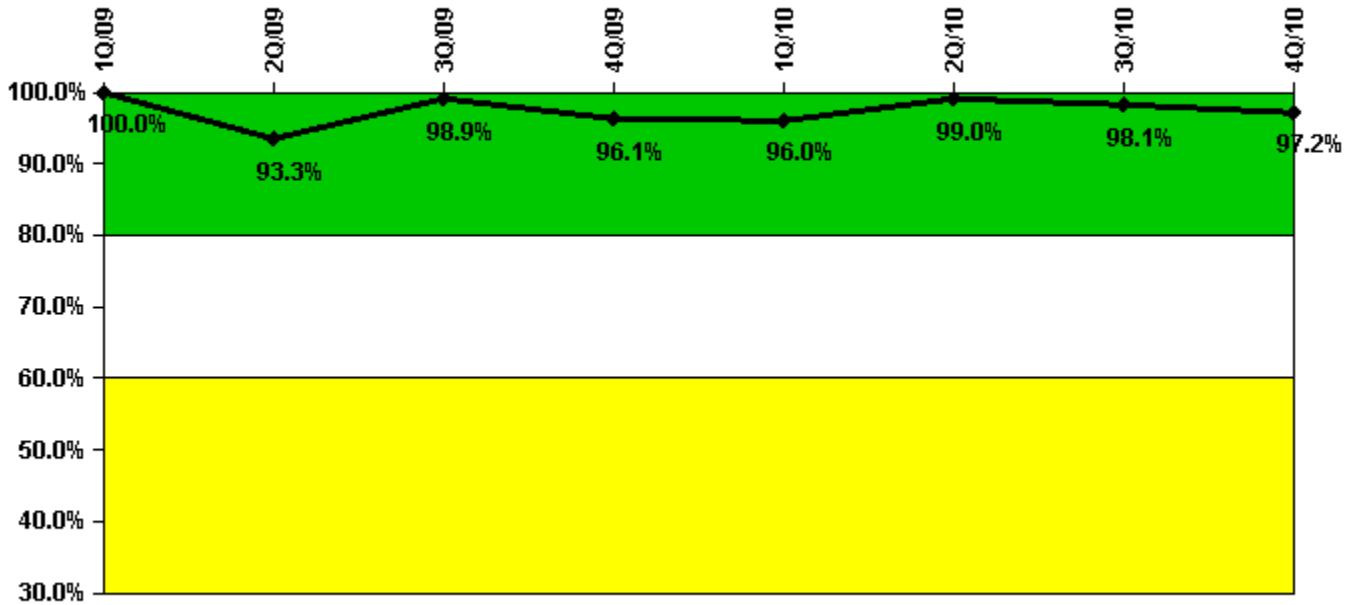
Thresholds: White < 90.0% Yellow < 70.0%

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%

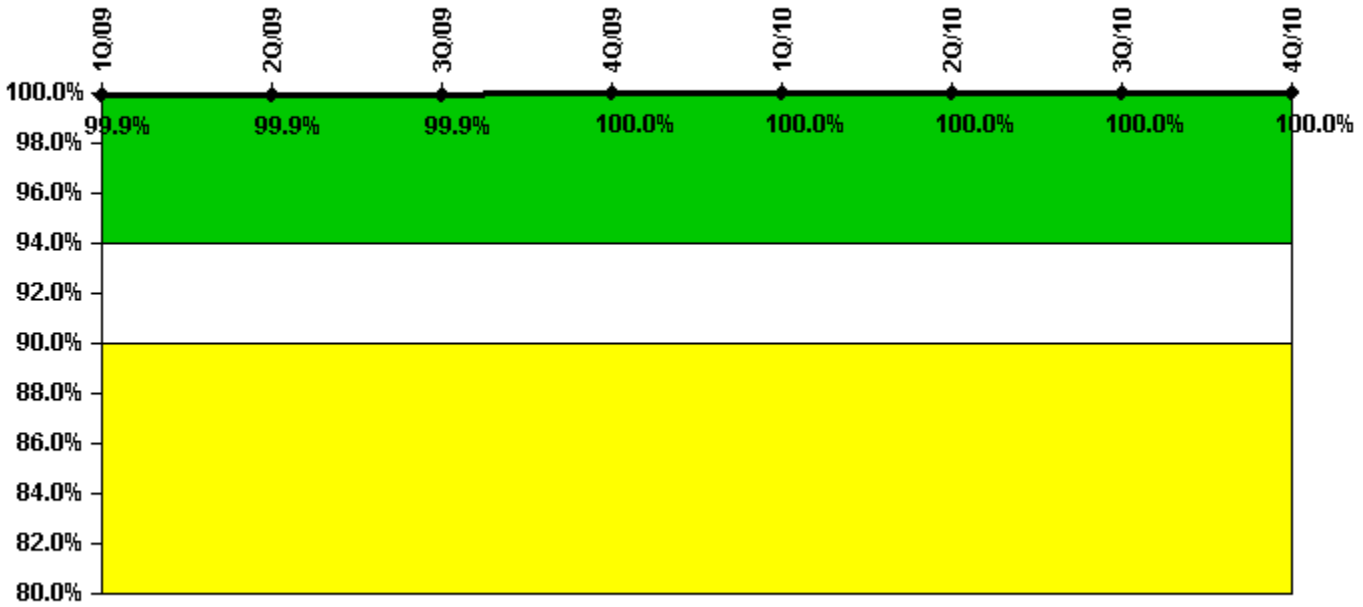
Notes

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



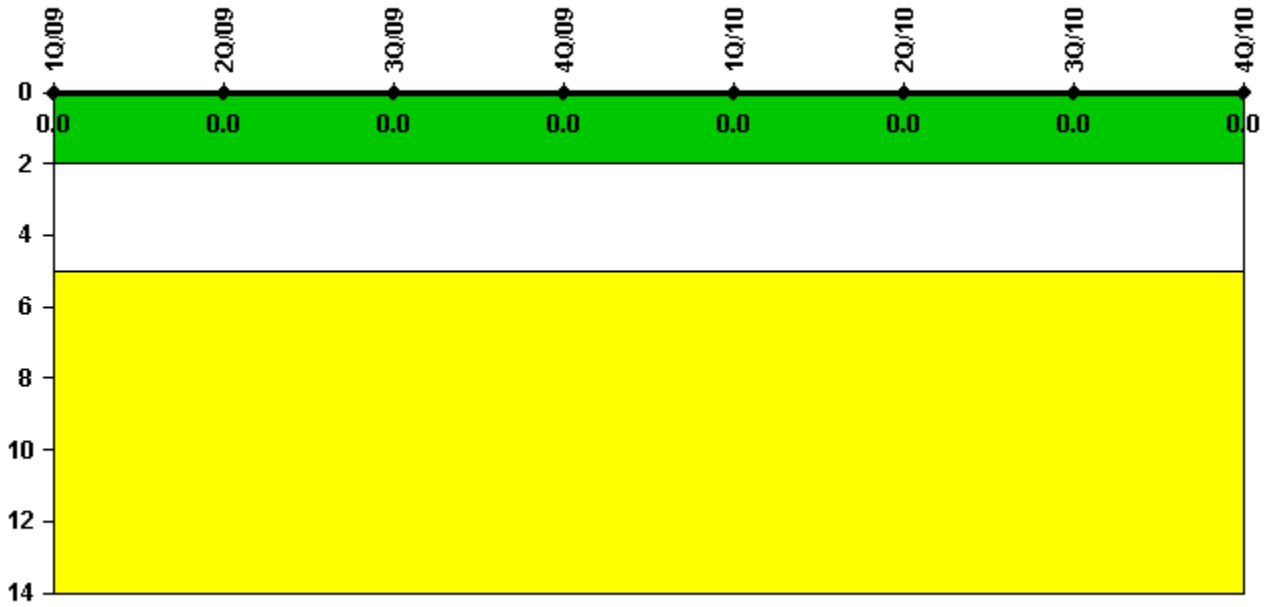
Thresholds: White < 94.0% Yellow < 90.0%

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



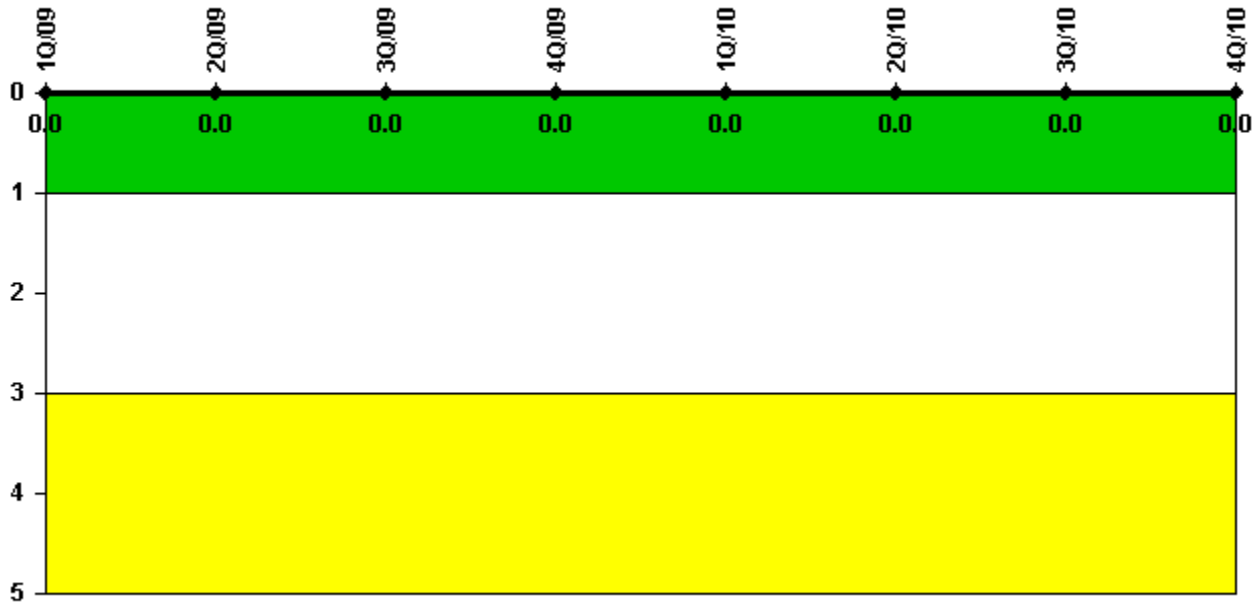
Thresholds: White > 2.0 Yellow > 5.0

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

[Security](#) information not publicly available.

Diablo Canyon 1

1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



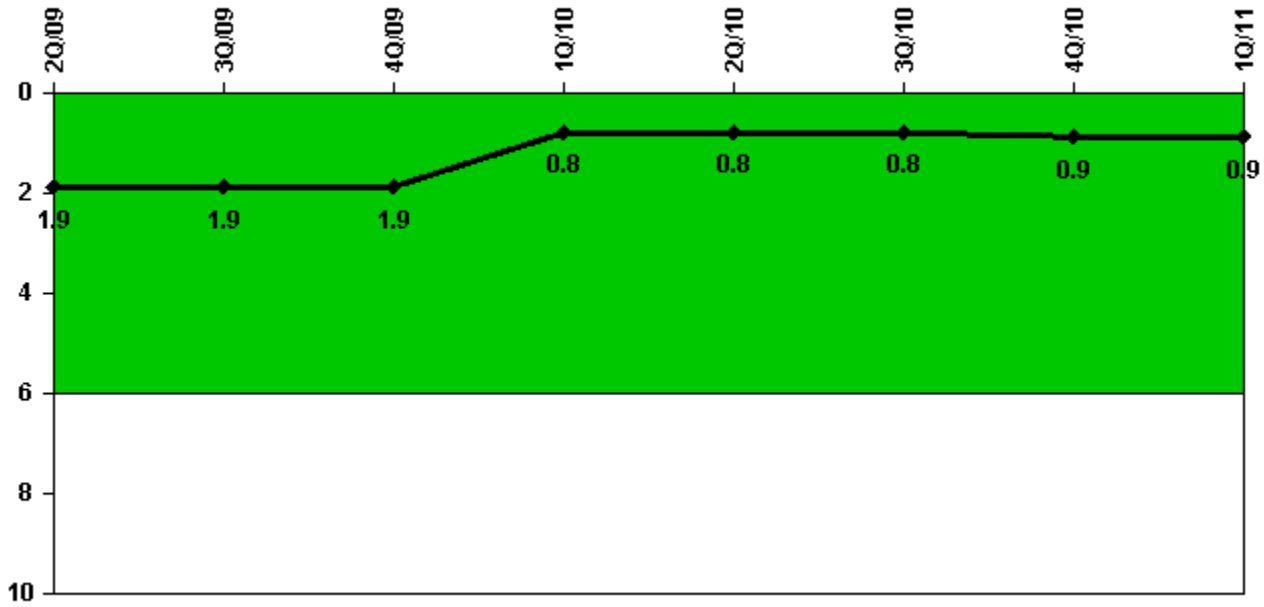
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2160.4	2209.0	2159.0	2184.0	2208.0	1282.4	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



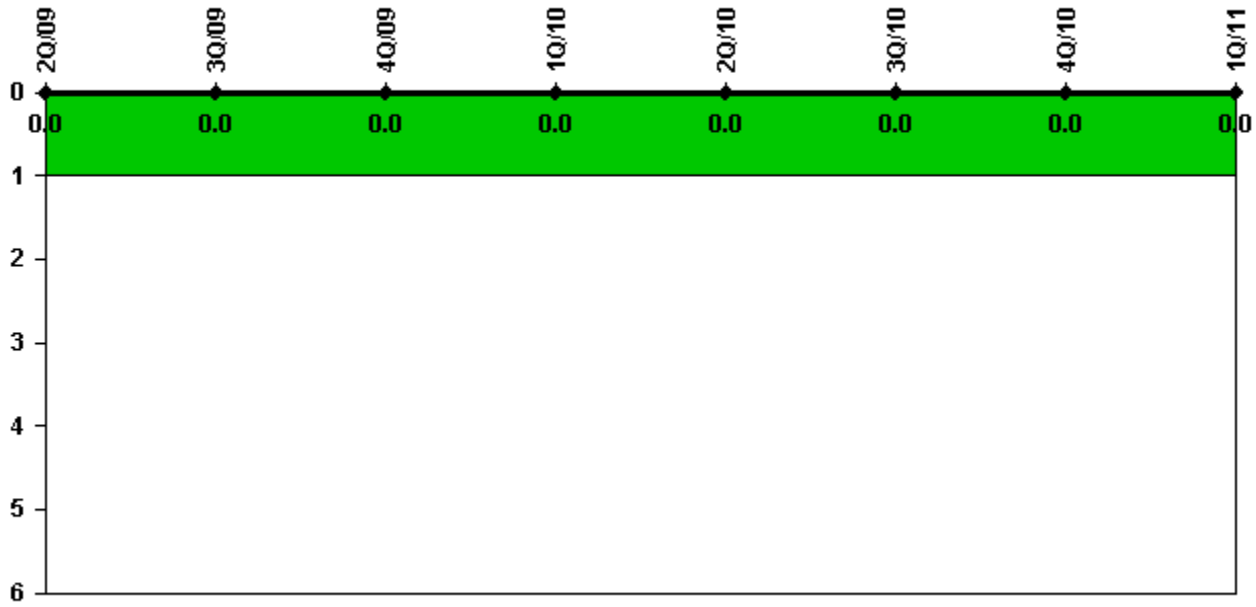
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	1.0	0	0	0	1.0	0
Critical hours	2184.0	2160.4	2209.0	2159.0	2184.0	2208.0	1282.4	2159.0
Indicator value	1.9	1.9	1.9	0.8	0.8	0.8	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



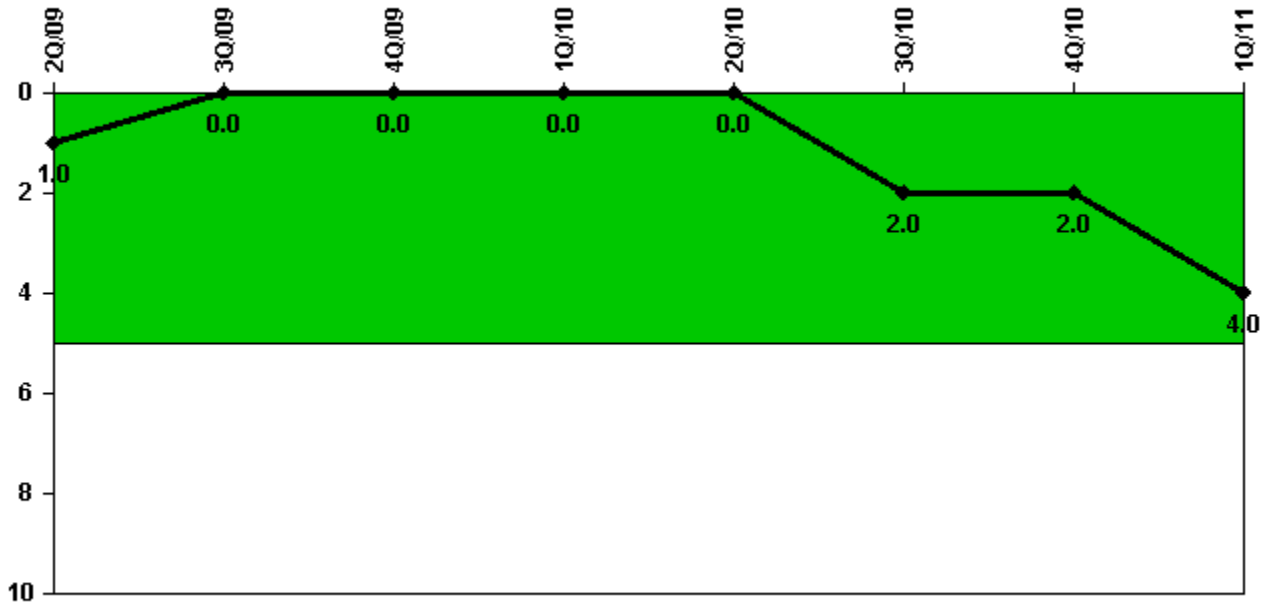
Thresholds: White > 1.0

Notes

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



Thresholds: White > 5.0

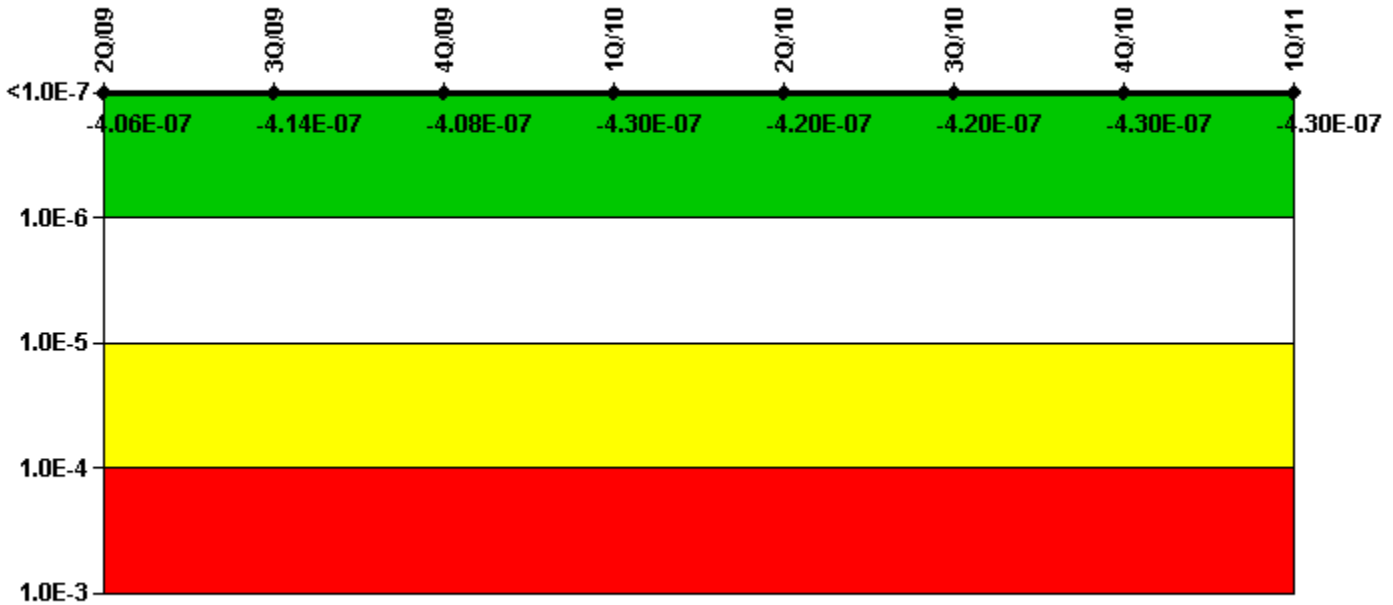
Notes

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

Licensee Comments:

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCP Unit 1. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

Mitigating Systems Performance Index, Emergency AC Power System



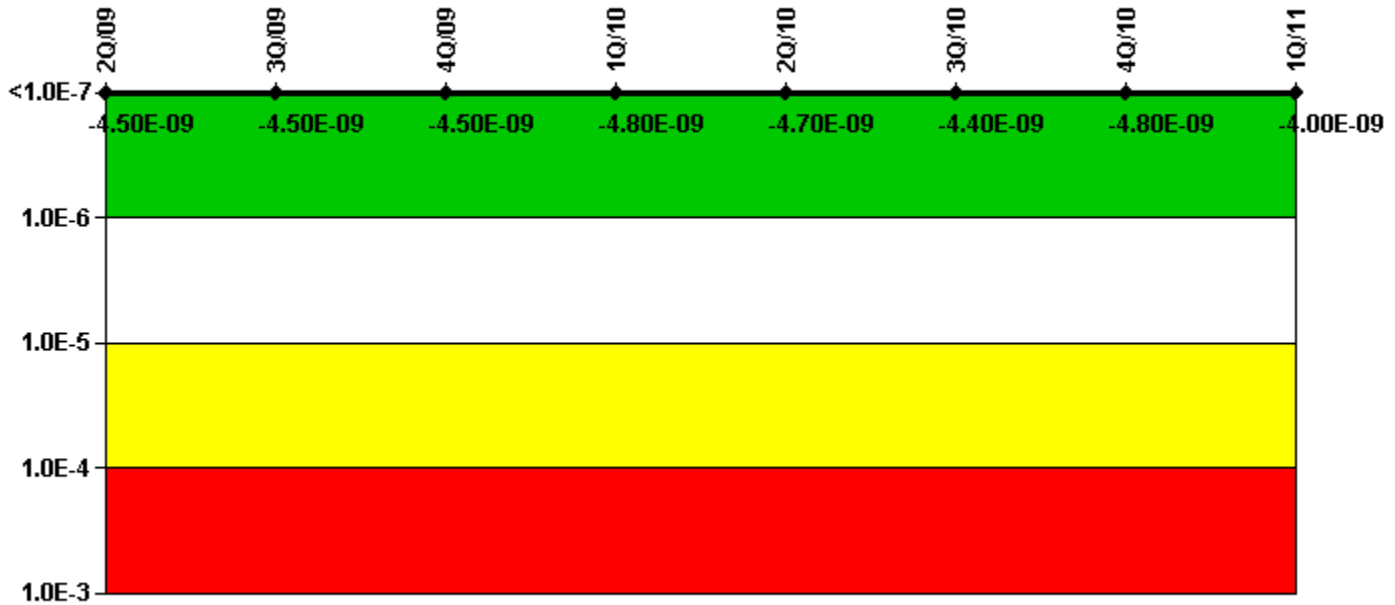
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	1.40E-08	6.00E-09	1.20E-08	-2.47E-09	-2.69E-09	-2.73E-09	-5.01E-09	-5.00E-09
URI (Δ CDF)	-4.20E-07	-4.20E-07	-4.20E-07	-4.24E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.06E-07	-4.14E-07	-4.08E-07	-4.30E-07	-4.20E-07	-4.20E-07	-4.30E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



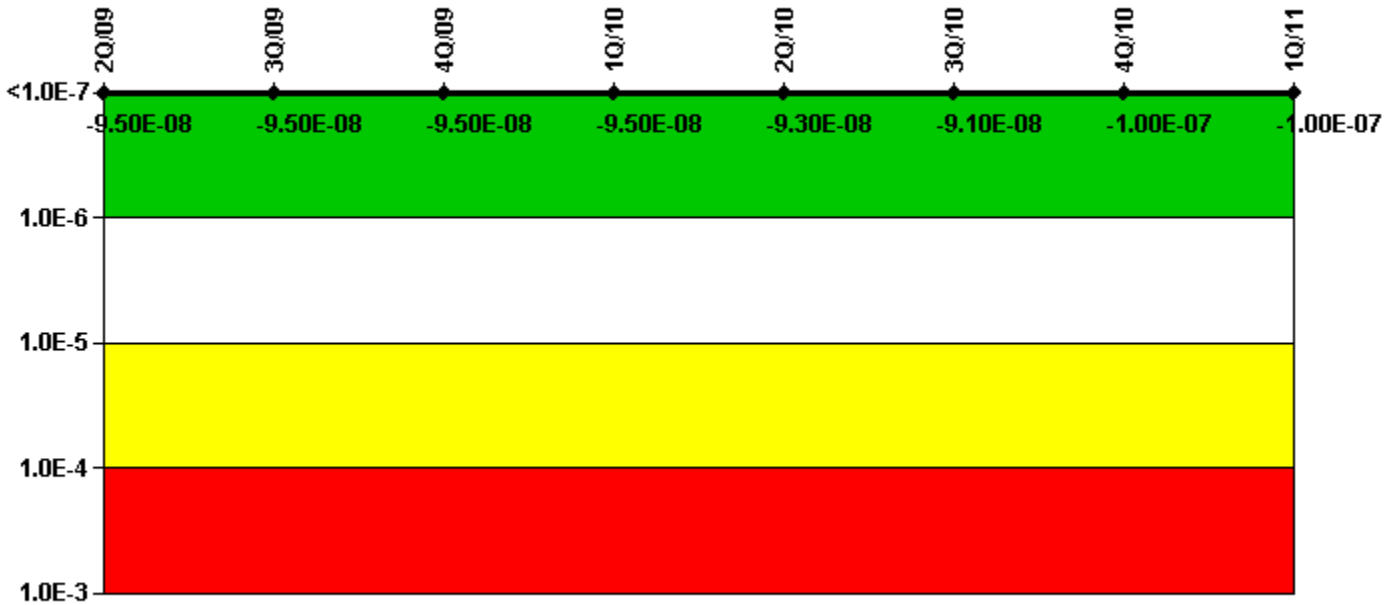
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-3.00E-09	-3.00E-09	-3.00E-09	-3.36E-09	-3.29E-09	-3.01E-09	-3.36E-09	-2.62E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.45E-09	-1.45E-09	-1.44E-09	-1.43E-09	-1.42E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-09	-4.50E-09	-4.50E-09	-4.80E-09	-4.70E-09	-4.40E-09	-4.80E-09	-4.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



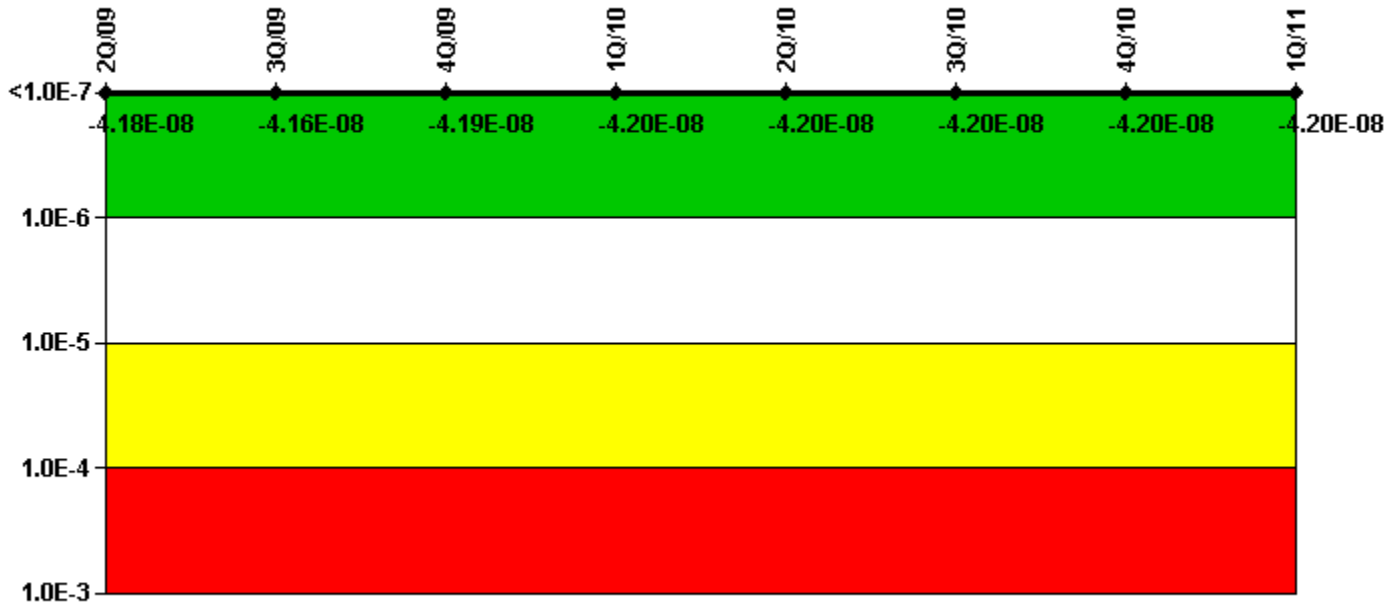
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.09E-08	-8.81E-09	-7.27E-09	-1.70E-08	-1.70E-08
URI (Δ CDF)	-8.40E-08	-8.40E-08	-8.40E-08	-8.37E-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	-9.30E-08	-9.10E-08	-1.00E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



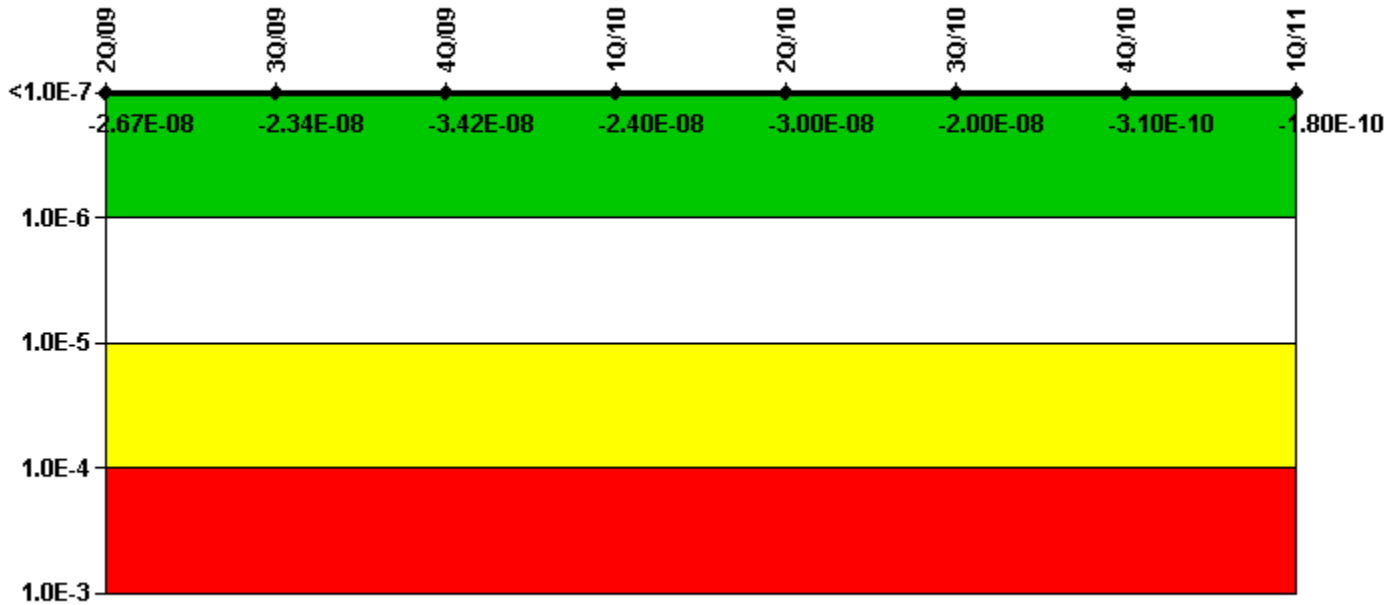
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-5.80E-09	-5.60E-09	-5.90E-09	-5.94E-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	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.18E-08	-4.16E-08	-4.19E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



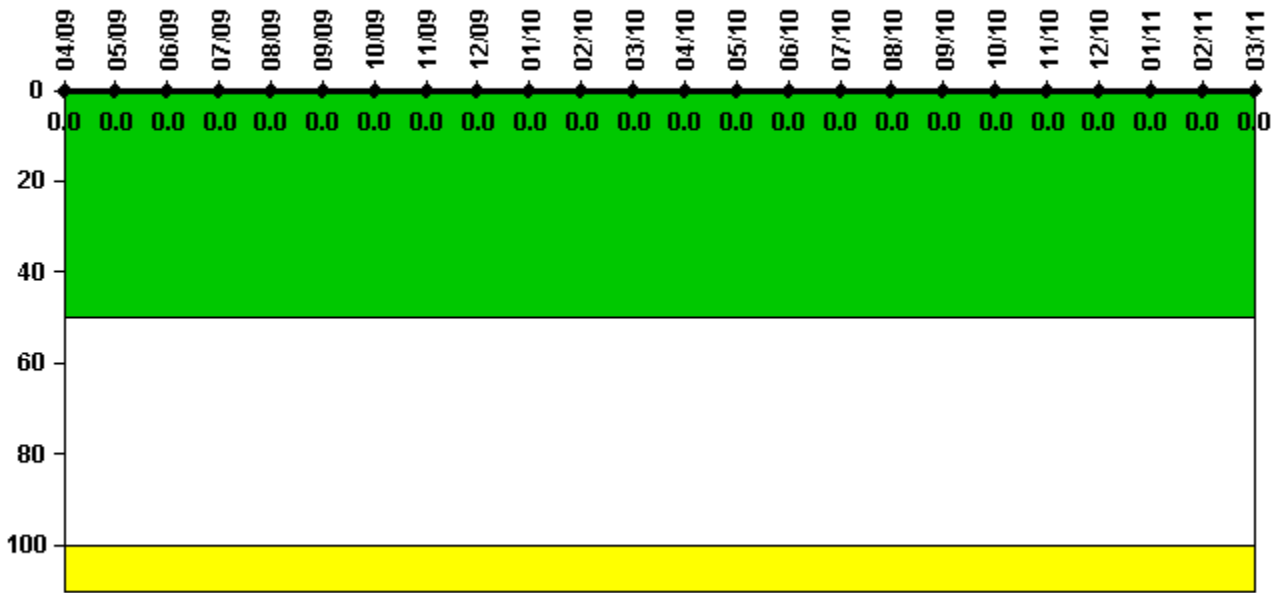
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-8.70E-09	3.60E-09	-7.20E-09	3.16E-09	-2.56E-09	6.81E-09	2.67E-08	2.68E-08
URI (Δ CDF)	-1.80E-08	-2.70E-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	-2.67E-08	-2.34E-08	-3.42E-08	-2.40E-08	-3.00E-08	-2.00E-08	-3.10E-10	-1.80E-10

Licensee Comments: none

Reactor Coolant System Activity



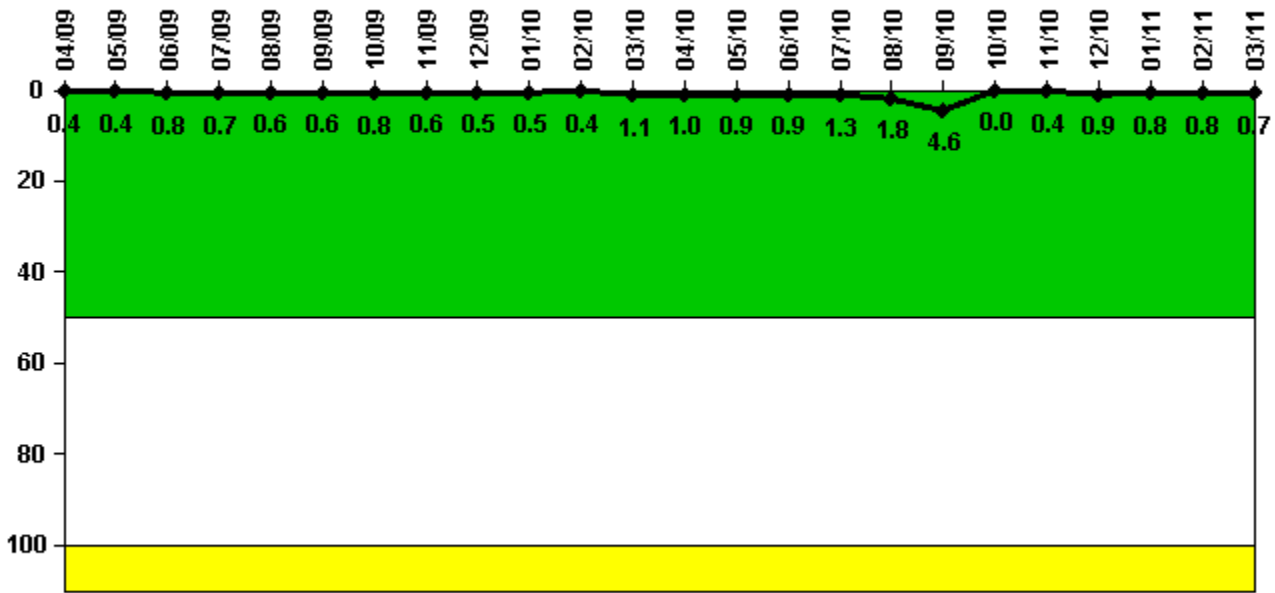
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.000069	0.000082	0.000088	0.000085	0.000089	0.000105	0.000109	0.000105	0.000173	0.000106	0.000112	0.000122
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
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	0.000123	0.000223	0.000192	0.000146	0.000131	0.000117	0.000089	0.000065	0.000070	0.000085	0.000071	0.000085
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



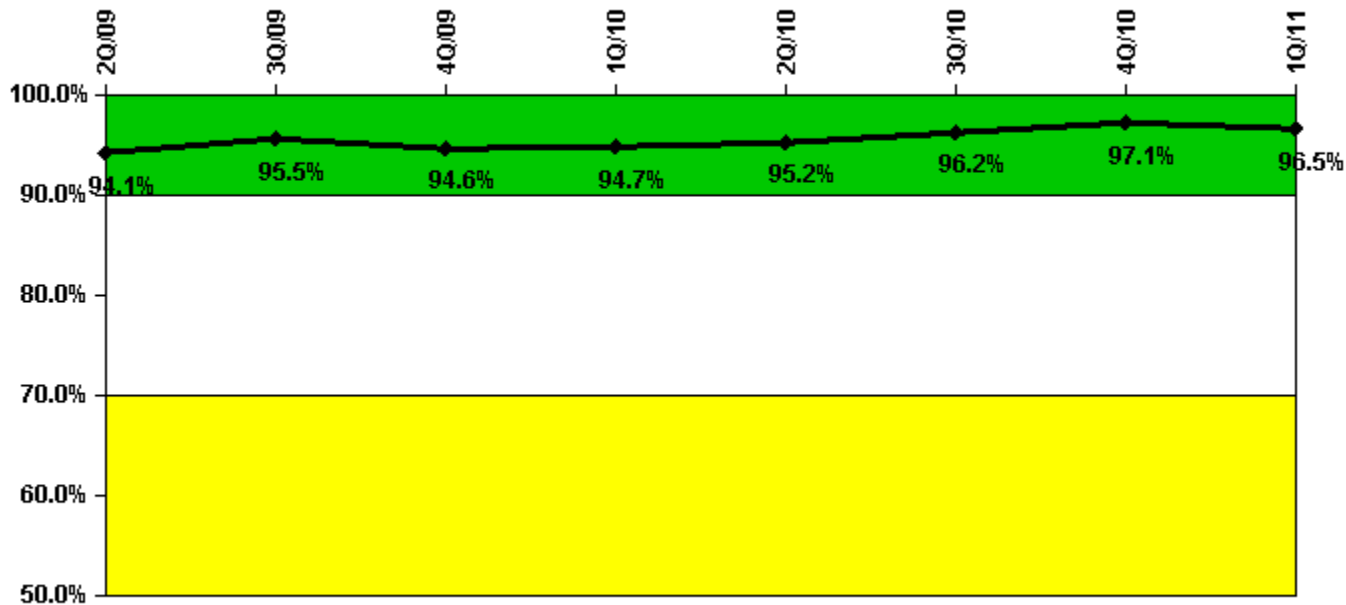
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.039	0.036	0.076	0.068	0.056	0.062	0.075	0.062	0.053	0.054	0.044	0.106
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	0.4	0.4	0.8	0.7	0.6	0.6	0.8	0.6	0.5	0.5	0.4	1.1
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	0.095	0.093	0.085	0.129	0.175	0.458	0	0.042	0.093	0.075	0.078	0.069
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	1.0	0.9	0.9	1.3	1.8	4.6	0	0.4	0.9	0.8	0.8	0.7

Licensee Comments: none

Drill/Exercise Performance



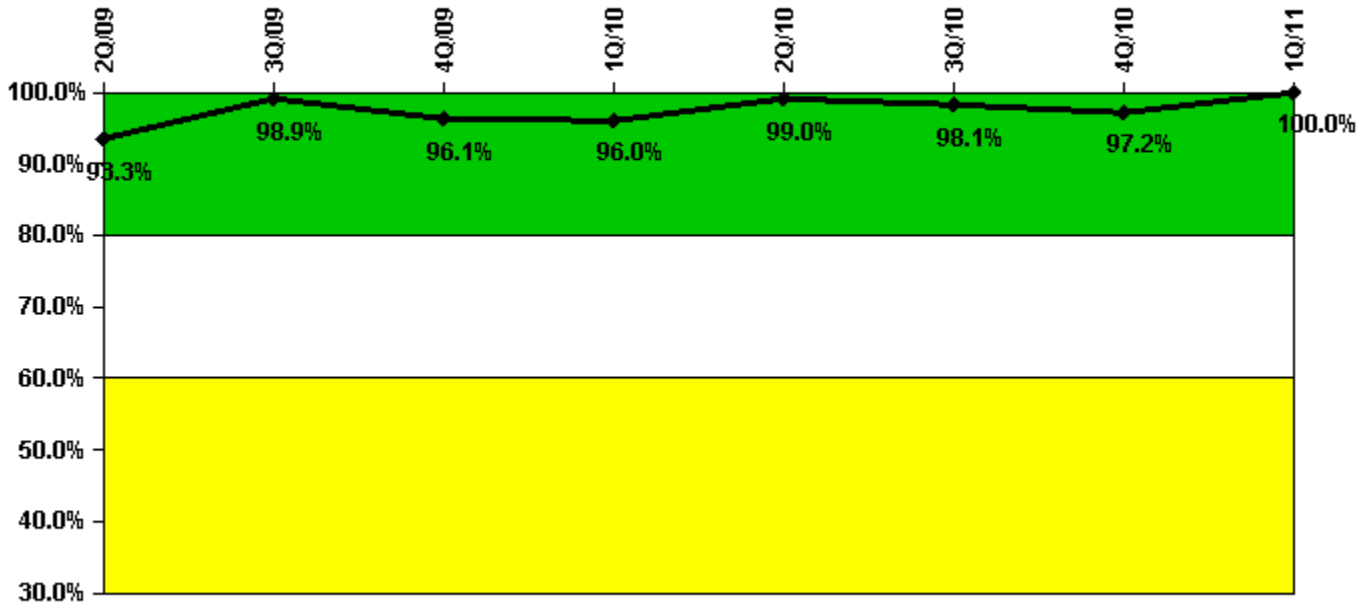
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	53.0	61.0	40.0	35.0	59.0	24.0	16.0	45.0
Total opportunities	55.0	62.0	41.0	37.0	60.0	24.0	17.0	49.0
Indicator value	94.1%	95.5%	94.6%	94.7%	95.2%	96.2%	97.1%	96.5%

Licensee Comments: none

ERO Drill Participation



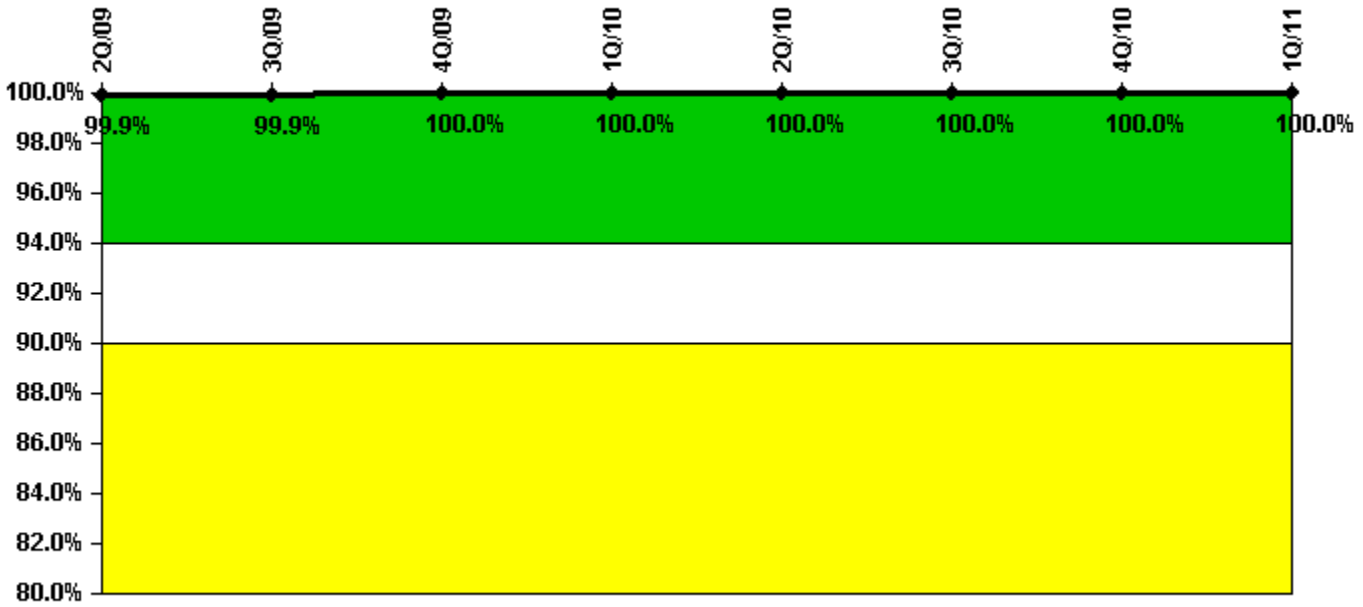
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	83.0	92.0	98.0	97.0	102.0	101.0	104.0	107.0
Total Key personnel	89.0	93.0	102.0	101.0	103.0	103.0	107.0	107.0
Indicator value	93.3%	98.9%	96.1%	96.0%	99.0%	98.1%	97.2%	100.0%

Licensee Comments: none

Alert & Notification System



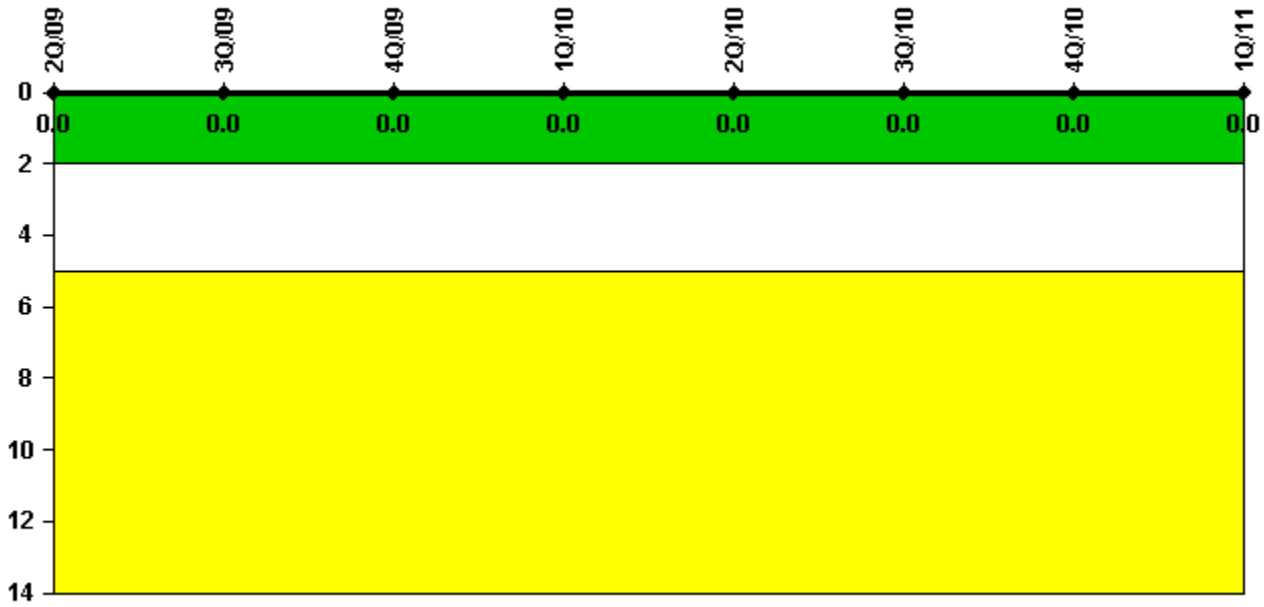
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	916	1310	916	1048	917	1310	917	1048
Total sirens-tests	917	1310	916	1048	917	1310	917	1048
Indicator value	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



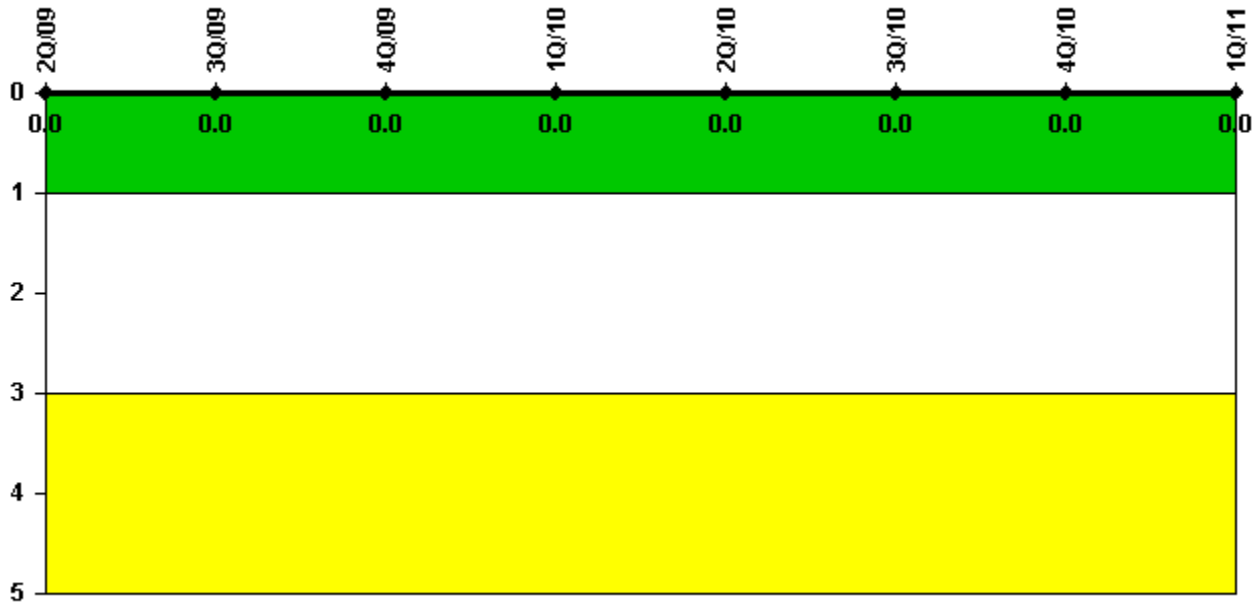
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/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.

Diablo Canyon 1

2Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



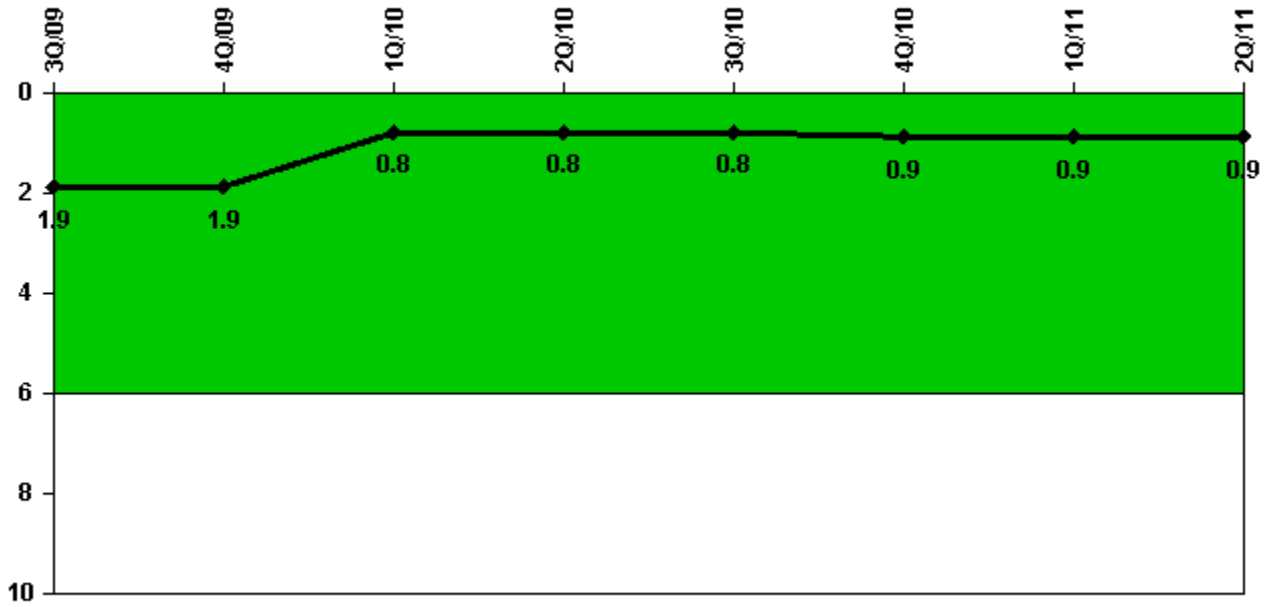
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.4	2209.0	2159.0	2184.0	2208.0	1282.4	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



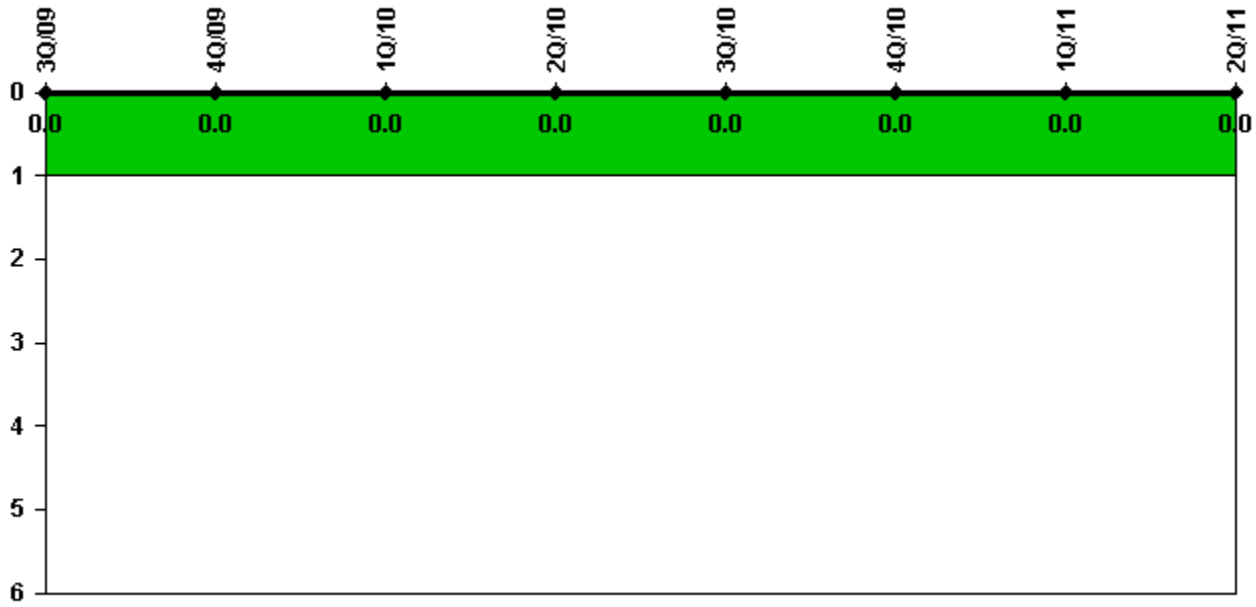
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	1.0	0	0	0	1.0	0	0
Critical hours	2160.4	2209.0	2159.0	2184.0	2208.0	1282.4	2159.0	2184.0
Indicator value	1.9	1.9	0.8	0.8	0.8	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



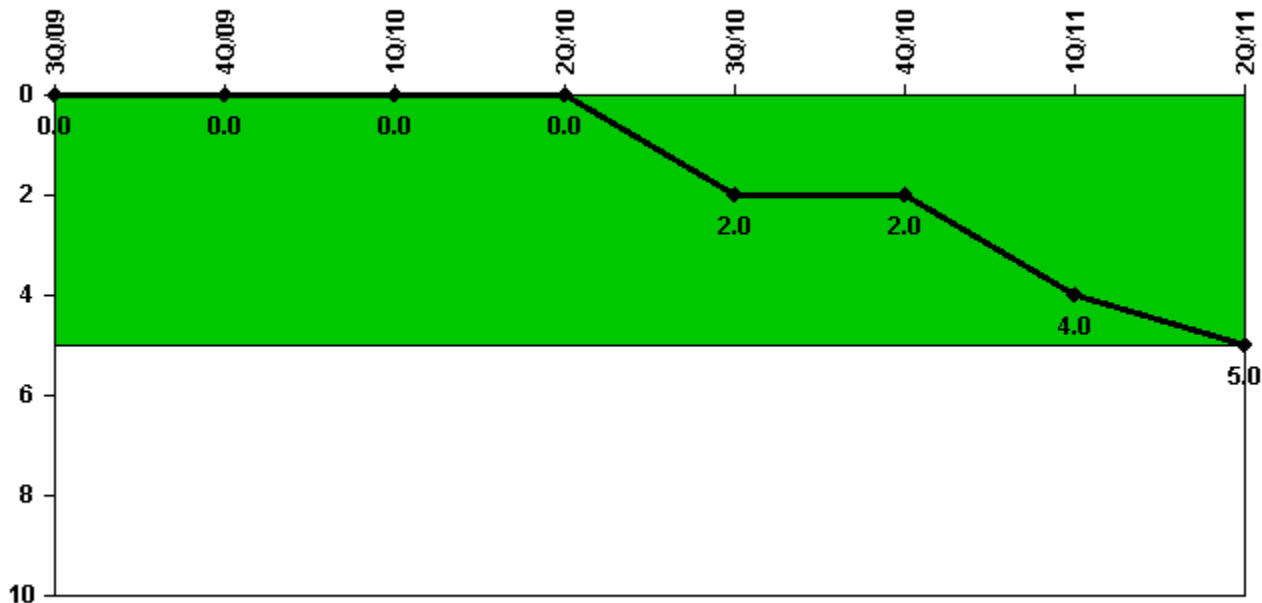
Thresholds: White > 1.0

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 (PWR)



Thresholds: White > 5.0

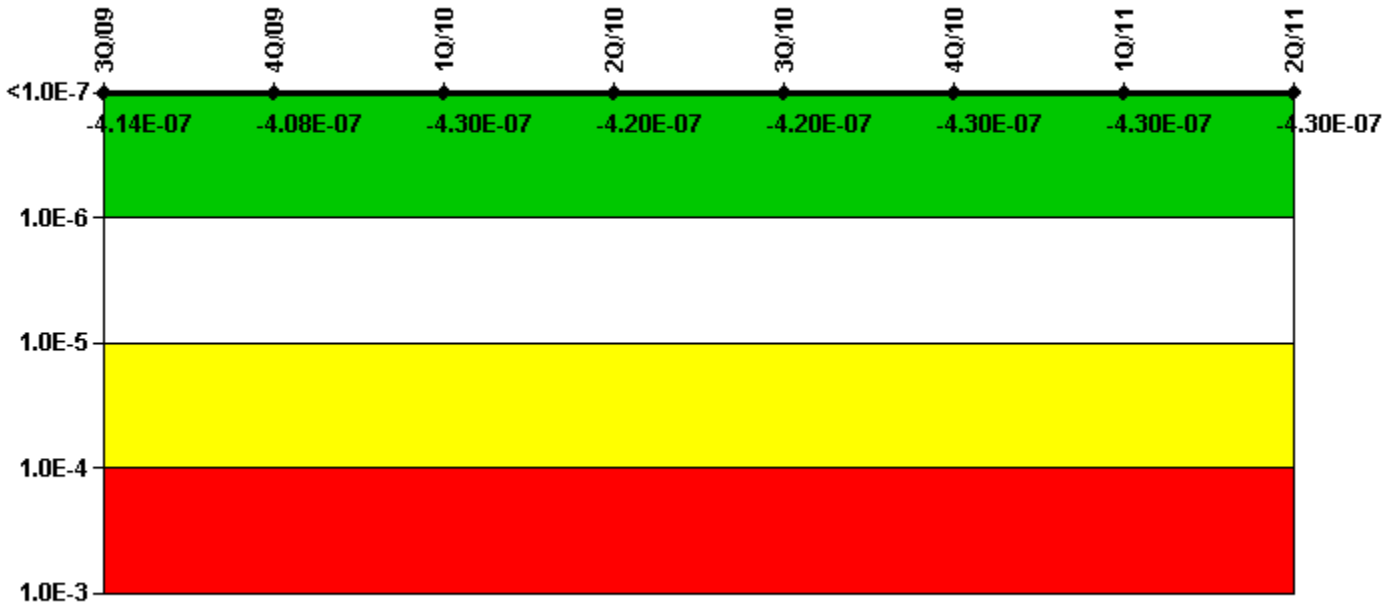
Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	0	0	2	0	2	1
Indicator value	0	0	0	0	2	2	4	5

Licensee Comments:

2Q/11: LER 1-2011-004-00, "Emergency Diesel Generators Actuated Upon 230 kV Isolation Due to Maintenance Activities on Relay Panel" was sent on June 30, 2011.

Mitigating Systems Performance Index, Emergency AC Power System



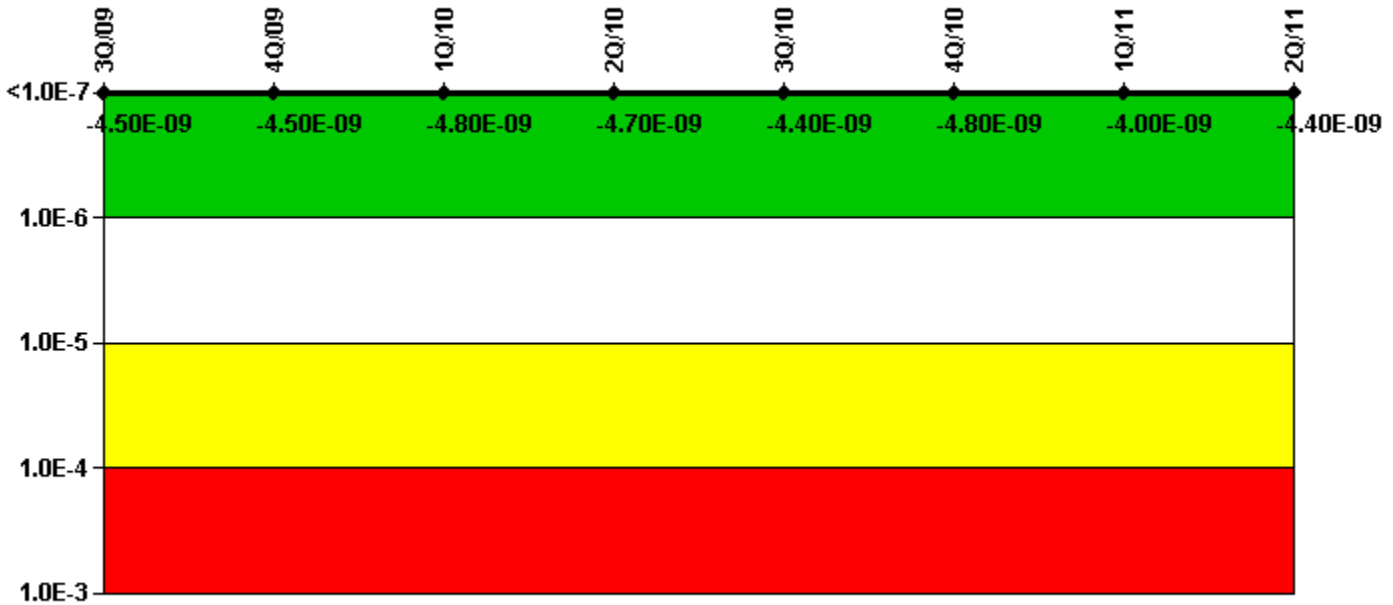
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	6.00E-09	1.20E-08	-2.47E-09	-2.69E-09	-2.73E-09	-5.01E-09	-5.00E-09	-5.00E-09
URI (Δ CDF)	-4.20E-07	-4.20E-07	-4.24E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.14E-07	-4.08E-07	-4.30E-07	-4.20E-07	-4.20E-07	-4.30E-07	-4.30E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



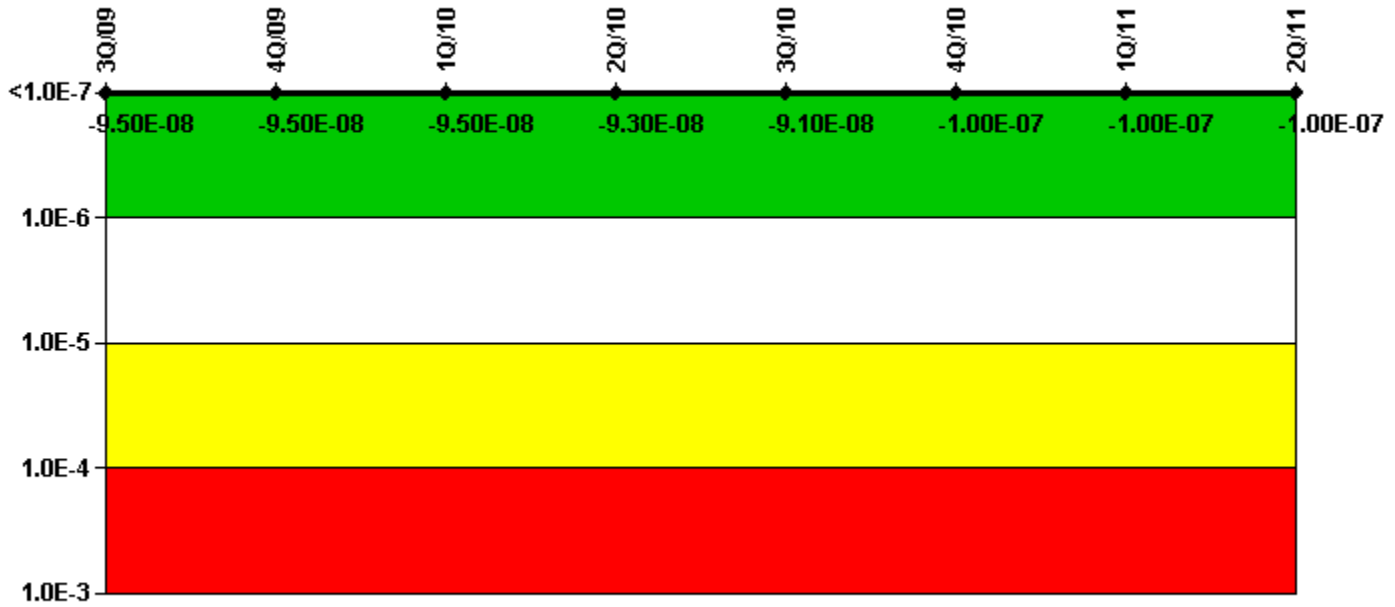
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-3.00E-09	-3.00E-09	-3.36E-09	-3.29E-09	-3.01E-09	-3.36E-09	-2.62E-09	-2.94E-09
URI (Δ CDF)	-1.50E-09	-1.50E-09	-1.45E-09	-1.45E-09	-1.44E-09	-1.43E-09	-1.42E-09	-1.41E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-09	-4.50E-09	-4.80E-09	-4.70E-09	-4.40E-09	-4.80E-09	-4.00E-09	-4.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



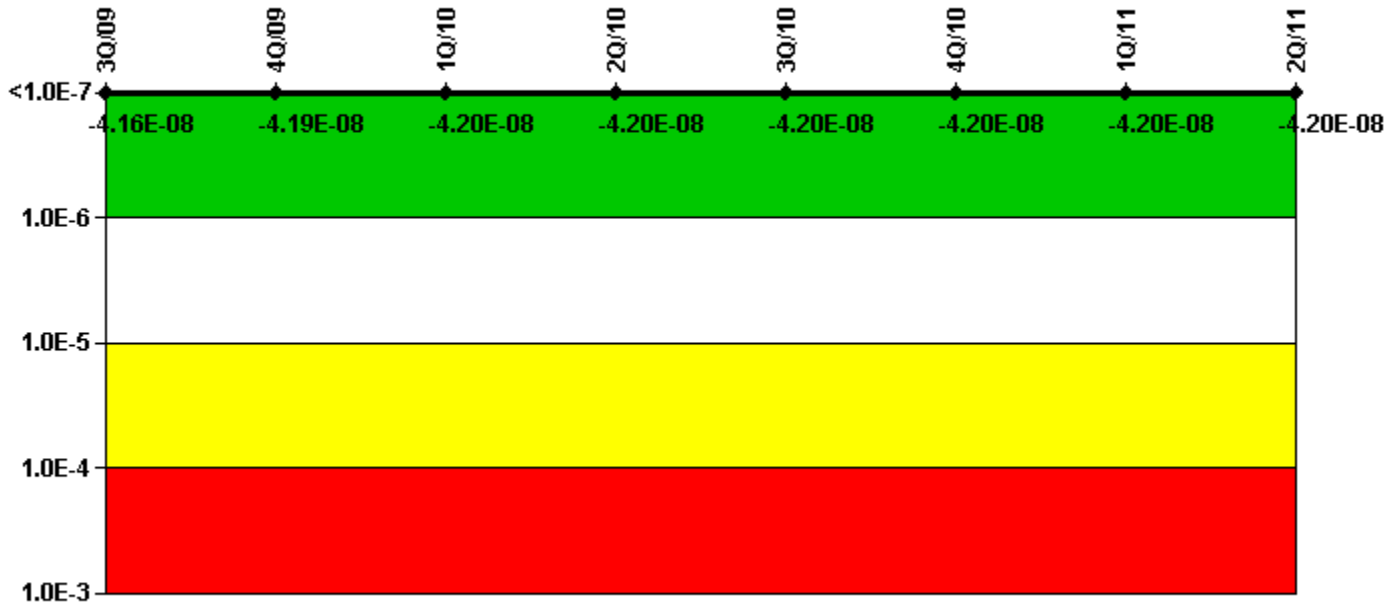
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-1.10E-08	-1.10E-08	-1.09E-08	-8.81E-09	-7.27E-09	-1.70E-08	-1.70E-08	-1.70E-08
URI (Δ CDF)	-8.40E-08	-8.40E-08	-8.37E-08	-8.37E-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	-9.30E-08	-9.10E-08	-1.00E-07	-1.00E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



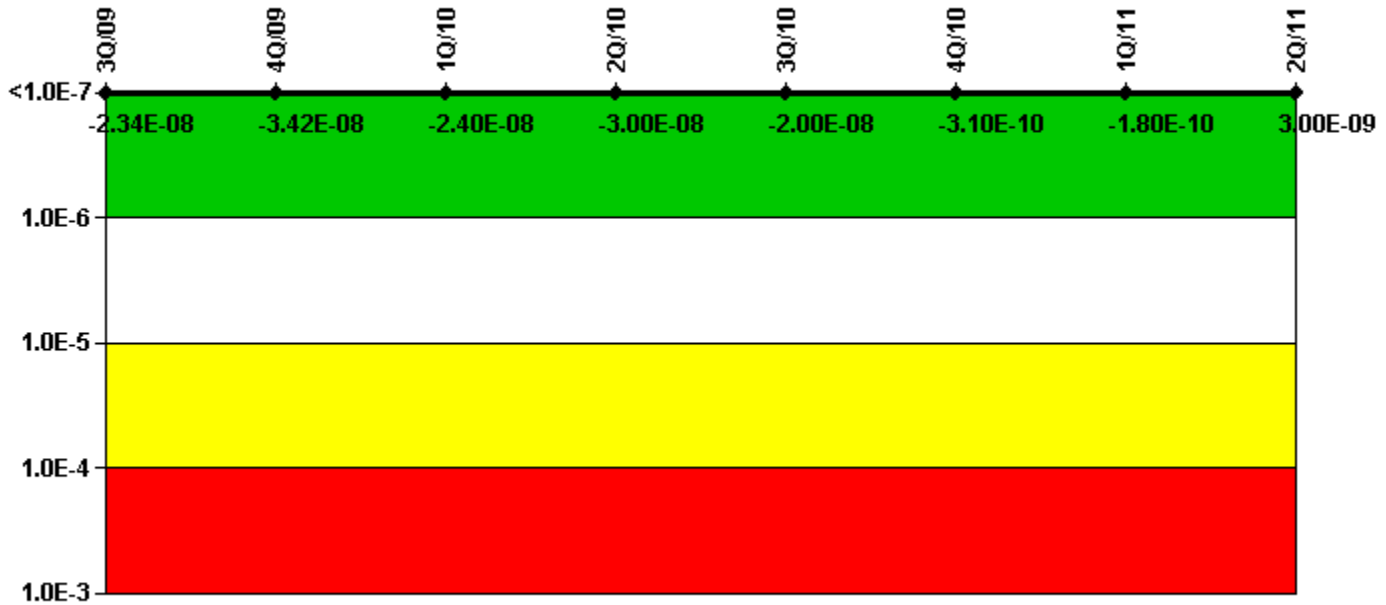
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-5.60E-09	-5.90E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09
URI (Δ CDF)	-3.60E-08	-3.60E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.16E-08	-4.19E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



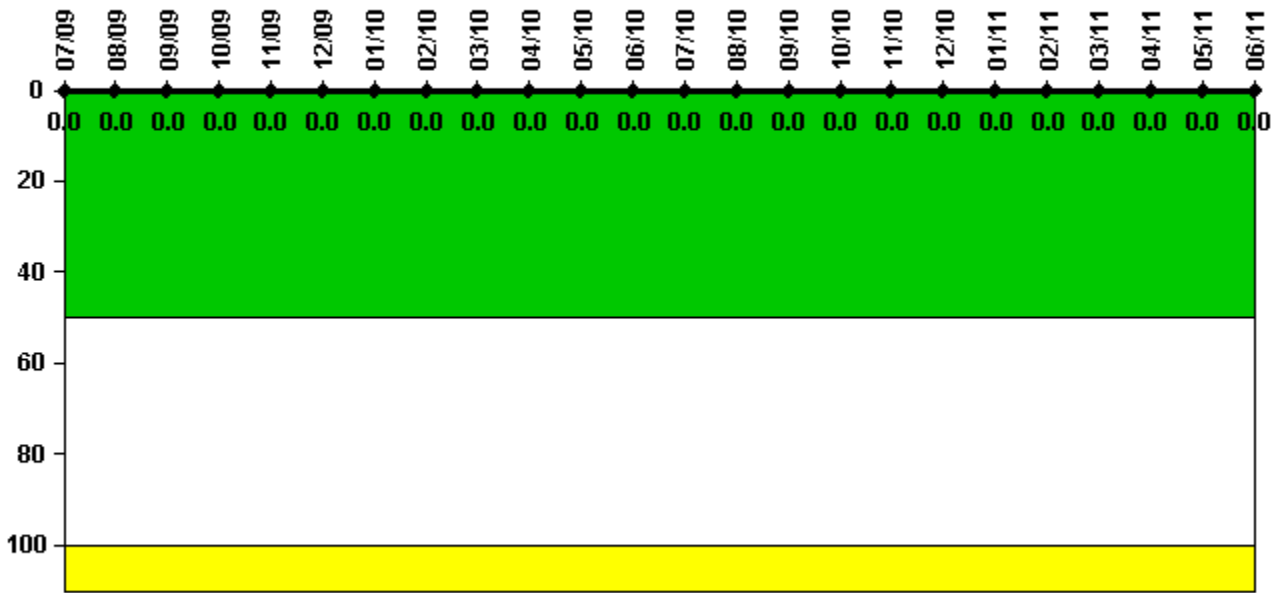
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	3.60E-09	-7.20E-09	3.16E-09	-2.56E-09	6.81E-09	2.67E-08	2.68E-08	3.00E-08
URI (Δ CDF)	-2.70E-08	-2.70E-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	-2.34E-08	-3.42E-08	-2.40E-08	-3.00E-08	-2.00E-08	-3.10E-10	-1.80E-10	3.00E-09

Licensee Comments: none

Reactor Coolant System Activity



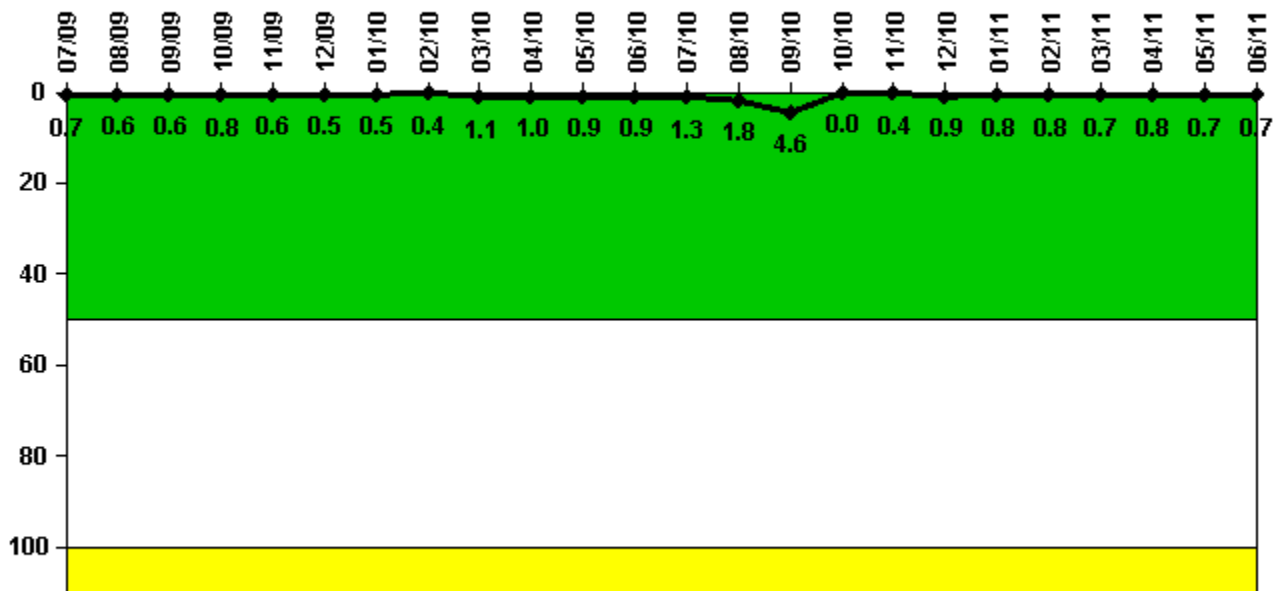
Thresholds: White > 50.0 Yellow > 100.0

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	0.000085	0.000089	0.000105	0.000109	0.000105	0.000173	0.000106	0.000112	0.000122	0.000123	0.000223	0.000192
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
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	0.000146	0.000131	0.000117	0.000089	0.000065	0.000070	0.000085	0.000071	0.000085	0.000091	0.000091	0.000104
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



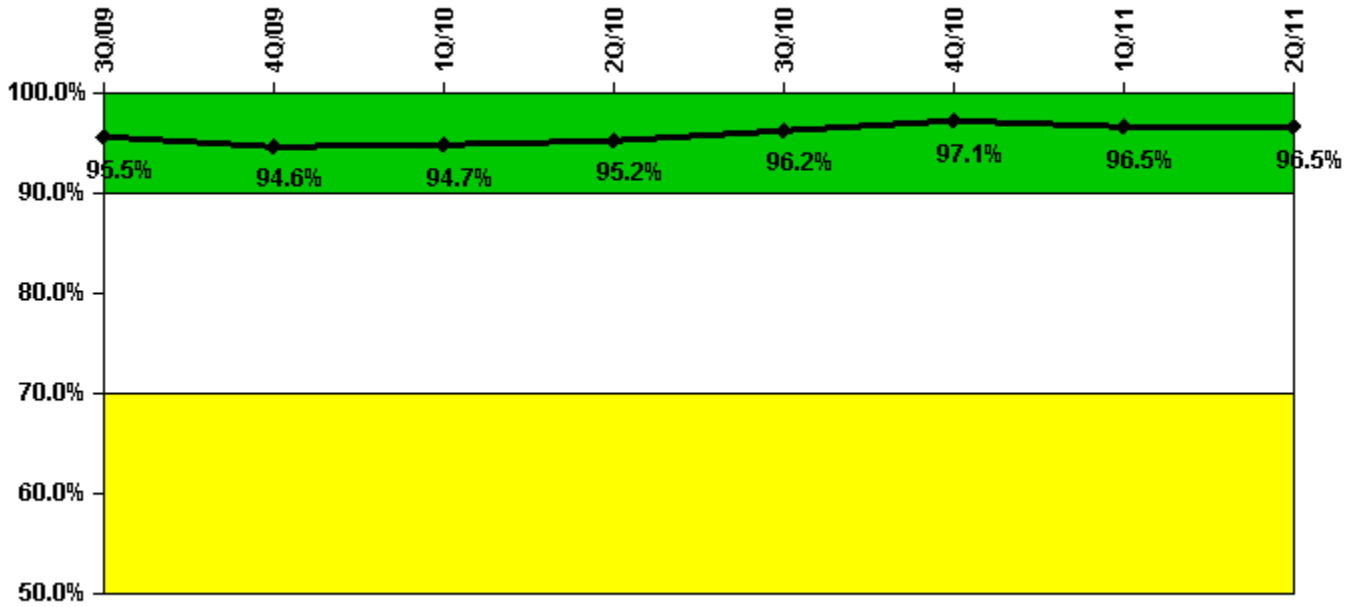
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.068	0.056	0.062	0.075	0.062	0.053	0.054	0.044	0.106	0.095	0.093	0.085
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	0.7	0.6	0.6	0.8	0.6	0.5	0.5	0.4	1.1	1.0	0.9	0.9
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	0.129	0.175	0.458	0	0.042	0.093	0.075	0.078	0.069	0.083	0.072	0.066
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	1.3	1.8	4.6	0	0.4	0.9	0.8	0.8	0.7	0.8	0.7	0.7

Licensee Comments: none

Drill/Exercise Performance



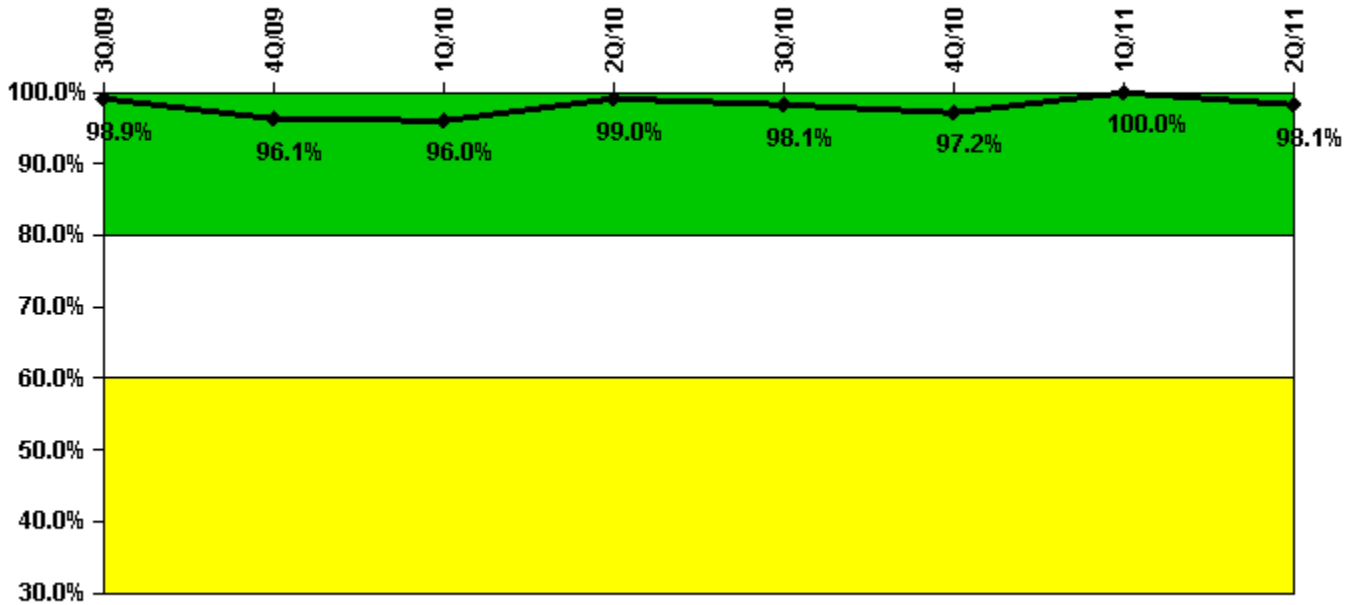
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	61.0	40.0	35.0	59.0	24.0	16.0	45.0	21.0
Total opportunities	62.0	41.0	37.0	60.0	24.0	17.0	49.0	22.0
Indicator value	95.5%	94.6%	94.7%	95.2%	96.2%	97.1%	96.5%	96.5%

Licensee Comments: none

ERO Drill Participation



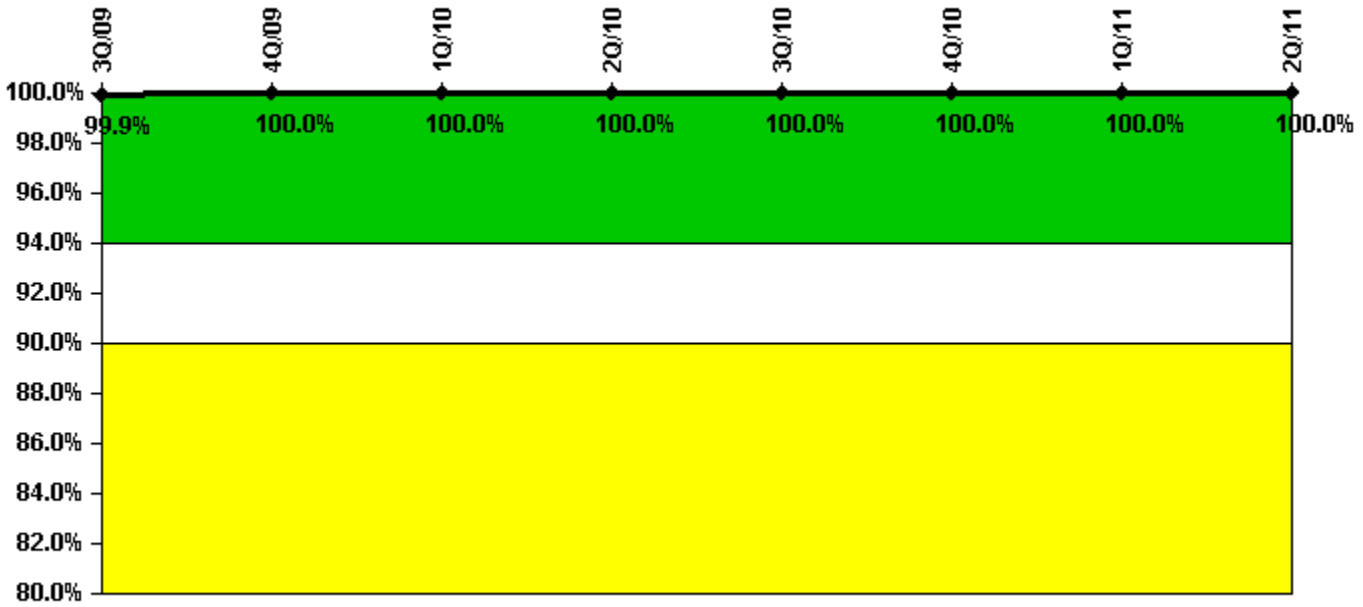
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	92.0	98.0	97.0	102.0	101.0	104.0	107.0	102.0
Total Key personnel	93.0	102.0	101.0	103.0	103.0	107.0	107.0	104.0
Indicator value	98.9%	96.1%	96.0%	99.0%	98.1%	97.2%	100.0%	98.1%

Licensee Comments: none

Alert & Notification System



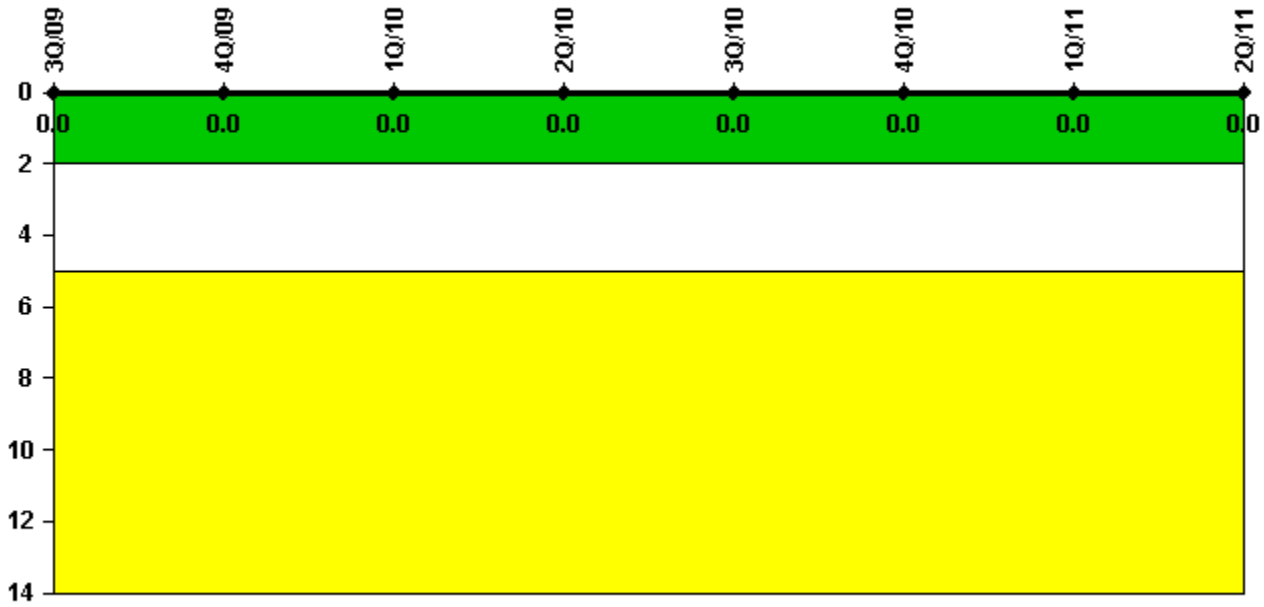
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	1310	916	1048	917	1310	917	1048	917
Total sirens-tests	1310	916	1048	917	1310	917	1048	917
Indicator value	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



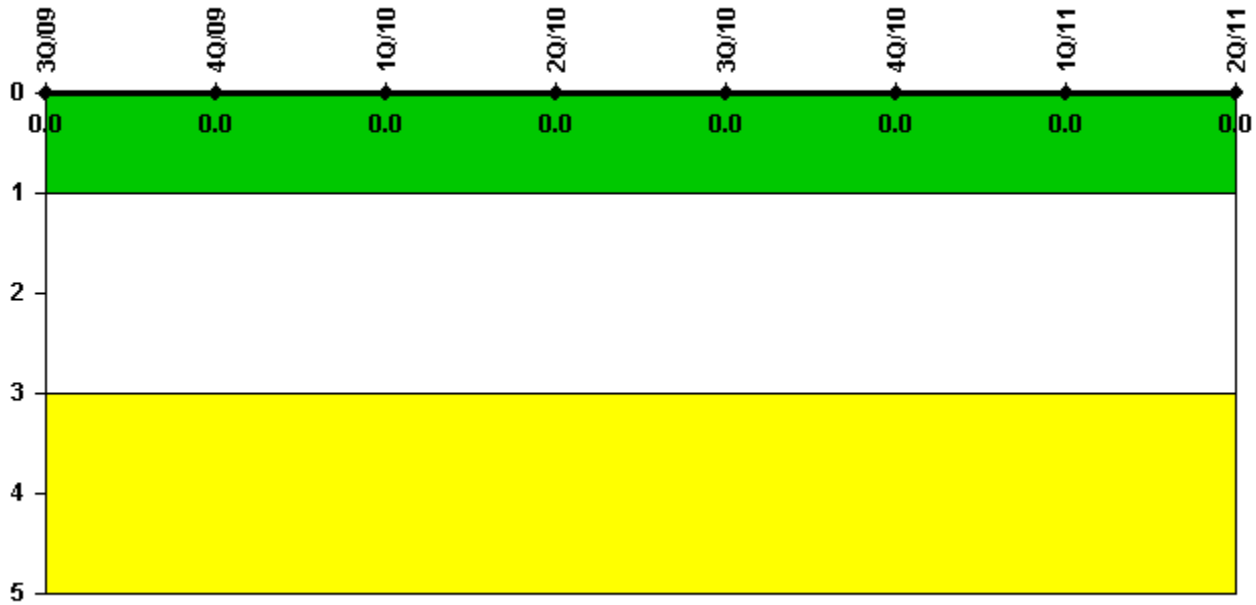
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
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	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.

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

Last Modified: July 22, 2011

Diablo Canyon 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



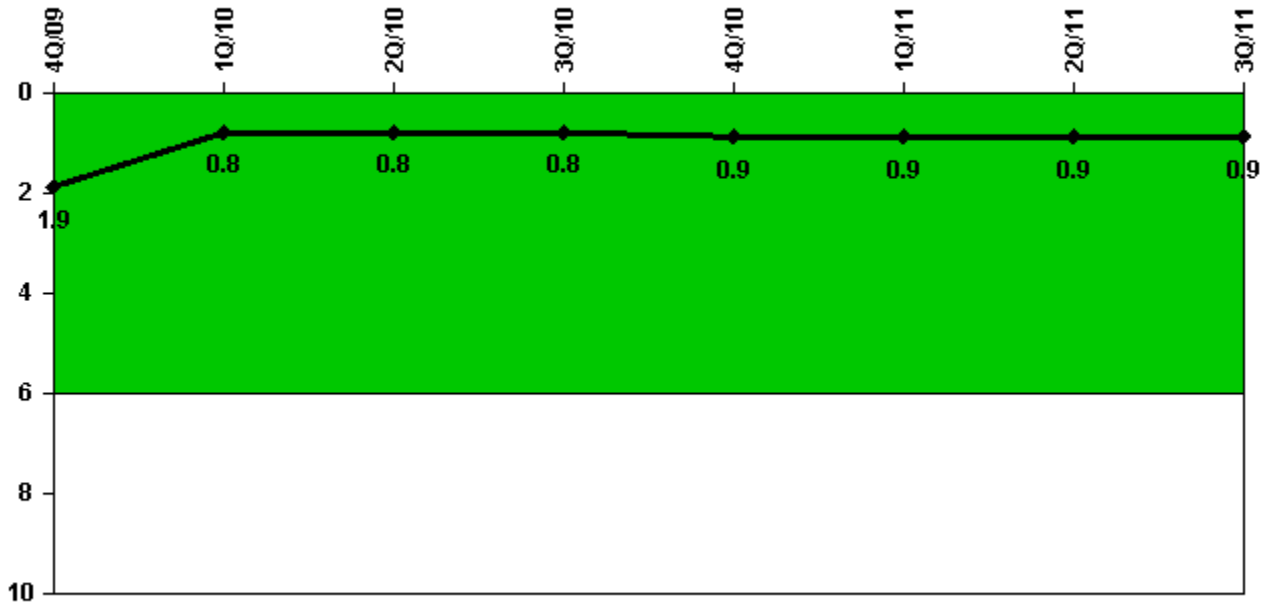
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1282.4	2159.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



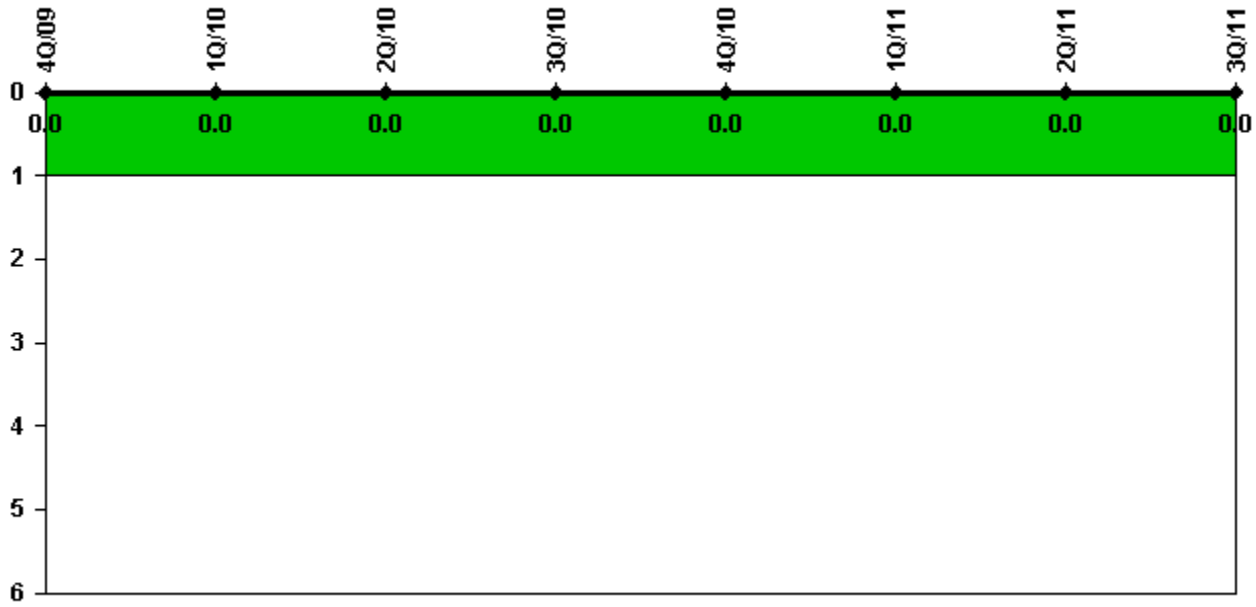
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	1.0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1282.4	2159.0	2184.0	2208.0
Indicator value	1.9	0.8	0.8	0.8	0.9	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



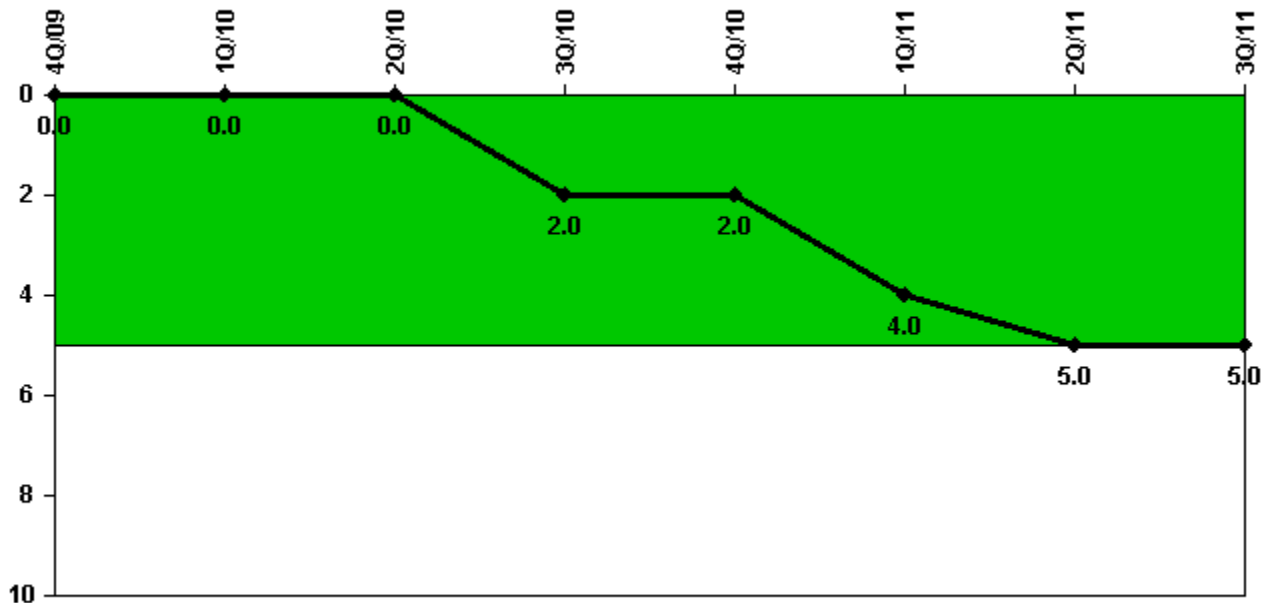
Thresholds: White > 1.0

Notes

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



Thresholds: White > 5.0

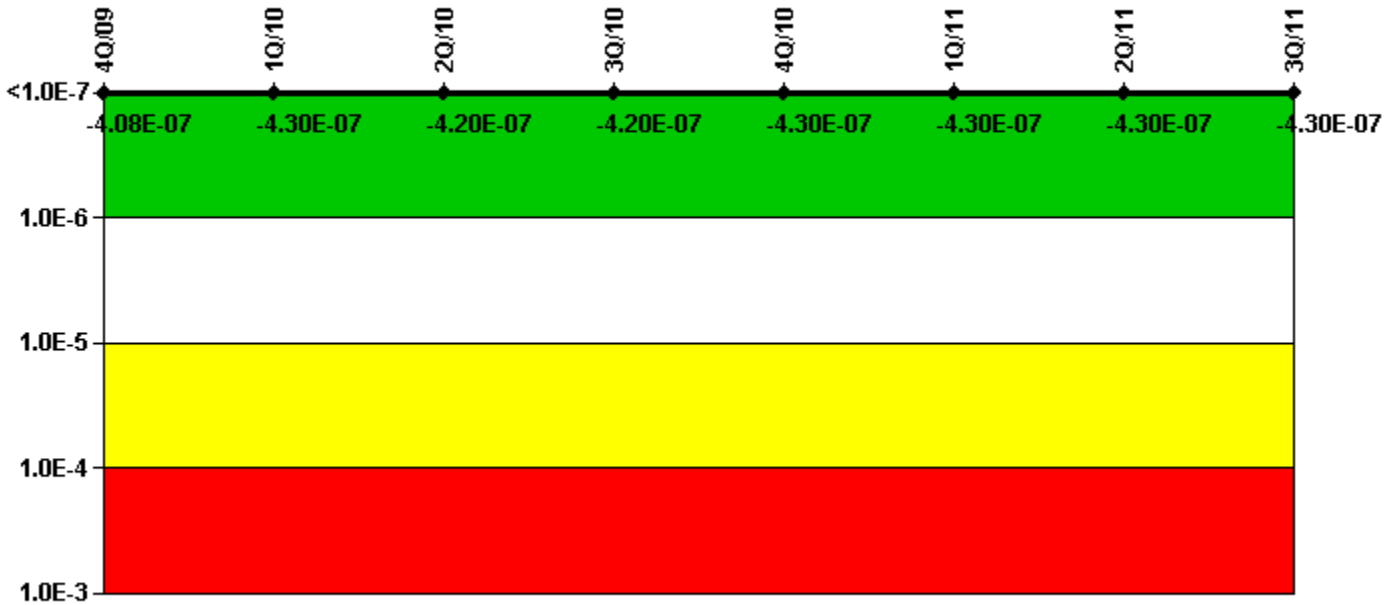
Notes

Safety System Functional Failures (PWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	0	0	0	2	0	2	1	2
Indicator value	0	0	0	2	2	4	5	5

Licensee Comments:

3Q/11: Unit 1 LER 1-2011-005-00, "Emergency Diesel Generator Actuations Upon Loss of 230 kV Startup Due to Electrical Maintenance Testing Activities," was sent on July 22, 2011. These two events represent 2 SSFFs.

Mitigating Systems Performance Index, Emergency AC Power System



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

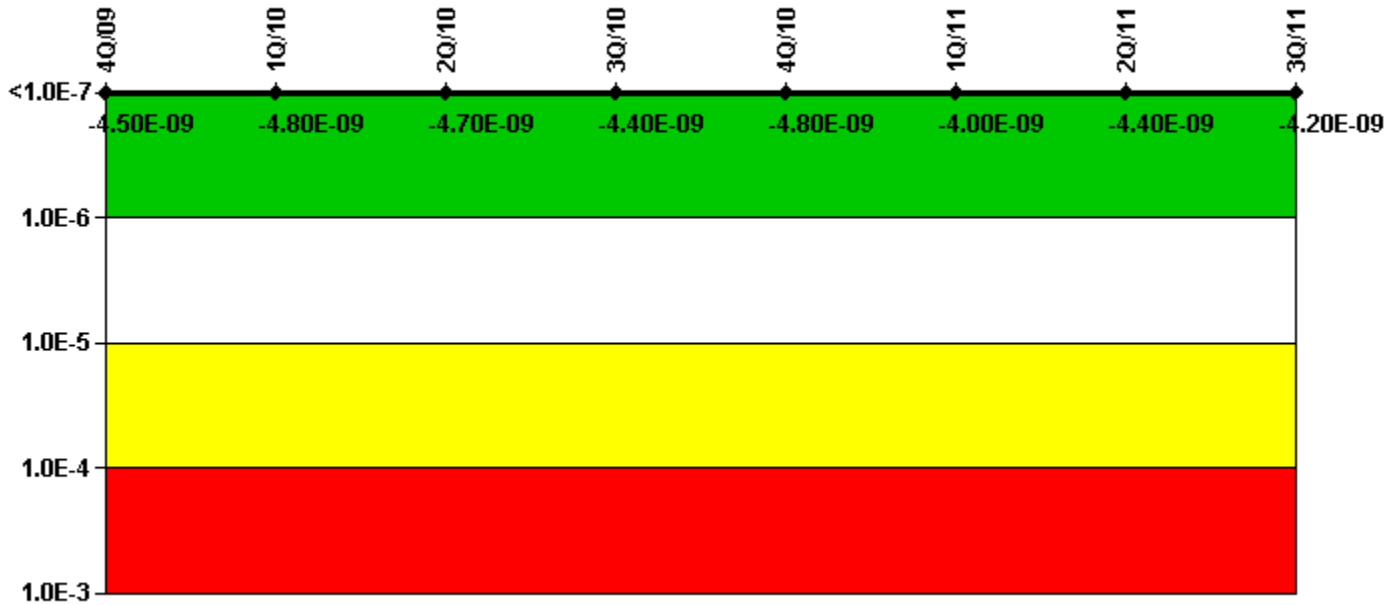
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	1.20E-08	-2.47E-09	-2.69E-09	-2.73E-09	-5.01E-09	-5.00E-09	-5.00E-09	-2.02E-09
URI (Δ CDF)	-4.20E-07	-4.24E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.23E-07	-4.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.08E-07	-4.30E-07	-4.20E-07	-4.20E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07

Licensee Comments:

2Q/11: After a conversation with an MSPI working group member it was decided that DCPD needed to report the Unit 1 Emergency Diesel starts during 2R16 as MSPI actual ESF actuations. Reported 7/25/11

Mitigating Systems Performance Index, High Pressure Injection System



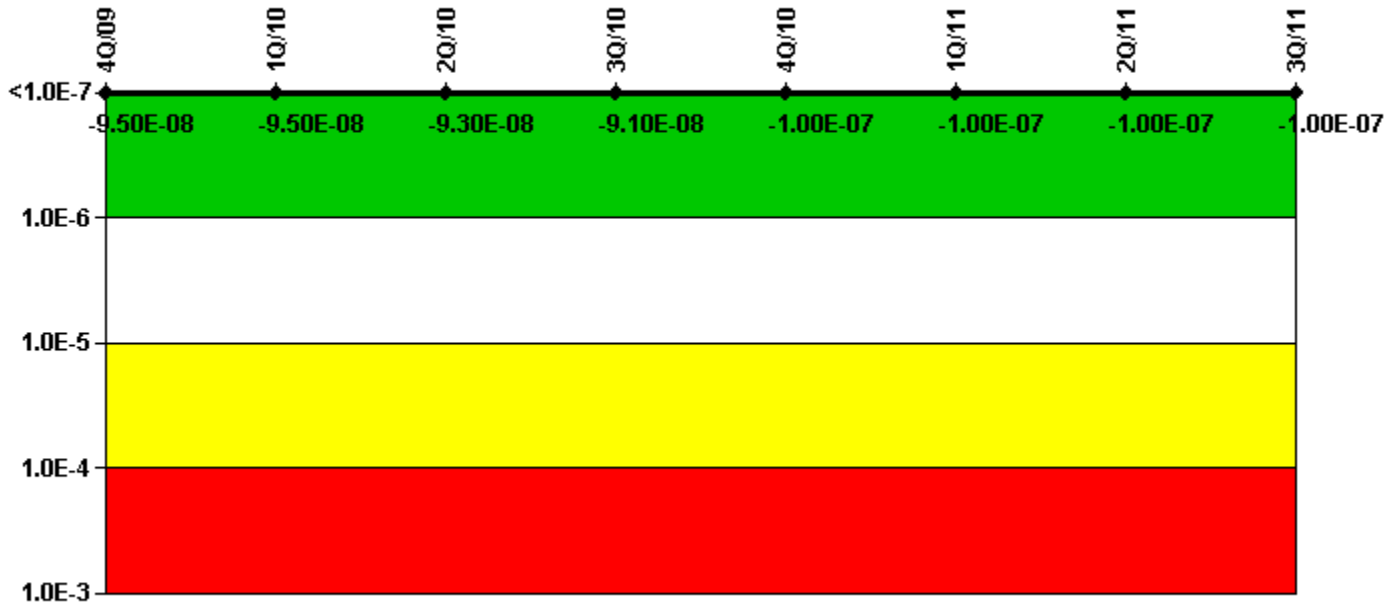
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-3.00E-09	-3.36E-09	-3.29E-09	-3.01E-09	-3.36E-09	-2.62E-09	-2.94E-09	-2.75E-09
URI (Δ CDF)	-1.50E-09	-1.45E-09	-1.45E-09	-1.44E-09	-1.43E-09	-1.42E-09	-1.41E-09	-1.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-09	-4.80E-09	-4.70E-09	-4.40E-09	-4.80E-09	-4.00E-09	-4.40E-09	-4.20E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



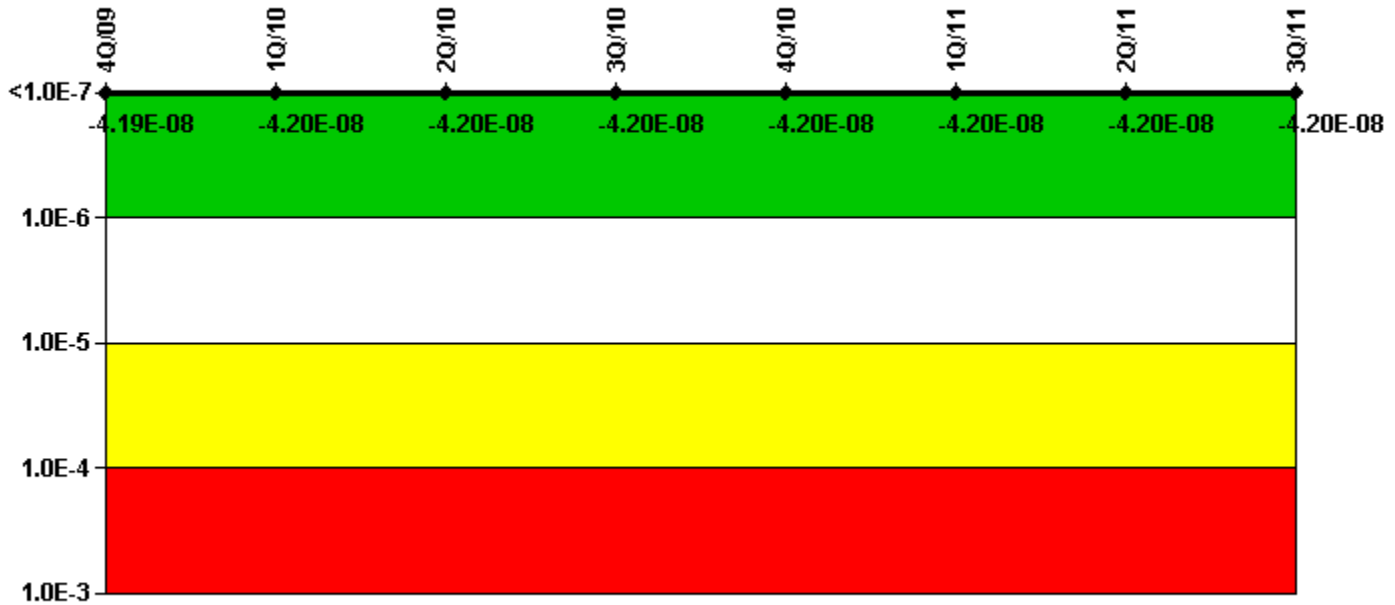
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-1.10E-08	-1.09E-08	-8.81E-09	-7.27E-09	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
URI (Δ CDF)	-8.40E-08	-8.37E-08	-8.37E-08	-8.37E-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	-9.30E-08	-9.10E-08	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



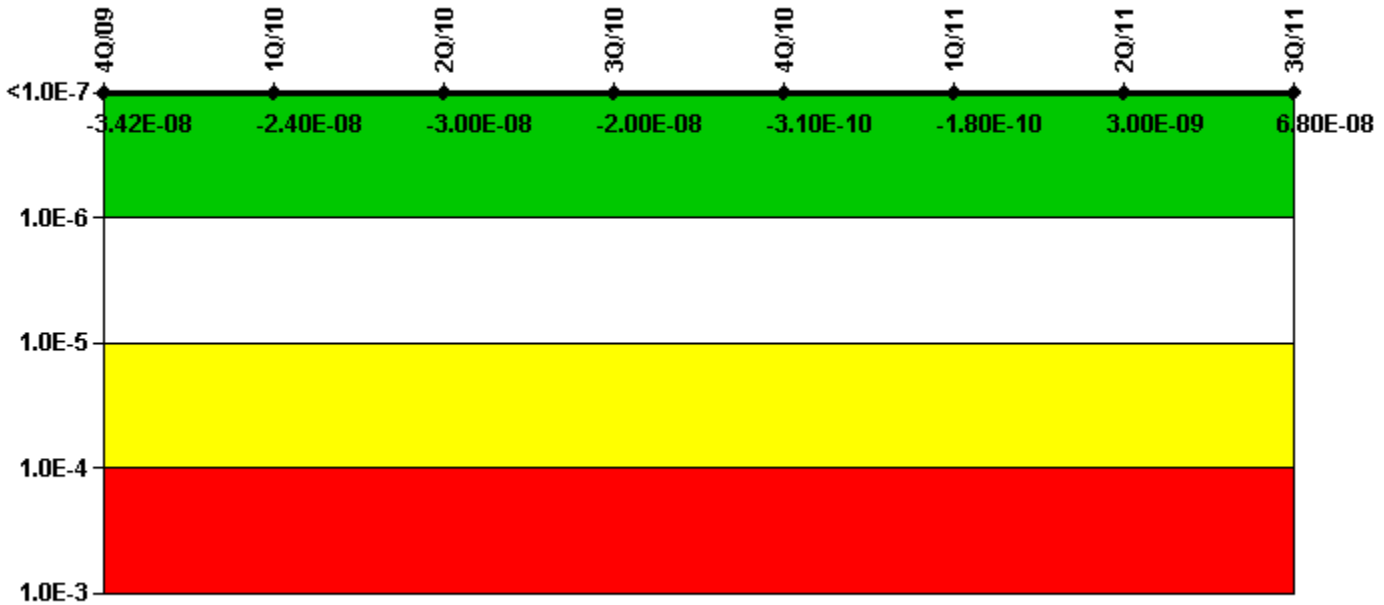
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-5.90E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09
URI (Δ CDF)	-3.60E-08	-3.64E-08	-3.64E-08	-3.64E-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	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



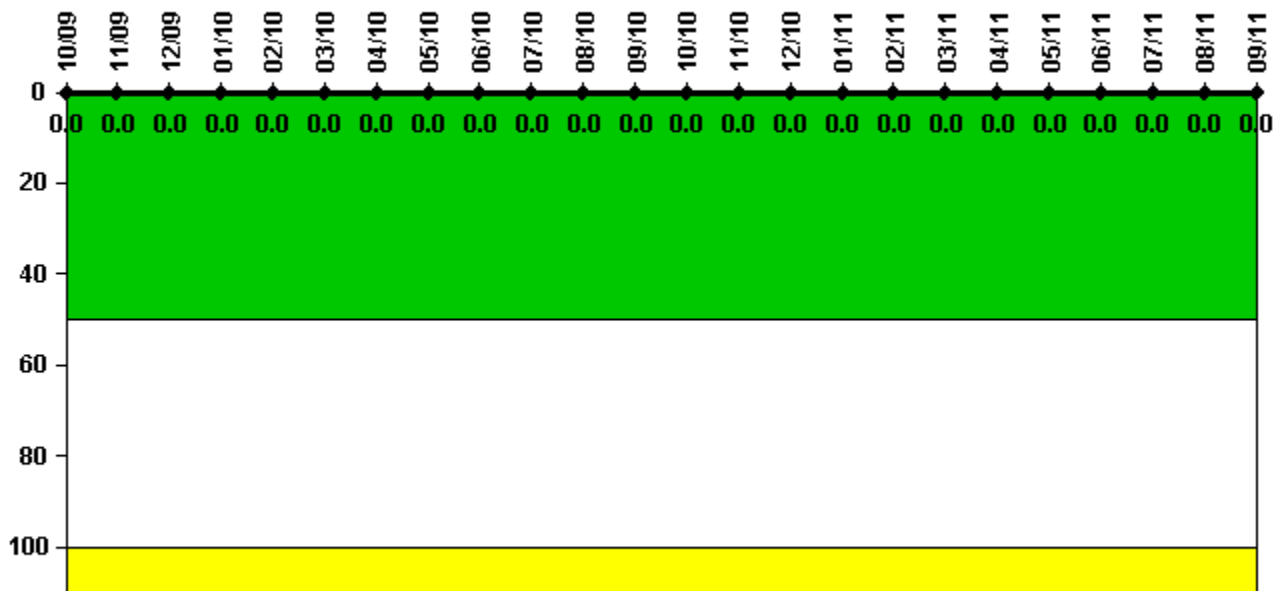
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-7.20E-09	3.16E-09	-2.56E-09	6.81E-09	2.67E-08	2.68E-08	3.00E-08	9.48E-08
URI (Δ CDF)	-2.70E-08	-2.70E-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	-3.42E-08	-2.40E-08	-3.00E-08	-2.00E-08	-3.10E-10	-1.80E-10	3.00E-09	6.80E-08

Licensee Comments: none

Reactor Coolant System Activity



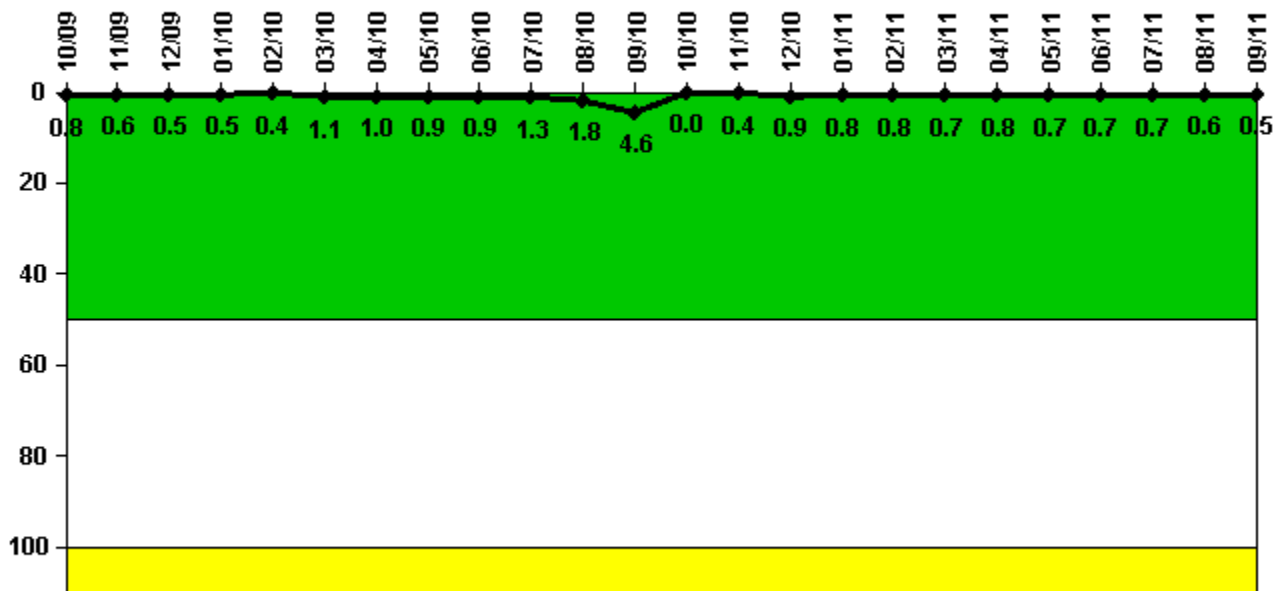
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000109	0.000105	0.000173	0.000106	0.000112	0.000122	0.000123	0.000223	0.000192	0.000146	0.000131	0.000117
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
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	0.000089	0.000065	0.000070	0.000085	0.000071	0.000085	0.000091	0.000091	0.000104	0.000095	0.000100	0.000104
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



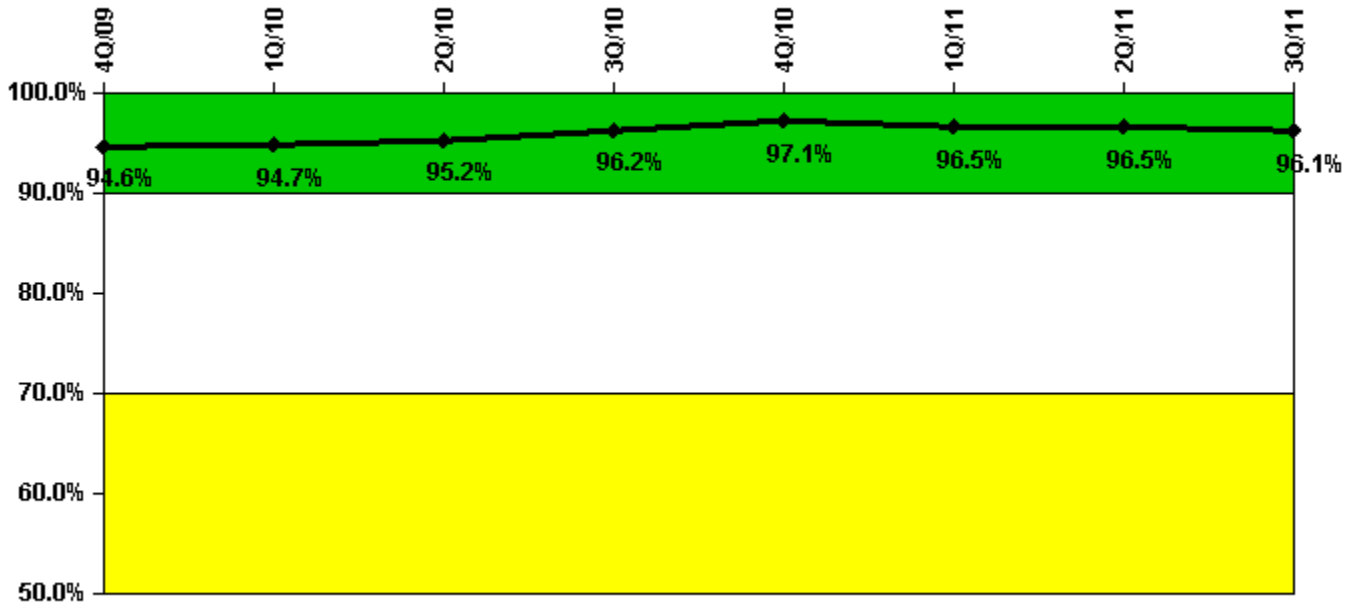
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	0.075	0.062	0.053	0.054	0.044	0.106	0.095	0.093	0.085	0.129	0.175	0.458
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	0.6	0.5	0.5	0.4	1.1	1.0	0.9	0.9	1.3	1.8	4.6
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	0.042	0.093	0.075	0.078	0.069	0.083	0.072	0.066	0.068	0.059	0.046
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	0.4	0.9	0.8	0.8	0.7	0.8	0.7	0.7	0.7	0.6	0.5

Licensee Comments: none

Drill/Exercise Performance



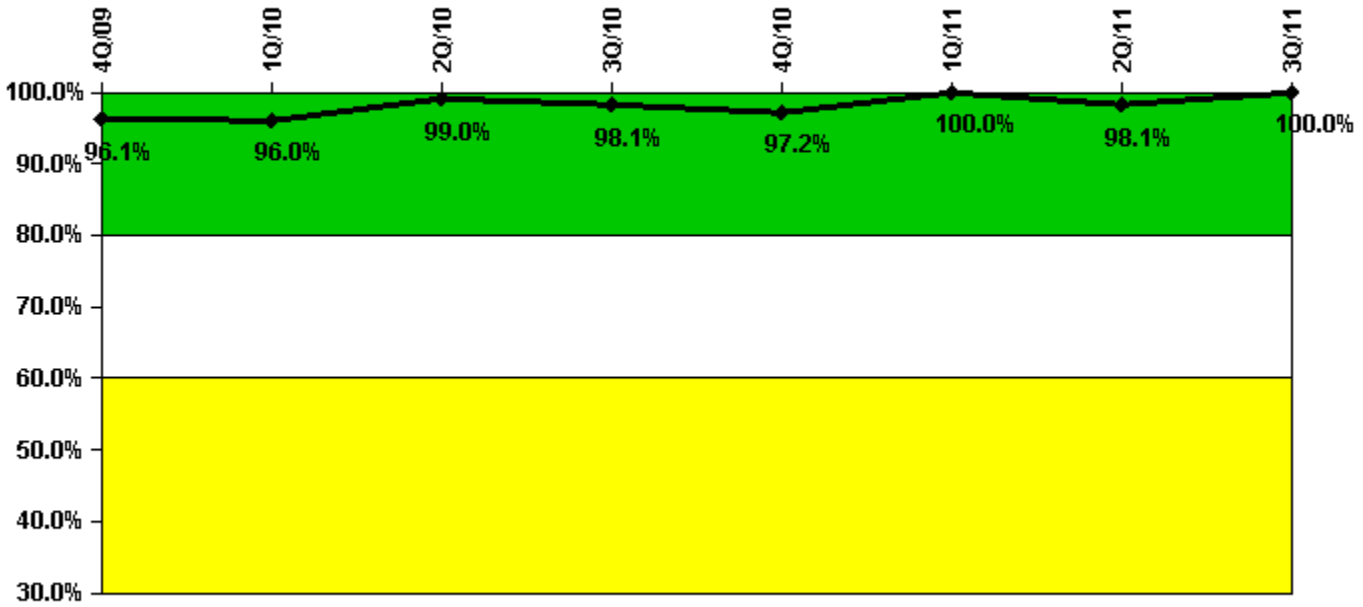
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	40.0	35.0	59.0	24.0	16.0	45.0	21.0	9.0
Total opportunities	41.0	37.0	60.0	24.0	17.0	49.0	22.0	9.0
Indicator value	94.6%	94.7%	95.2%	96.2%	97.1%	96.5%	96.5%	96.1%

Licensee Comments: none

ERO Drill Participation



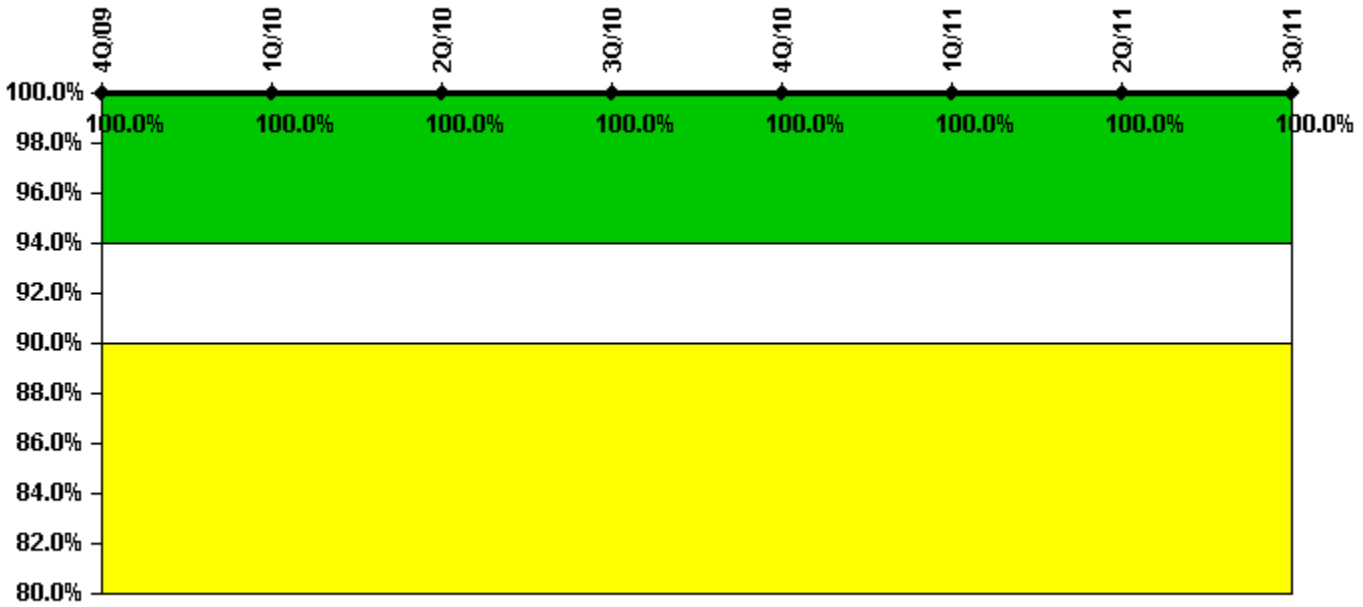
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	98.0	97.0	102.0	101.0	104.0	107.0	102.0	104.0
Total Key personnel	102.0	101.0	103.0	103.0	107.0	107.0	104.0	104.0
Indicator value	96.1%	96.0%	99.0%	98.1%	97.2%	100.0%	98.1%	100.0%

Licensee Comments: none

Alert & Notification System



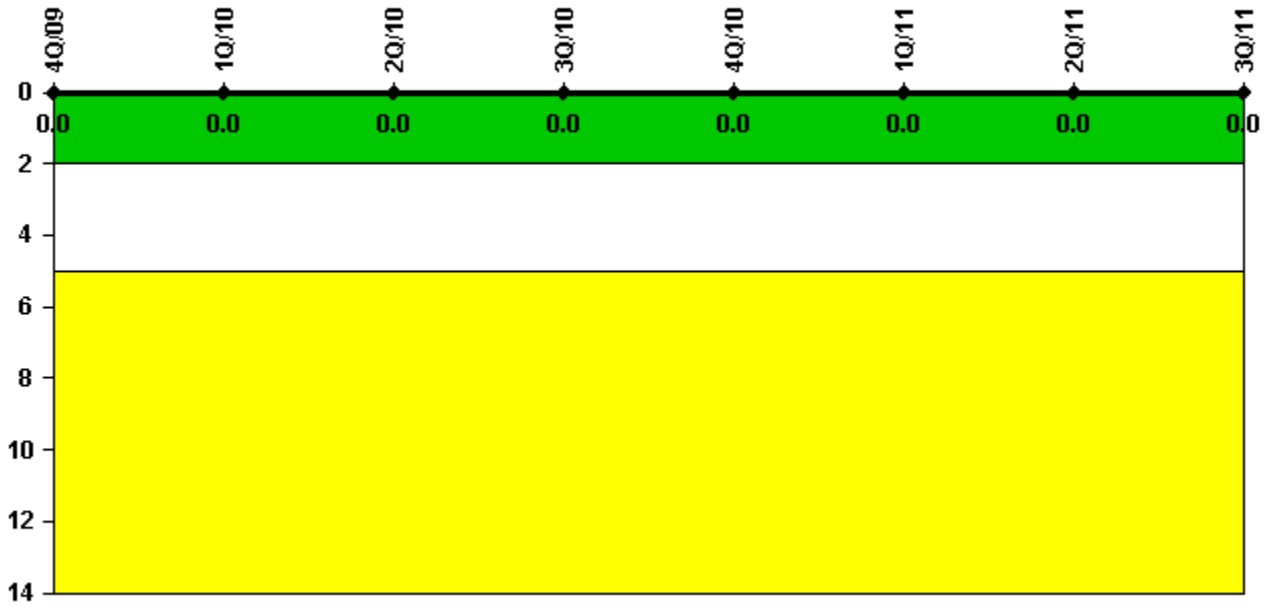
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	916	1048	917	1310	917	1048	917	1309
Total sirens-tests	916	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



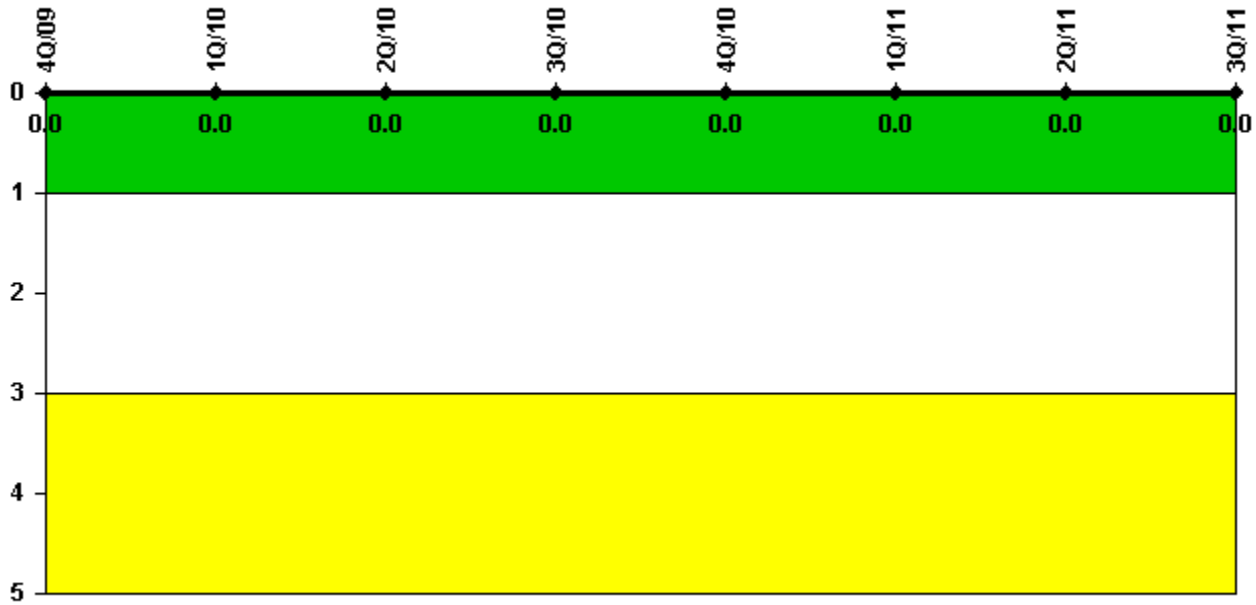
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/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

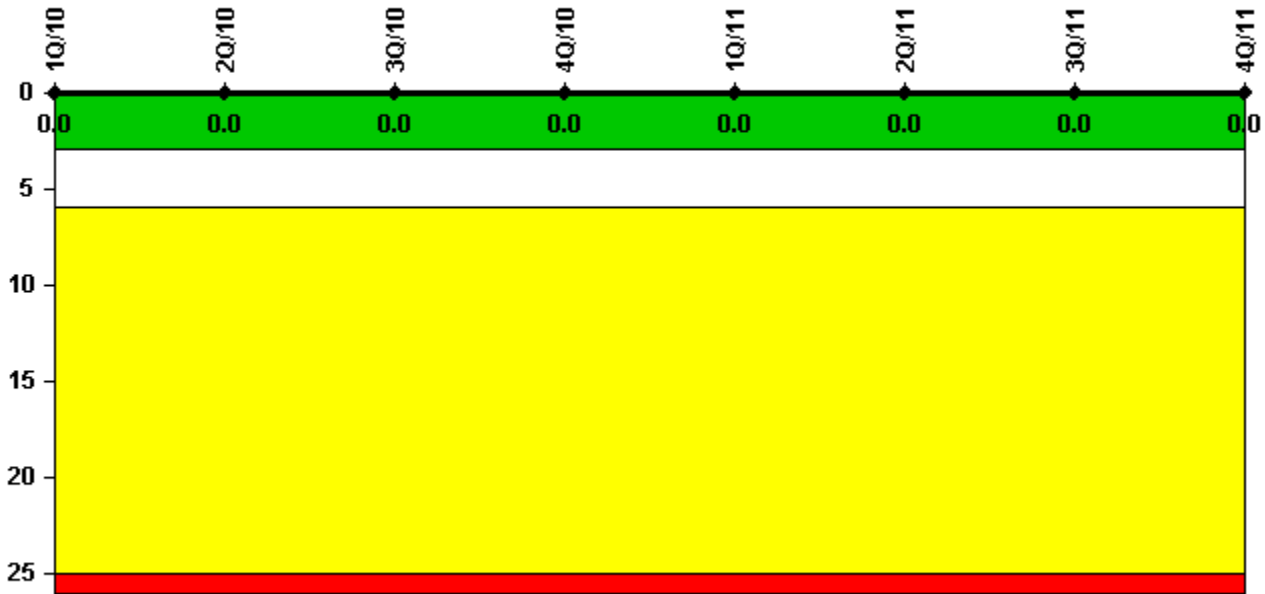
[Security](#) information not publicly available.

Diablo Canyon 1

4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



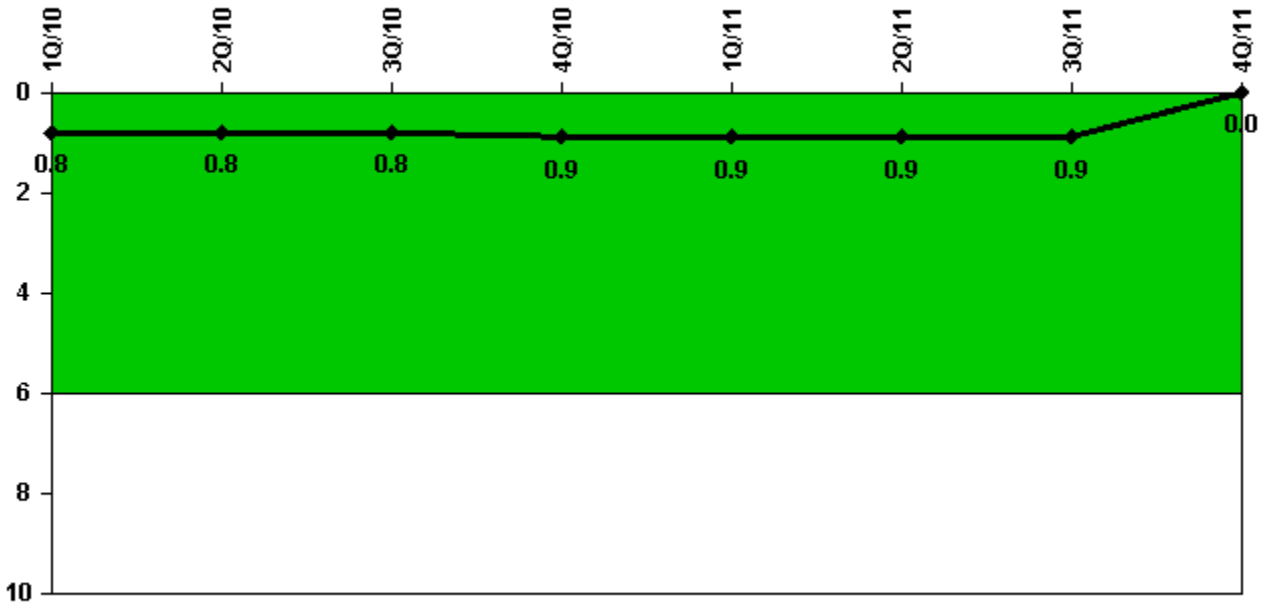
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1282.4	2159.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



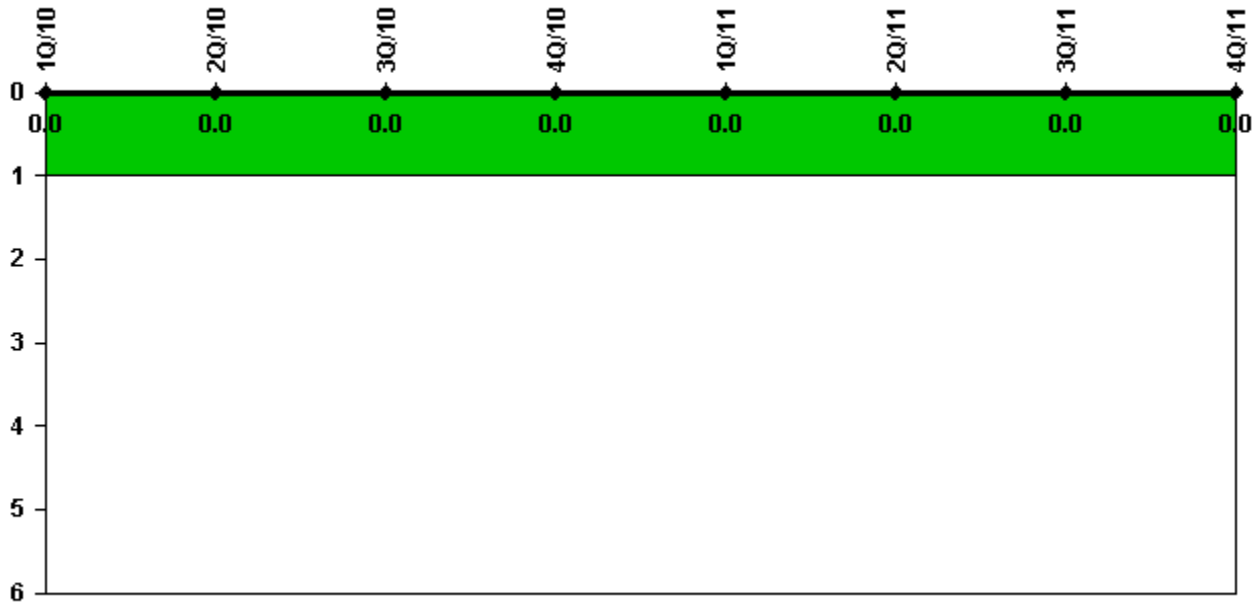
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1282.4	2159.0	2184.0	2208.0	2209.0
Indicator value	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0

Licensee Comments: none

Unplanned Scrams with Complications



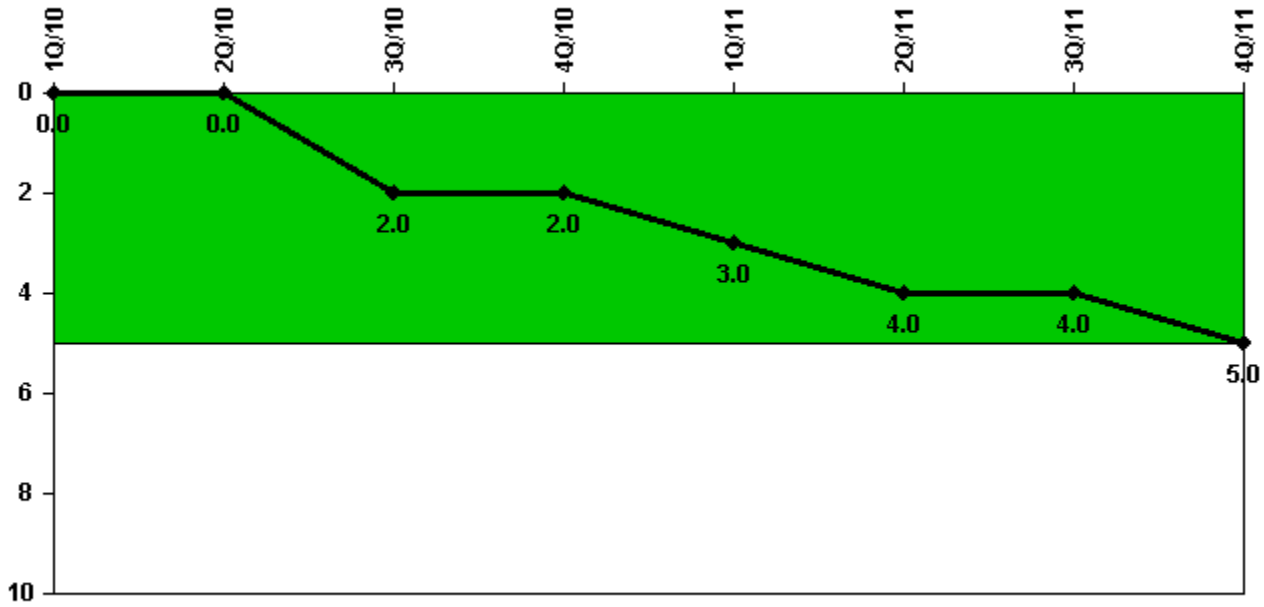
Thresholds: White > 1.0

Notes

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



Thresholds: White > 5.0

Notes

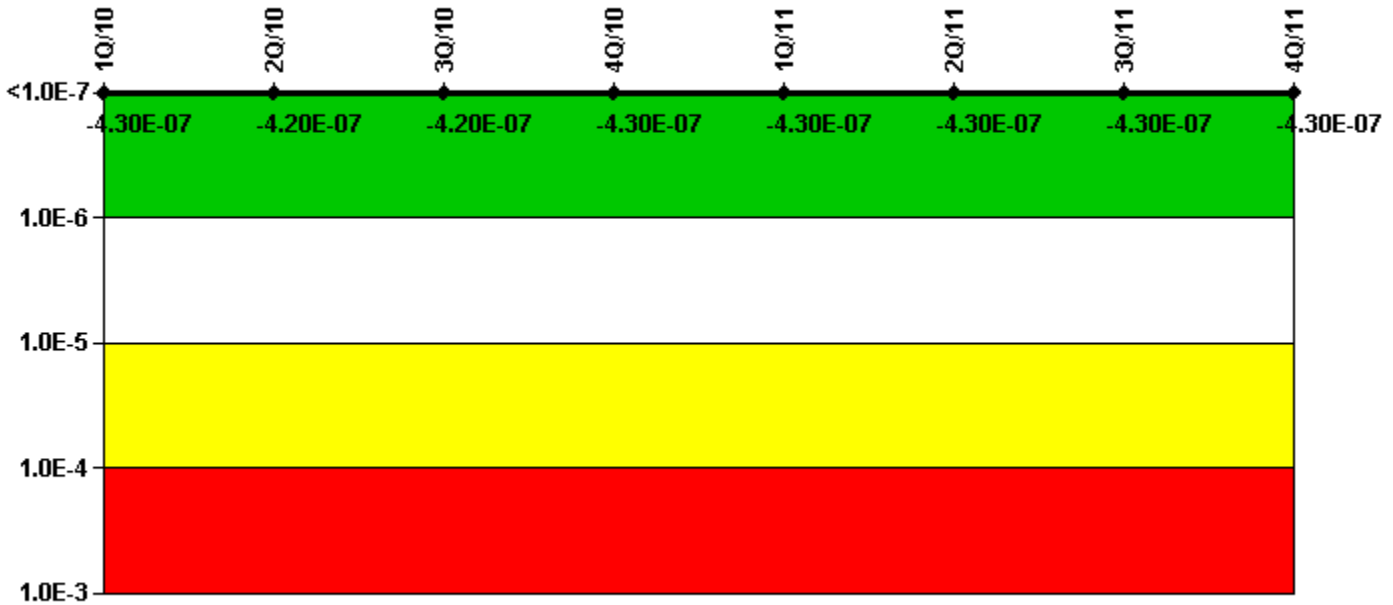
Safety System Functional Failures (PWR)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Safety System Functional Failures	0	0	2	0	1	1	2	1
Indicator value	0	0	2	2	3	4	4	5

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 a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1, but this was clarified as a SSFF for U2 only per PG&E letter DCL-11-134 on December 16, 2011. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

Mitigating Systems Performance Index, Emergency AC Power System



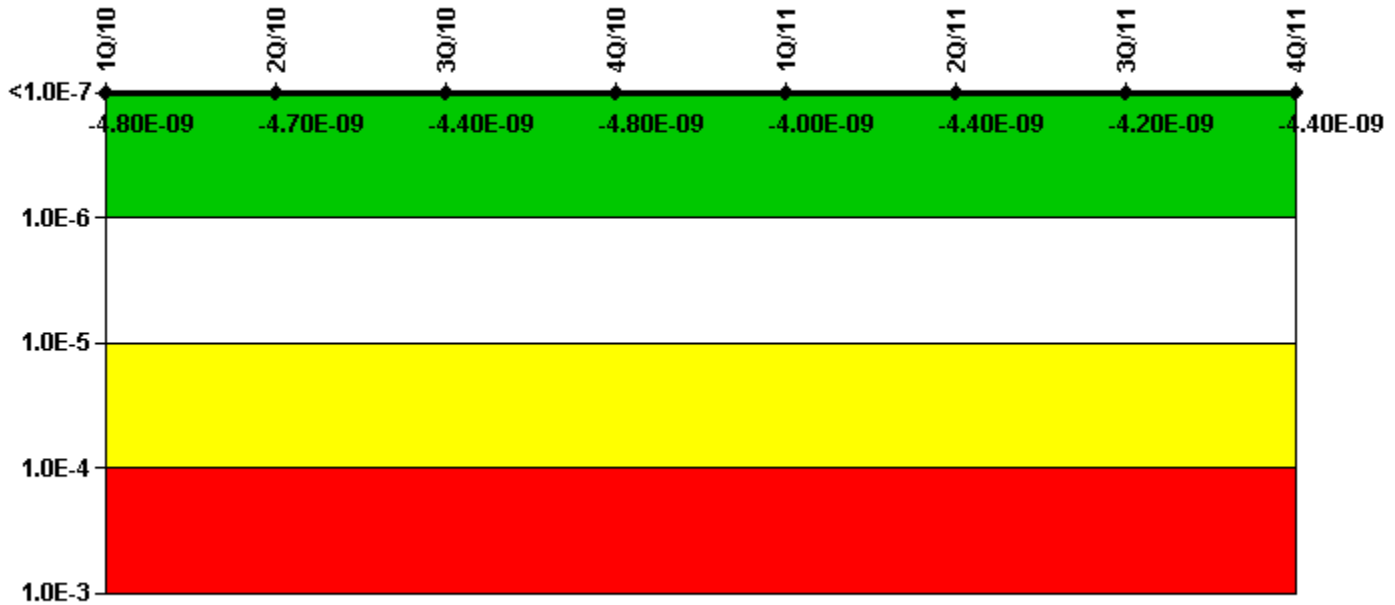
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-2.47E-09	-2.69E-09	-2.73E-09	-5.01E-09	-5.00E-09	-5.00E-09	-2.02E-09	-7.77E-09
URI (Δ CDF)	-4.24E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.23E-07	-4.23E-07	-4.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-07	-4.20E-07	-4.20E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



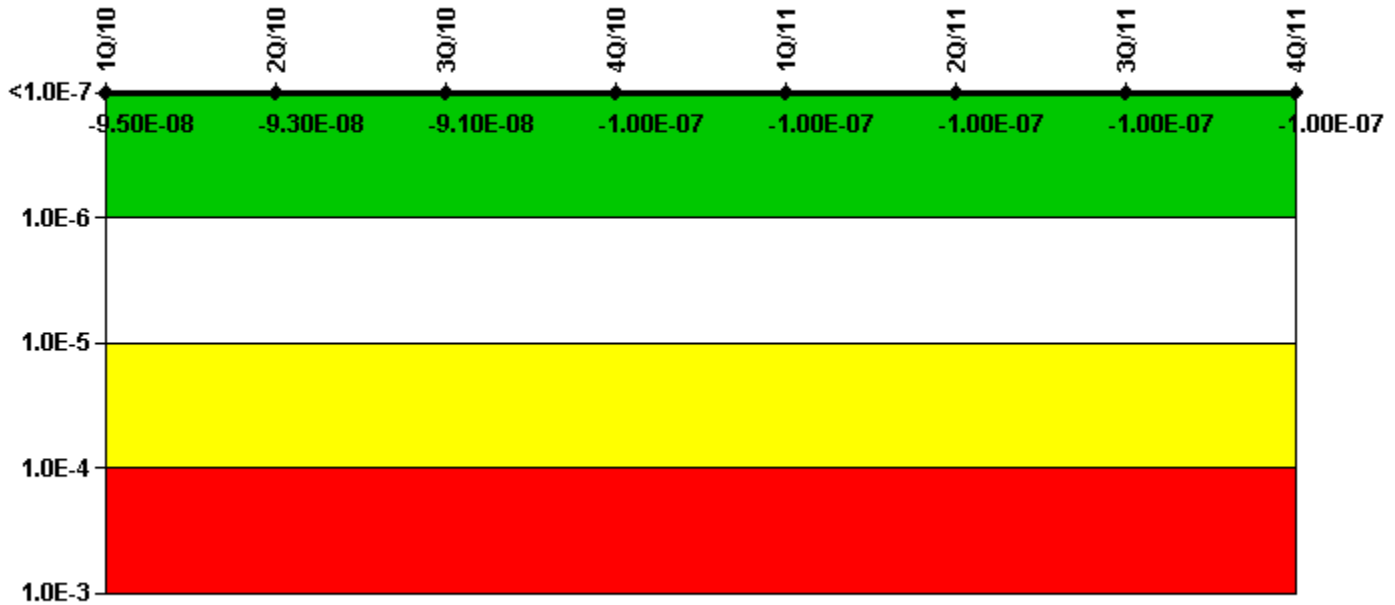
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-3.36E-09	-3.29E-09	-3.01E-09	-3.36E-09	-2.62E-09	-2.94E-09	-2.75E-09	-2.98E-09
URI (Δ CDF)	-1.45E-09	-1.45E-09	-1.44E-09	-1.43E-09	-1.42E-09	-1.41E-09	-1.40E-09	-1.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.80E-09	-4.70E-09	-4.40E-09	-4.80E-09	-4.00E-09	-4.40E-09	-4.20E-09	-4.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



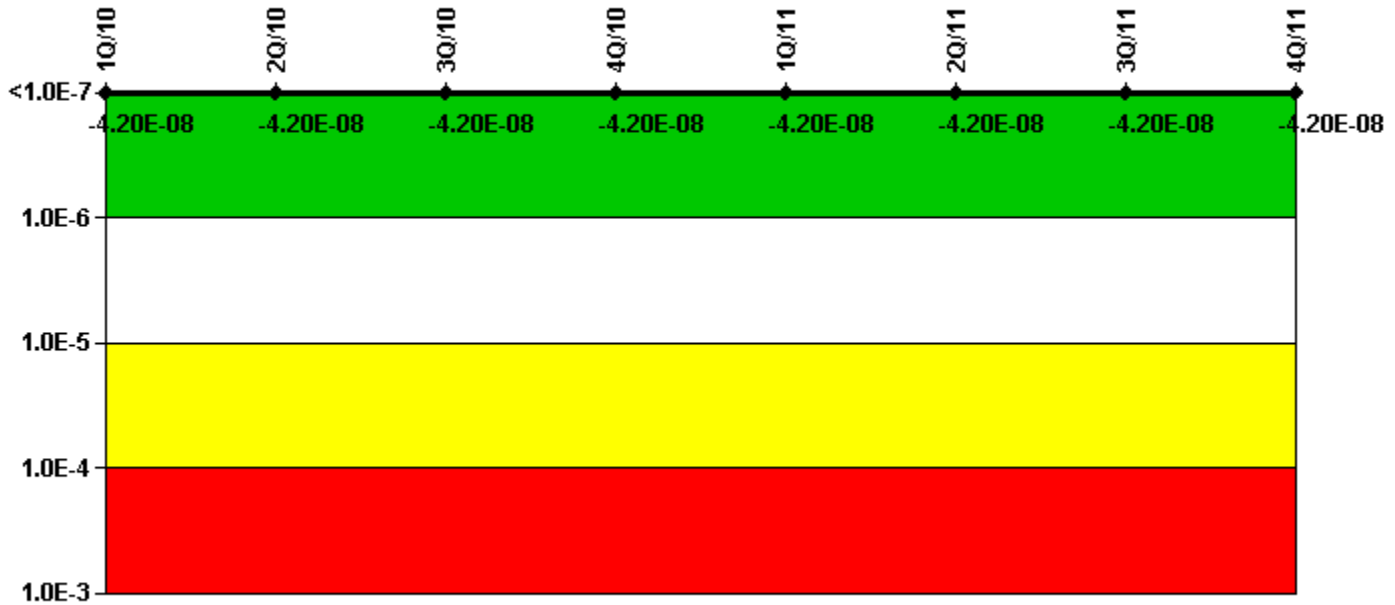
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-1.09E-08	-8.81E-09	-7.27E-09	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-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	-9.30E-08	-9.10E-08	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



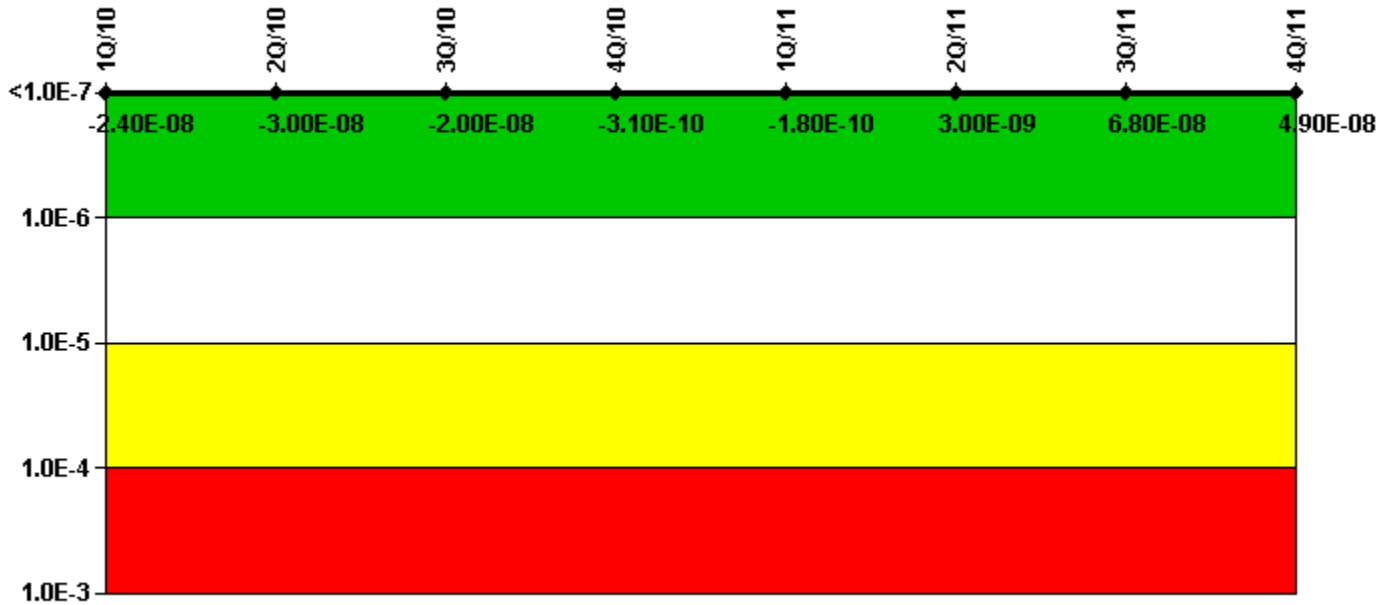
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



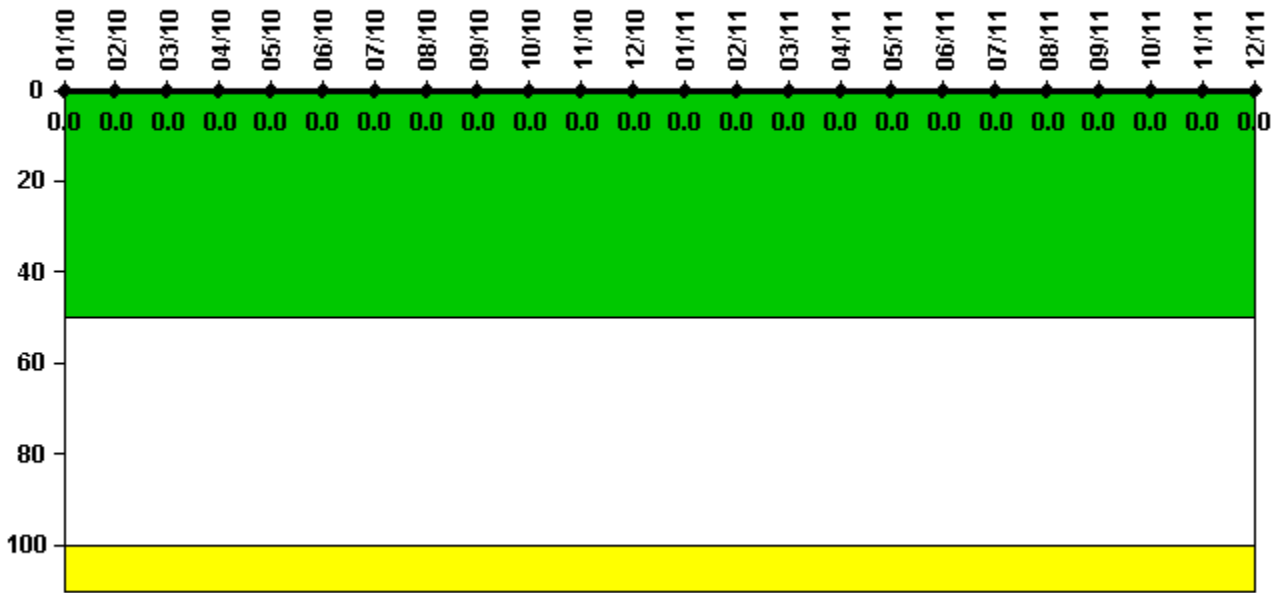
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	3.16E-09	-2.56E-09	6.81E-09	2.67E-08	2.68E-08	3.00E-08	9.48E-08	7.62E-08
URI (Δ CDF)	-2.70E-08	-2.70E-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	-2.40E-08	-3.00E-08	-2.00E-08	-3.10E-10	-1.80E-10	3.00E-09	6.80E-08	4.90E-08

Licensee Comments: none

Reactor Coolant System Activity



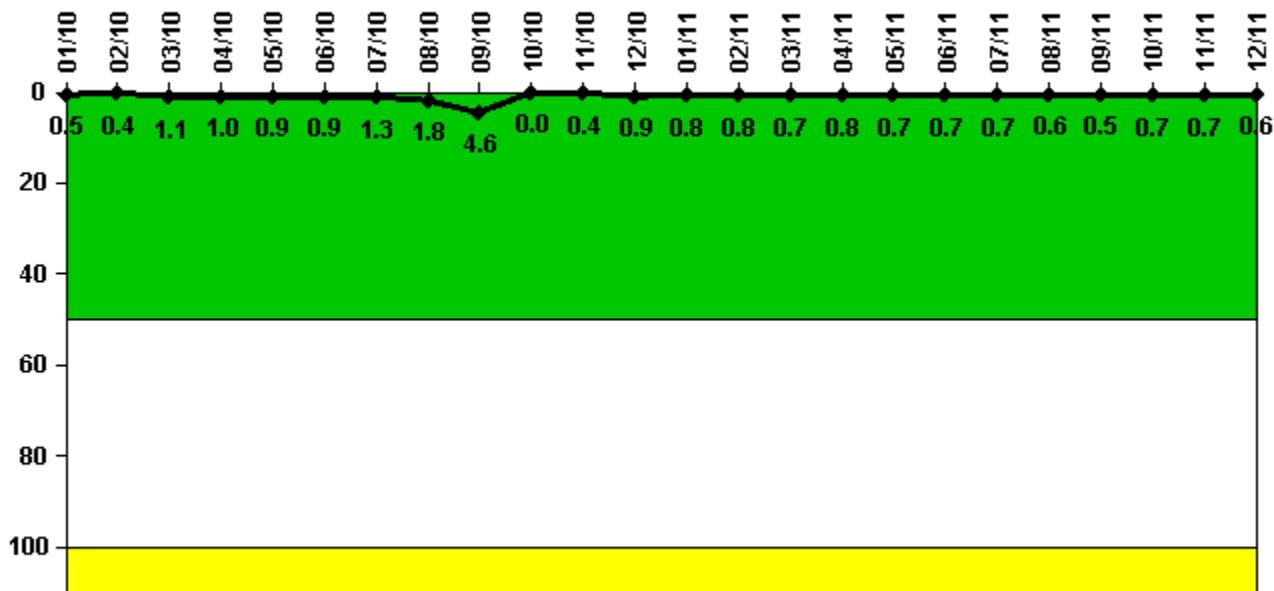
Thresholds: White > 50.0 Yellow > 100.0

Notes

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
Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000085	0.000071	0.000085	0.000091	0.000091	0.000104	0.000095	0.000100	0.000104	0.000115	0.000105	0.000115
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



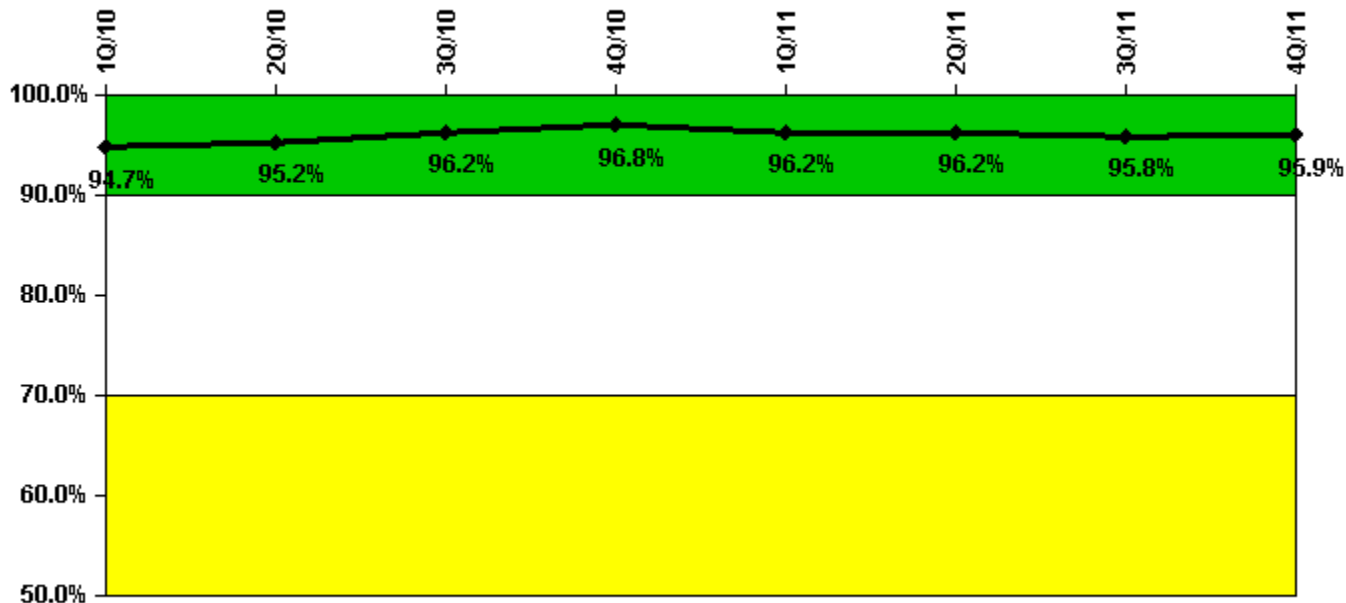
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/10	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
Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.075	0.078	0.069	0.083	0.072	0.066	0.068	0.059	0.046	0.066	0.069	0.059
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	0.8	0.7	0.8	0.7	0.7	0.7	0.6	0.5	0.7	0.7	0.6

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

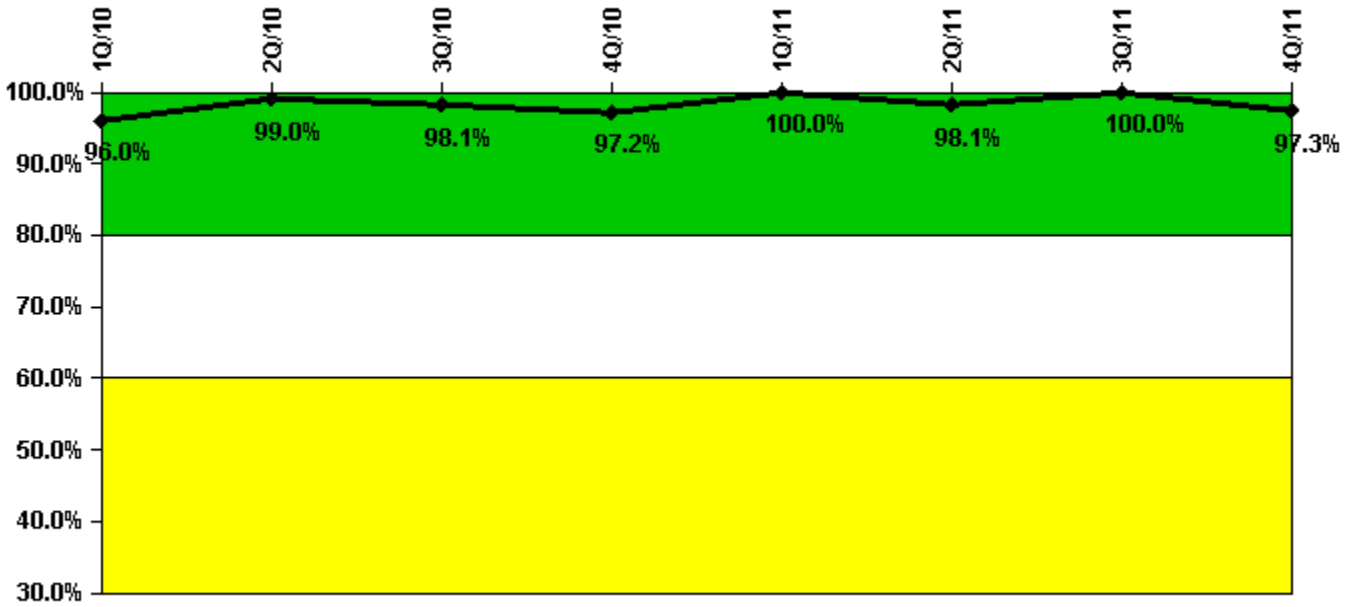
Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	35.0	59.0	24.0	15.0	45.0	21.0	9.0	28.0
Total opportunities	37.0	60.0	24.0	17.0	49.0	22.0	9.0	28.0
Indicator value	94.7%	95.2%	96.2%	96.8%	96.2%	96.2%	95.8%	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



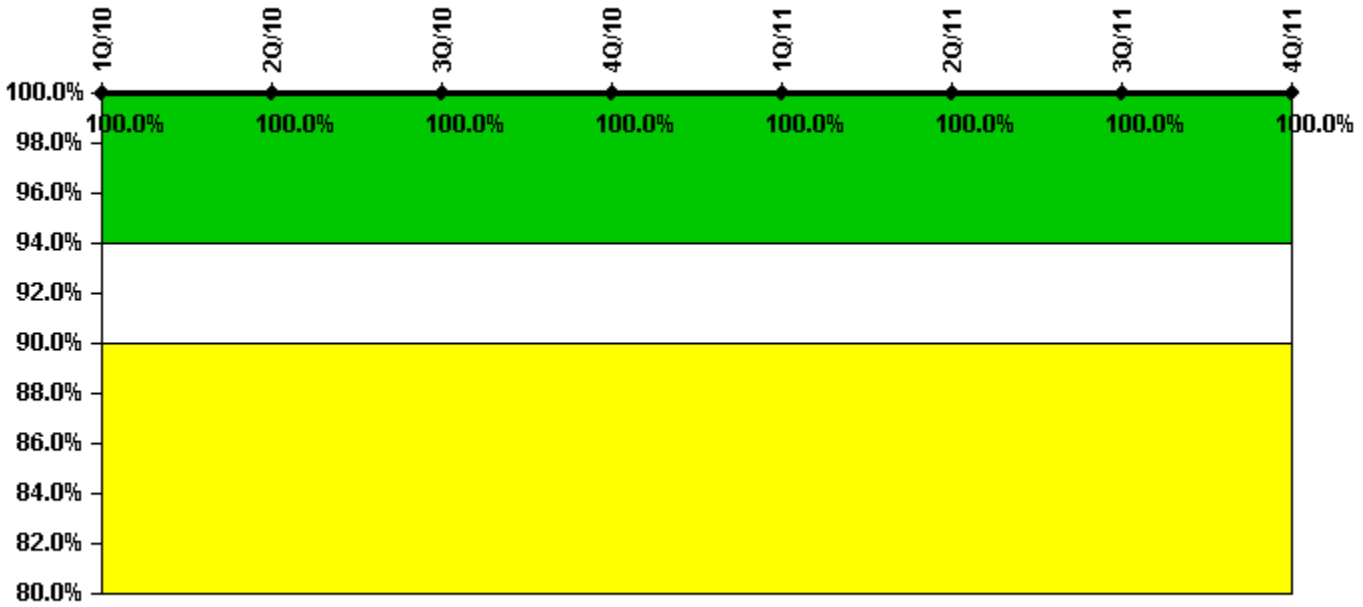
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	97.0	102.0	101.0	104.0	107.0	102.0	104.0	110.0
Total Key personnel	101.0	103.0	103.0	107.0	107.0	104.0	104.0	113.0
Indicator value	96.0%	99.0%	98.1%	97.2%	100.0%	98.1%	100.0%	97.3%

Licensee Comments: none

Alert & Notification System



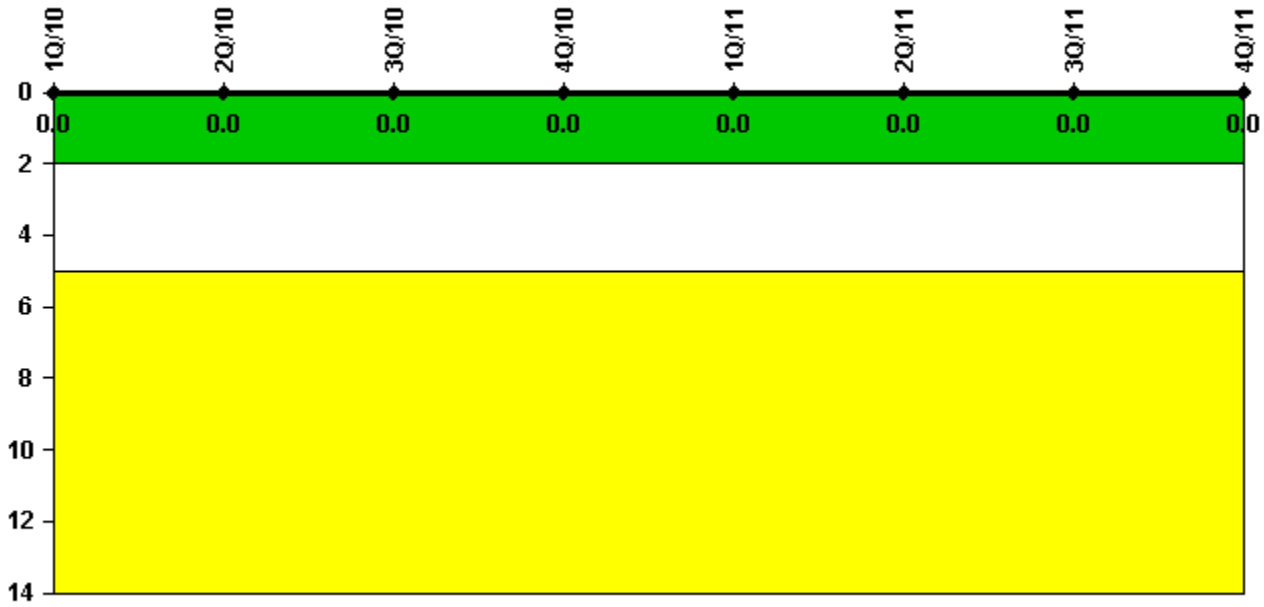
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	1048	917	1310	917	1048	917	1309	917
Total sirens-tests	1048	917	1310	917	1048	917	1310	917
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

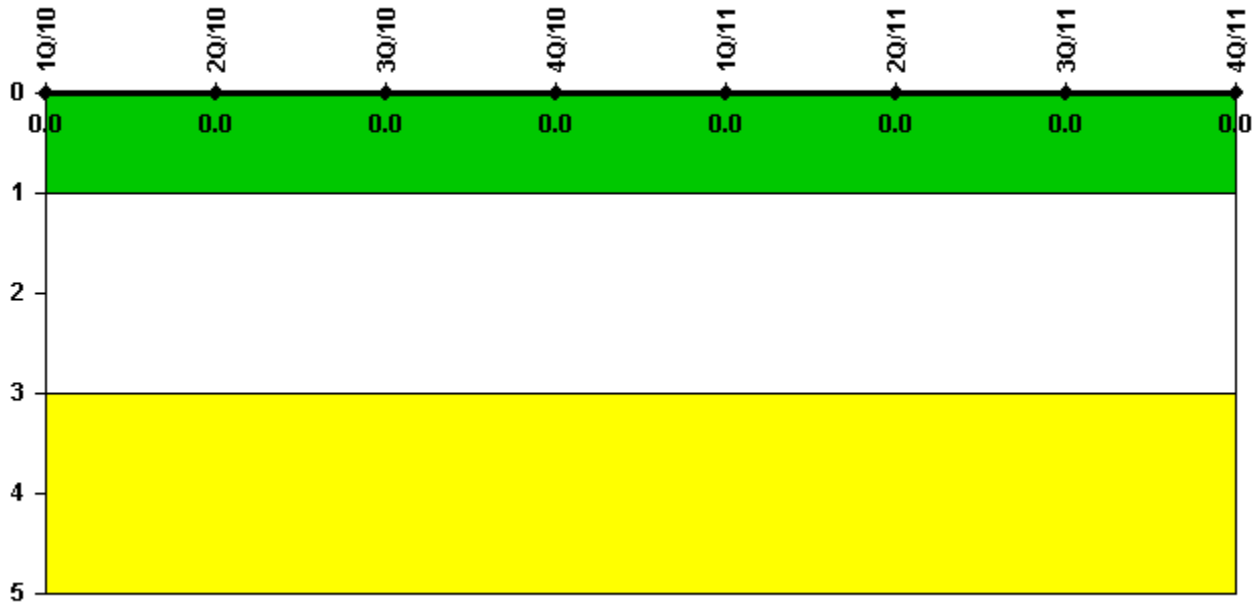
Notes

Occupational Exposure Control Effectiveness	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
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:

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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/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.

Diablo Canyon 1

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



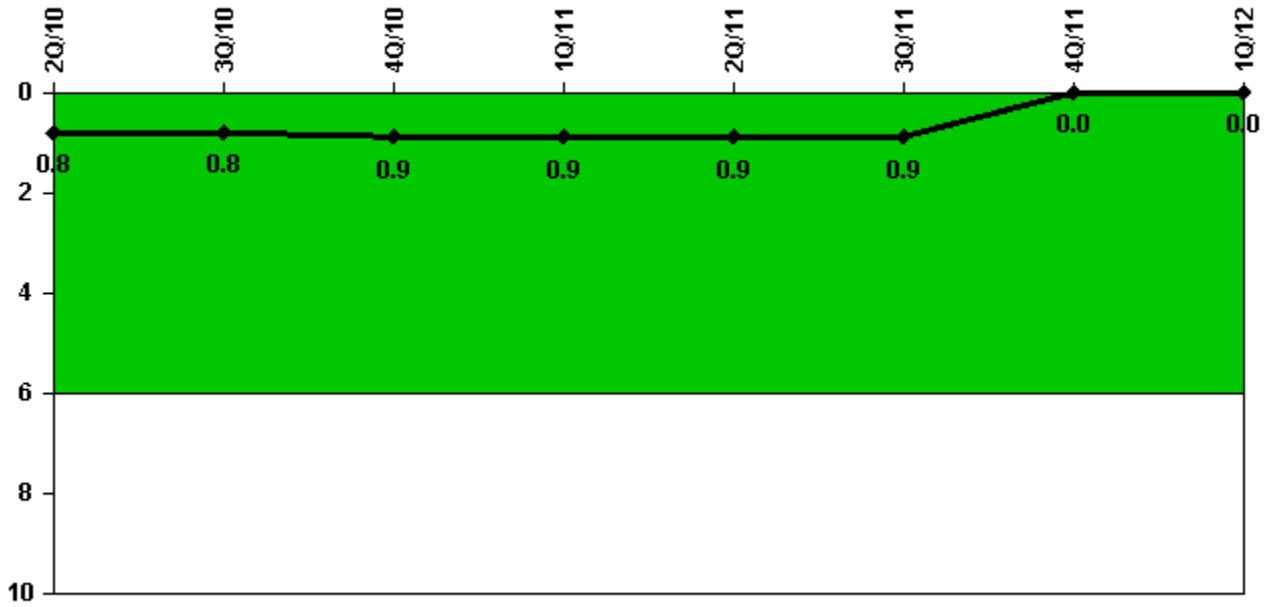
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2184.0	2208.0	1282.4	2159.0	2184.0	2208.0	2209.0	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

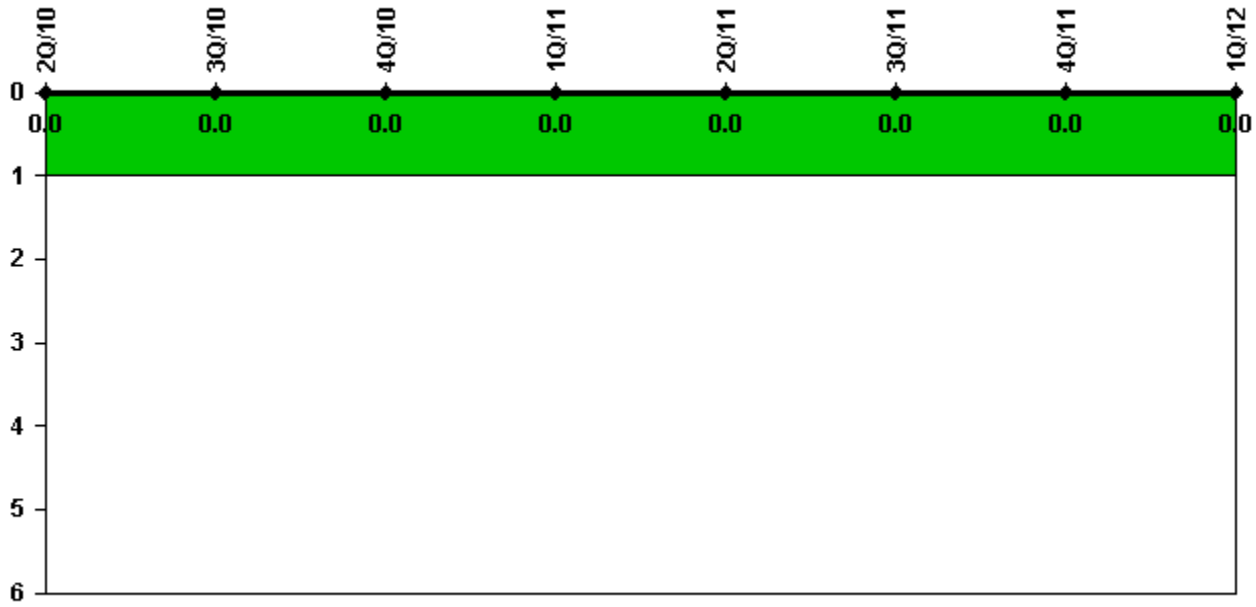
Notes

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	2184.0	2208.0	1282.4	2159.0	2184.0	2208.0	2209.0	2183.0
Indicator value	0.8	0.8	0.9	0.9	0.9	0.9	0	0

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



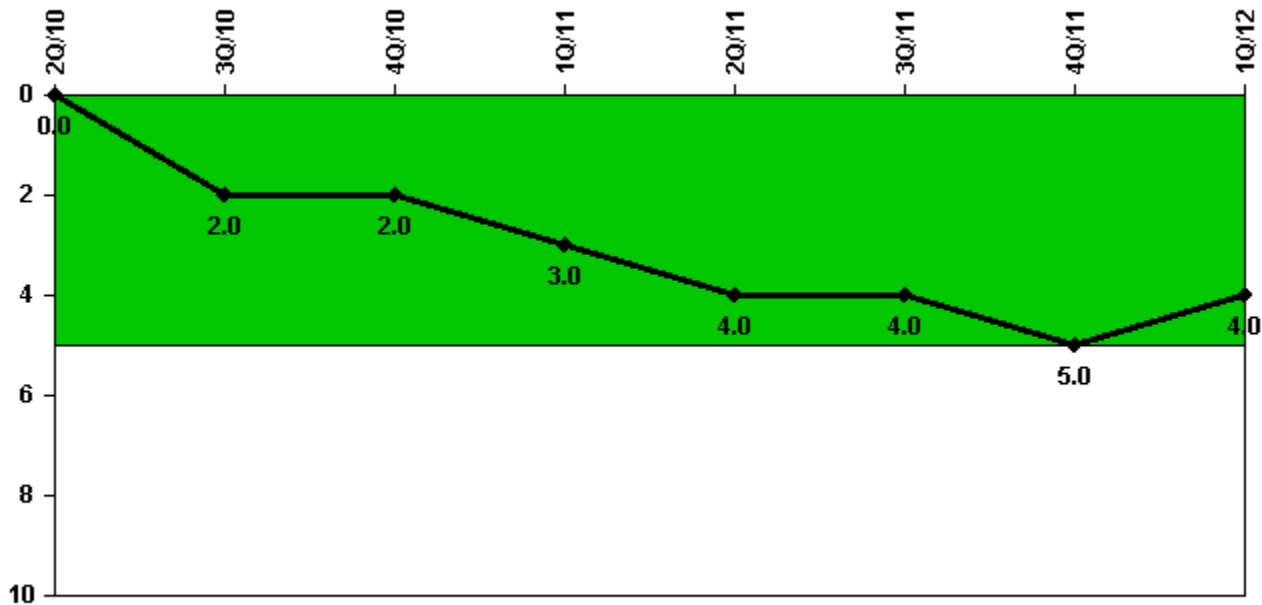
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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	2	0	1	1	2	1	0
Indicator value	0	2	2	3	4	4	5	4

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.

3Q/11: Unit 1 LER 1-2011-005-00, "Emergency Diesel Generator Actuations Upon Loss of 230 kV Startup Due to Electrical Maintenance Testing Activities," was sent on July 22, 2011. These two events represent 2 SSFFs.

2Q/11: LER 1-2011-004-00, "Emergency Diesel Generators Actuated Upon 230 kV Isolation Due to Maintenance Activities on Relay Panel" was sent on June 30, 2011.

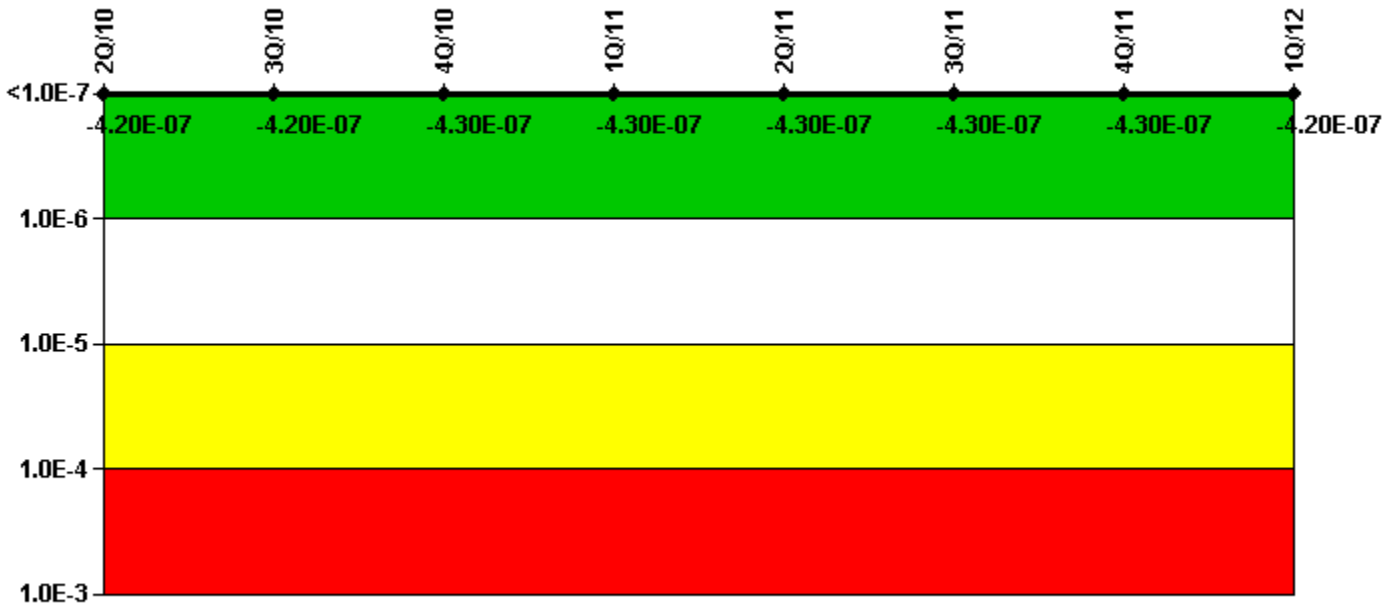
1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1, but this was clarified as a SSFF for U2 only per PG&E letter DCL-11-134 on December 16, 2011. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

3Q/10: LER 1-2010-002-01 "Potential Loss of Safety-Related Pumps due to Degraded Voltage," July, 2010; LER 1-2010-003-00 "230 kV Historical Evaluation of Condition Prohibited by TS," August, 2010 are SSFFs during the last 4 quarters

2Q/10: LER 1-2010-002 was submitted May 10, 2010. While SSFF was not specifically addressed, it meets the NEI 99-02 guidance. A supplemental LER was submitted July 2, 2010 and provides additional detail including specifying SSFF. It will be counted in July.

Mitigating Systems Performance Index, Emergency AC Power System



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

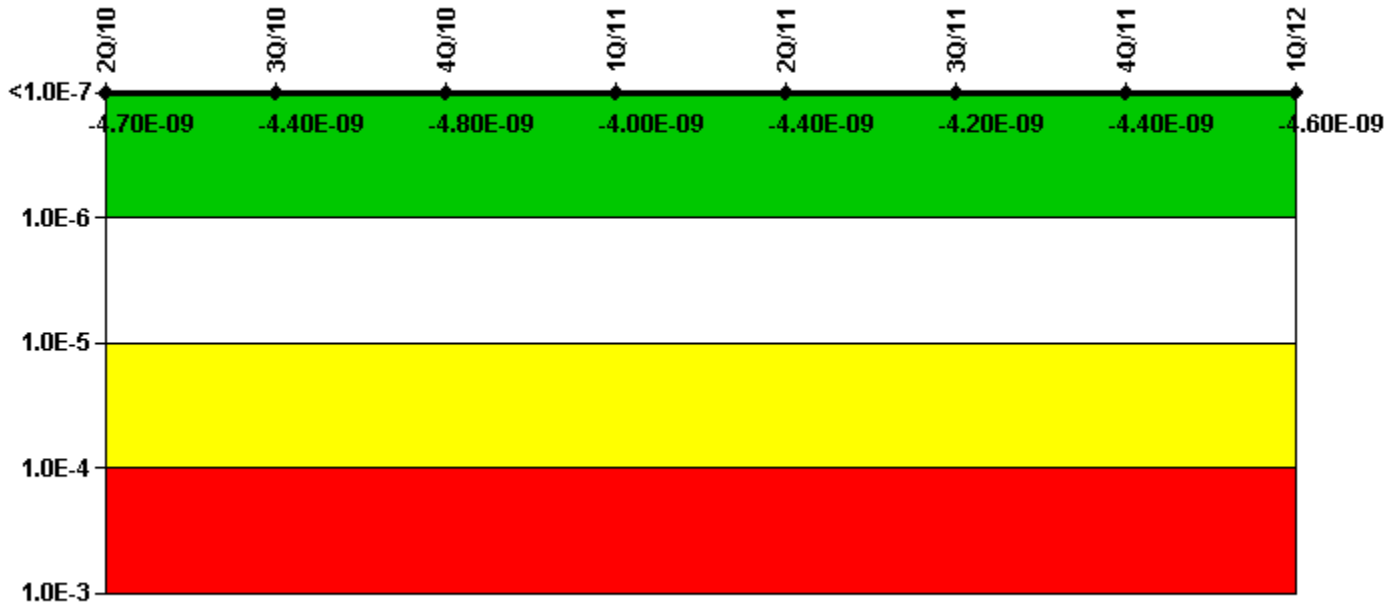
Notes

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)	-2.69E-09	-2.73E-09	-5.01E-09	-5.00E-09	-5.00E-09	-2.02E-09	-7.77E-09	-1.01E-09
URI (Δ CDF)	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.23E-07	-4.23E-07	-4.23E-07	-4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.20E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.20E-07

Licensee Comments:

2Q/11: After a conversation with an MSPI working group member it was decided that DCPD needed to report the Unit 1 Emergency Diesel starts during 2R16 as MSPI actual ESF actuations. Reported 7/25/11

Mitigating Systems Performance Index, High Pressure Injection System



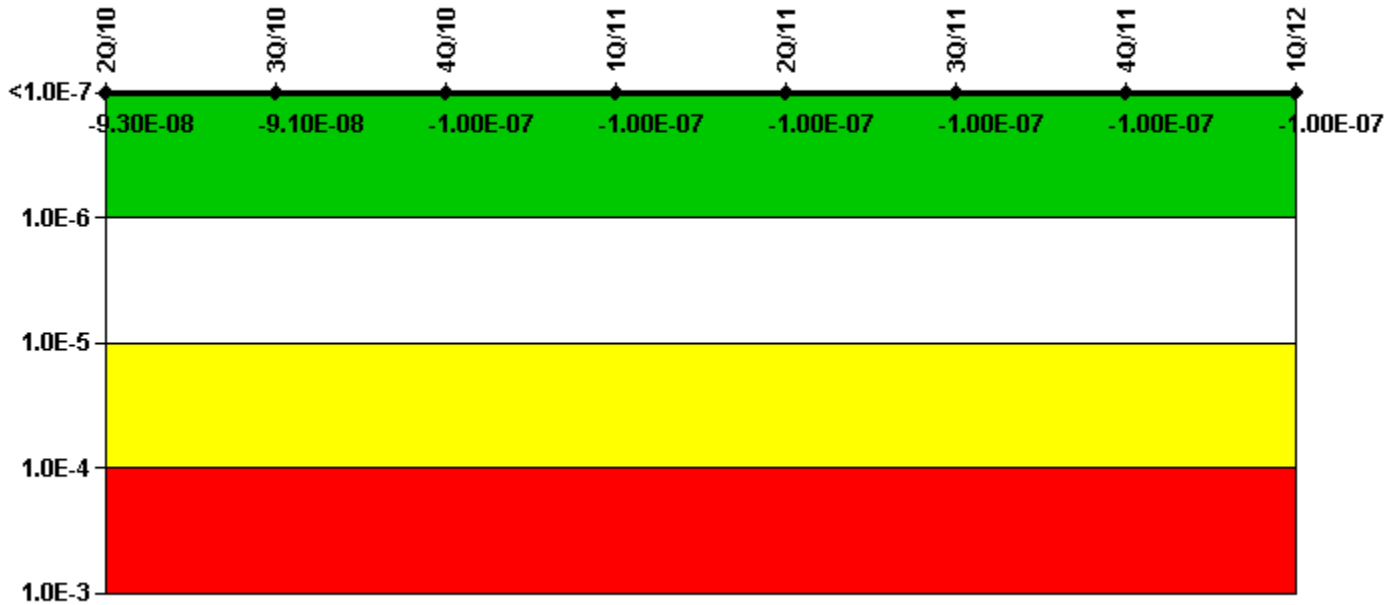
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-3.29E-09	-3.01E-09	-3.36E-09	-2.62E-09	-2.94E-09	-2.75E-09	-2.98E-09	-3.21E-09
URI (Δ CDF)	-1.45E-09	-1.44E-09	-1.43E-09	-1.42E-09	-1.41E-09	-1.40E-09	-1.40E-09	-1.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.70E-09	-4.40E-09	-4.80E-09	-4.00E-09	-4.40E-09	-4.20E-09	-4.40E-09	-4.60E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



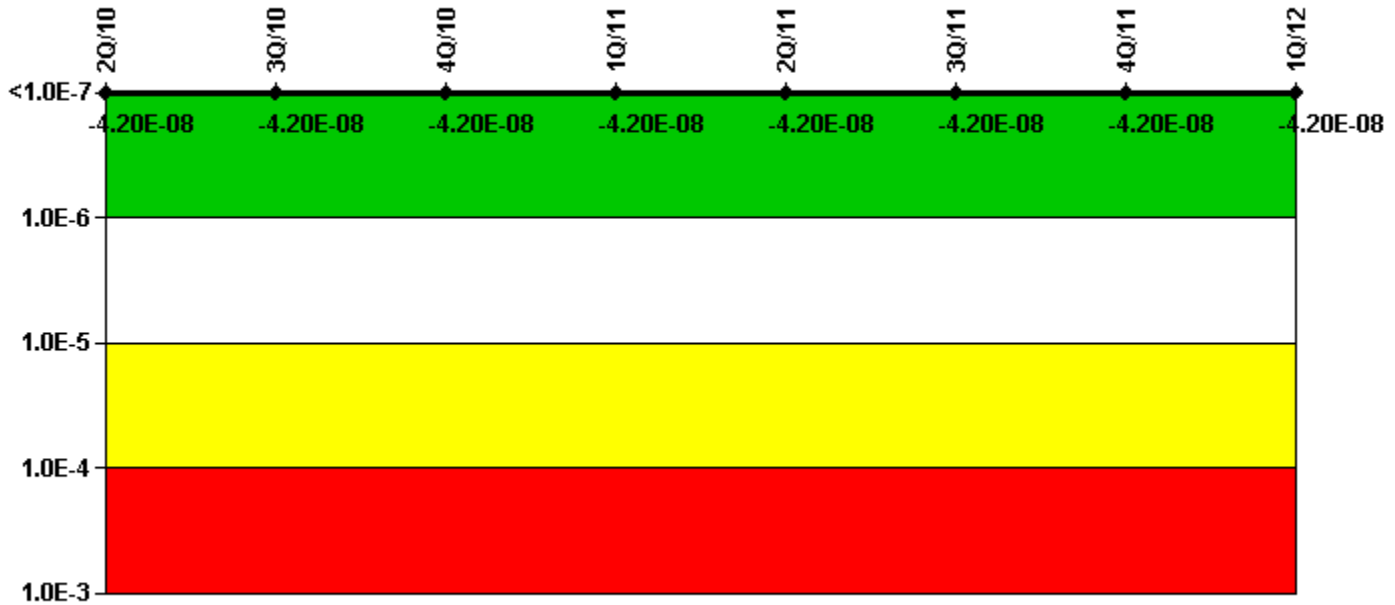
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-8.81E-09	-7.27E-09	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.92E-08
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.30E-08	-9.10E-08	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



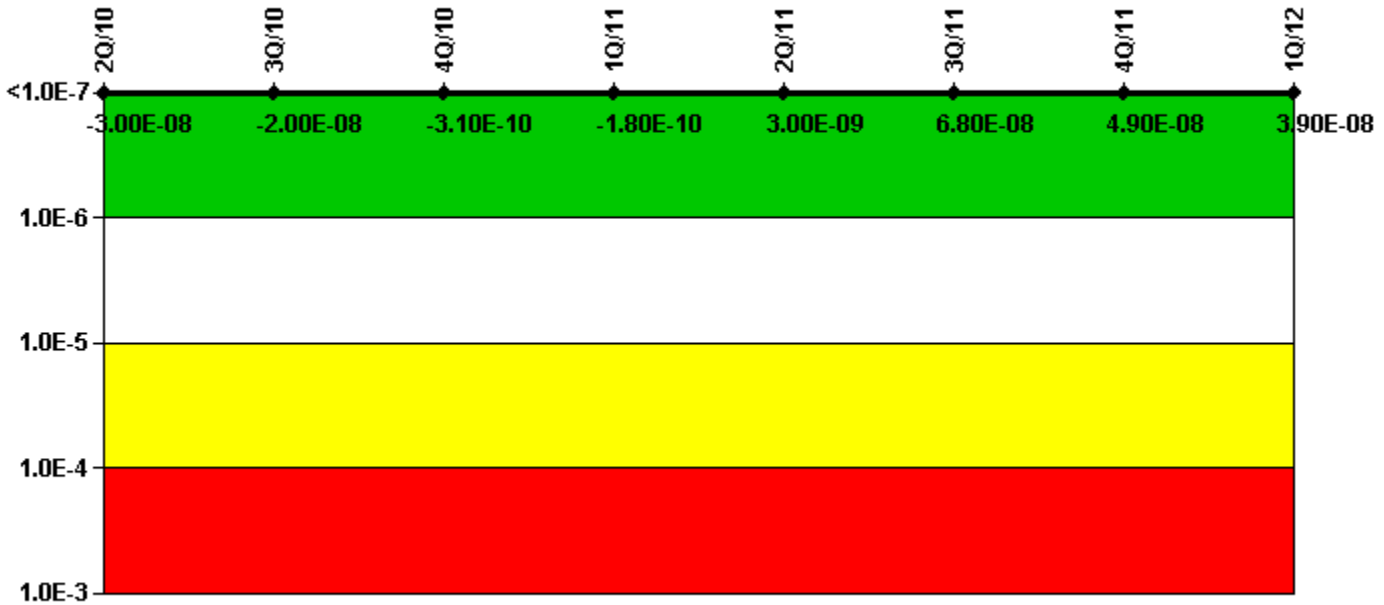
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



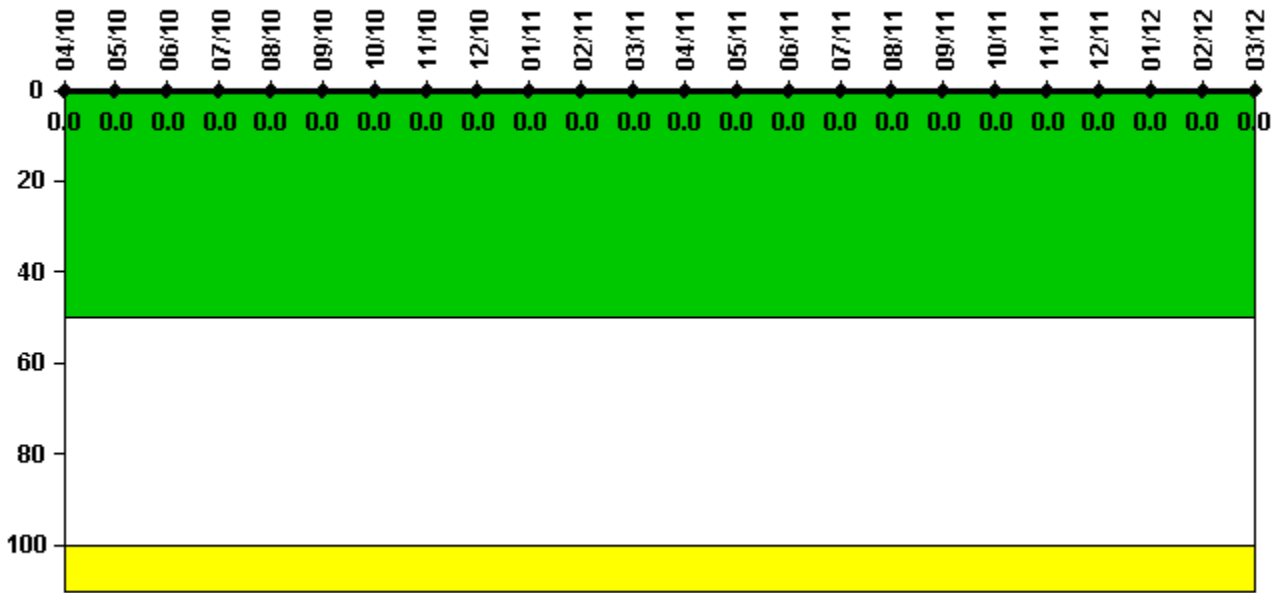
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	$-2.56E-09$	$6.81E-09$	$2.67E-08$	$2.68E-08$	$3.00E-08$	$9.48E-08$	$7.62E-08$	$6.65E-08$
URI (Δ CDF)	$-2.70E-08$	$-2.70E-08$	$-2.70E-08$	$-2.70E-08$	$-2.70E-08$	$-2.70E-08$	$-2.70E-08$	$-2.70E-08$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-3.00E-08$	$-2.00E-08$	$-3.10E-10$	$-1.80E-10$	$3.00E-09$	$6.80E-08$	$4.90E-08$	$3.90E-08$

Licensee Comments: none

Reactor Coolant System Activity



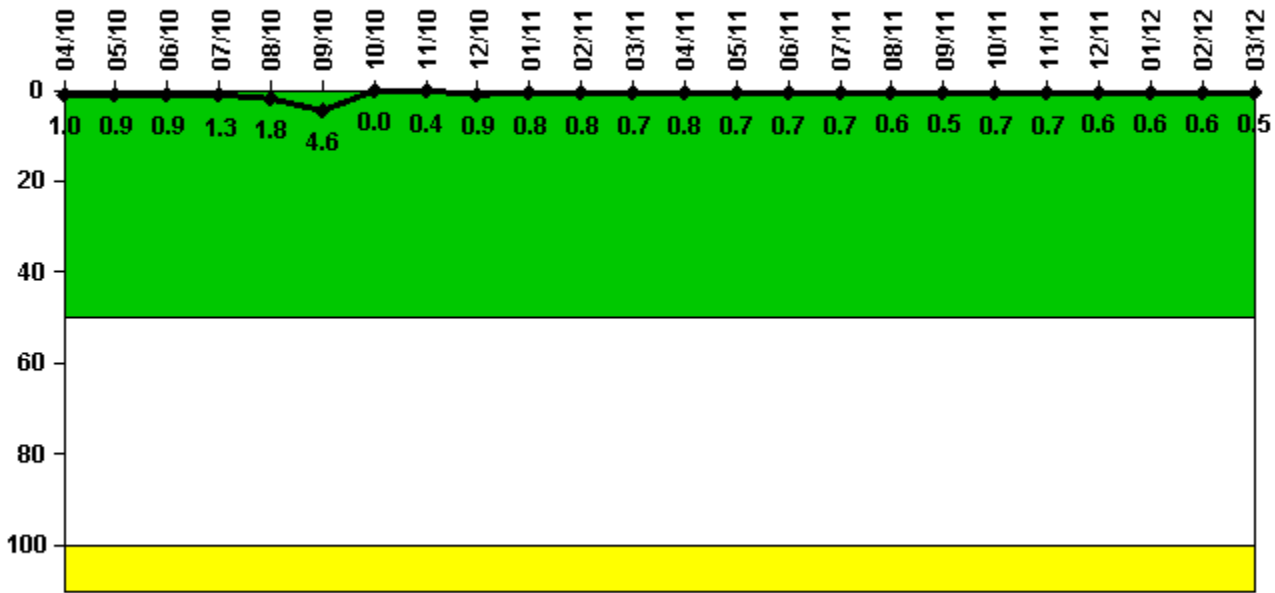
Thresholds: White > 50.0 Yellow > 100.0

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	0.000123	0.000223	0.000192	0.000146	0.000131	0.000117	0.000089	0.000065	0.000070	0.000085	0.000071	0.000085
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
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	0.000091	0.000091	0.000104	0.000095	0.000100	0.000104	0.000115	0.000105	0.000115	0.000128	0.000120	0.000116
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



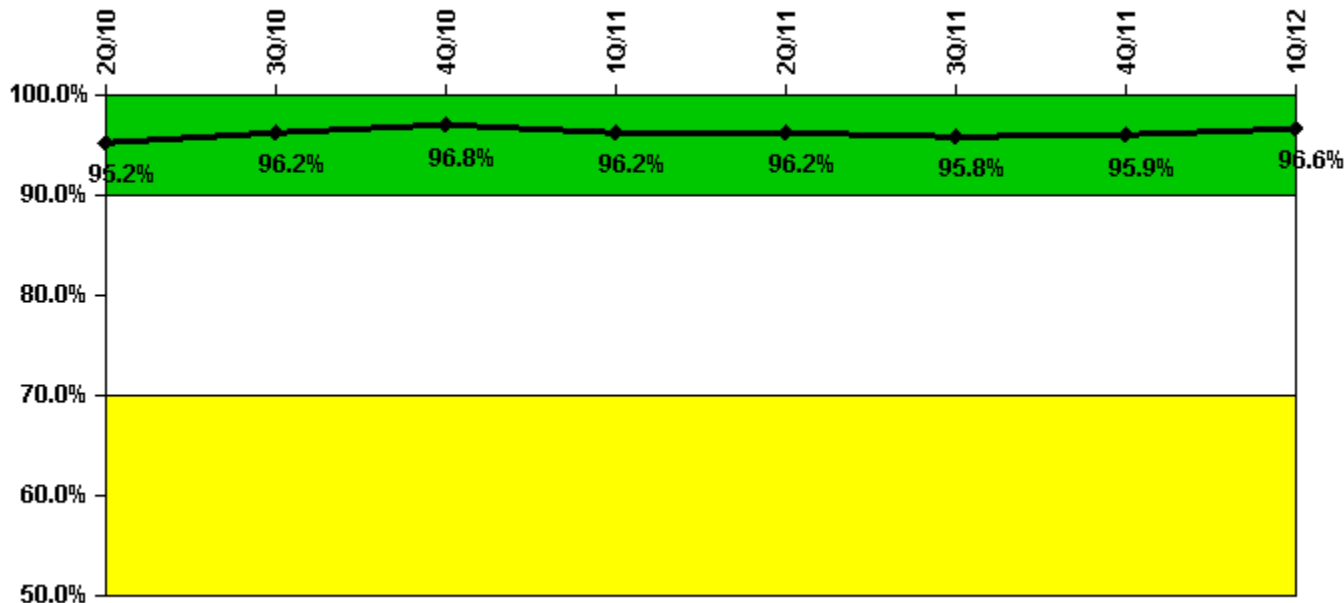
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.095	0.093	0.085	0.129	0.175	0.458	0	0.042	0.093	0.075	0.078	0.069
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	1.0	0.9	0.9	1.3	1.8	4.6	0	0.4	0.9	0.8	0.8	0.7
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	0.083	0.072	0.066	0.068	0.059	0.046	0.066	0.069	0.059	0.058	0.059	0.046
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	0.7	0.7	0.7	0.6	0.5	0.7	0.7	0.6	0.6	0.6	0.5

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

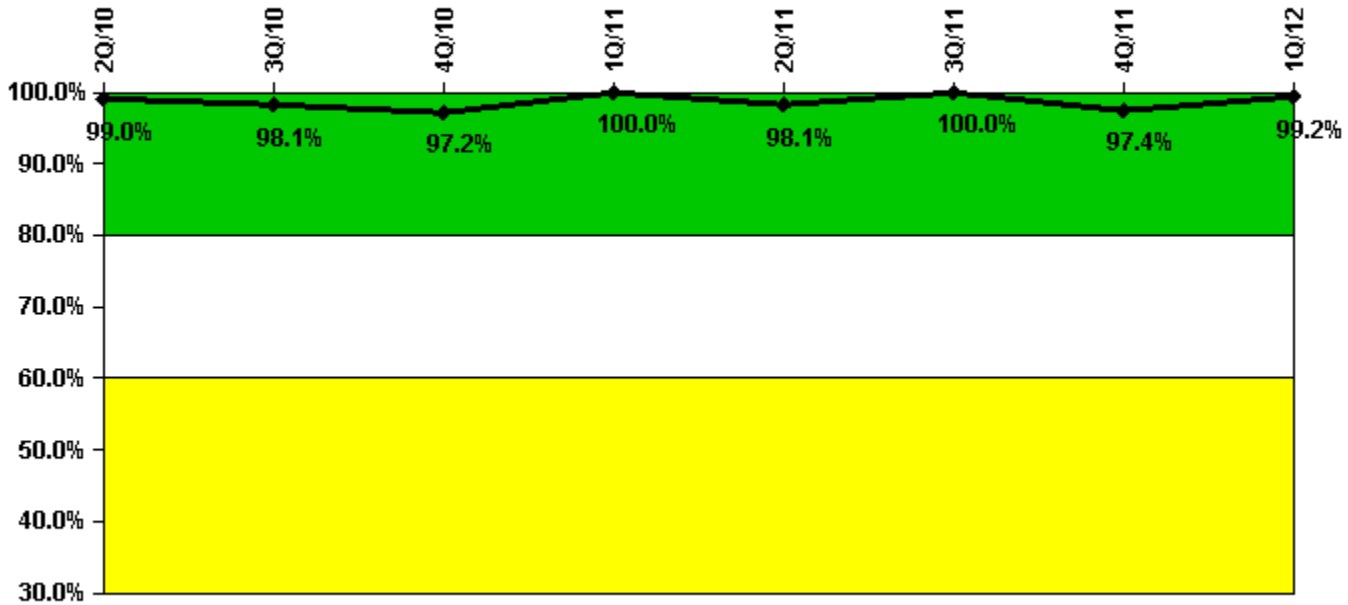
Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	59.0	24.0	15.0	45.0	21.0	9.0	28.0	57.0
Total opportunities	60.0	24.0	17.0	49.0	22.0	9.0	28.0	58.0
Indicator value	95.2%	96.2%	96.8%	96.2%	96.2%	95.8%	95.9%	96.6%

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.

3Q/10: 1Q2010 data was amended to add two successful drill opportunities in response to an NRC inspection, with no affect on color.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

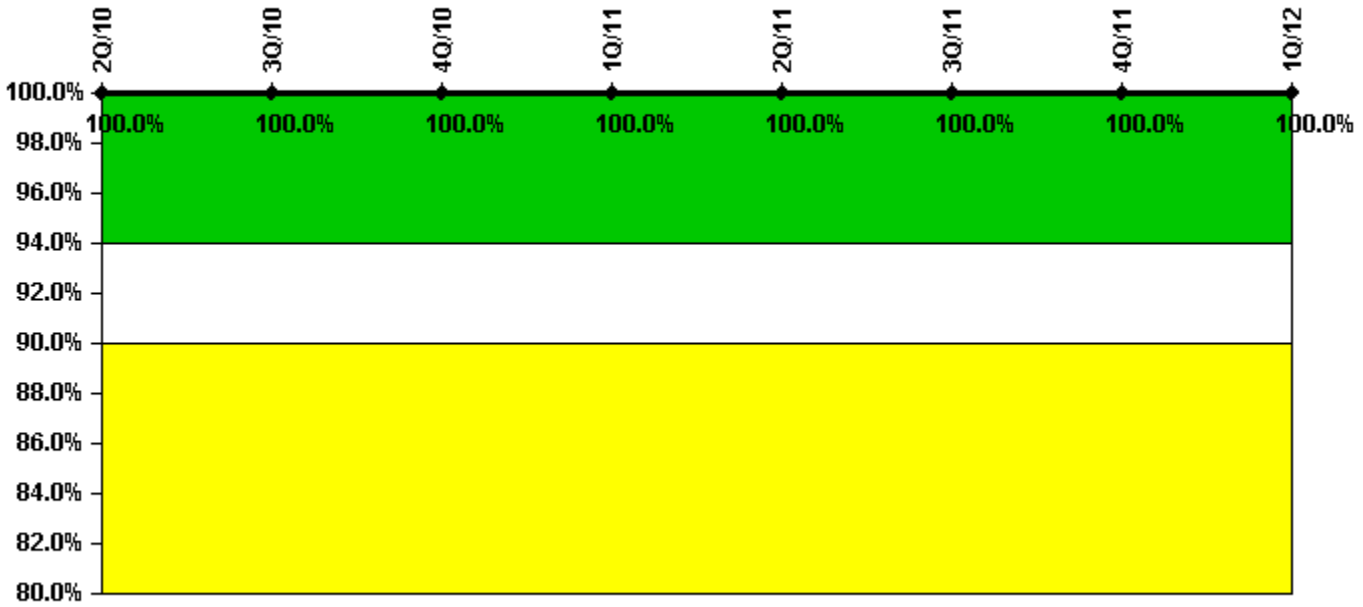
Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	102.0	101.0	104.0	107.0	102.0	104.0	111.0	117.0
Total Key personnel	103.0	103.0	107.0	107.0	104.0	104.0	114.0	118.0
Indicator value	99.0%	98.1%	97.2%	100.0%	98.1%	100.0%	97.4%	99.2%

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



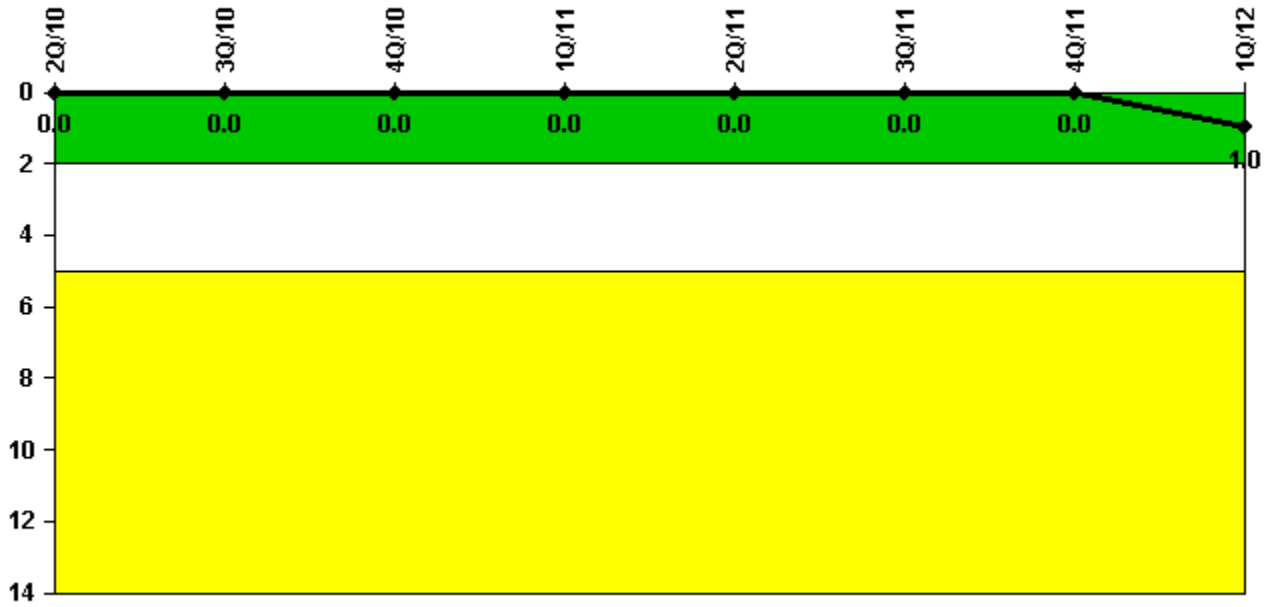
Thresholds: White < 94.0% Yellow < 90.0%

Notes

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

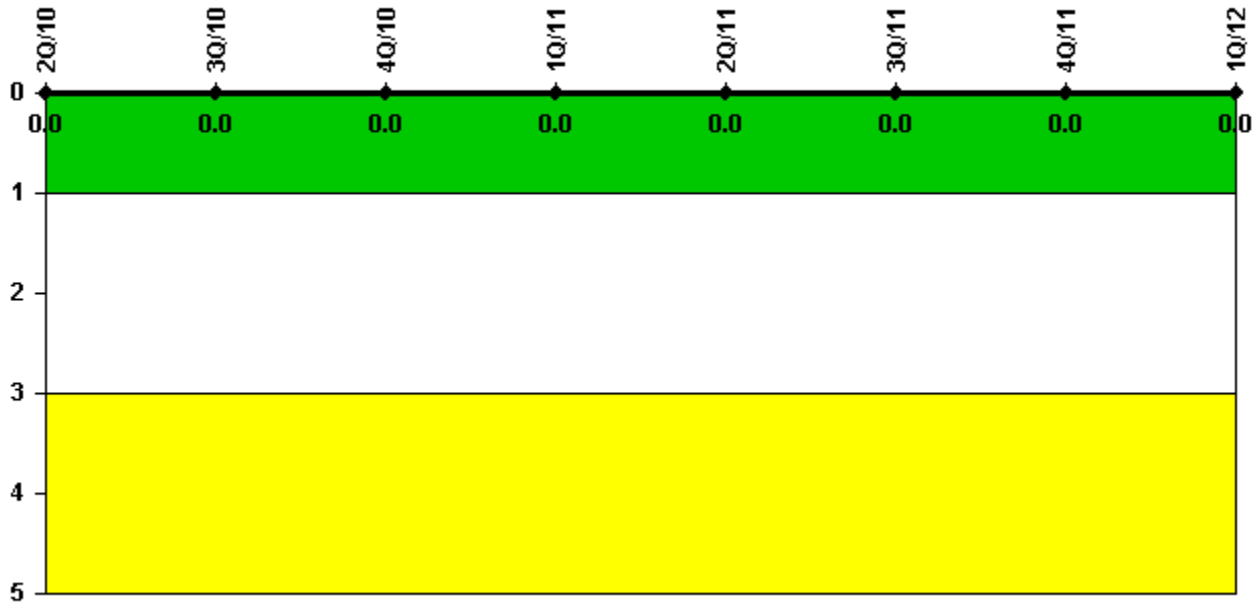
Notes

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:

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	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

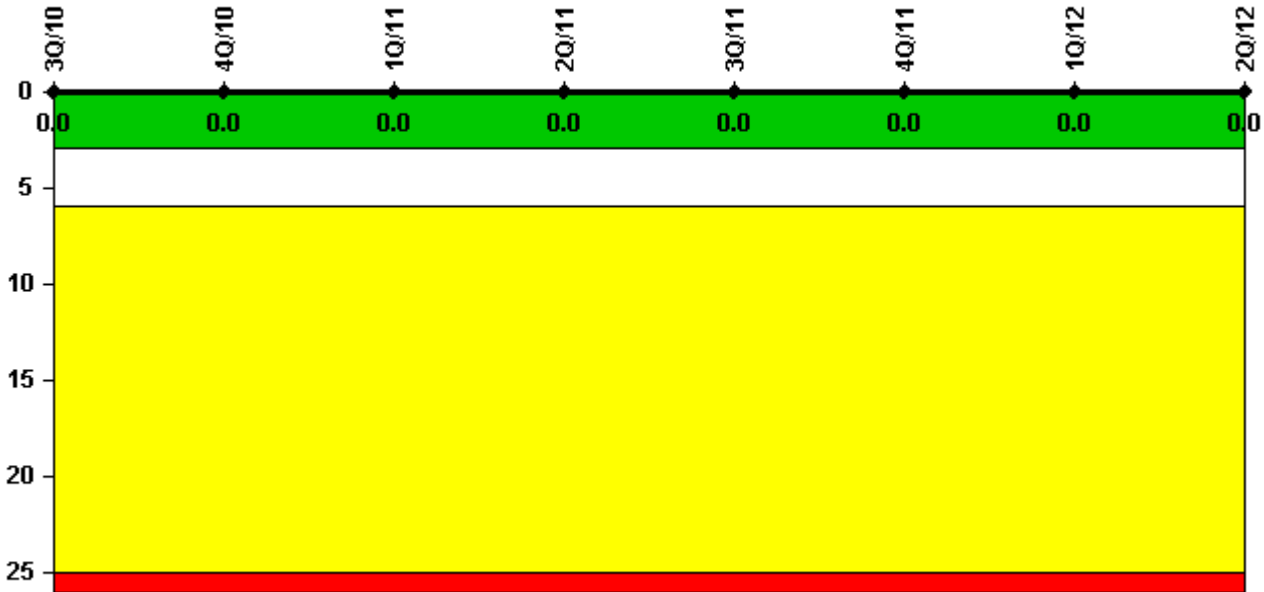
[Security](#) information not publicly available.

Diablo Canyon 1

2Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



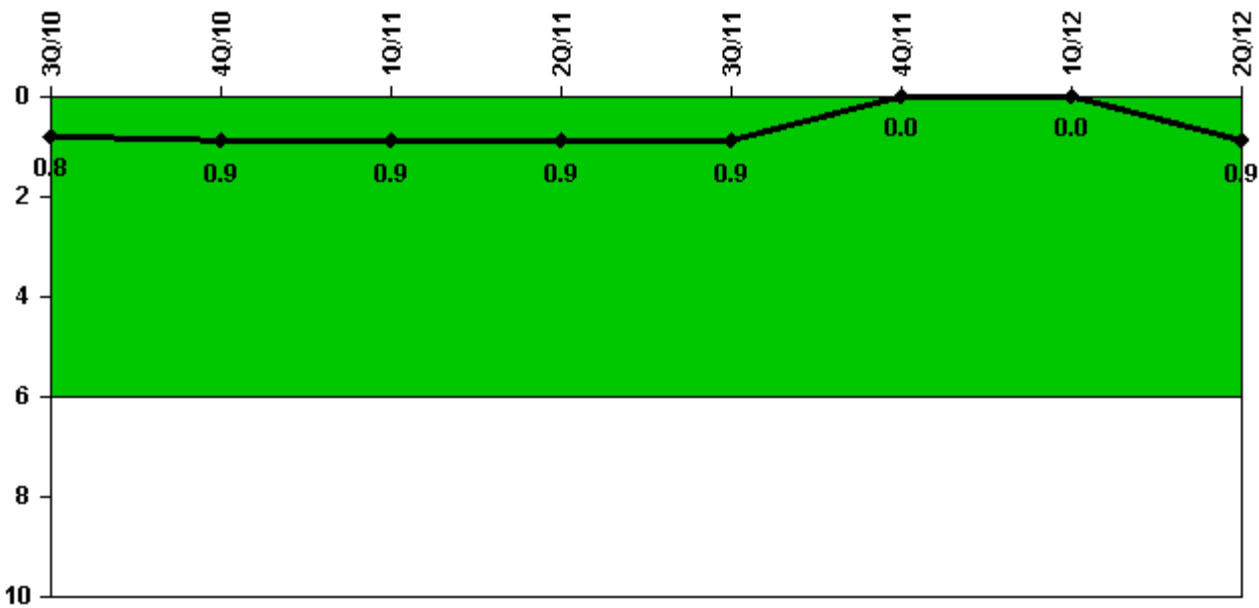
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1282.4	2159.0	2184.0	2208.0	2209.0	2183.0	893.4
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

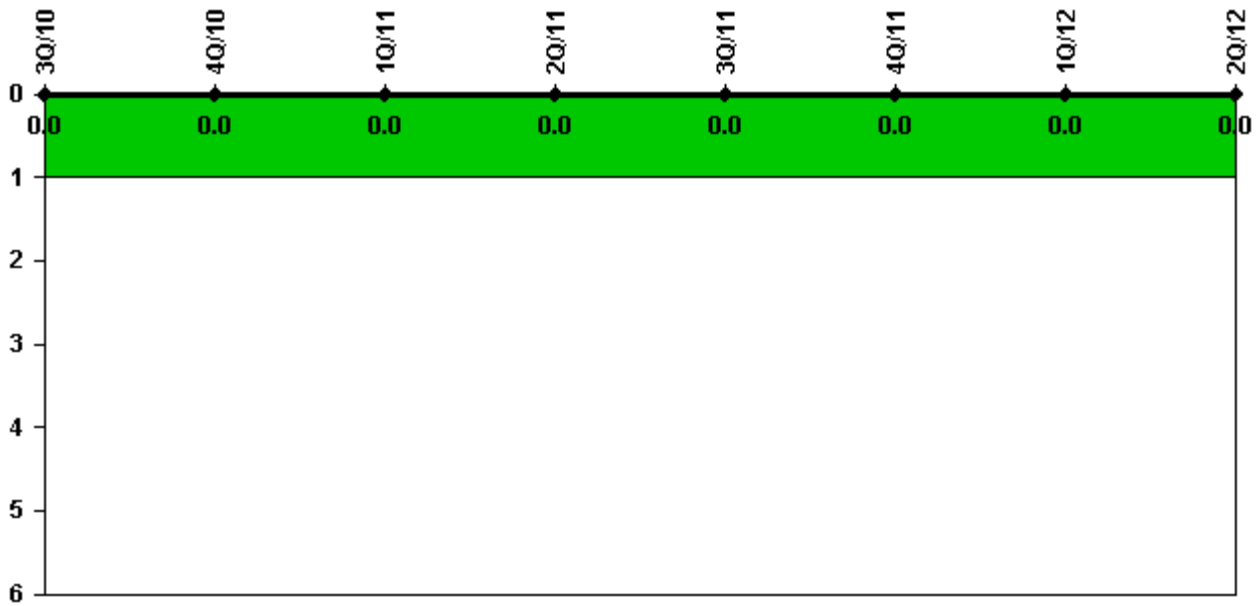
Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	1.0	0	0	0	0	0	1.0
Critical hours	2208.0	1282.4	2159.0	2184.0	2208.0	2209.0	2183.0	893.4
Indicator value	0.8	0.9	0.9	0.9	0.9	0	0	0.9

Licensee Comments:

2Q/12: On June 19, 2012, during power ascension following refueling outage 17, operators noted high vibration in a main feedwater pump, and reduced power to facilitate corrective maintenance (unplanned power change). Reference SAPN 50492737.

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



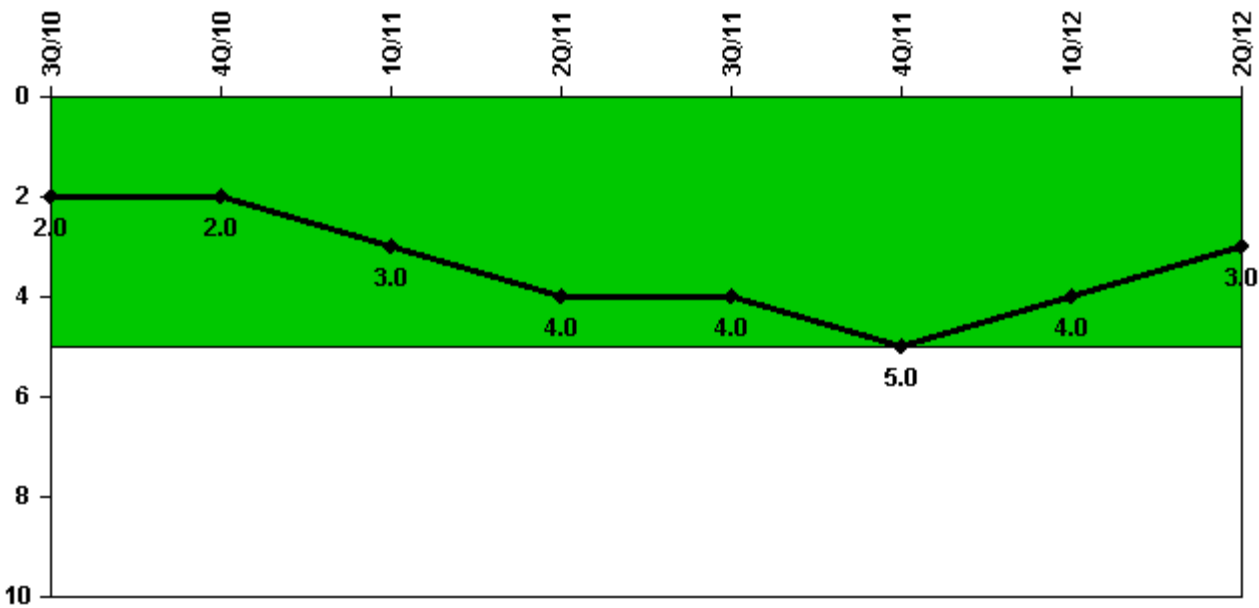
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/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)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	2	0	1	1	2	1	0	0
Indicator value	2	2	3	4	4	5	4	3

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.

3Q/11: Unit 1 LER 1-2011-005-00, "Emergency Diesel Generator Actuations Upon Loss of 230 kV Startup Due to Electrical Maintenance Testing Activities," was sent on July 22, 2011. These two events represent 2 SSFFs.

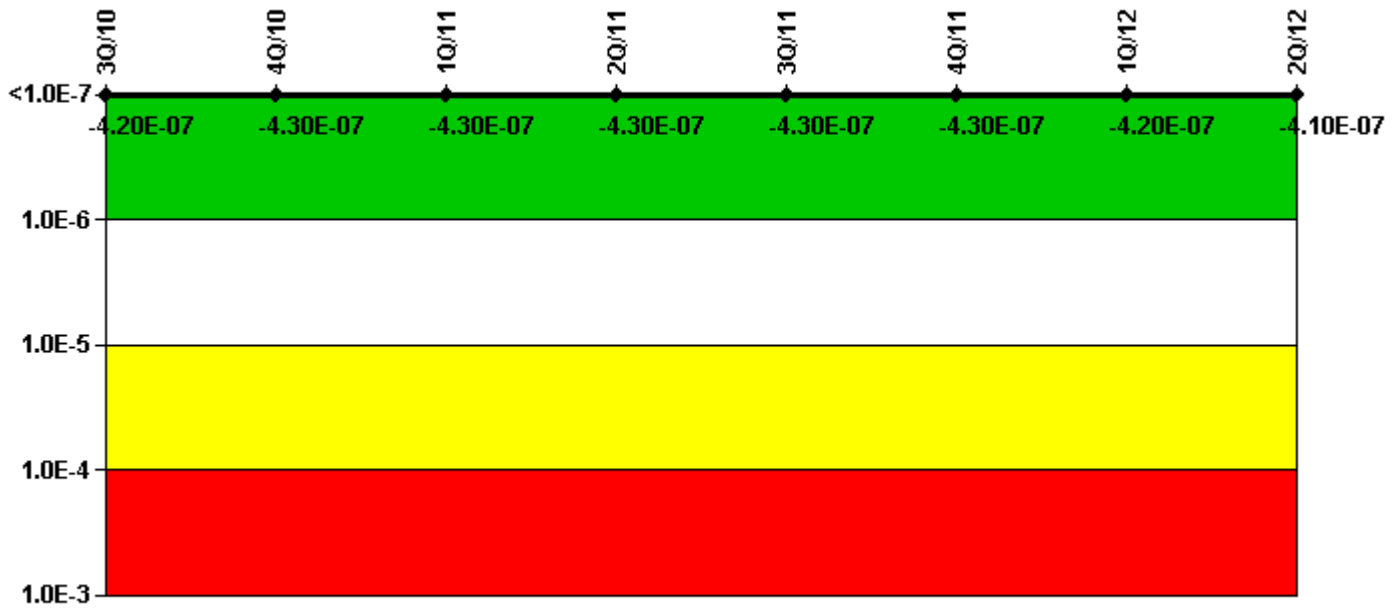
2Q/11: LER 1-2011-004-00, "Emergency Diesel Generators Actuated Upon 230 kV Isolation Due to Maintenance Activities on Relay Panel" was sent on June 30, 2011.

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1, but this was clarified as a SSFF for U2 only per PG&E letter DCL-11-134 on December 16, 2011. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

3Q/10: LER 1-2010-002-01 "Potential Loss of Safety-Related Pumps due to Degraded Voltage," July, 2010; LER 1-2010-003-00 "230 kV Historical Evaluation of Condition Prohibited by TS," August, 2010 are SSFFs during the last 4 quarters

Mitigating Systems Performance Index, Emergency AC Power System



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

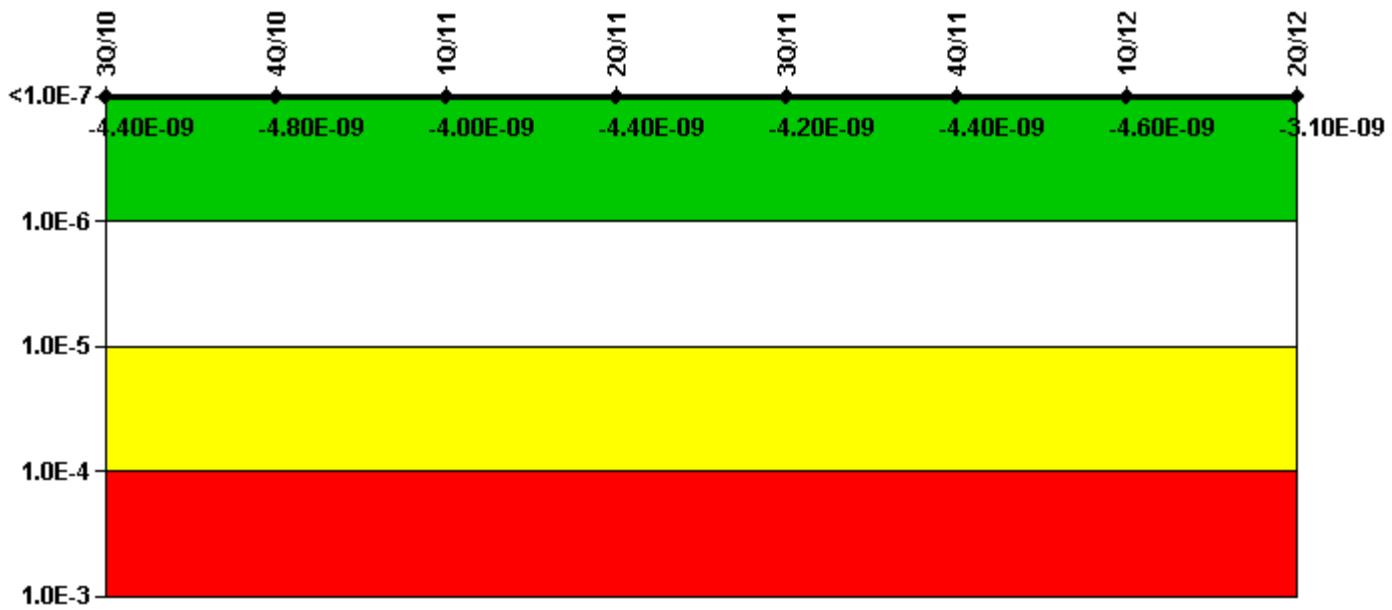
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-2.73E-09	-5.01E-09	-5.00E-09	-5.00E-09	-2.02E-09	-7.77E-09	-1.01E-09	3.71E-09
URI (ΔCDF)	-4.20E-07	-4.20E-07	-4.20E-07	-4.23E-07	-4.23E-07	-4.23E-07	-4.20E-07	-4.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.20E-07	-4.10E-07

Licensee Comments:

2Q/11: After a conversation with an MSPI working group member it was decided that DCPD needed to report the Unit 1 Emergency Diesel starts during 2R16 as MSPI actual ESF actuations. Reported 7/25/11

Mitigating Systems Performance Index, High Pressure Injection System



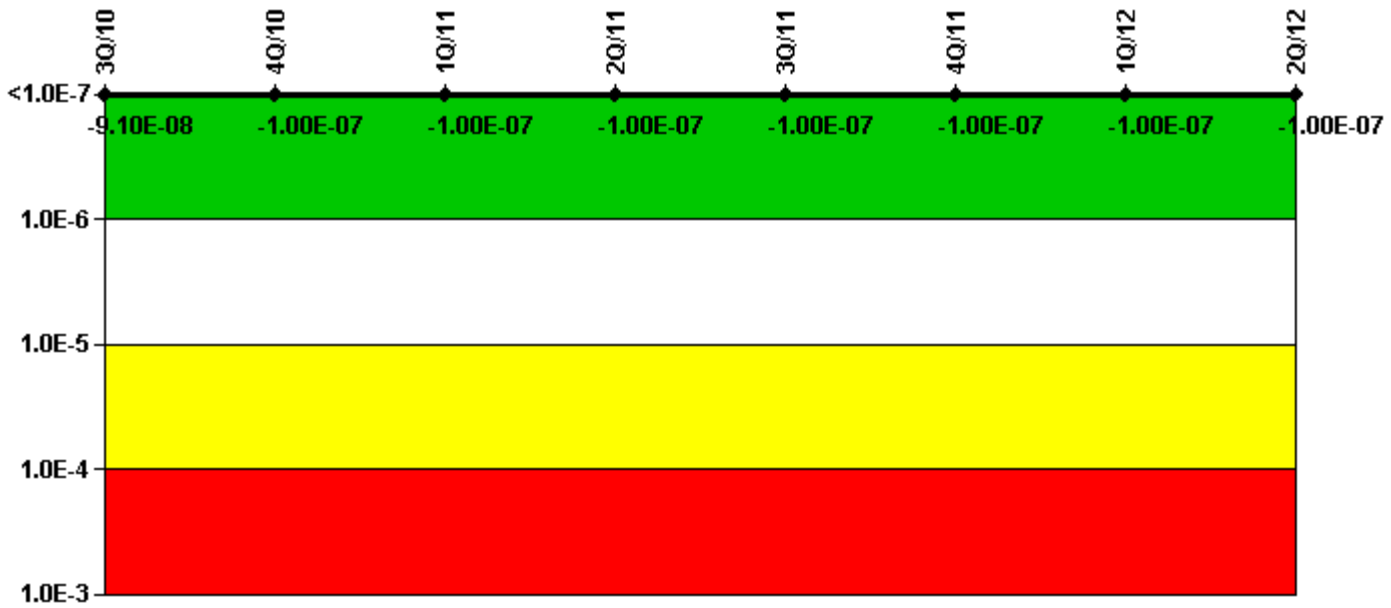
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	-3.01E-09	-3.36E-09	-2.62E-09	-2.94E-09	-2.75E-09	-2.98E-09	-3.21E-09	-1.70E-09
URI (Δ CDF)	-1.44E-09	-1.43E-09	-1.42E-09	-1.41E-09	-1.40E-09	-1.40E-09	-1.39E-09	-1.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-09	-4.80E-09	-4.00E-09	-4.40E-09	-4.20E-09	-4.40E-09	-4.60E-09	-3.10E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



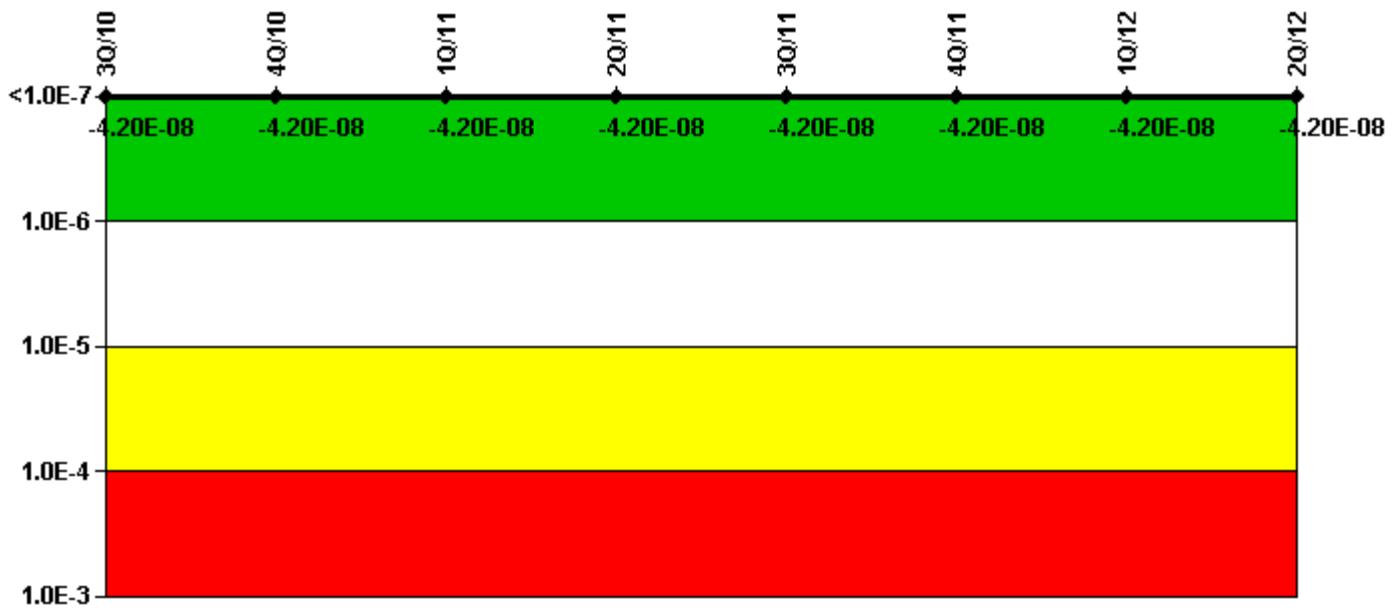
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	-7.27E-09	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.92E-08	-1.91E-08
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.10E-08	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



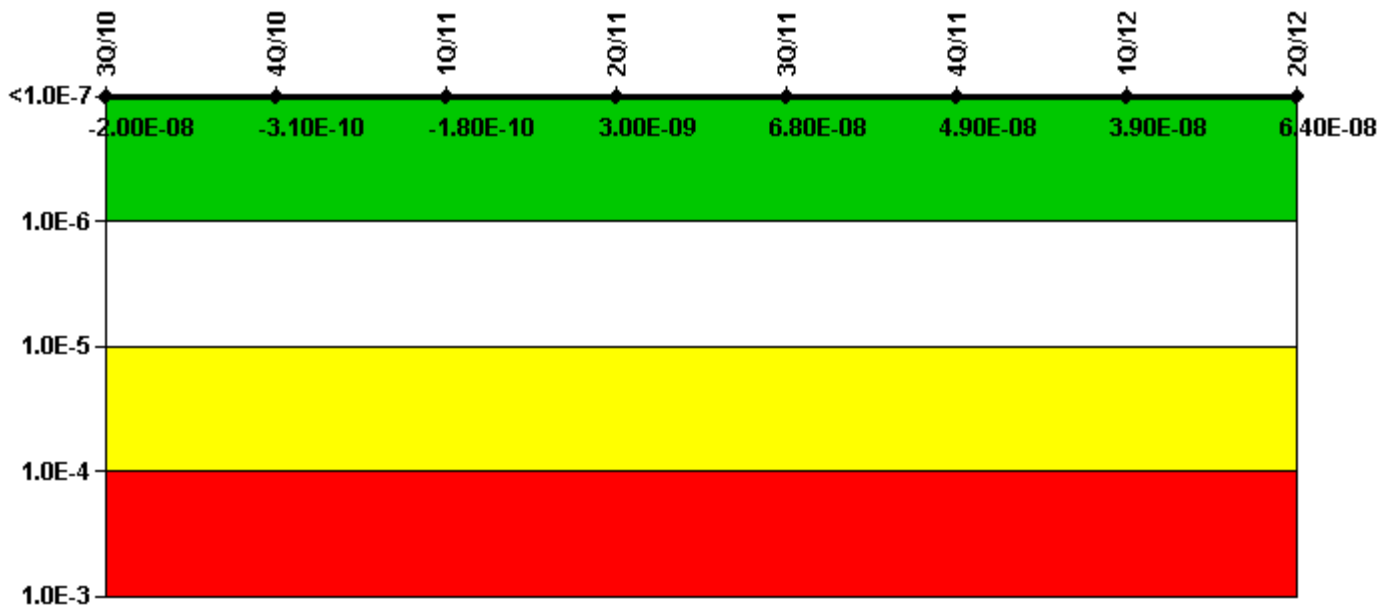
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



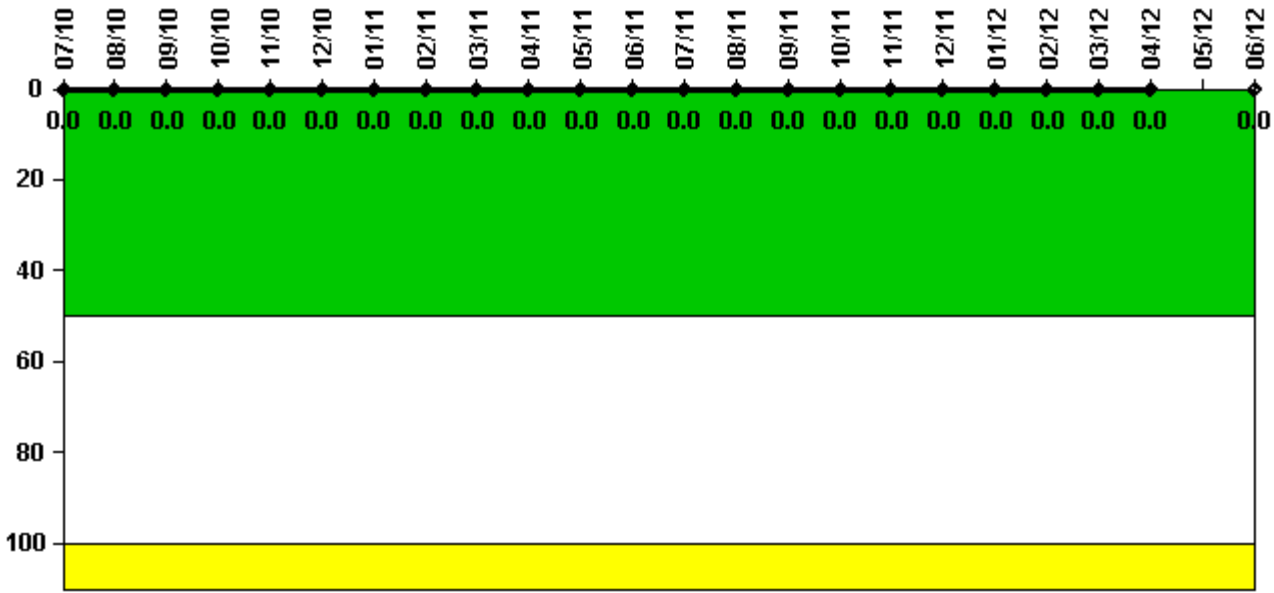
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	6.81E-09	2.67E-08	2.68E-08	3.00E-08	9.48E-08	7.62E-08	6.65E-08	9.12E-08
URI (Δ CDF)	-2.70E-08	-2.70E-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	-2.00E-08	-3.10E-10	-1.80E-10	3.00E-09	6.80E-08	4.90E-08	3.90E-08	6.40E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

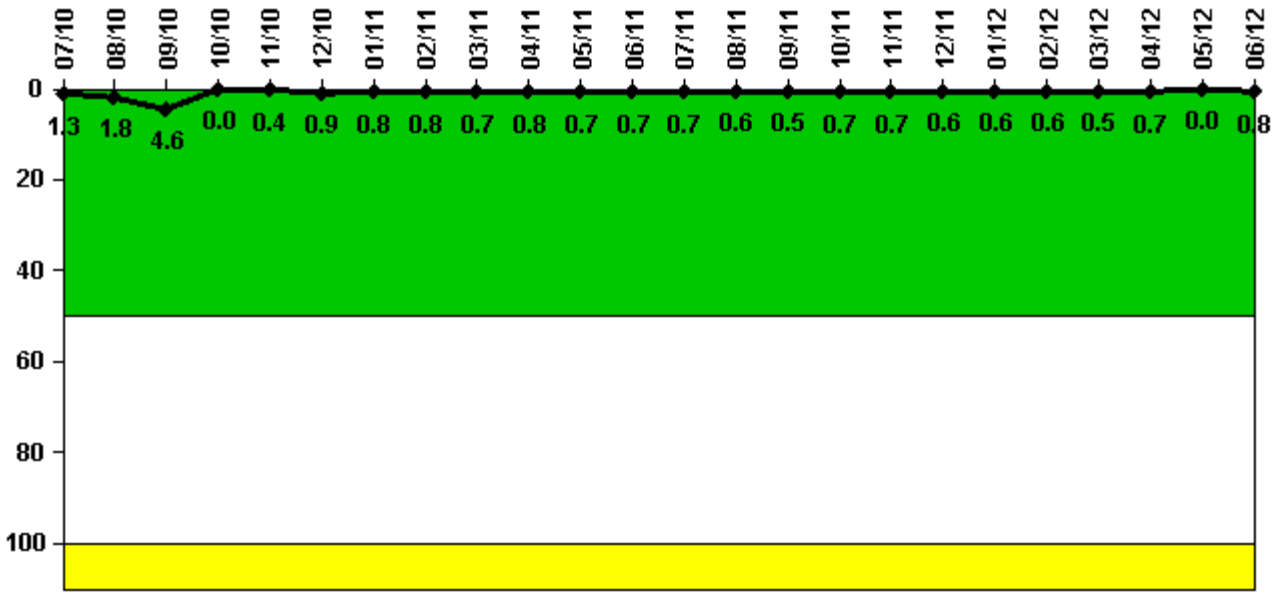
Notes

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	0.000146	0.000131	0.000117	0.000089	0.000065	0.000070	0.000085	0.000071	0.000085	0.000091	0.000091	0.000104
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

Reactor Coolant System Activity	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum activity	0.000095	0.000100	0.000104	0.000115	0.000105	0.000115	0.000128	0.000120	0.000116	0.000090	N/A	0.000055
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	N/A	0

Licensee Comments: none

Reactor Coolant System Leakage



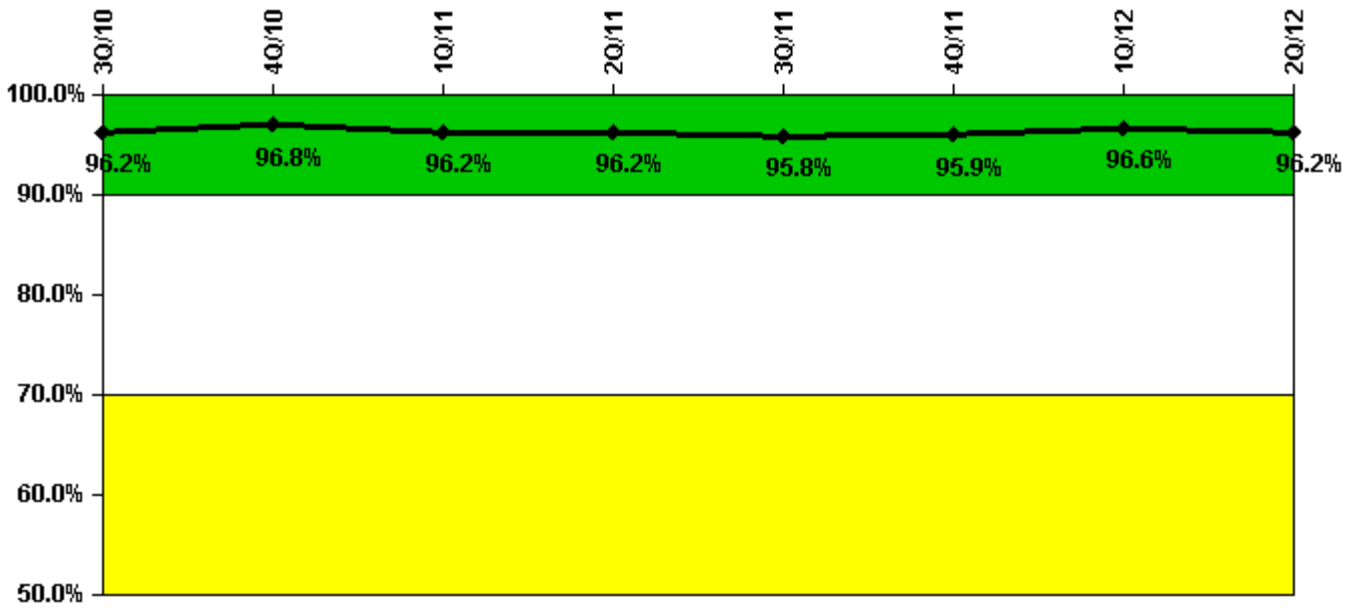
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.129	0.175	0.458	0	0.042	0.093	0.075	0.078	0.069	0.083	0.072	0.066
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	1.3	1.8	4.6	0	0.4	0.9	0.8	0.8	0.7	0.8	0.7	0.7
Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	0.068	0.059	0.046	0.066	0.069	0.059	0.058	0.059	0.046	0.070	0	0.075
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	0.7	0.6	0.5	0.7	0.7	0.6	0.6	0.6	0.5	0.7	0	0.8

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

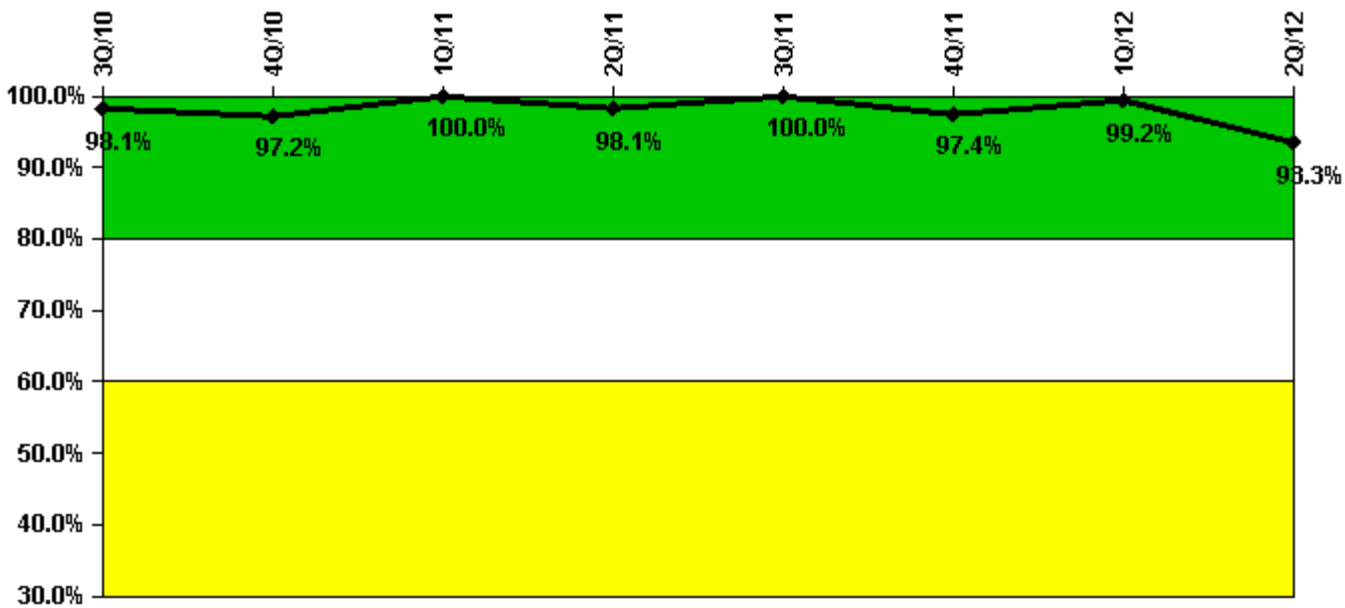
Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	24.0	15.0	45.0	21.0	9.0	28.0	57.0	6.0
Total opportunities	24.0	17.0	49.0	22.0	9.0	28.0	58.0	6.0
Indicator value	96.2%	96.8%	96.2%	96.2%	95.8%	95.9%	96.6%	96.2%

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.

3Q/10: 1Q2010 data was amended to add two successful drill opportunities in response to an NRC inspection, with no affect on color.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

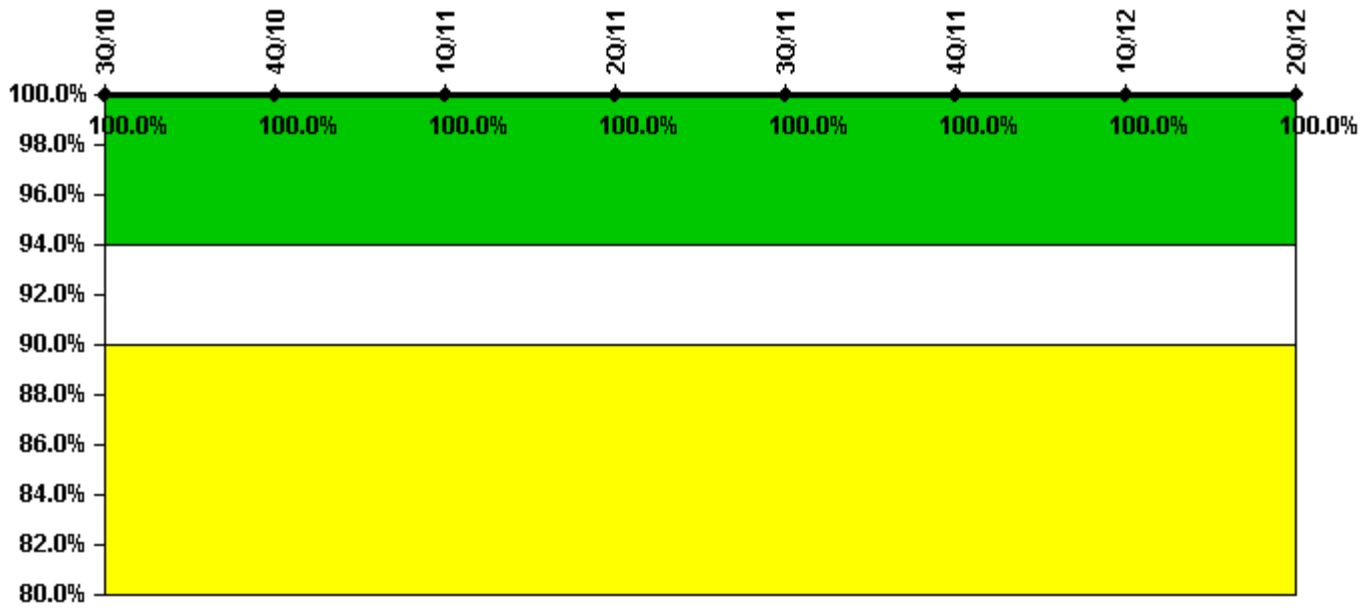
Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	101.0	104.0	107.0	102.0	104.0	111.0	117.0	112.0
Total Key personnel	103.0	107.0	107.0	104.0	104.0	114.0	118.0	120.0
Indicator value	98.1%	97.2%	100.0%	98.1%	100.0%	97.4%	99.2%	93.3%

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



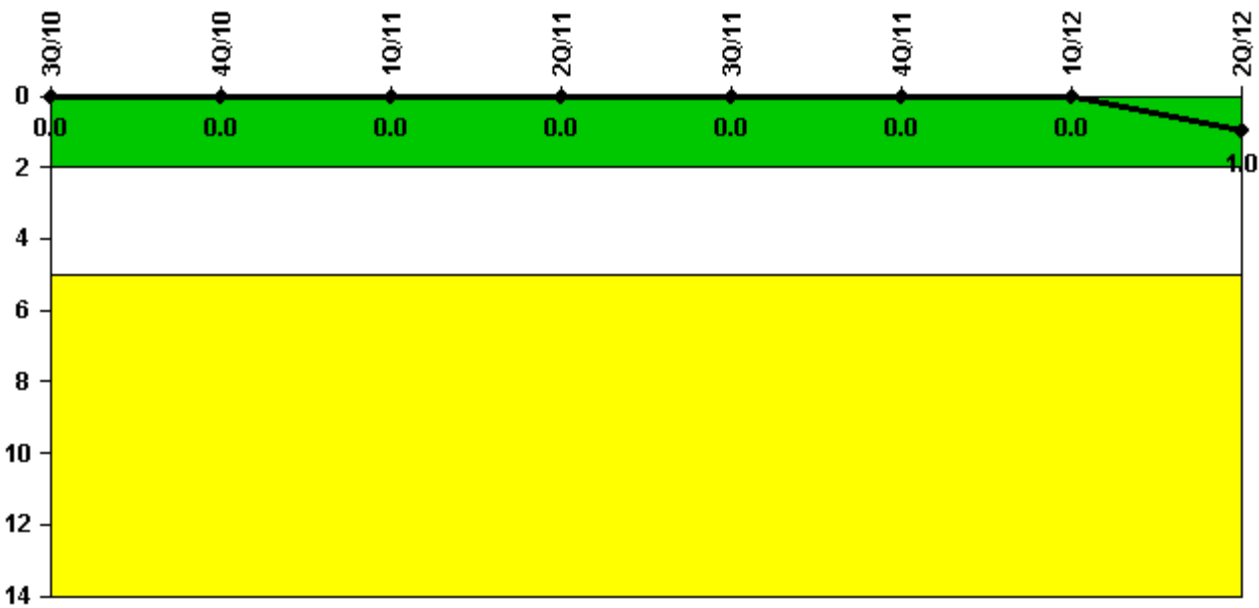
Thresholds: **White** < 94.0% **Yellow** < 90.0%

Notes

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

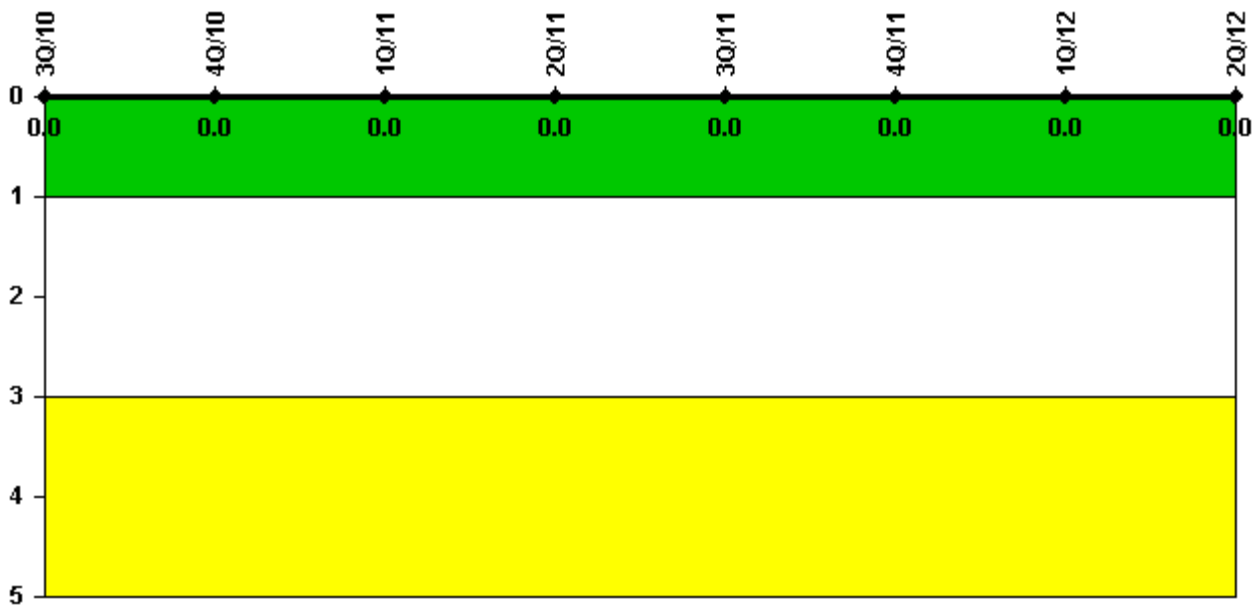
Occupational Exposure Control Effectiveness	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
High radiation area occurrences	0	0	0	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	1

Licensee Comments:

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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/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

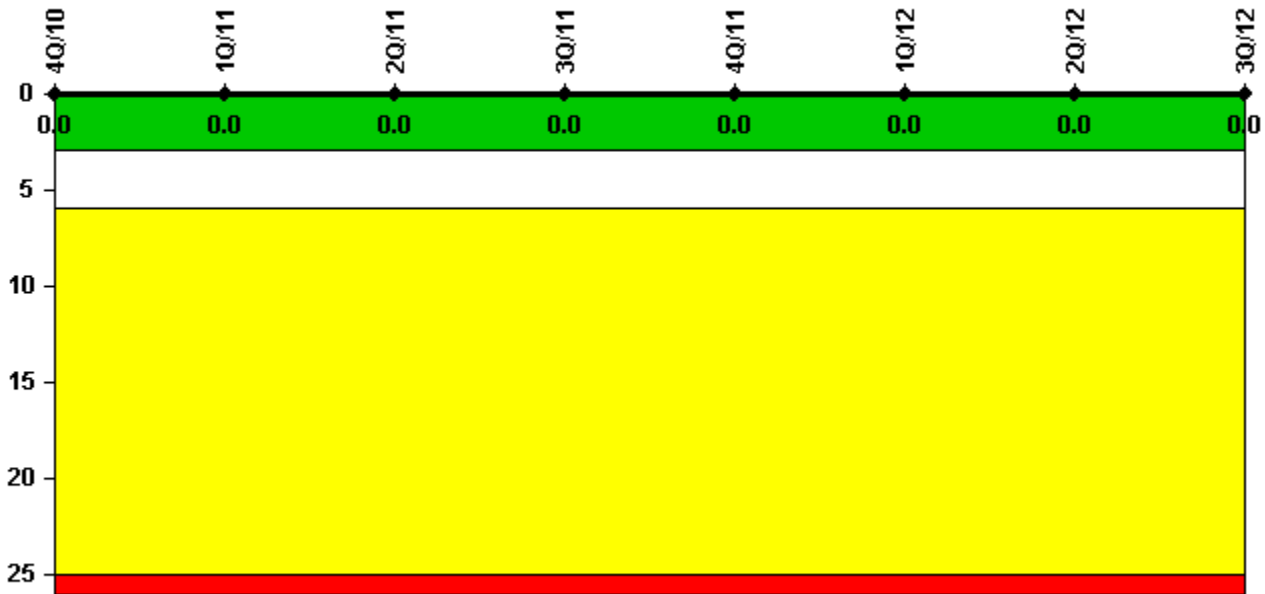
Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information 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.

Diablo Canyon 1

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



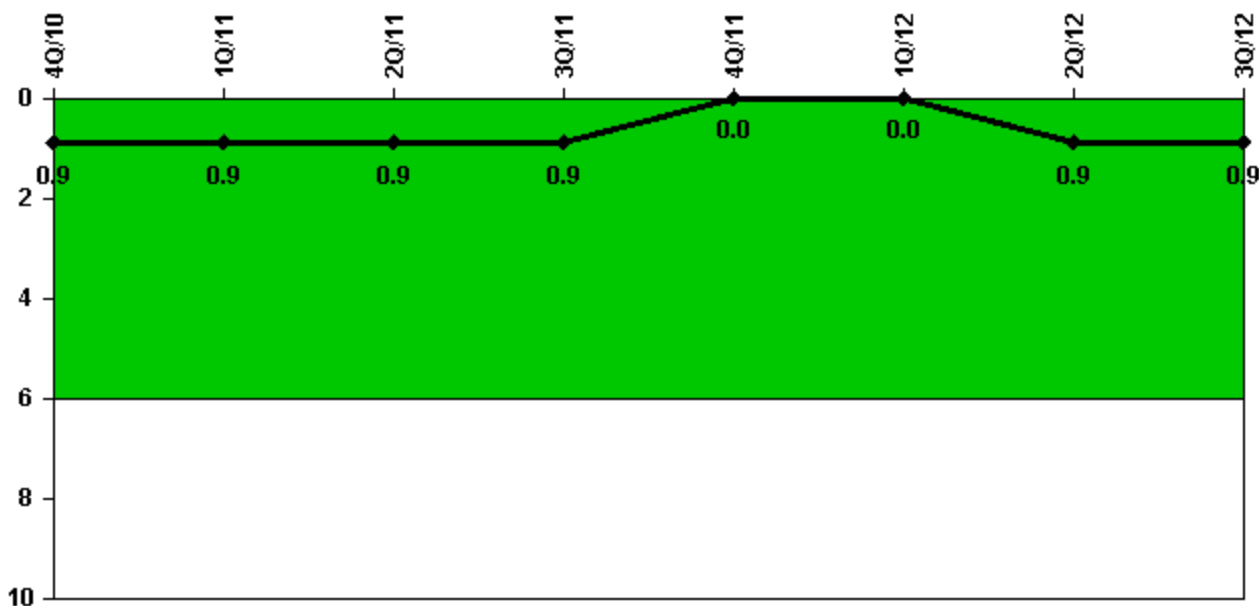
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0	0
Critical hours	1282.4	2159.0	2184.0	2208.0	2209.0	2183.0	893.4	2208.0
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

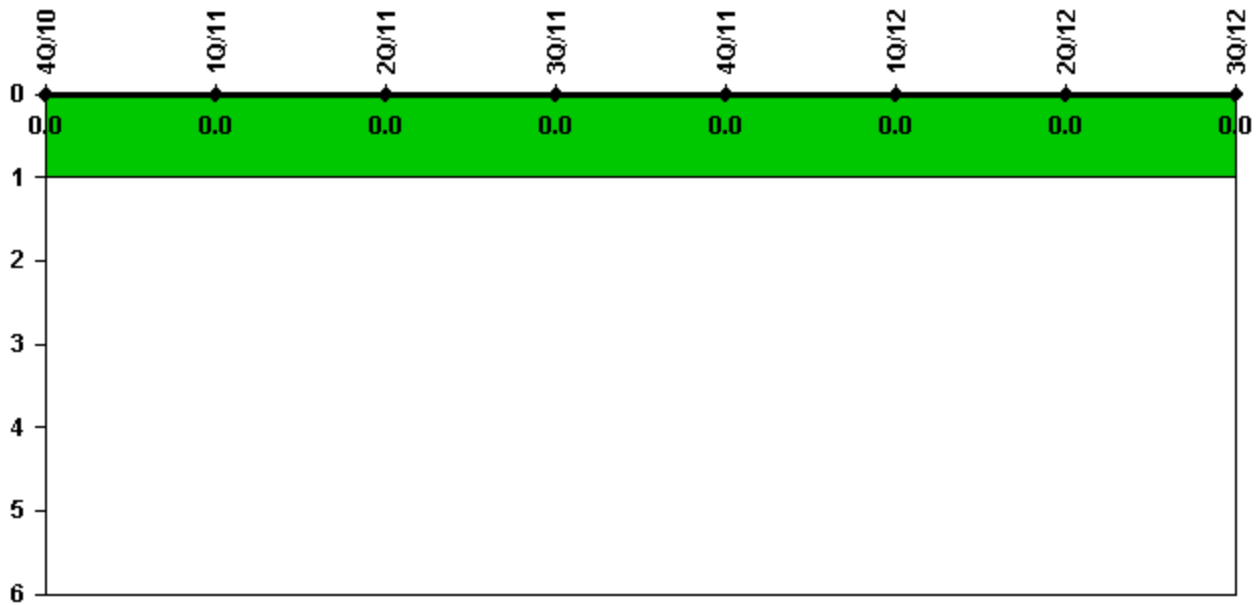
Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	1.0	0	0	0	0	0	1.0	0
Critical hours	1282.4	2159.0	2184.0	2208.0	2209.0	2183.0	893.4	2208.0
Indicator value	0.9	0.9	0.9	0.9	0	0	0.9	0.9

Licensee Comments:

2Q/12: On June 19, 2012, during power ascension following refueling outage 17, operators noted high vibration in a main feedwater pump, and reduced power to facilitate corrective maintenance (unplanned power change). Reference SAPN 50492737.

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



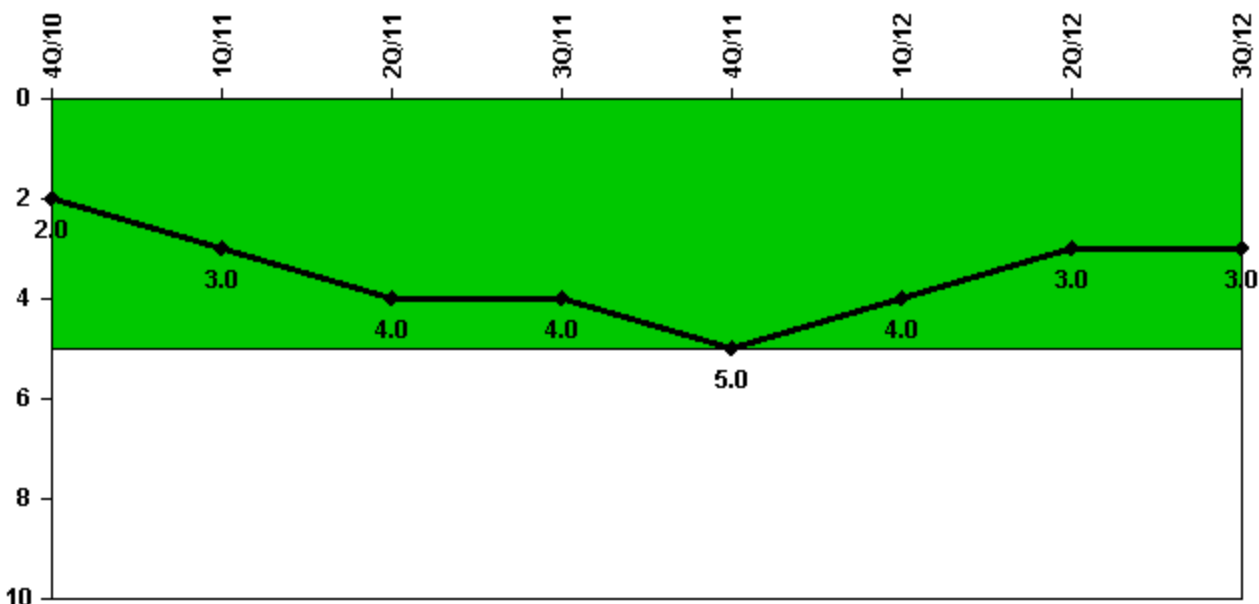
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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	1	2	1	0	0	2
Indicator value	2	3	4	4	5	4	3	3

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.

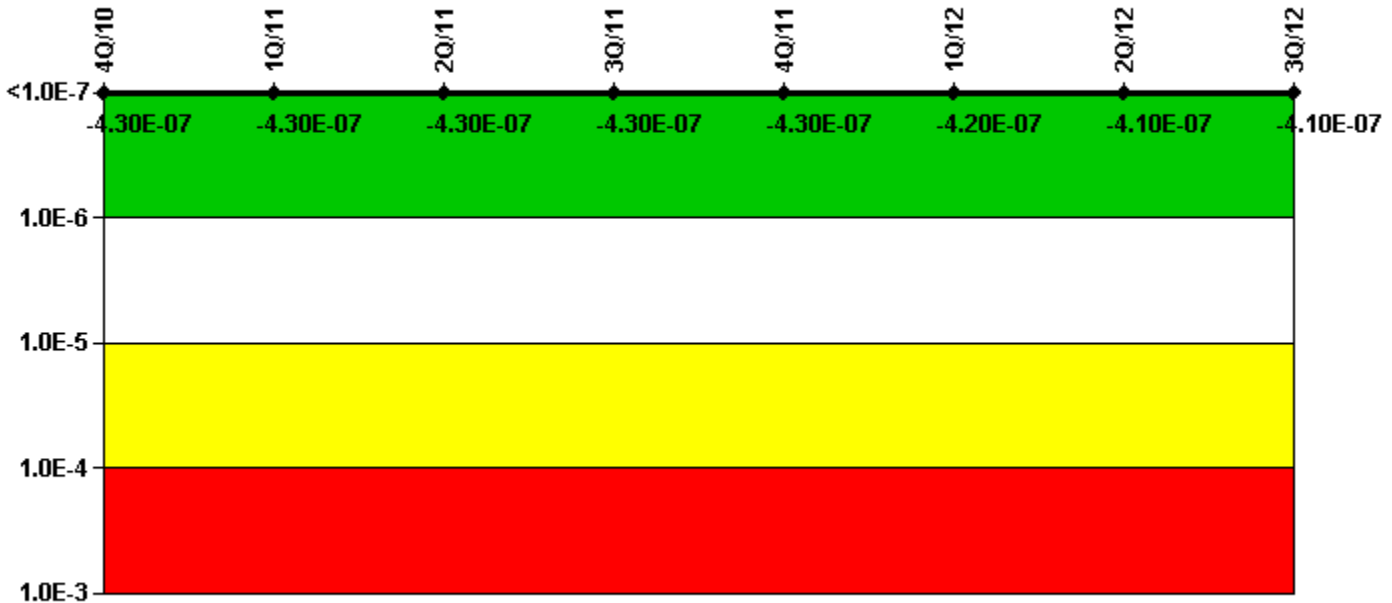
3Q/11: Unit 1 LER 1-2011-005-00, "Emergency Diesel Generator Actuations Upon Loss of 230 kV Startup Due to Electrical Maintenance Testing Activities," was sent on July 22, 2011. These two events represent 2 SSFFs.

2Q/11: LER 1-2011-004-00, "Emergency Diesel Generators Actuated Upon 230 kV Isolation Due to Maintenance Activities on Relay Panel" was sent on June 30, 2011.

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1, but this was clarified as a SSFF for U2 only per PG&E letter DCL-11-134 on December 16, 2011. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

Mitigating Systems Performance Index, Emergency AC Power System



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

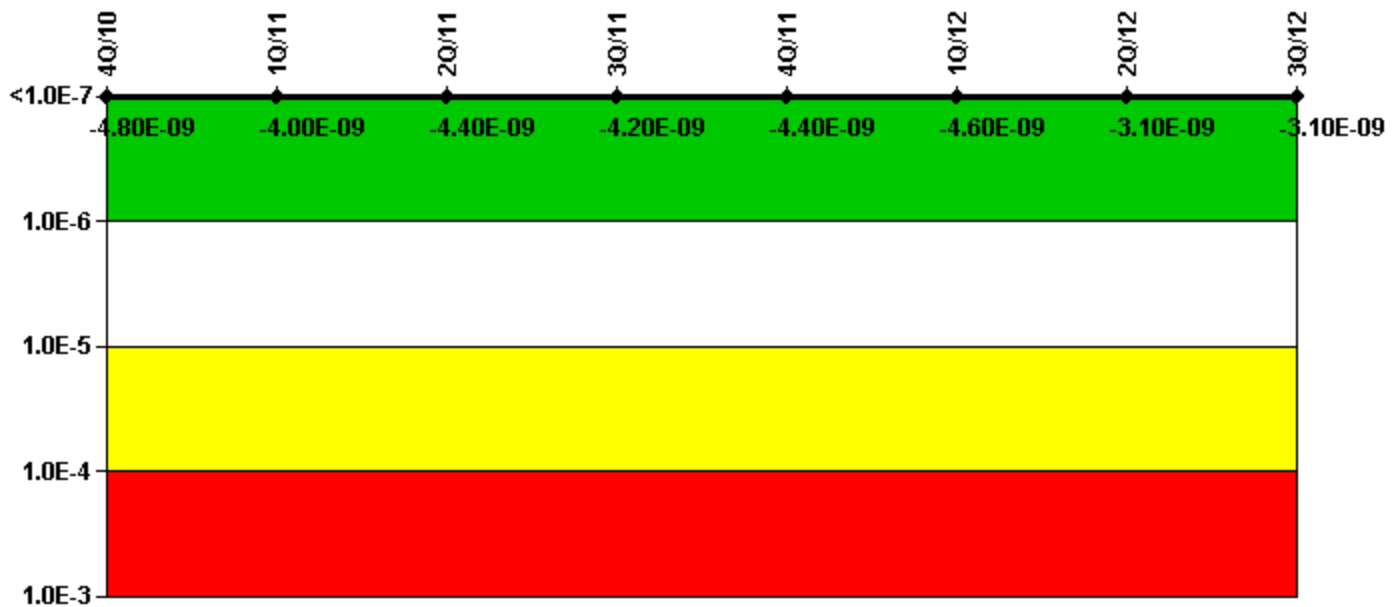
Notes

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)	-5.01E-09	-5.00E-09	-5.00E-09	-2.02E-09	-7.77E-09	-1.01E-09	3.71E-09	5.26E-09
URI (Δ CDF)	-4.20E-07	-4.20E-07	-4.23E-07	-4.23E-07	-4.23E-07	-4.20E-07	-4.16E-07	-4.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.20E-07	-4.10E-07	-4.10E-07

Licensee Comments:

2Q/11: After a conversation with an MSPI working group member it was decided that DCPD needed to report the Unit 1 Emergency Diesel starts during 2R16 as MSPI actual ESF actuations. Reported 7/25/11

Mitigating Systems Performance Index, High Pressure Injection System



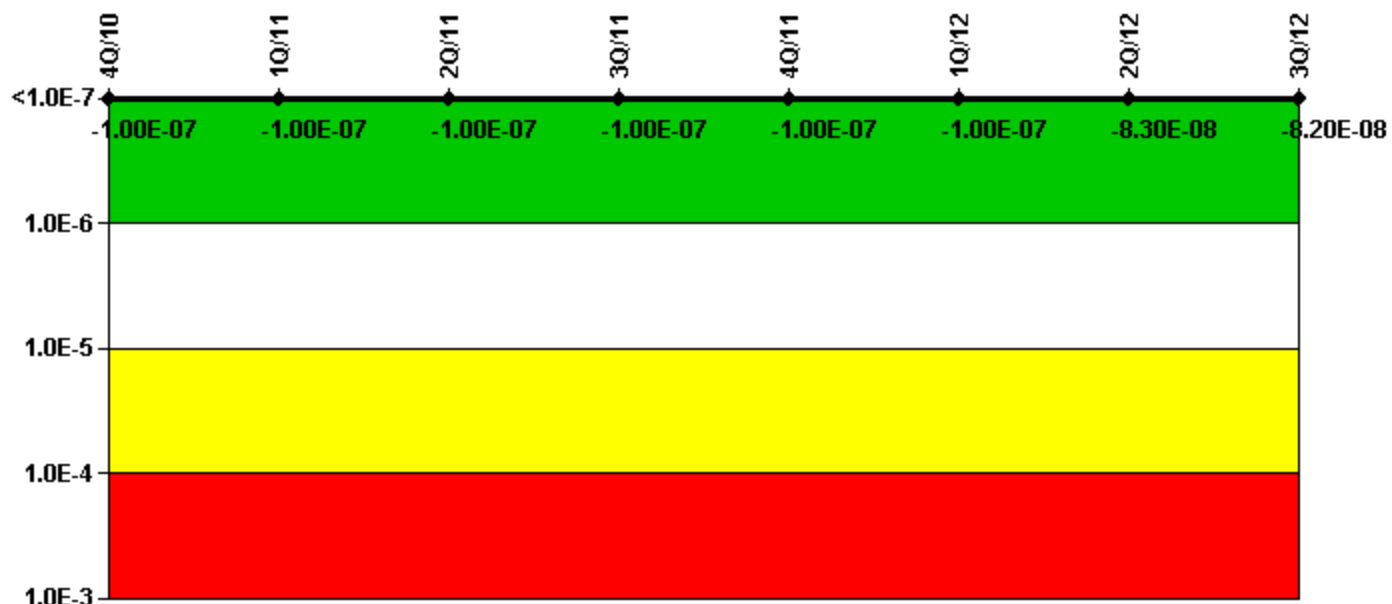
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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	-2.62E-09	-2.94E-09	-2.75E-09	-2.98E-09	-3.21E-09	-1.70E-09	-1.72E-09
URI (Δ CDF)	-1.43E-09	-1.42E-09	-1.41E-09	-1.40E-09	-1.40E-09	-1.39E-09	-1.39E-09	-1.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.80E-09	-4.00E-09	-4.40E-09	-4.20E-09	-4.40E-09	-4.60E-09	-3.10E-09	-3.10E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



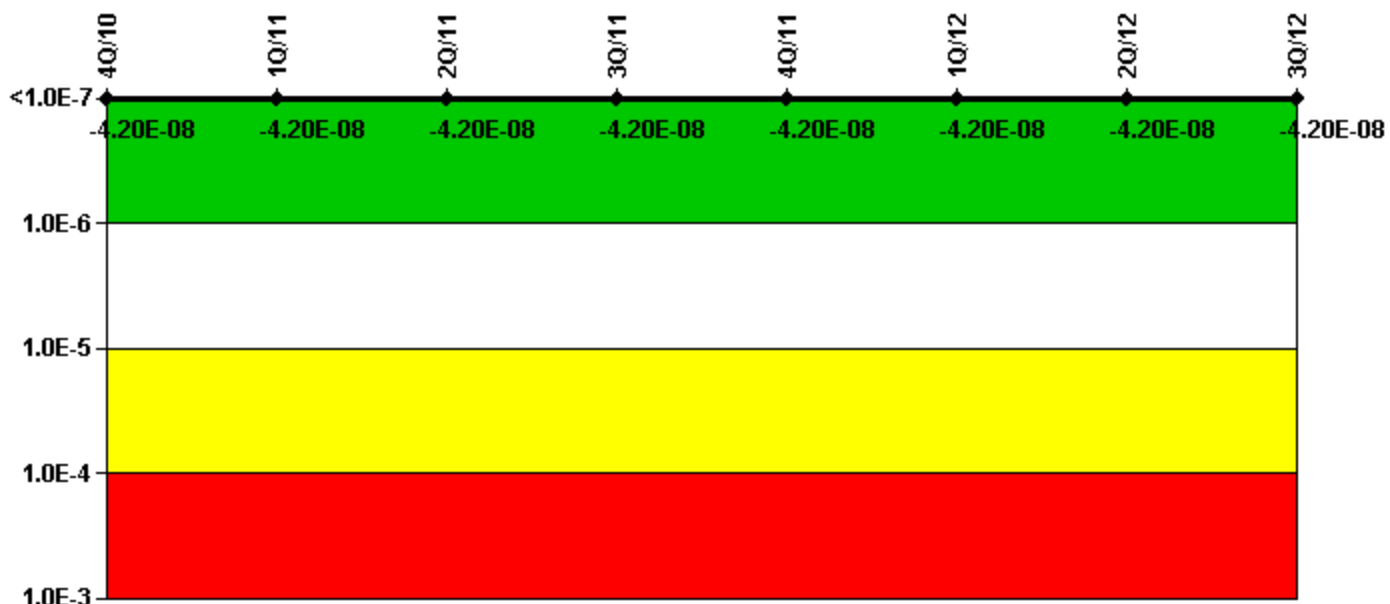
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.92E-08	9.98E-10	2.13E-09
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-8.30E-08	-8.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



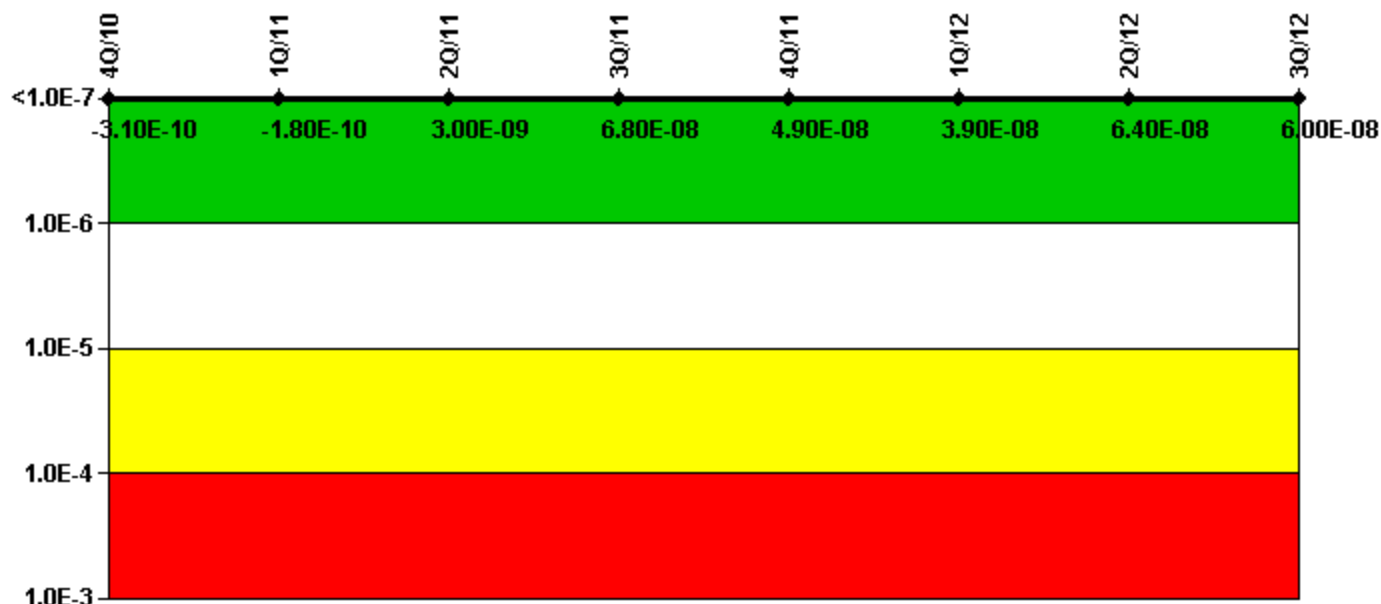
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



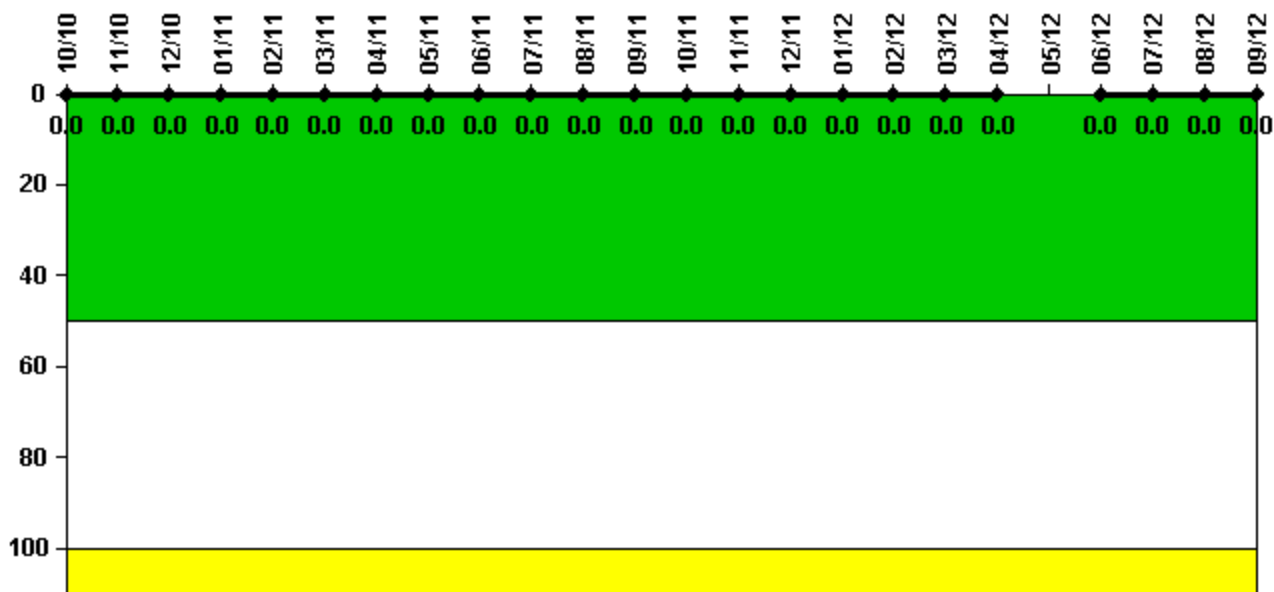
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	2.67E-08	2.68E-08	3.00E-08	9.48E-08	7.62E-08	6.65E-08	9.12E-08	8.73E-08
URI (Δ CDF)	-2.70E-08	-2.70E-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	-3.10E-10	-1.80E-10	3.00E-09	6.80E-08	4.90E-08	3.90E-08	6.40E-08	6.00E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

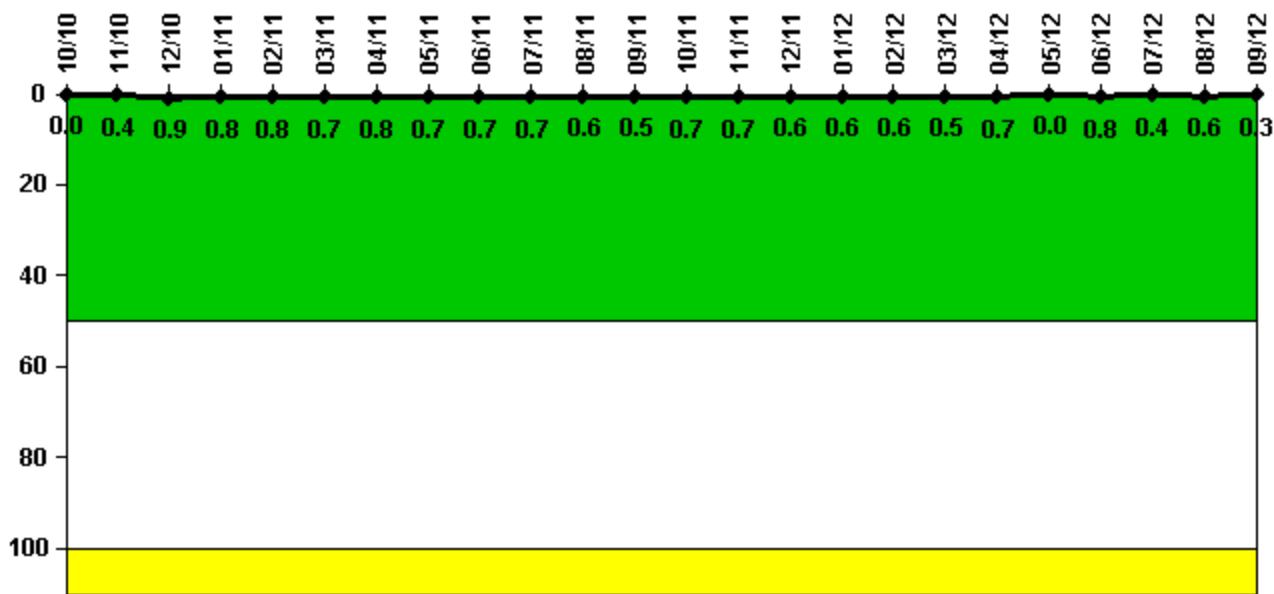
Notes

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	0.000089	0.000065	0.000070	0.000085	0.000071	0.000085	0.000091	0.000091	0.000104	0.000095	0.000100	0.000104
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

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	0.000115	0.000105	0.000115	0.000128	0.000120	0.000116	0.000090	N/A	0.000055	0.000057	0.000065	0.000057
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	N/A	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



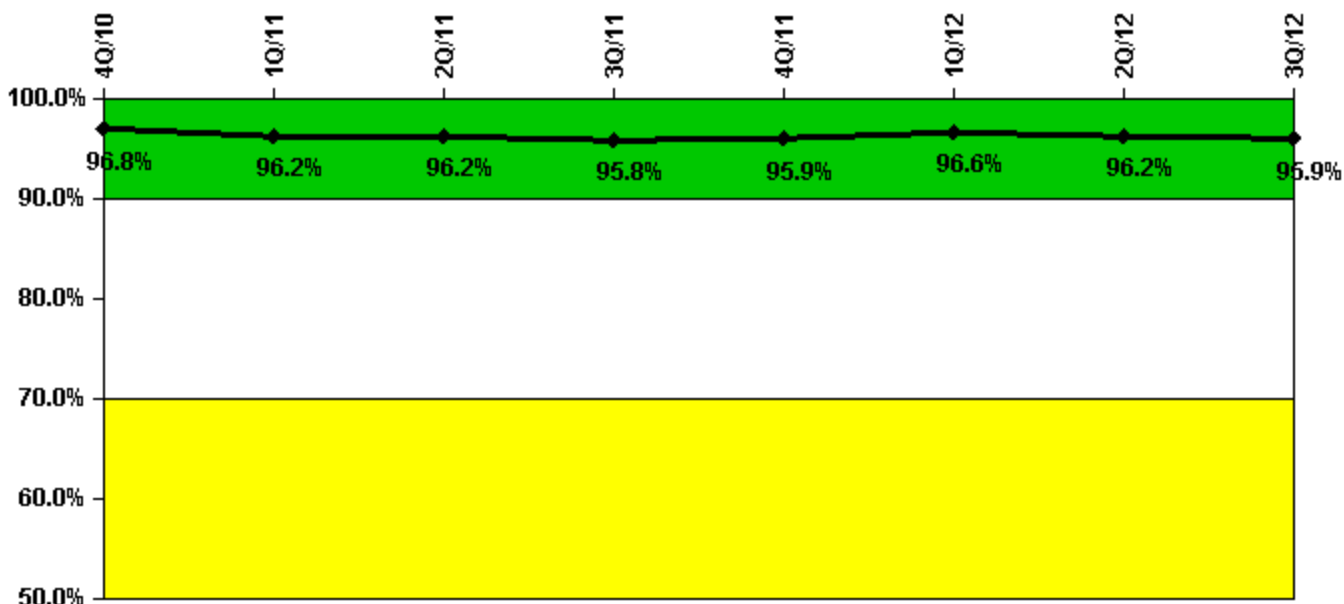
Thresholds: White > 50.0 Yellow > 100.0

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	0.042	0.093	0.075	0.078	0.069	0.083	0.072	0.066	0.068	0.059	0.046
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	0.4	0.9	0.8	0.8	0.7	0.8	0.7	0.7	0.7	0.6	0.5
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	0.066	0.069	0.059	0.058	0.059	0.046	0.070	0	0.075	0.044	0.058	0.033
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	0.7	0.7	0.6	0.6	0.6	0.5	0.7	0	0.8	0.4	0.6	0.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

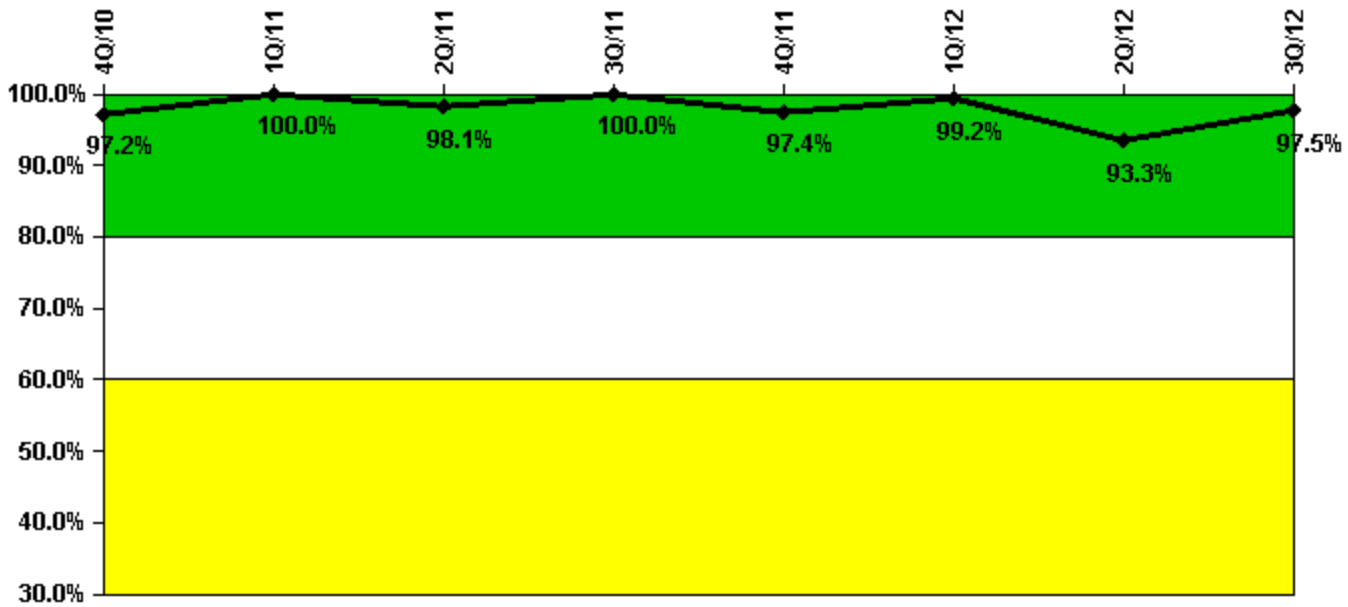
Notes

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



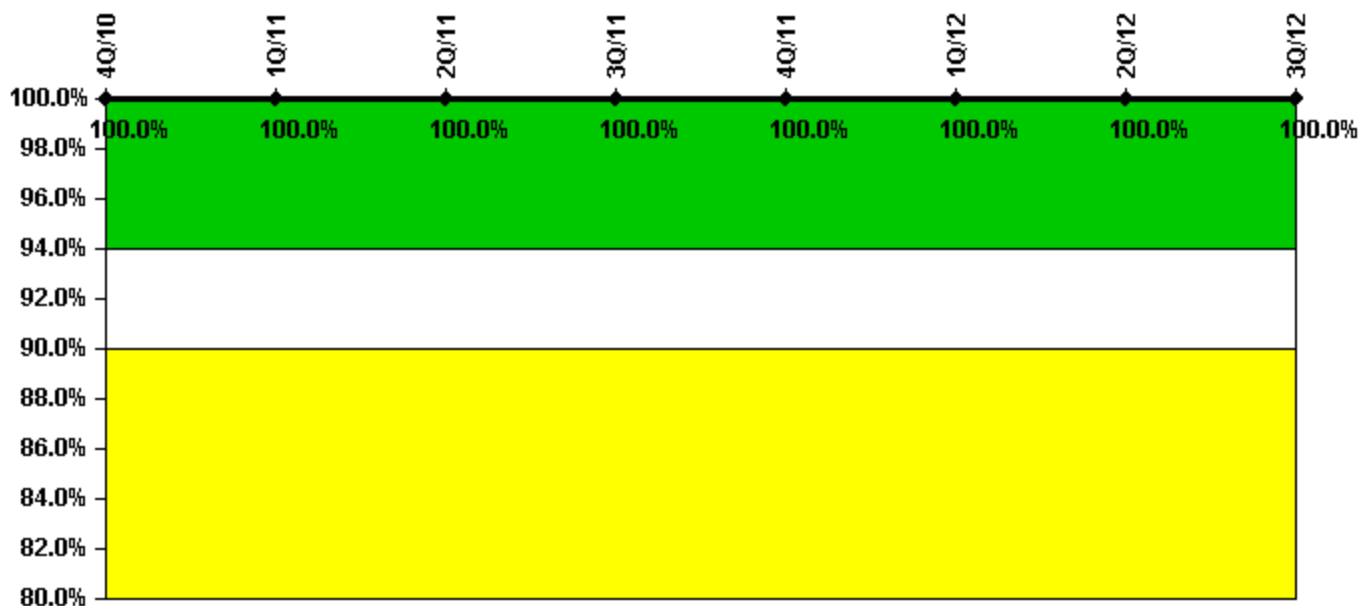
Thresholds: White < 80.0% Yellow < 60.0%

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



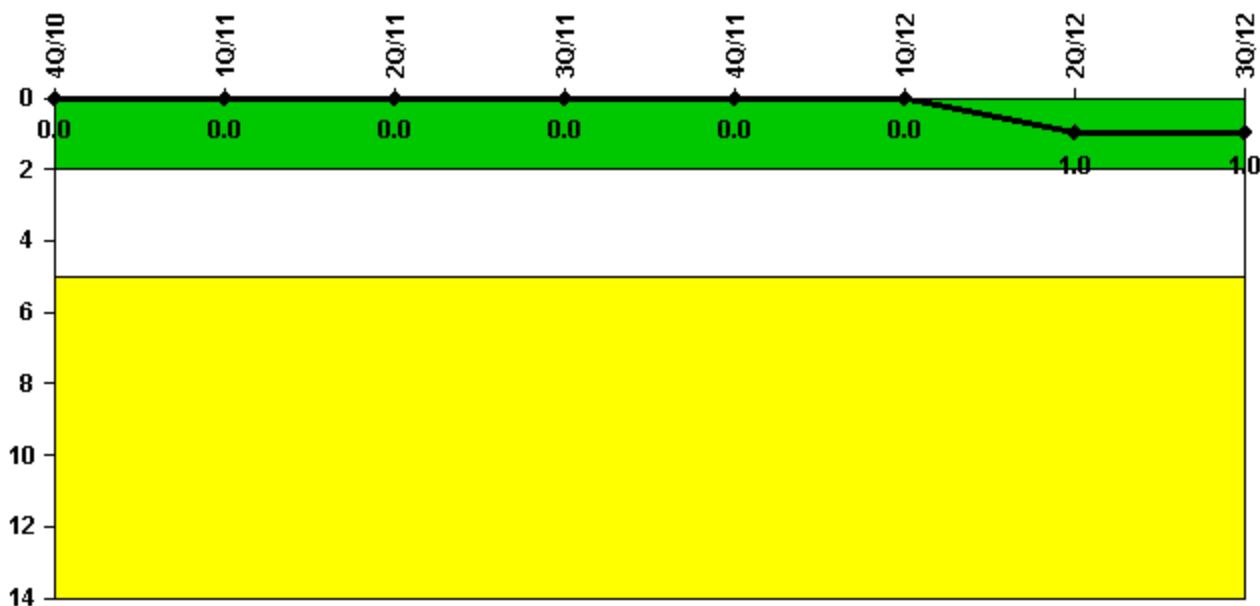
Thresholds: White < 94.0% Yellow < 90.0%

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

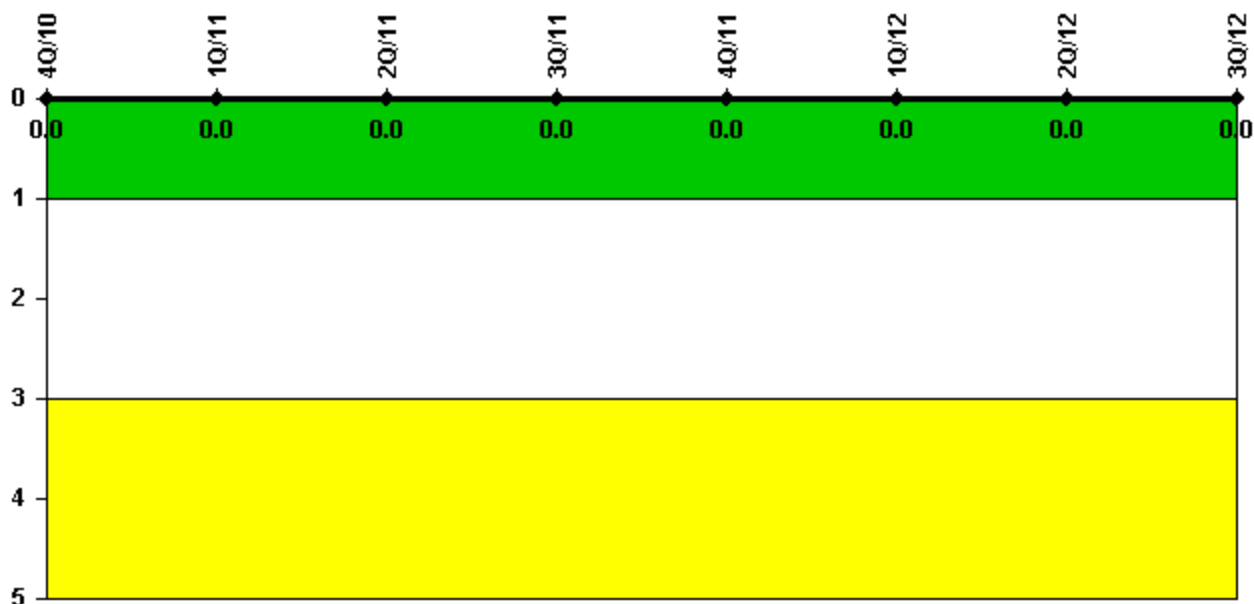
Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
High radiation area occurrences	0	0	0	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	1	1

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](#)

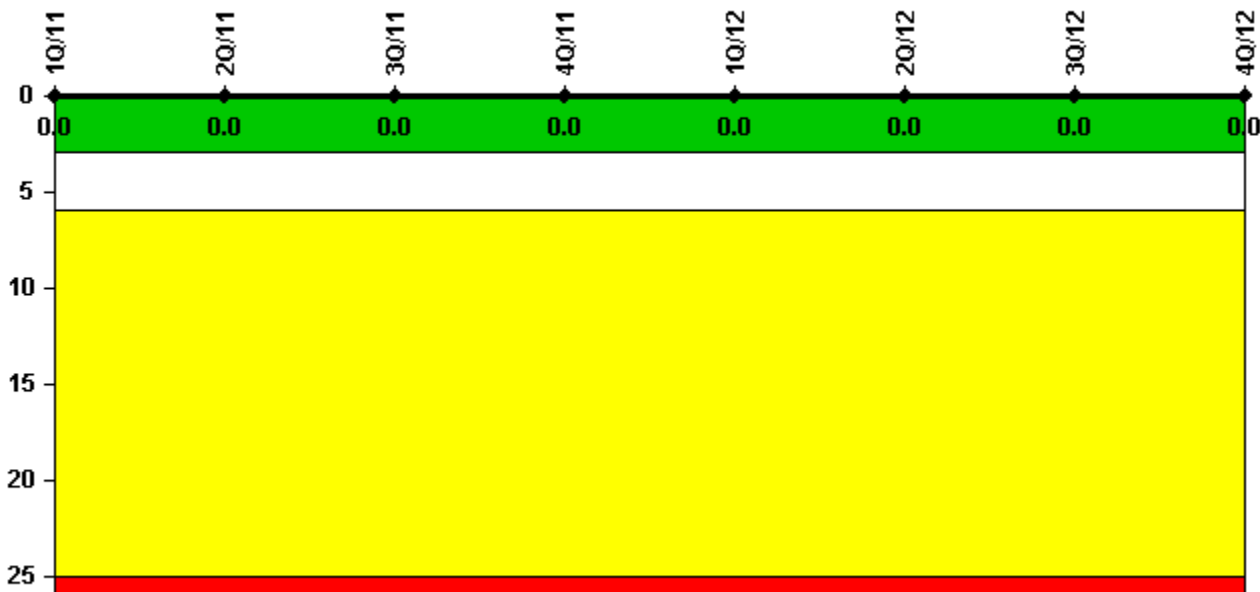
Last Modified: October 24, 2012

Diablo Canyon 1

4Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



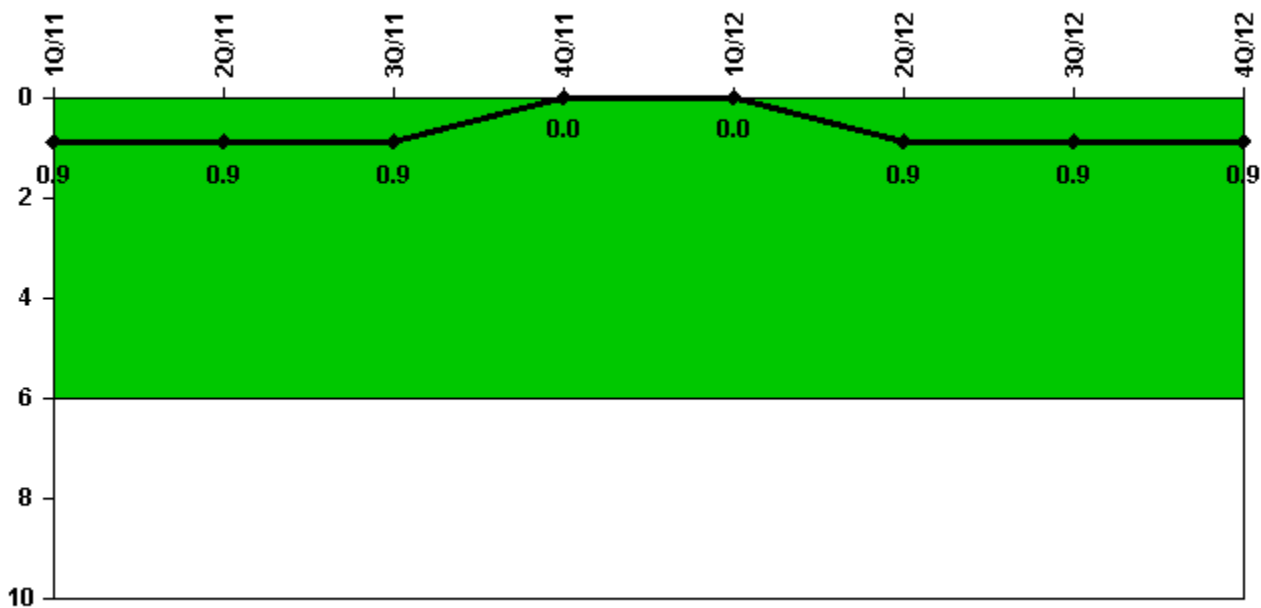
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2183.0	893.4	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

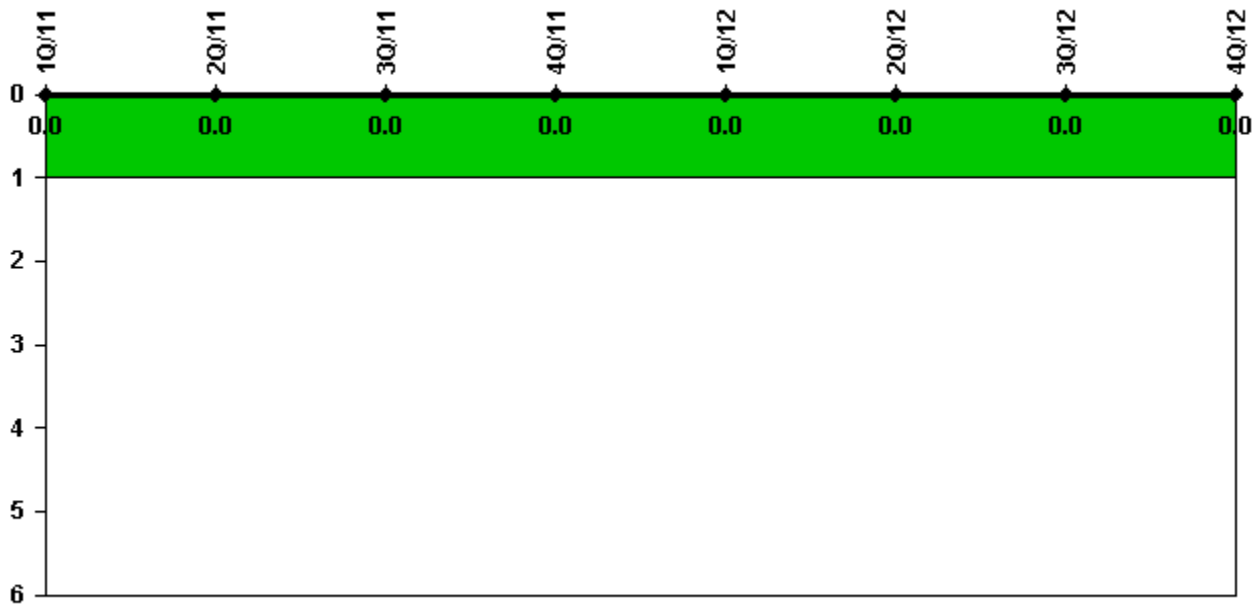
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2183.0	893.4	2208.0	2209.0
Indicator value	0.9	0.9	0.9	0	0	0.9	0.9	0.9

Licensee Comments:

2Q/12: On June 19, 2012, during power ascension following refueling outage 17, operators noted high vibration in a main feedwater pump, and reduced power to facilitate corrective maintenance (unplanned power change). Reference SAPN 50492737.

Unplanned Scrams with Complications



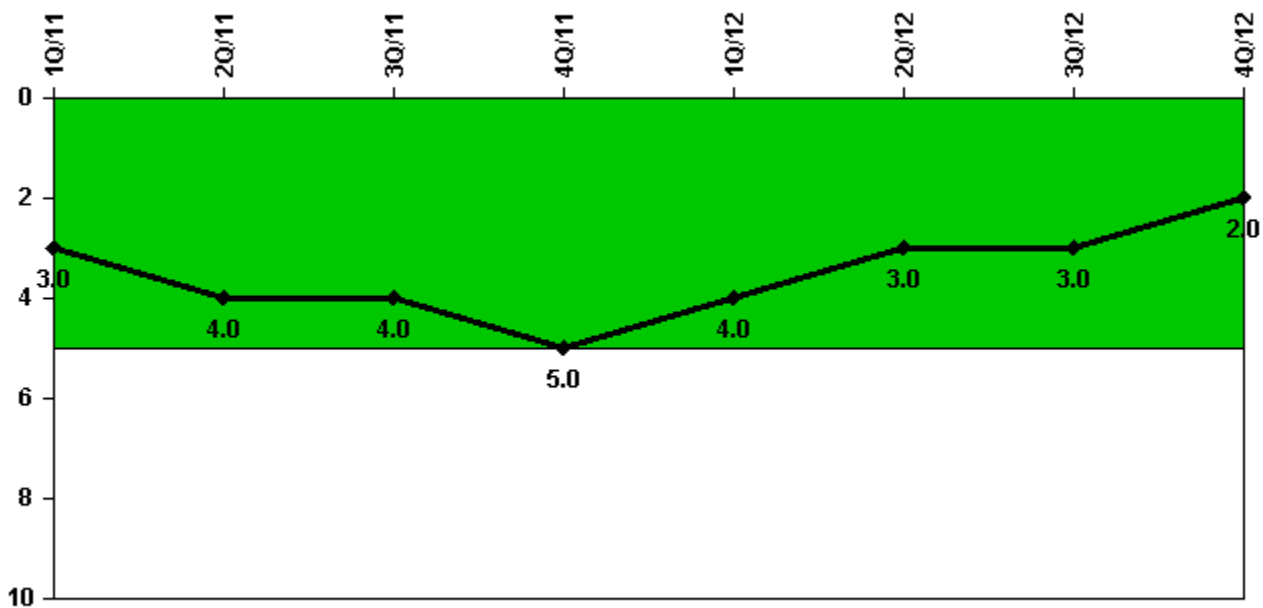
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/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)	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	1	1	2	1	0	0	2	0
Indicator value	3	4	4	5	4	3	3	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.

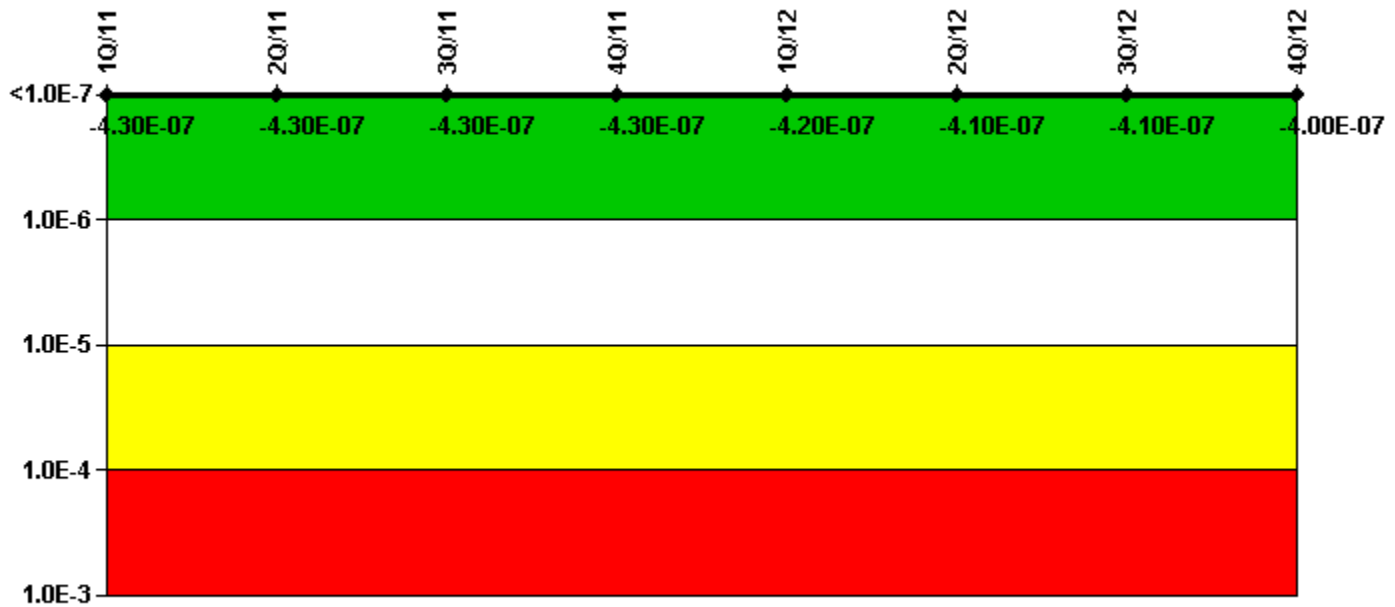
3Q/11: Unit 1 LER 1-2011-005-00, "Emergency Diesel Generator Actuations Upon Loss of 230 kV Startup Due to Electrical Maintenance Testing Activities," was sent on July 22, 2011. These two events represent 2 SSFFs.

2Q/11: LER 1-2011-004-00, "Emergency Diesel Generators Actuated Upon 230 kV Isolation Due to Maintenance Activities on Relay Panel" was sent on June 30, 2011.

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1, but this was clarified as a SSFF for U2 only per PG&E letter DCL-11-134 on December 16, 2011. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

1Q/11: LER 1-2011-002 was submitted on March 11, 2011 for a single failure design vulnerability in the ABVS that could have prevented fulfillment of the safety function in DCPD Unit 1. LER 1-2011-0001-00 was submitted January 5, 2011 for Unit 1 TD AFW PP 1-1 inoperable during Mode 4 to Mode 3 transition. Ref: PG&E Letter DCL-11-004.

Mitigating Systems Performance Index, Emergency AC Power System



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

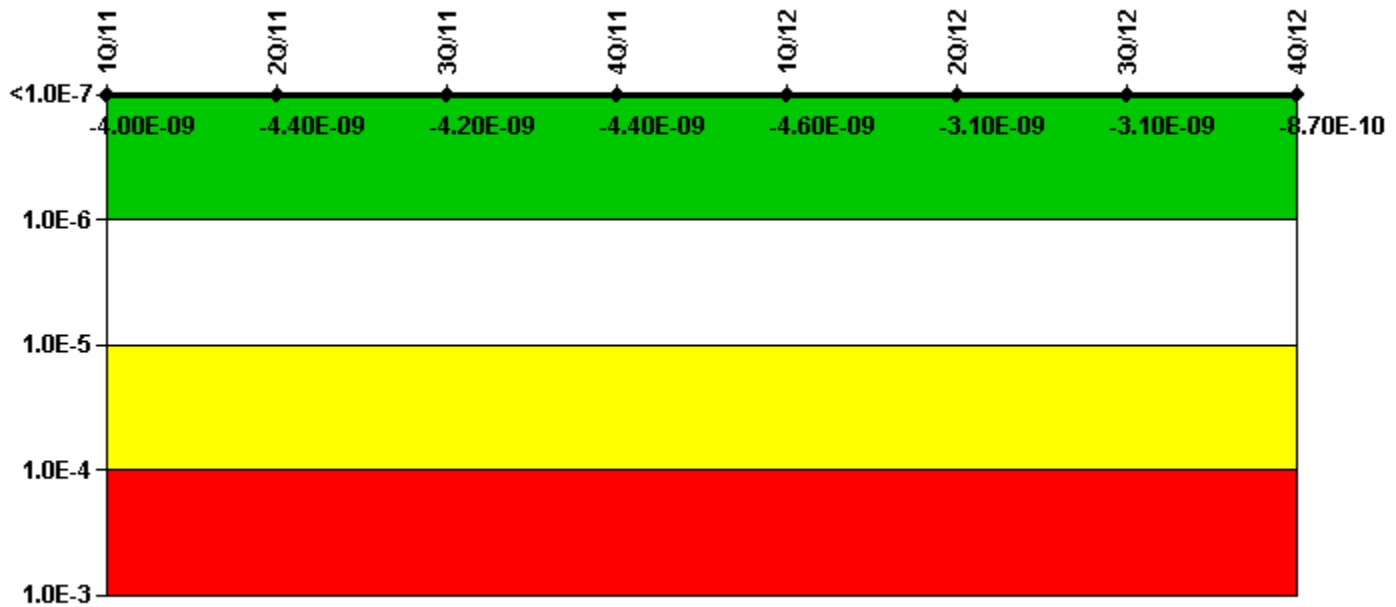
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-5.00E-09	-5.00E-09	-2.02E-09	-7.77E-09	-1.01E-09	3.71E-09	5.26E-09	5.31E-09
URI (Δ CDF)	-4.20E-07	-4.23E-07	-4.23E-07	-4.23E-07	-4.20E-07	-4.16E-07	-4.12E-07	-4.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.20E-07	-4.10E-07	-4.10E-07	-4.00E-07

Licensee Comments:

2Q/11: After a conversation with an MSPI working group member it was decided that DCPD needed to report the Unit 1 Emergency Diesel starts during 2R16 as MSPI actual ESF actuations. Reported 7/25/11

Mitigating Systems Performance Index, High Pressure Injection System



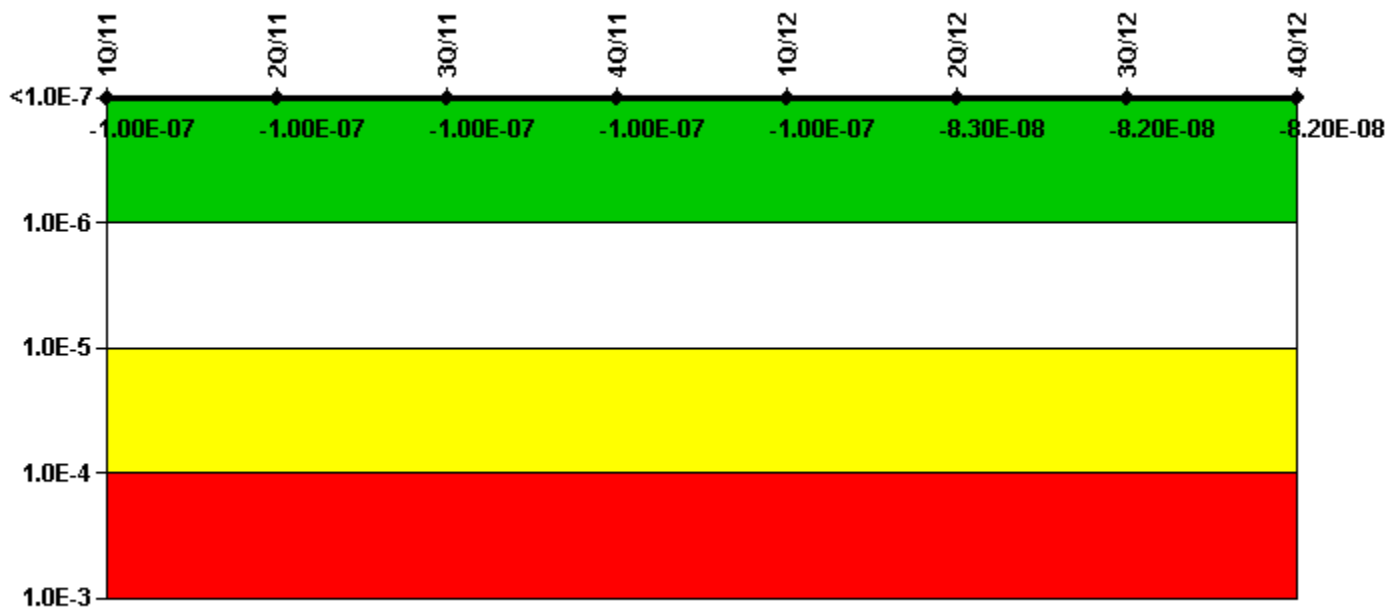
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-2.62E-09	-2.94E-09	-2.75E-09	-2.98E-09	-3.21E-09	-1.70E-09	-1.72E-09	5.15E-10
URI (Δ CDF)	-1.42E-09	-1.41E-09	-1.40E-09	-1.40E-09	-1.39E-09	-1.39E-09	-1.39E-09	-1.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-09	-4.40E-09	-4.20E-09	-4.40E-09	-4.60E-09	-3.10E-09	-3.10E-09	-8.70E-10

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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.92E-08	9.98E-10	2.13E-09	2.13E-09
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-8.30E-08	-8.20E-08	-8.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



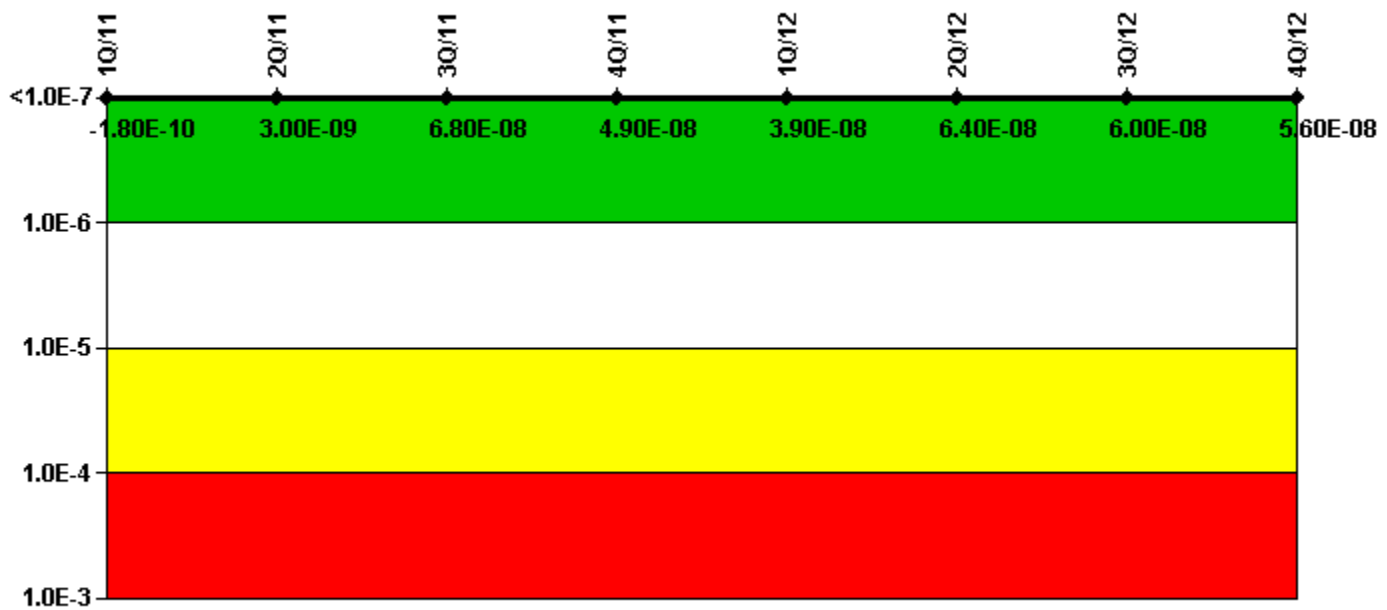
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



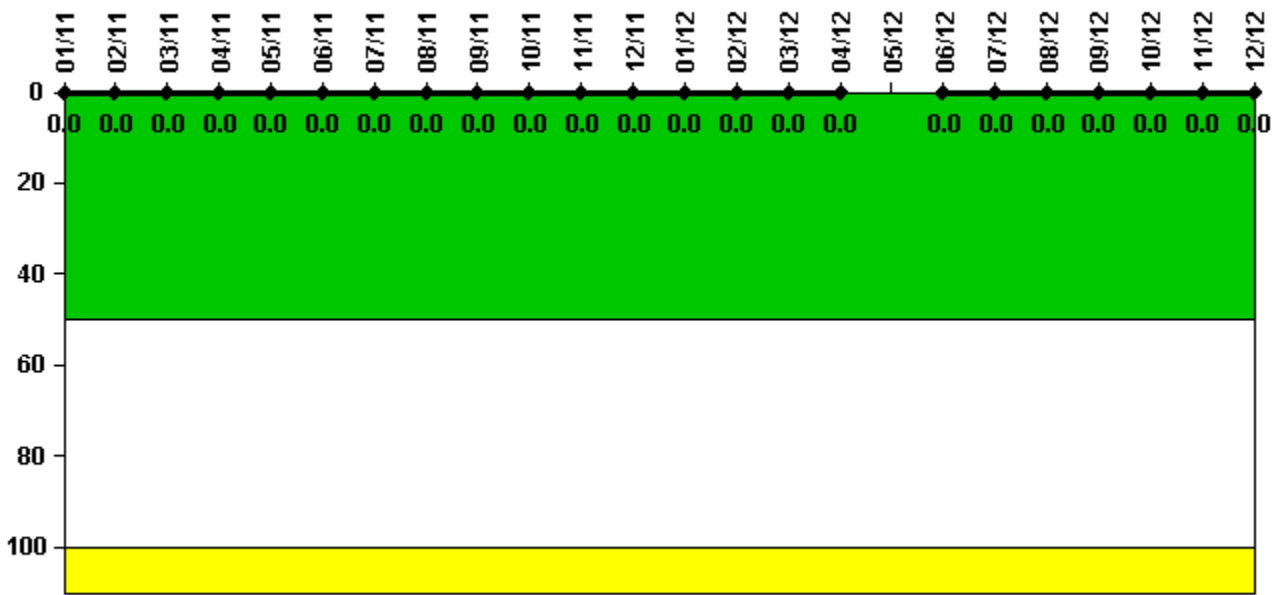
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	2.68E-08	3.00E-08	9.48E-08	7.62E-08	6.65E-08	9.12E-08	8.73E-08	8.27E-08
URI (Δ CDF)	-2.70E-08	-2.70E-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	-1.80E-10	3.00E-09	6.80E-08	4.90E-08	3.90E-08	6.40E-08	6.00E-08	5.60E-08

Licensee Comments: none

Reactor Coolant System Activity



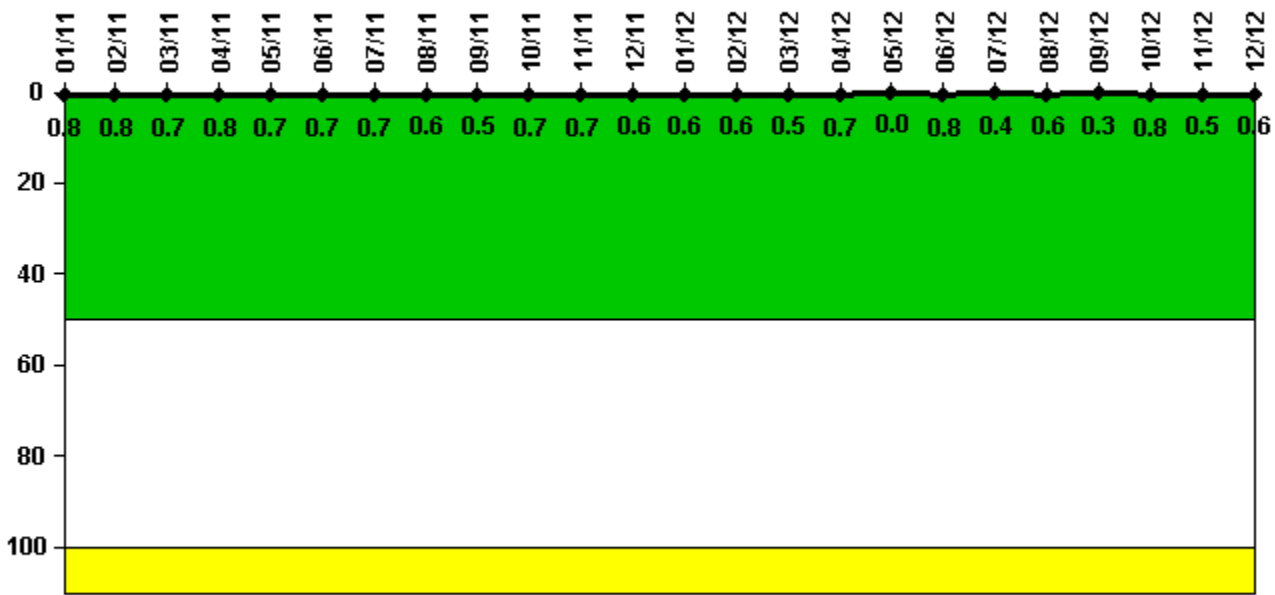
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000085	0.000071	0.000085	0.000091	0.000091	0.000104	0.000095	0.000100	0.000104	0.000115	0.000105	0.000115
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
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000128	0.000120	0.000116	0.000090	N/A	0.000055	0.000057	0.000065	0.000057	0.000062	0.000059	0.000062
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	N/A	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



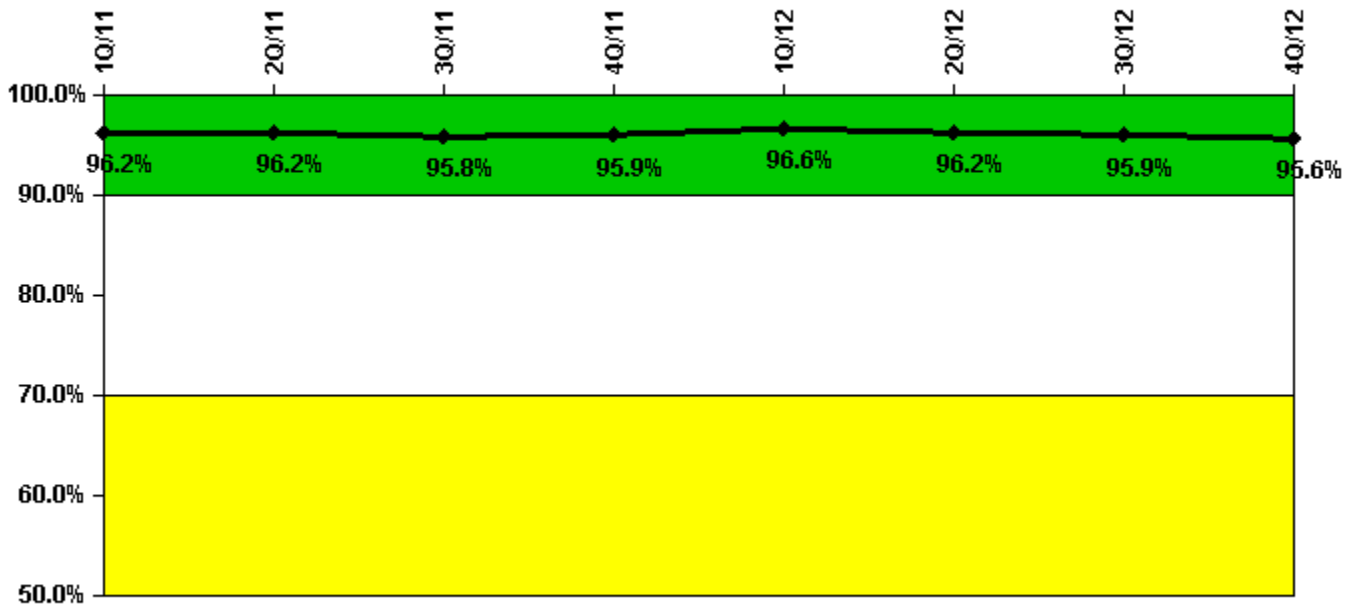
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.075	0.078	0.069	0.083	0.072	0.066	0.068	0.059	0.046	0.066	0.069	0.059
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	0.8	0.7	0.8	0.7	0.7	0.7	0.6	0.5	0.7	0.7	0.6
Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.058	0.059	0.046	0.070	0	0.075	0.044	0.058	0.033	0.075	0.049	0.055
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	0.6	0.6	0.5	0.7	0	0.8	0.4	0.6	0.3	0.8	0.5	0.6

Licensee Comments: none

Drill/Exercise Performance



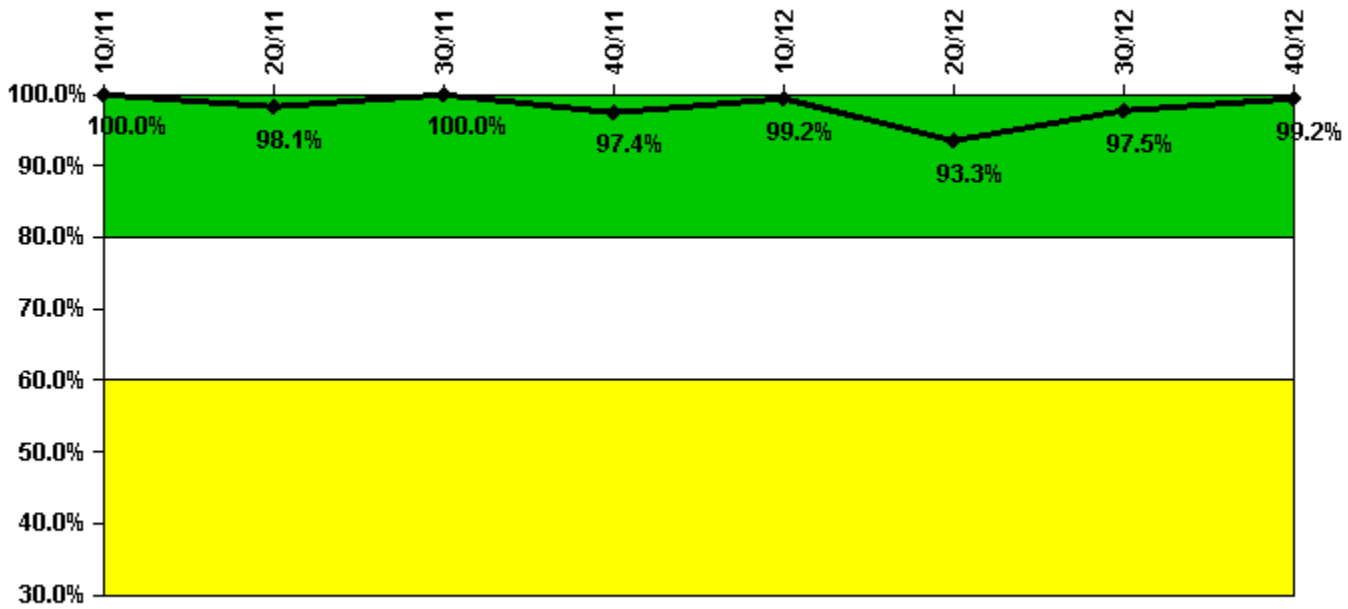
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	45.0	21.0	9.0	28.0	57.0	6.0	52.0	22.0
Total opportunities	49.0	22.0	9.0	28.0	58.0	6.0	54.0	25.0
Indicator value	96.2%	96.2%	95.8%	95.9%	96.6%	96.2%	95.9%	95.6%

Licensee Comments: none

ERO Drill Participation



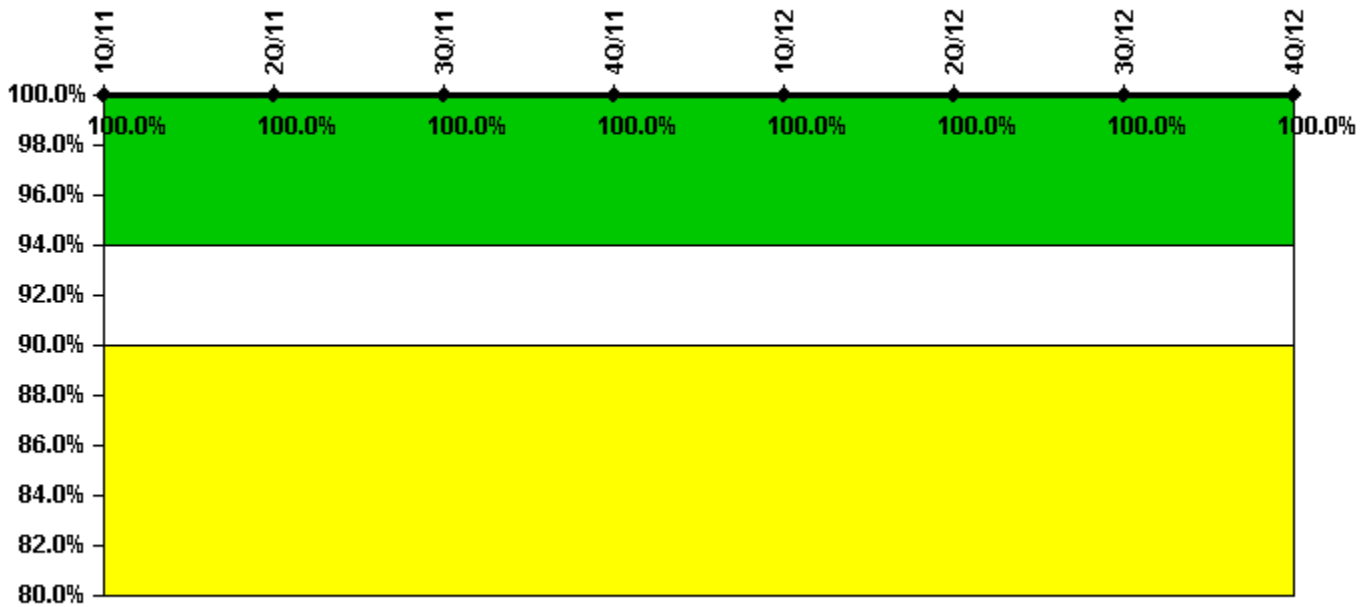
Thresholds: White < 80.0% Yellow < 60.0%

Notes

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

Licensee Comments: none

Alert & Notification System



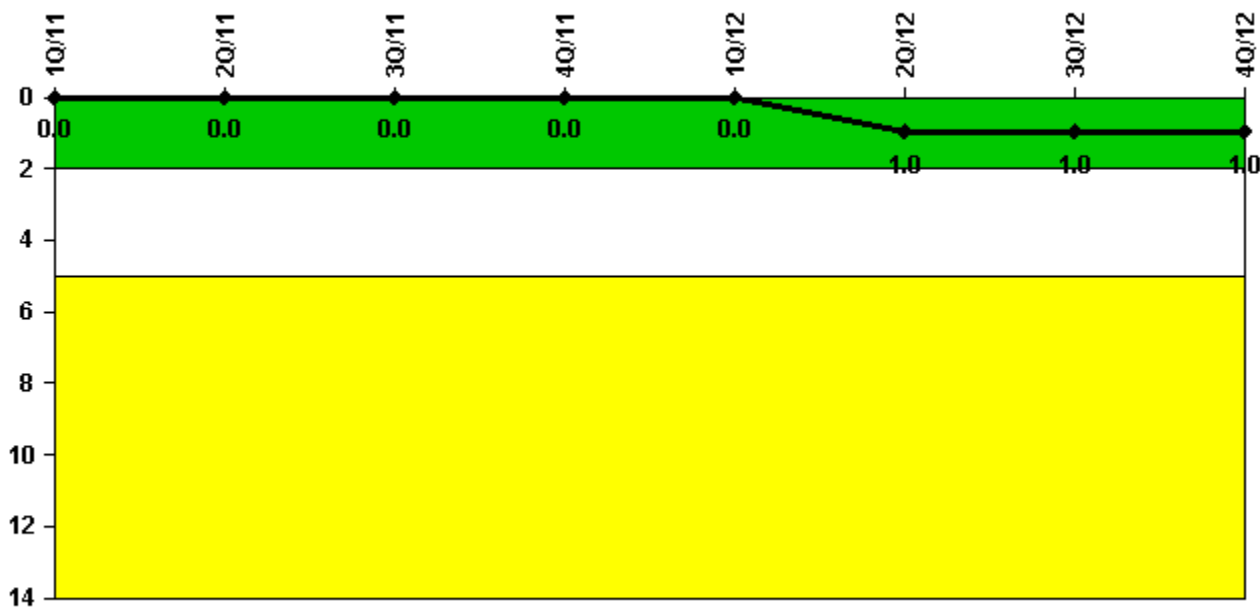
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	1048	917	1309	917	1048	916	1310	917
Total sirens-tests	1048	917	1310	917	1048	917	1310	917
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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
High radiation area occurrences	0	0	0	0	0	1	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	1	1	1

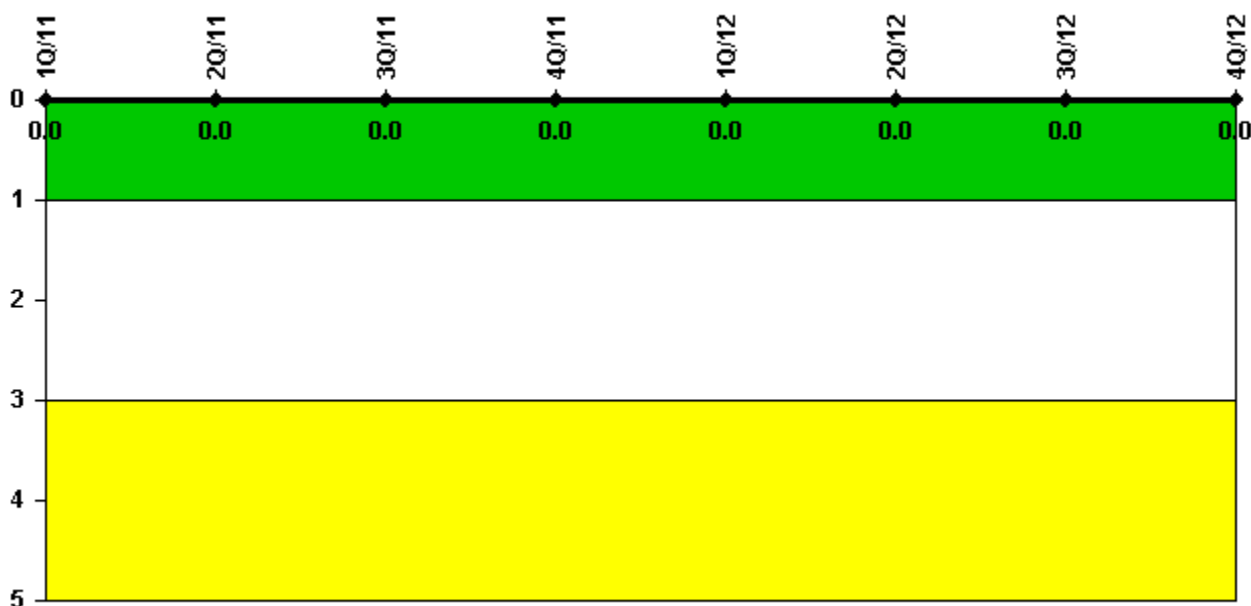
Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

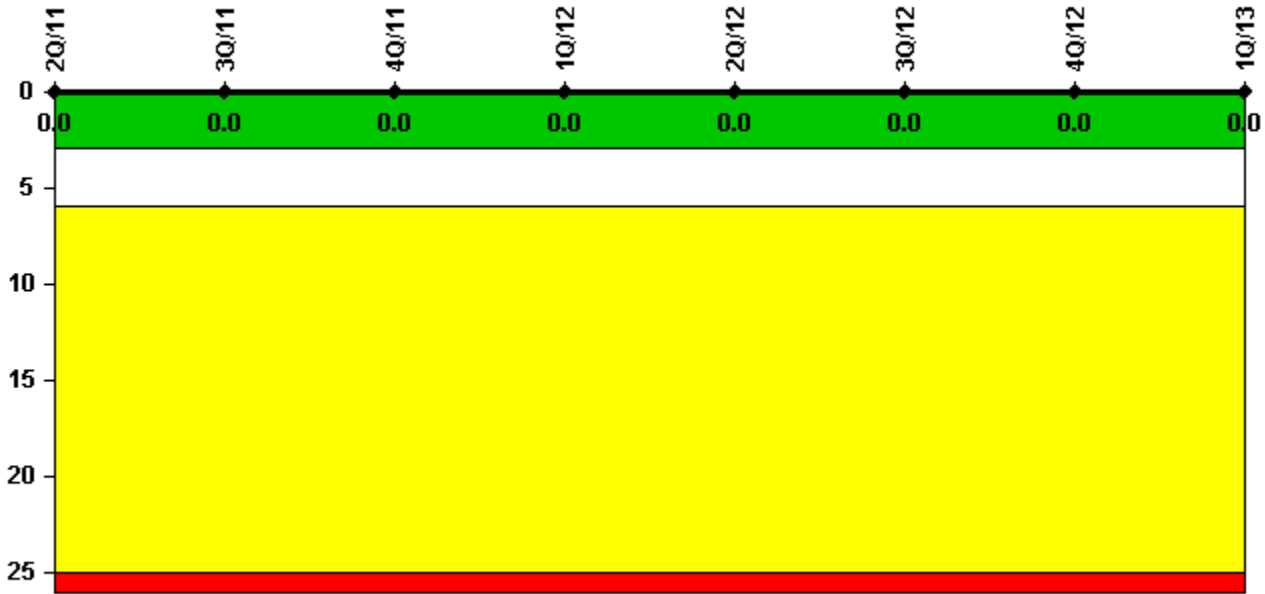
Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information 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.

Diablo Canyon 1

1Q/2013 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

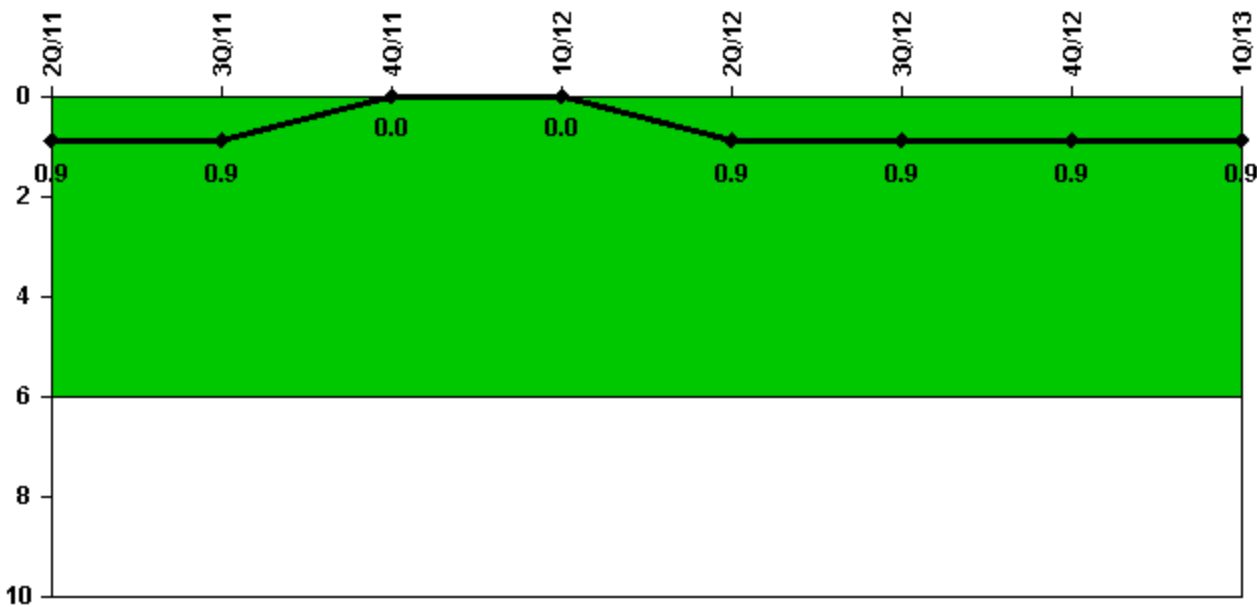
Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2183.0	893.4	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

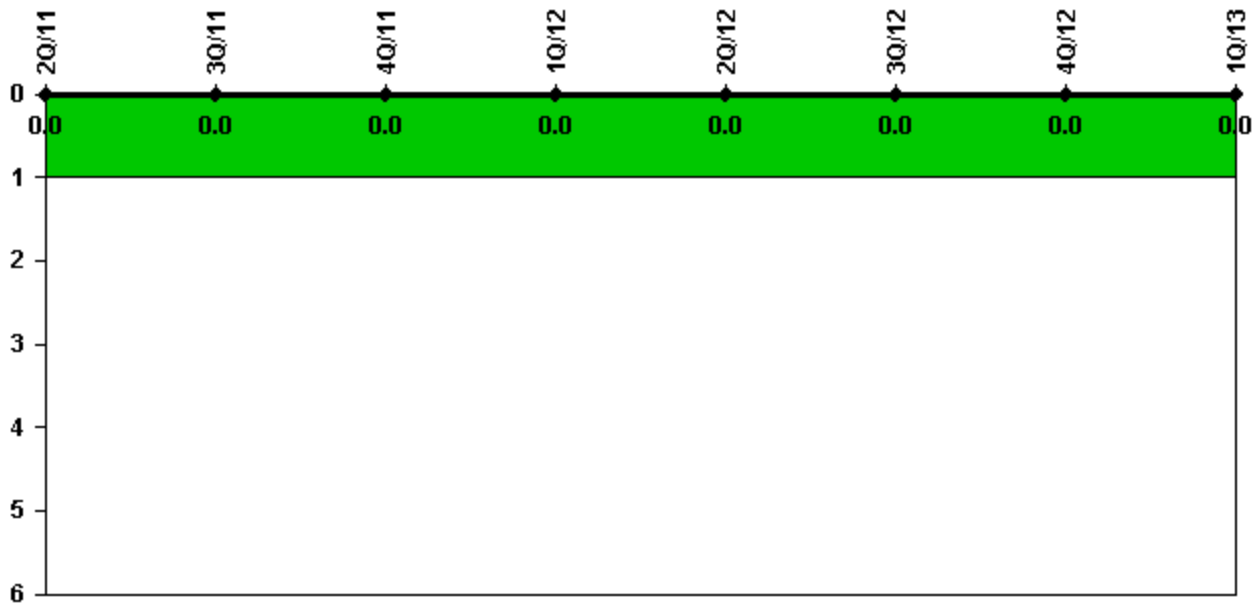
Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2183.0	893.4	2208.0	2209.0	2159.0
Indicator value	0.9	0.9	0	0	0.9	0.9	0.9	0.9

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

2Q/12: On June 19, 2012, during power ascension following refueling outage 17, operators noted high vibration in a main feedwater pump, and reduced power to facilitate corrective maintenance (unplanned power change). Reference SAPN 50492737.

Unplanned Scrams with Complications



Thresholds: White > 1.0

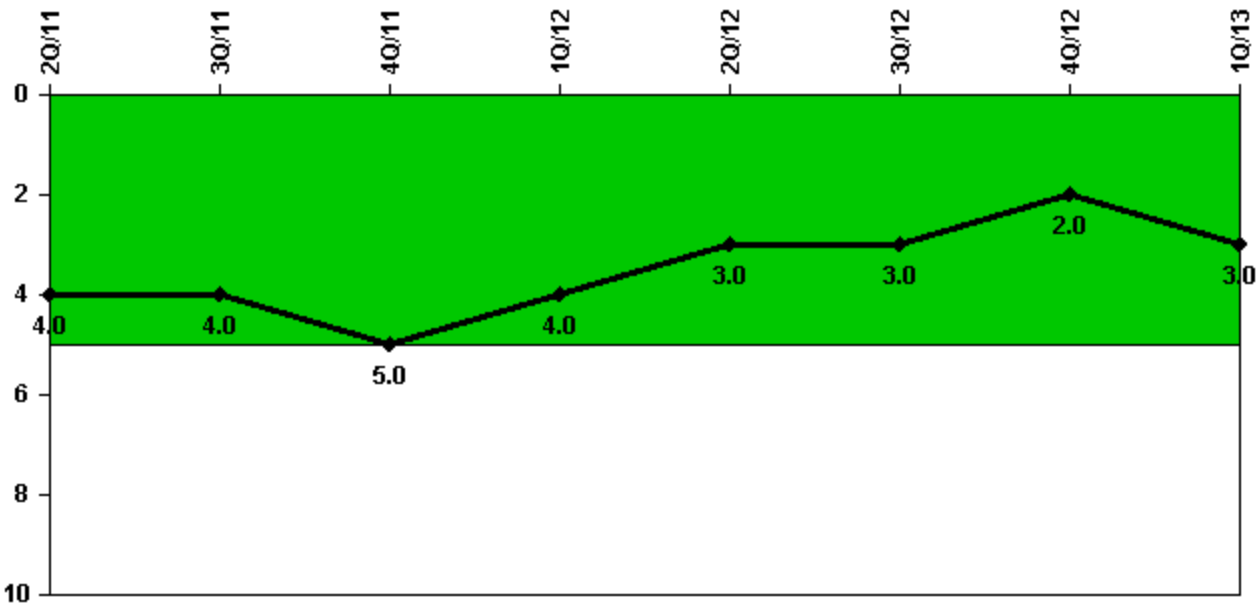
Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	1	2	1	0	0	2	0	1
Indicator value	4	4	5	4	3	3	2	3

Licensee Comments:

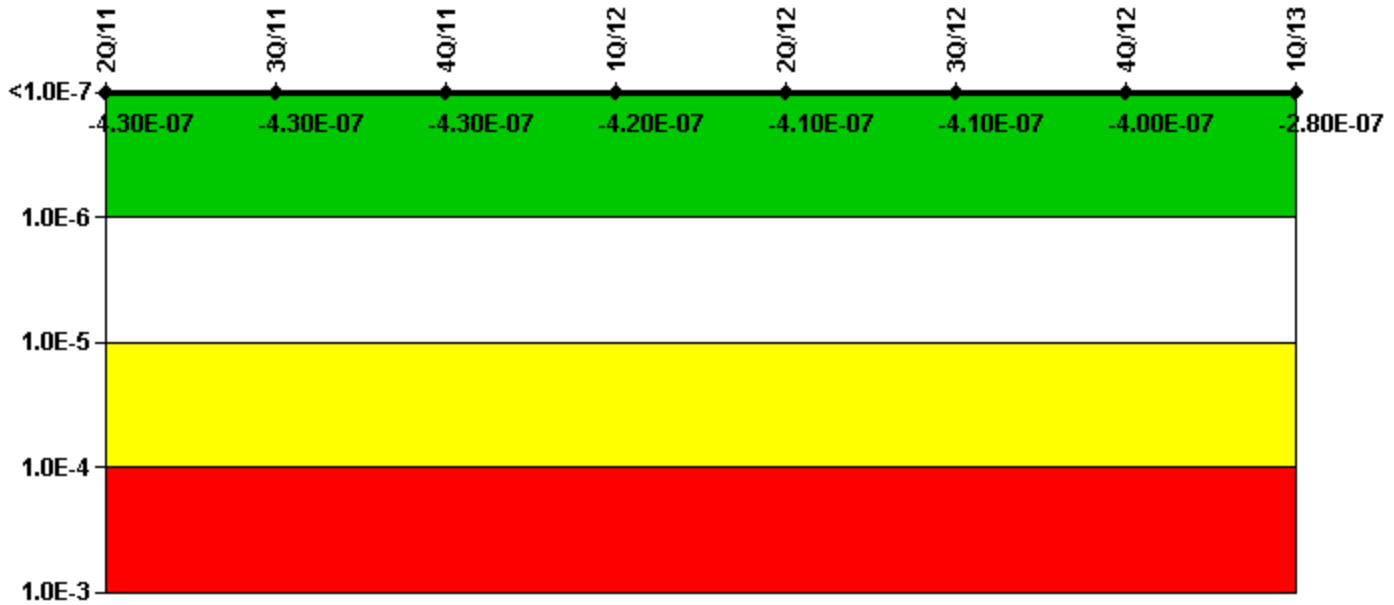
1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system.

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

3Q/11: Unit 1 LER 1-2011-005-00, "Emergency Diesel Generator Actuations Upon Loss of 230 kV Startup Due to Electrical Maintenance Testing Activities," was sent on July 22, 2011. These two events represent 2 SSFFs.

2Q/11: LER 1-2011-004-00, "Emergency Diesel Generators Actuated Upon 230 kV Isolation Due to Maintenance Activities on Relay Panel" was sent on June 30, 2011.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

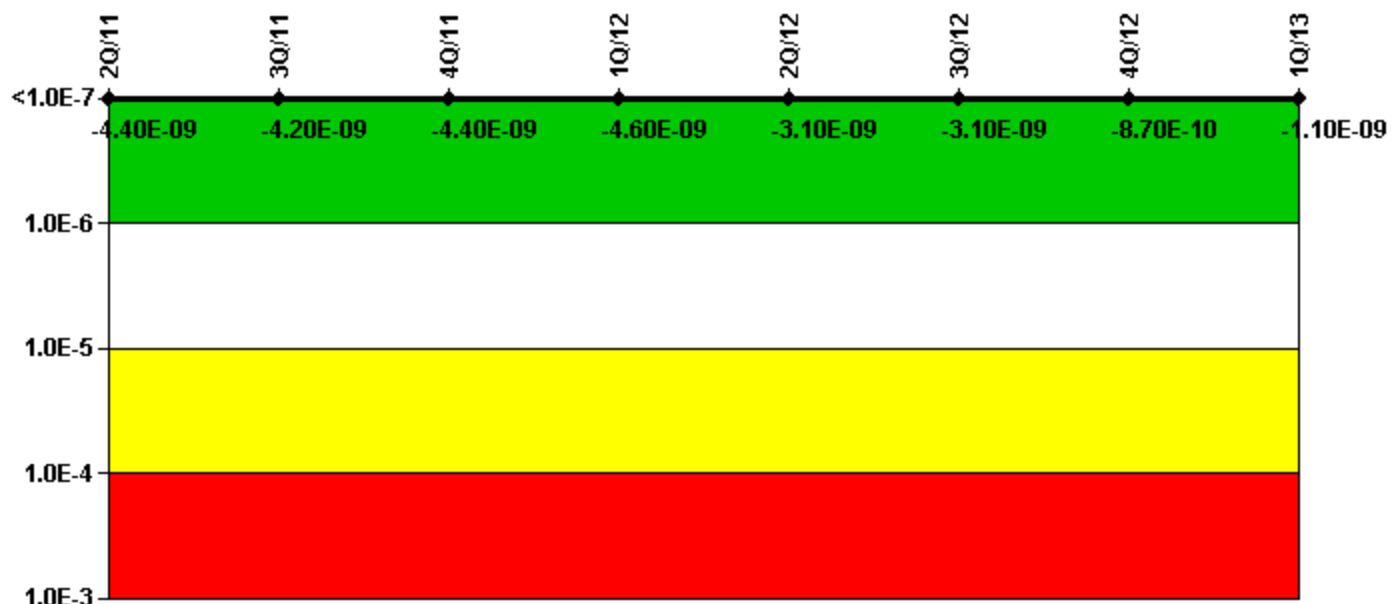
Mitigating Systems Performance Index, Emergency AC Power System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-5.00E-09	-2.02E-09	-7.77E-09	-1.01E-09	3.71E-09	5.26E-09	5.31E-09	-1.82E-10
URI (Δ CDF)	-4.23E-07	-4.23E-07	-4.23E-07	-4.20E-07	-4.16E-07	-4.12E-07	-4.07E-07	-2.84E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-07	-4.30E-07	-4.30E-07	-4.20E-07	-4.10E-07	-4.10E-07	-4.00E-07	-2.80E-07

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

2Q/11: After a conversation with an MSPI working group member it was decided that DCPD needed to report the Unit 1 Emergency Diesel starts during 2R16 as MSPI actual ESF actuations. Reported 7/25/11

Mitigating Systems Performance Index, High Pressure Injection System



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

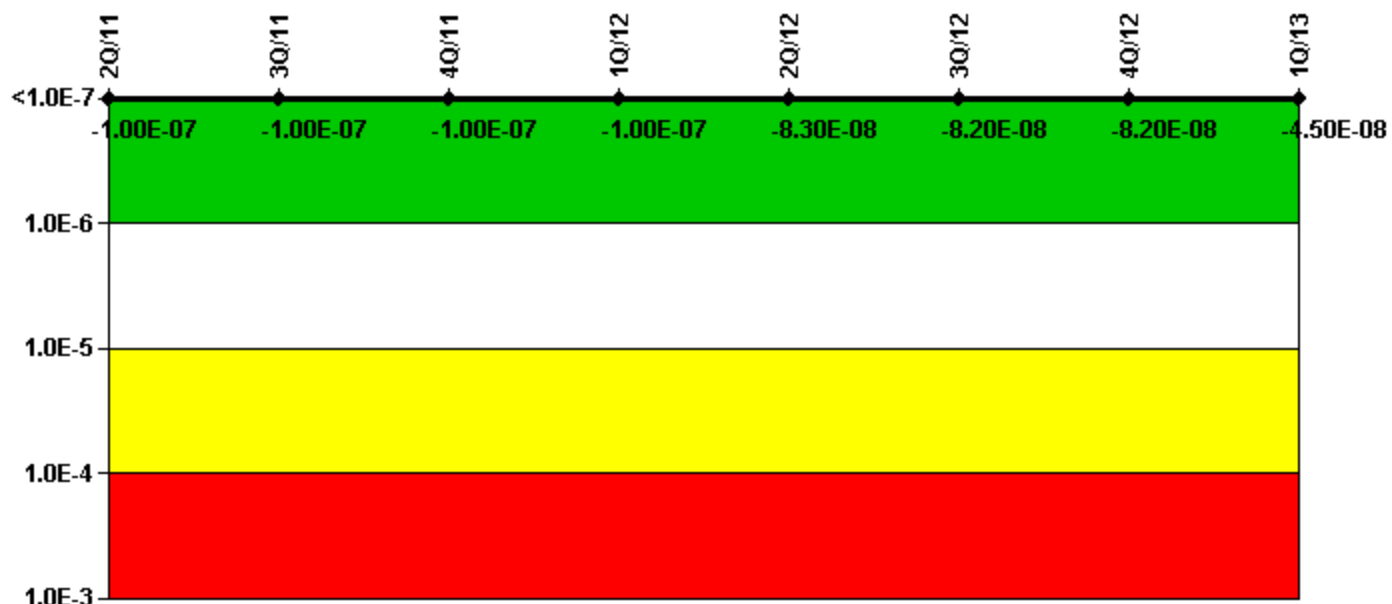
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-2.94E-09	-2.75E-09	-2.98E-09	-3.21E-09	-1.70E-09	-1.72E-09	5.15E-10	4.00E-11
URI (Δ CDF)	-1.41E-09	-1.40E-09	-1.40E-09	-1.39E-09	-1.39E-09	-1.39E-09	-1.39E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-09	-4.20E-09	-4.40E-09	-4.60E-09	-3.10E-09	-3.10E-09	-8.70E-10	-1.10E-09

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

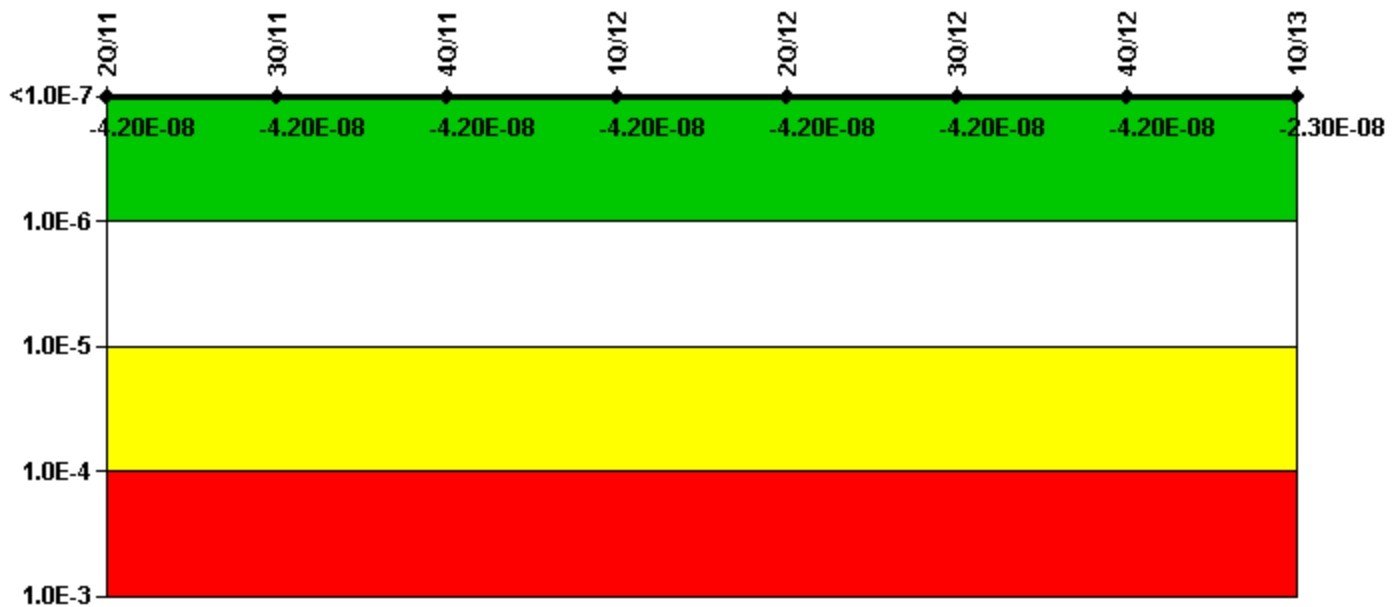
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.92E-08	9.98E-10	2.13E-09	2.13E-09	4.73E-09
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-8.30E-08	-8.20E-08	-8.20E-08	-4.50E-08

Licensee Comments:

1Q/13: 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

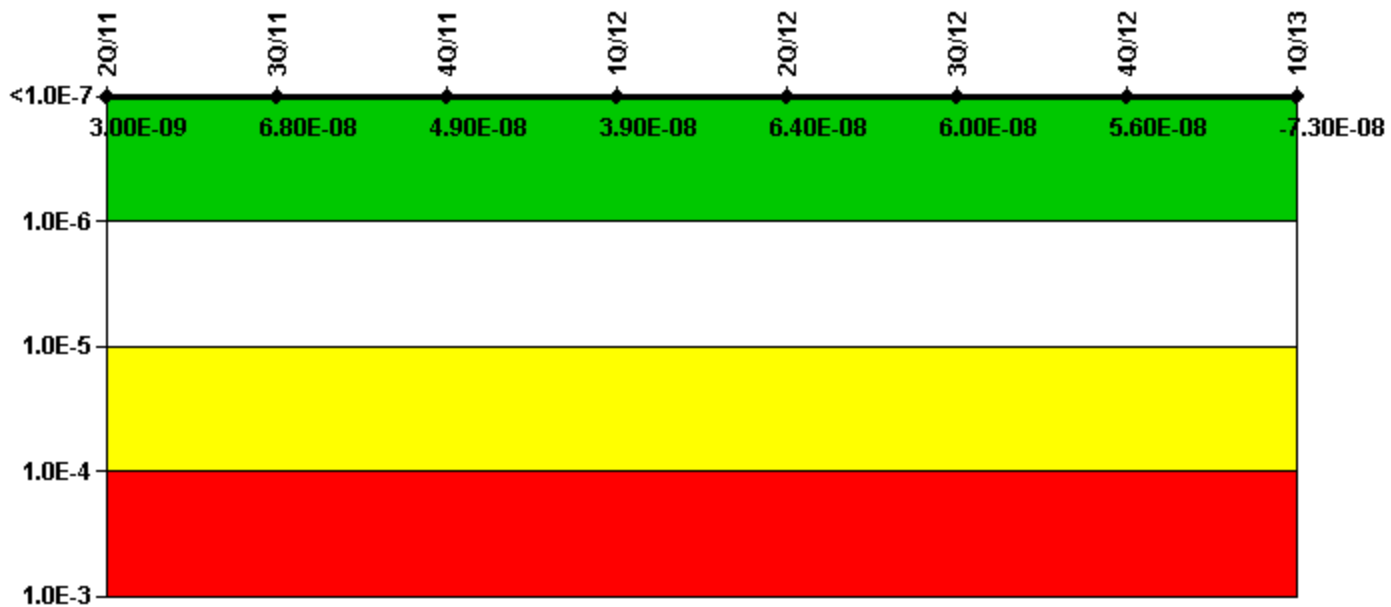
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.60E-09
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-1.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-2.30E-08

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

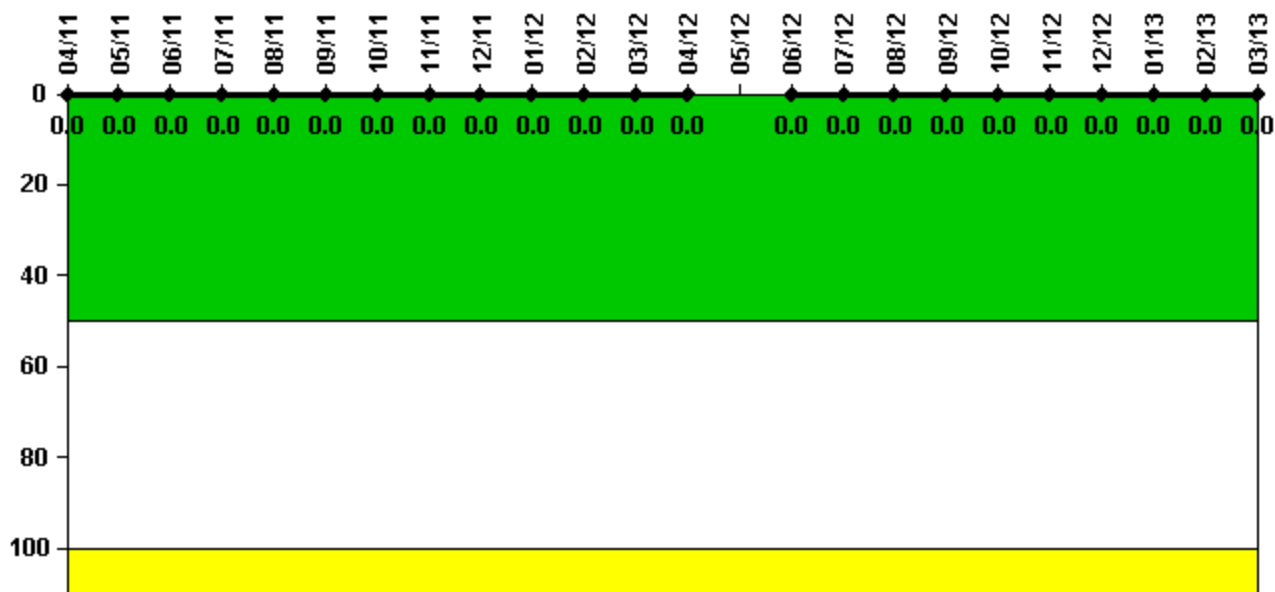
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	3.00E-08	9.48E-08	7.62E-08	6.65E-08	9.12E-08	8.73E-08	8.27E-08	-2.08E-08
URI (Δ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.00E-09	6.80E-08	4.90E-08	3.90E-08	6.40E-08	6.00E-08	5.60E-08	-7.30E-08

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



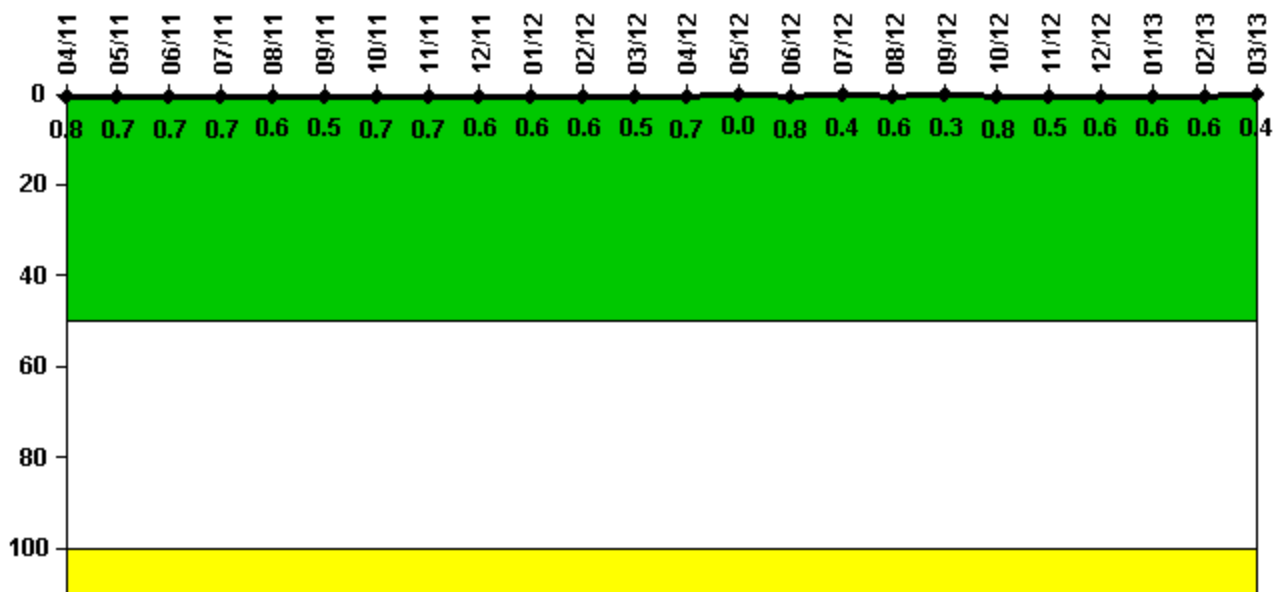
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.000091	0.000091	0.000104	0.000095	0.000100	0.000104	0.000115	0.000105	0.000115	0.000128	0.000120	0.000116
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
Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000090	N/A	0.000055	0.000057	0.000065	0.000057	0.000062	0.000059	0.000062	0.000065	0.000064	0.000068
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	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



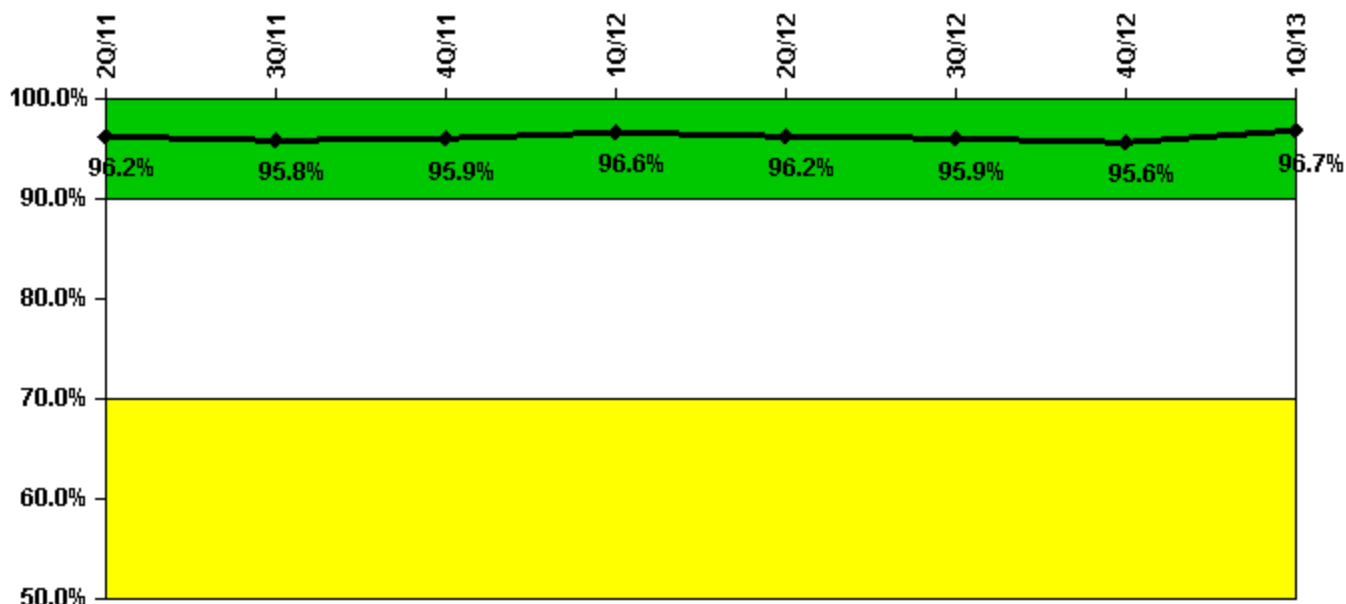
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.083	0.072	0.066	0.068	0.059	0.046	0.066	0.069	0.059	0.058	0.059	0.046
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	0.7	0.7	0.7	0.6	0.5	0.7	0.7	0.6	0.6	0.6	0.5
Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.070	0	0.075	0.044	0.058	0.033	0.075	0.049	0.055	0.061	0.056	0.041
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	0.7	0	0.8	0.4	0.6	0.3	0.8	0.5	0.6	0.6	0.6	0.4

Licensee Comments: none

Drill/Exercise Performance



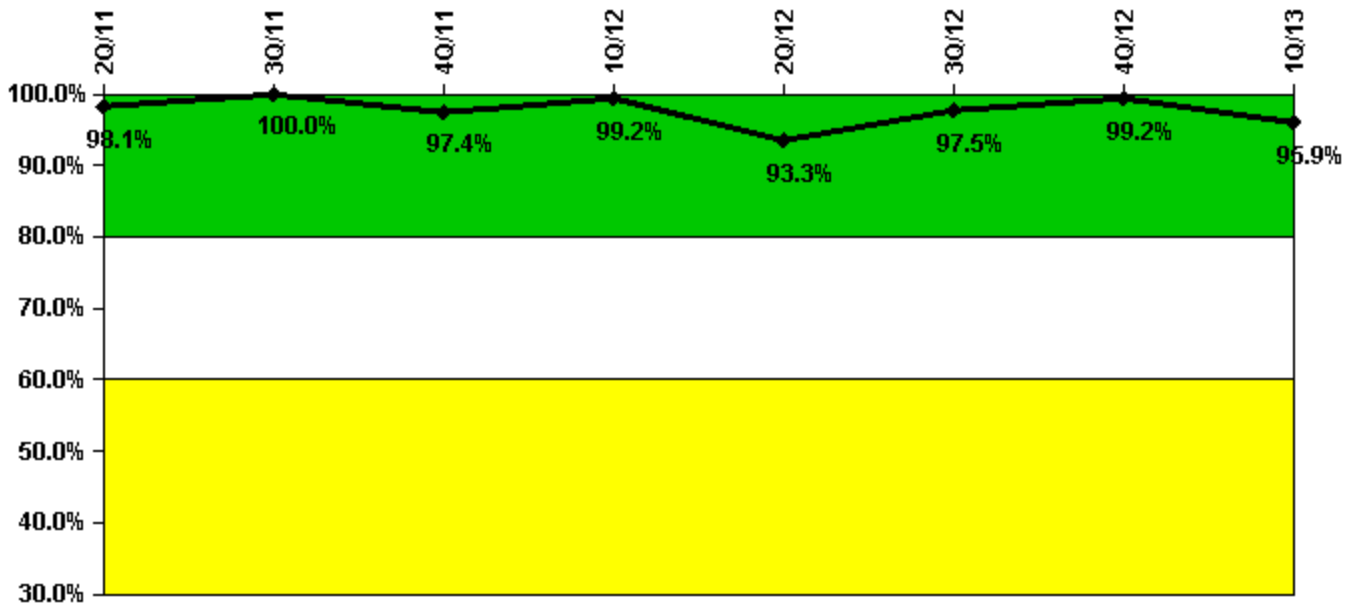
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	21.0	9.0	28.0	57.0	6.0	52.0	22.0	8.0
Total opportunities	22.0	9.0	28.0	58.0	6.0	54.0	25.0	8.0
Indicator value	96.2%	95.8%	95.9%	96.6%	96.2%	95.9%	95.6%	96.7%

Licensee Comments: none

ERO Drill Participation



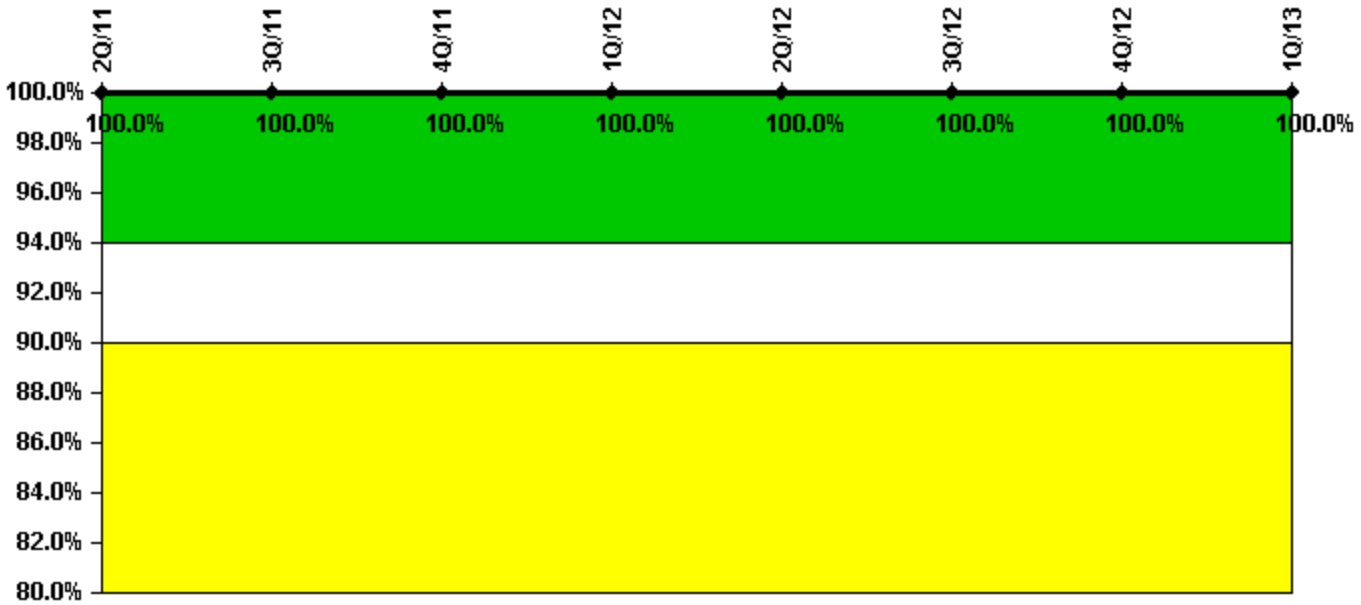
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	102.0	104.0	111.0	117.0	112.0	116.0	119.0	117.0
Total Key personnel	104.0	104.0	114.0	118.0	120.0	119.0	120.0	122.0
Indicator value	98.1%	100.0%	97.4%	99.2%	93.3%	97.5%	99.2%	95.9%

Licensee Comments: none

Alert & Notification System



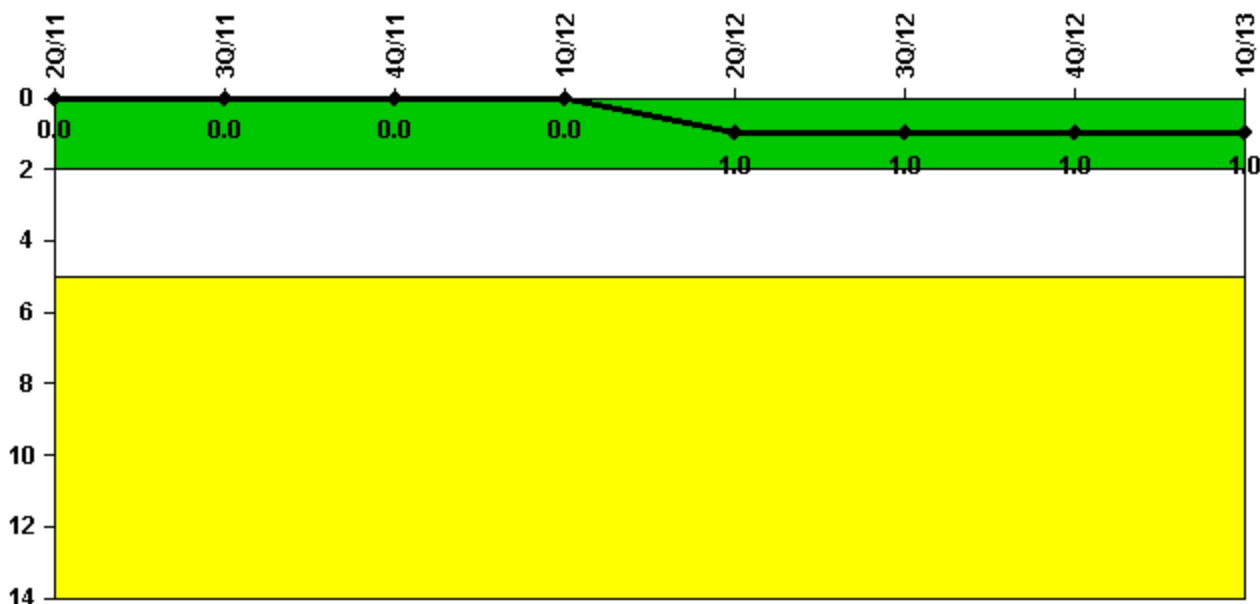
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	917	1309	917	1048	916	1310	917	1046
Total sirens-tests	917	1310	917	1048	917	1310	917	1047
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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
High radiation area occurrences	0	0	0	0	1	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	1	1	1	1

Licensee Comments:

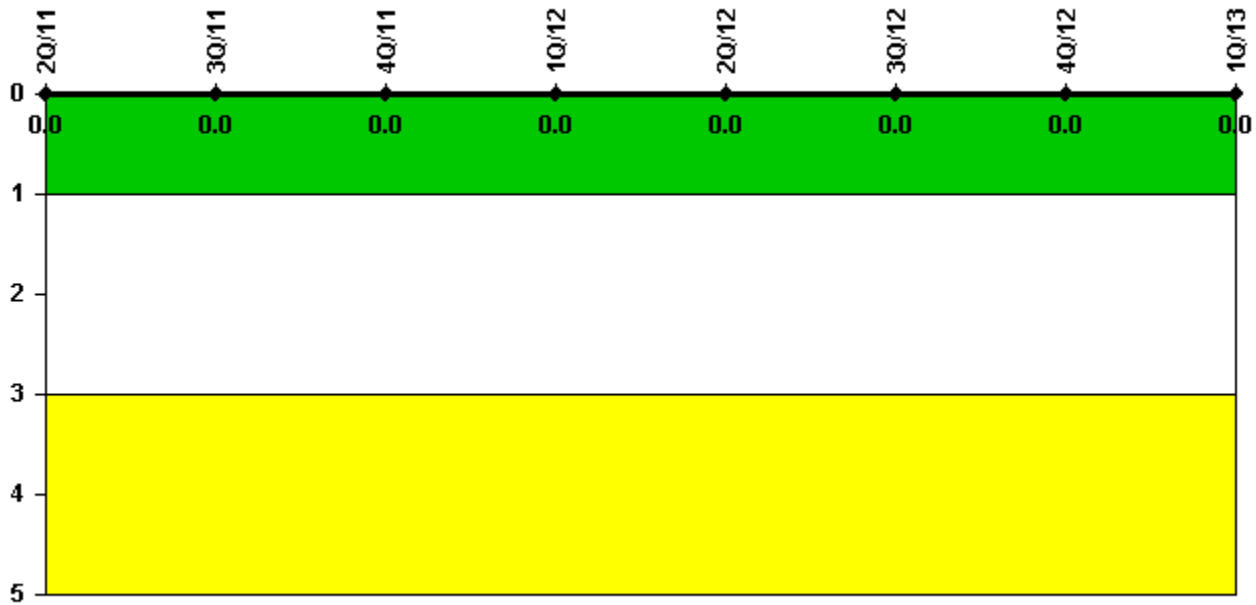
1Q/13: 50538483 identified a potential access path through a pipe chase between the Letdown Orifice Room and the Regenerative Heat Exchanger room. This was later determined to not be a violation of DCPD Technical Specification 5.7.2. Retracted

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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: April 23, 2013

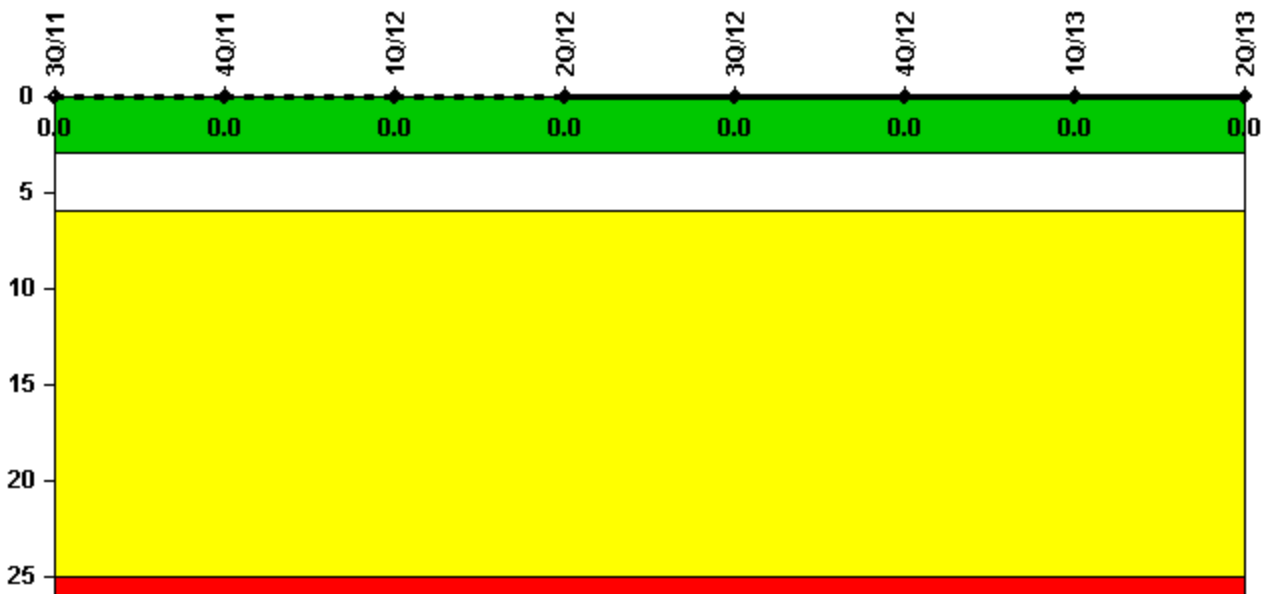
Diablo Canyon 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

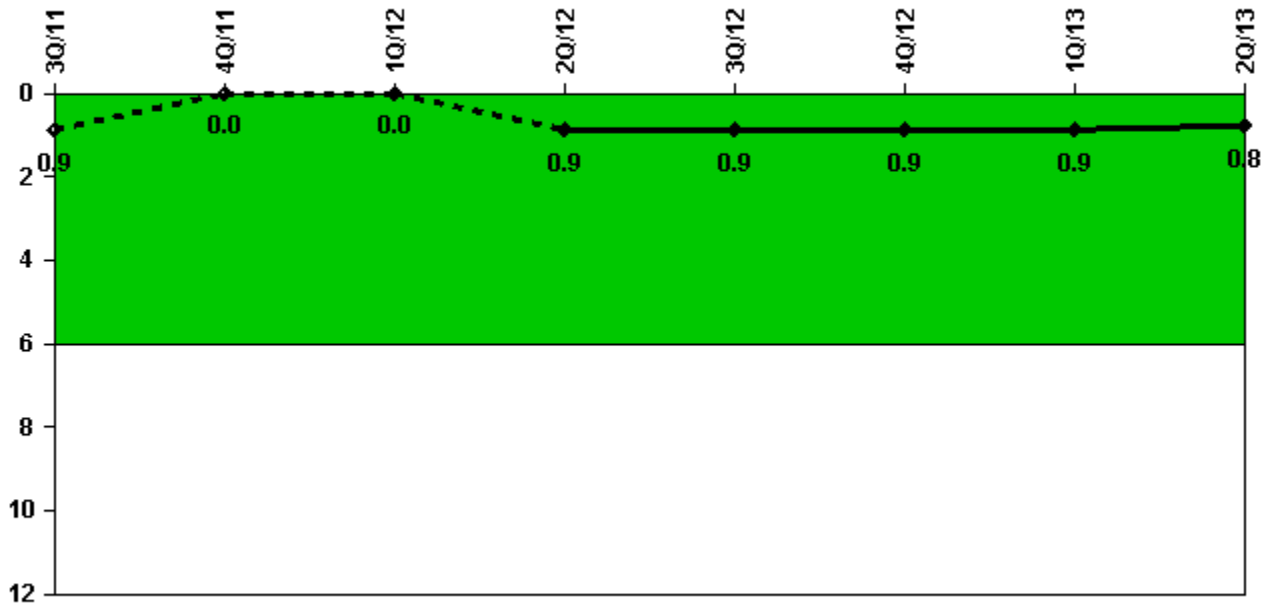
Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	893.4	2208.0	2209.0	2159.0	2067.9
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	1.0	0	0	0	1.0
Critical hours	2208.0	2209.0	2183.0	893.4	2208.0	2209.0	2159.0	2067.9
Indicator value	0.9	0	0	0.9	0.9	0.9	0.9	0.8

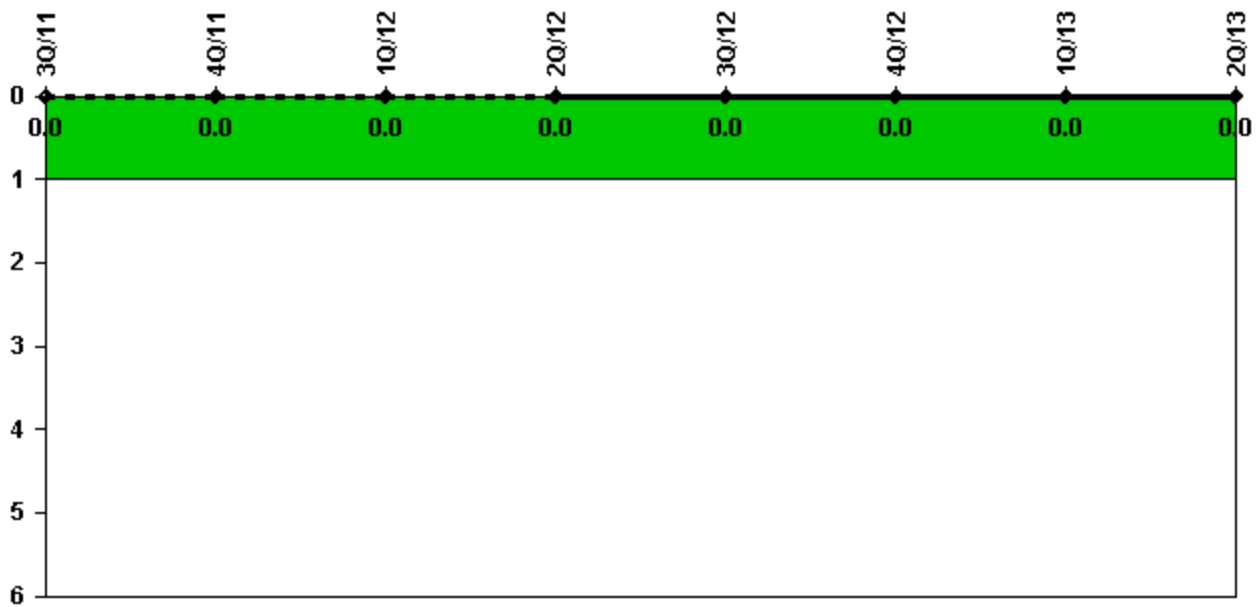
Licensee Comments:

2Q/13: DCPD Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

2Q/12: On June 19, 2012, during power ascension following refueling outage 17, operators noted high vibration in a main feedwater pump, and reduced power to facilitate corrective maintenance (unplanned power change). Reference SAPN 50492737.

Unplanned Scrams with Complications



Thresholds: White > 1.0

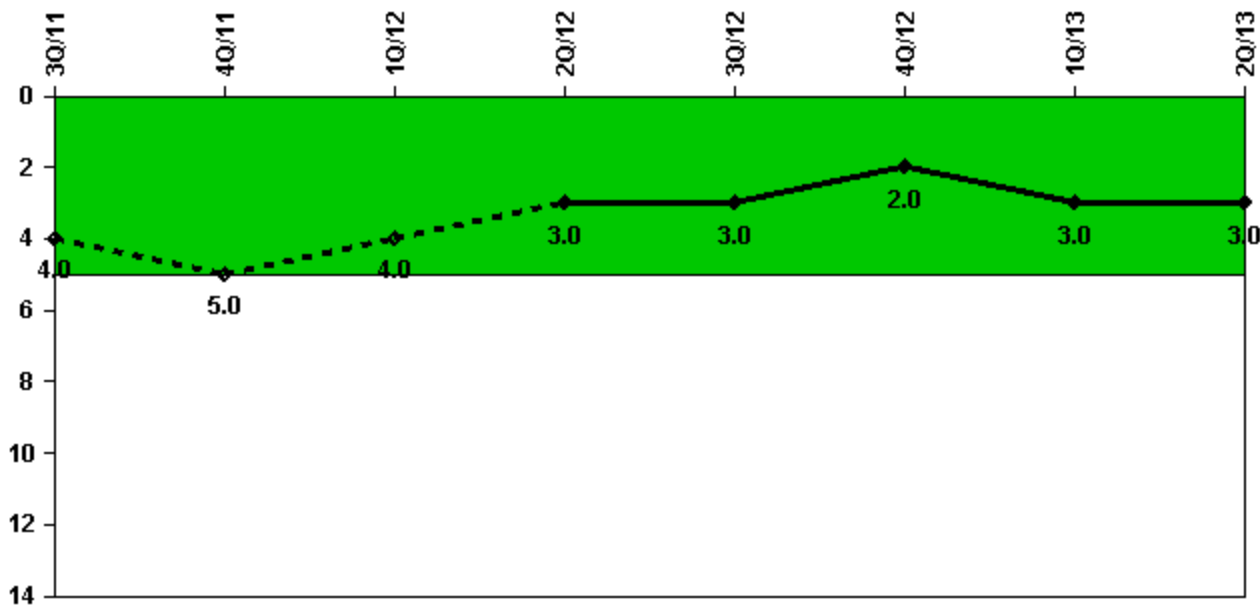
Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
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:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	2	1	0	0	2	0	1	0
Indicator value	4	5	4	3	3	2	3	3

Licensee Comments:

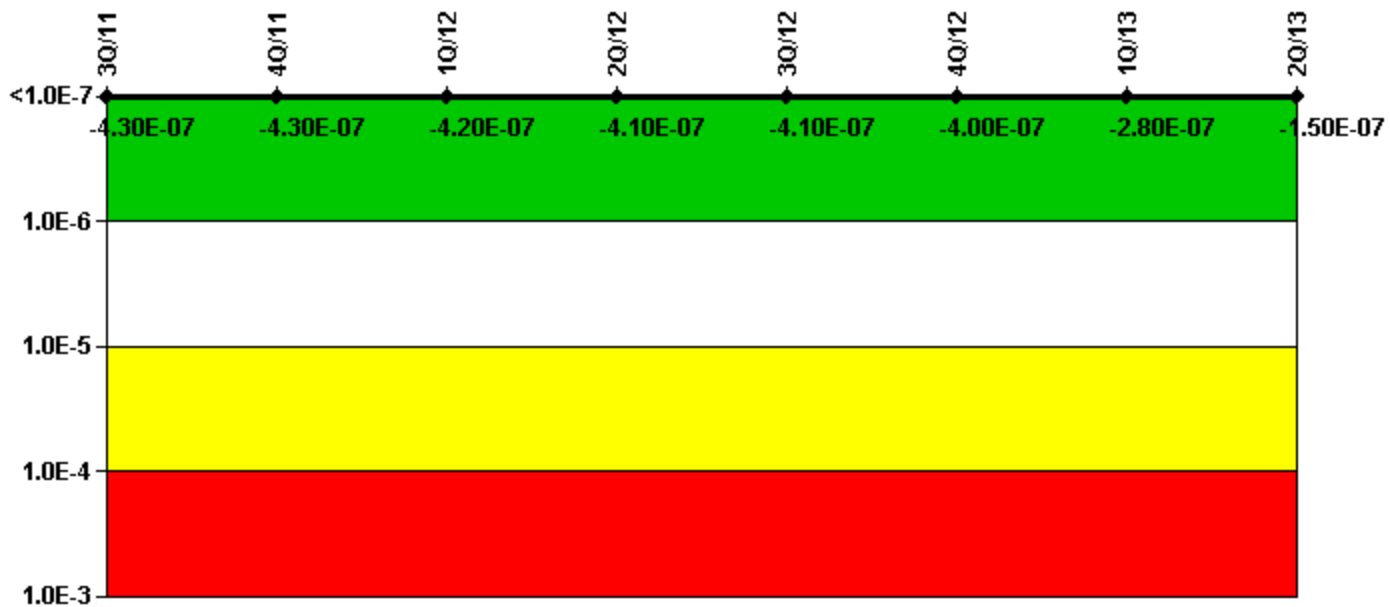
1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system.

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system. See LER 1-2012-008-00. (LER # added to comment field 6-13-13)

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

3Q/11: Unit 1 LER 1-2011-005-00, "Emergency Diesel Generator Actuations Upon Loss of 230 kV Startup Due to Electrical Maintenance Testing Activities," was sent on July 22, 2011. These two events represent 2 SSFFs.

Mitigating Systems Performance Index, Emergency AC Power System



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

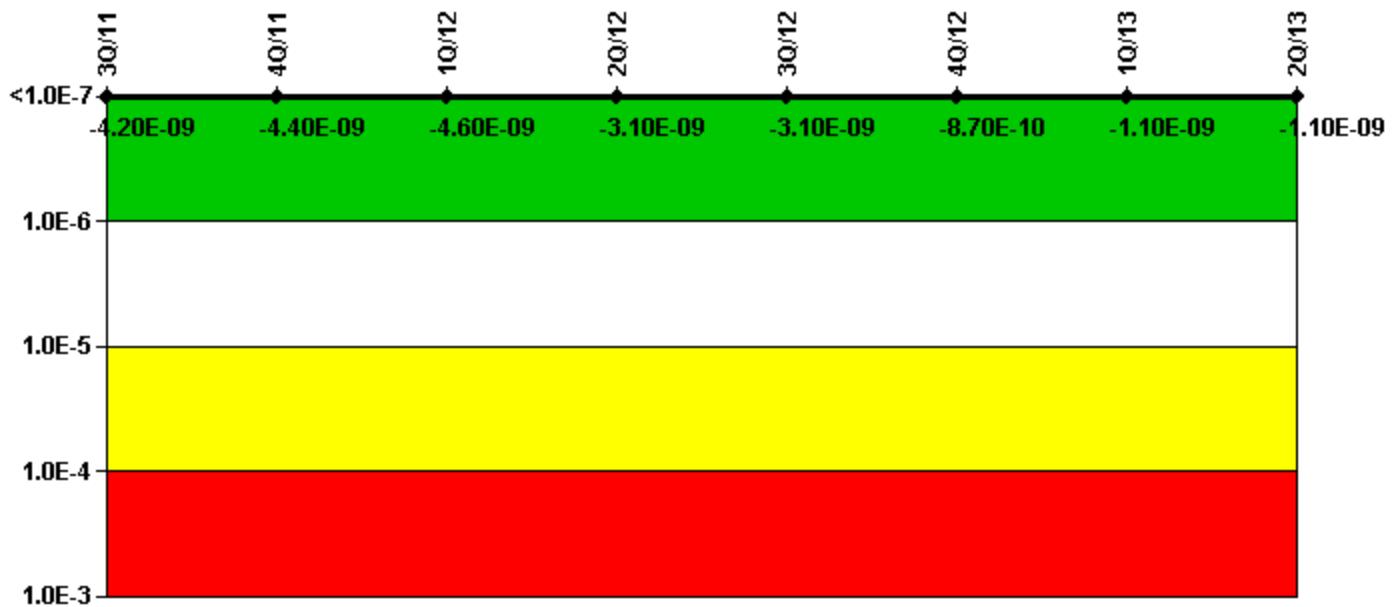
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-2.02E-09	-7.77E-09	-1.01E-09	3.71E-09	5.26E-09	5.31E-09	-1.82E-10	9.22E-09
URI (Δ CDF)	-4.23E-07	-4.23E-07	-4.20E-07	-4.16E-07	-4.12E-07	-4.07E-07	-2.84E-07	-1.58E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-07	-4.30E-07	-4.20E-07	-4.10E-07	-4.10E-07	-4.00E-07	-2.80E-07	-1.50E-07

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

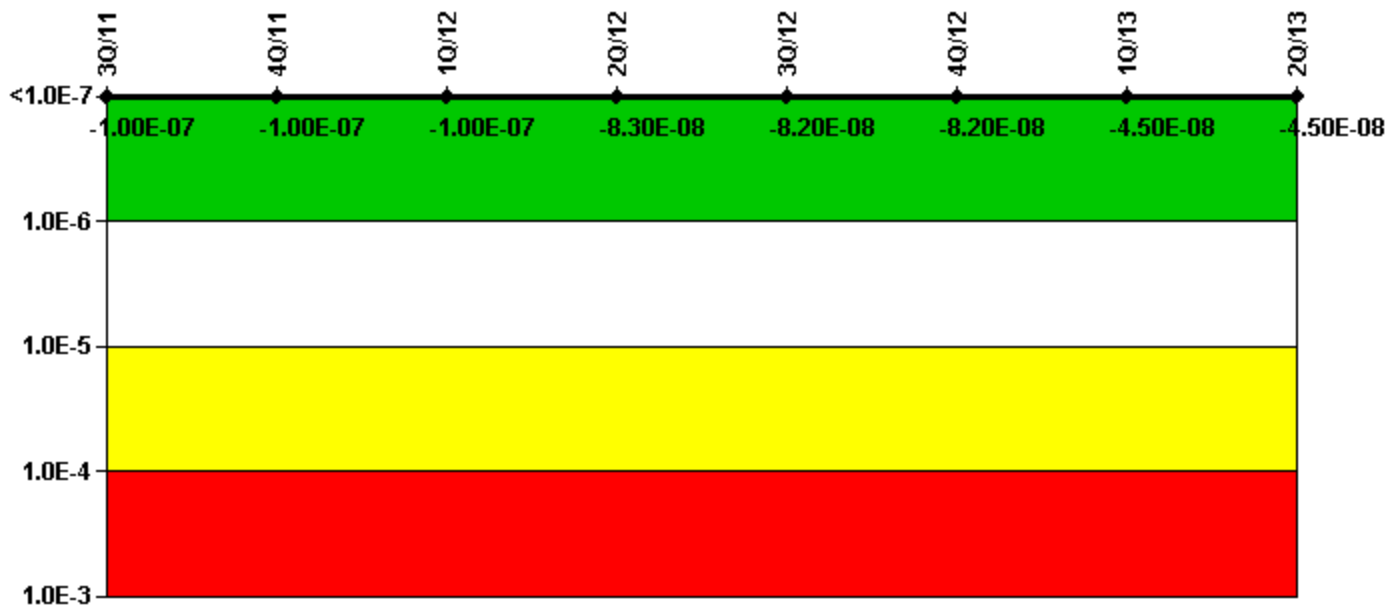
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-2.75E-09	-2.98E-09	-3.21E-09	-1.70E-09	-1.72E-09	5.15E-10	4.00E-11	4.45E-11
URI (Δ CDF)	-1.40E-09	-1.40E-09	-1.39E-09	-1.39E-09	-1.39E-09	-1.39E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-09	-4.40E-09	-4.60E-09	-3.10E-09	-3.10E-09	-8.70E-10	-1.10E-09	-1.10E-09

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

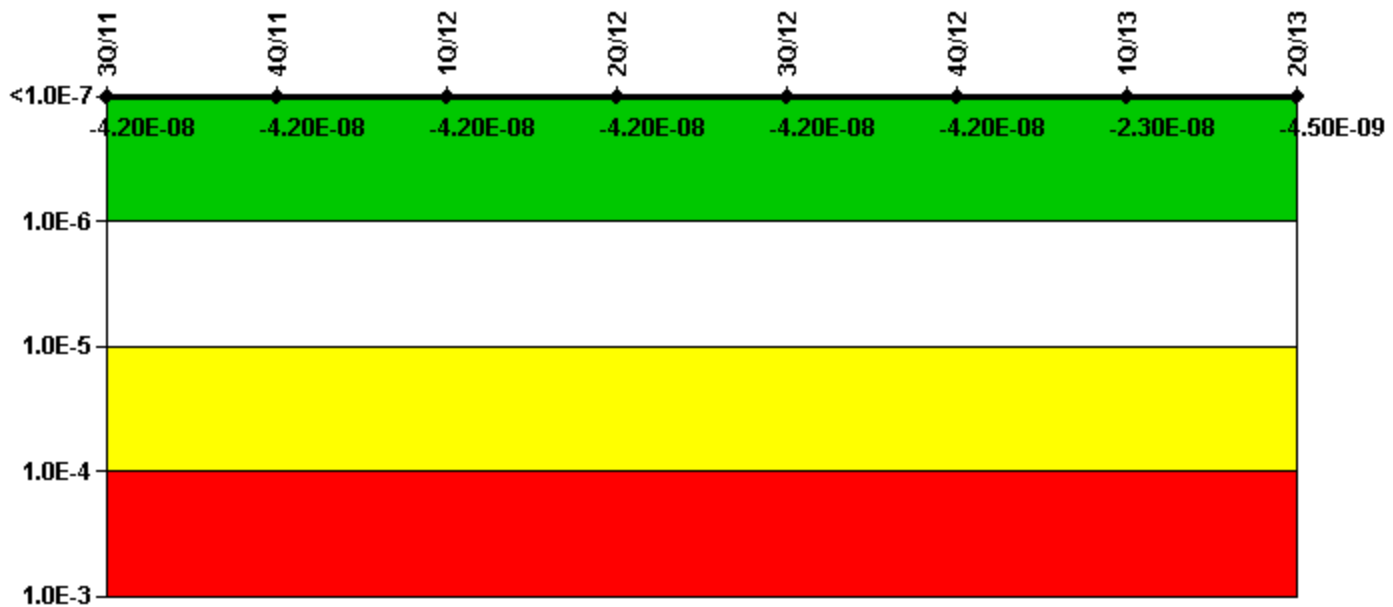
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-1.70E-08	-1.70E-08	-1.92E-08	9.98E-10	2.13E-09	2.13E-09	4.73E-09	4.81E-09
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-1.00E-07	-1.00E-07	-8.30E-08	-8.20E-08	-8.20E-08	-4.50E-08	-4.50E-08

Licensee Comments:

1Q/13: 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

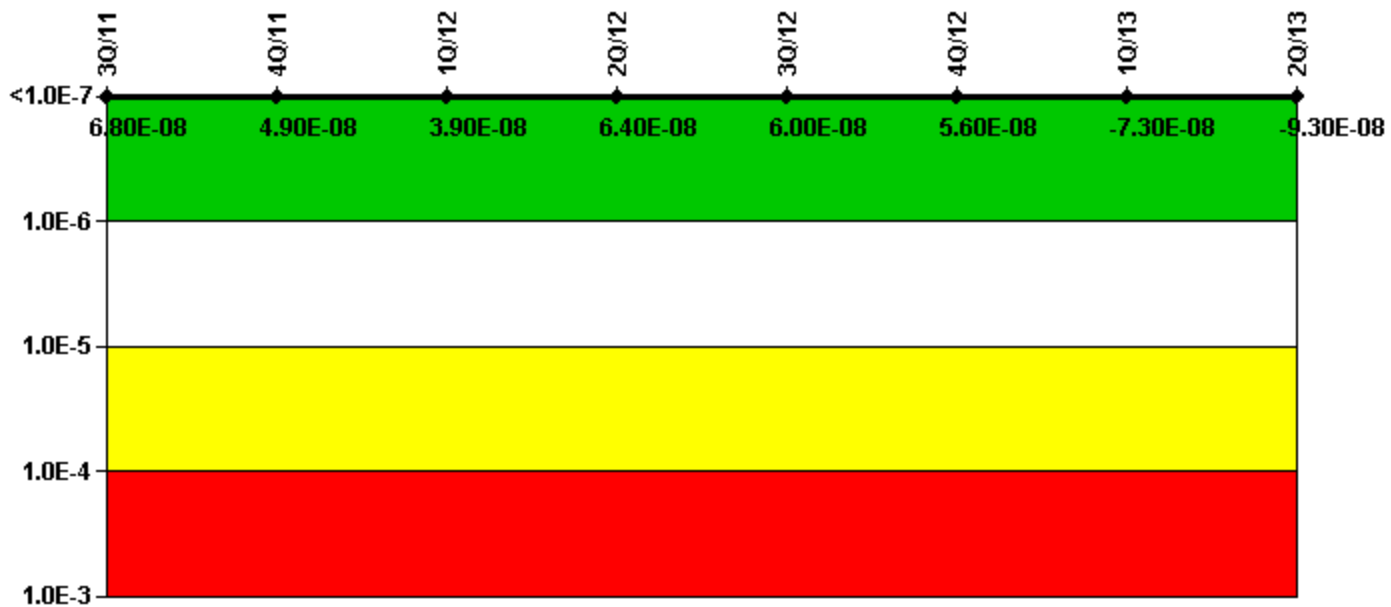
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.60E-09	1.44E-08
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-1.76E-08	-1.88E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-2.30E-08	-4.50E-09

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

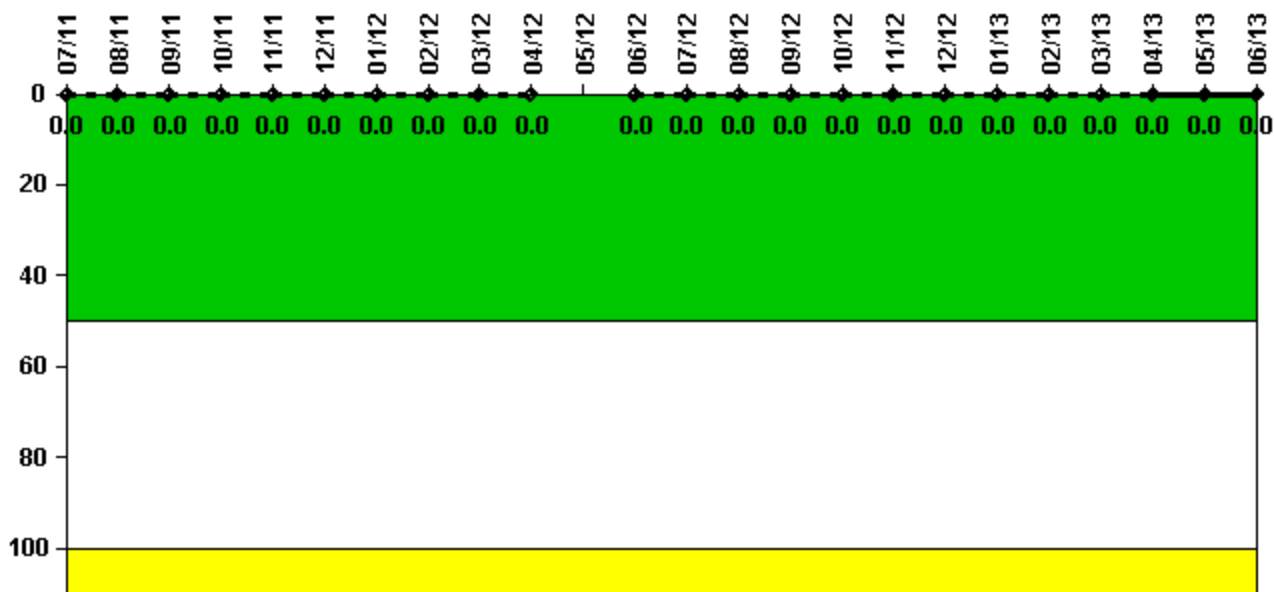
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	9.48E-08	7.62E-08	6.65E-08	9.12E-08	8.73E-08	8.27E-08	-2.08E-08	-4.07E-08
URI (Δ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.80E-08	4.90E-08	3.90E-08	6.40E-08	6.00E-08	5.60E-08	-7.30E-08	-9.30E-08

Licensee Comments:

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

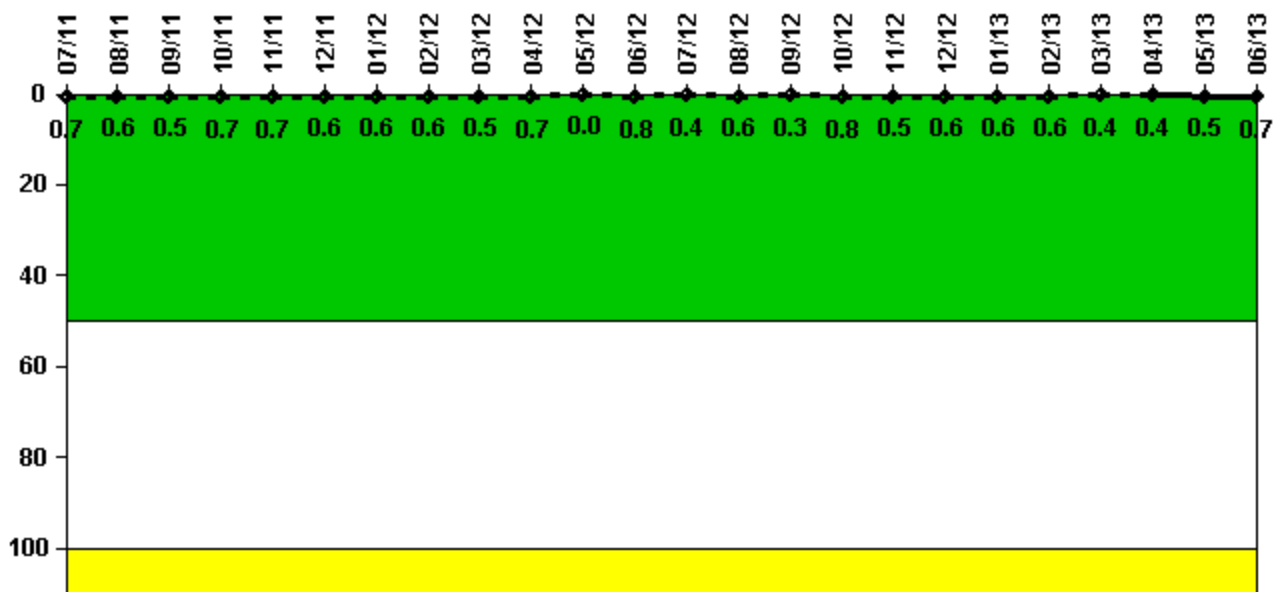
Notes

Reactor Coolant System Activity	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum activity	0.000095	0.000100	0.000104	0.000115	0.000105	0.000115	0.000128	0.000120	0.000116	0.000090	N/A	0.000055
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	N/A	0

Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000057	0.000065	0.000057	0.000062	0.000059	0.000062	0.000065	0.000064	0.000068	0.000073	0.000070	0.000105
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



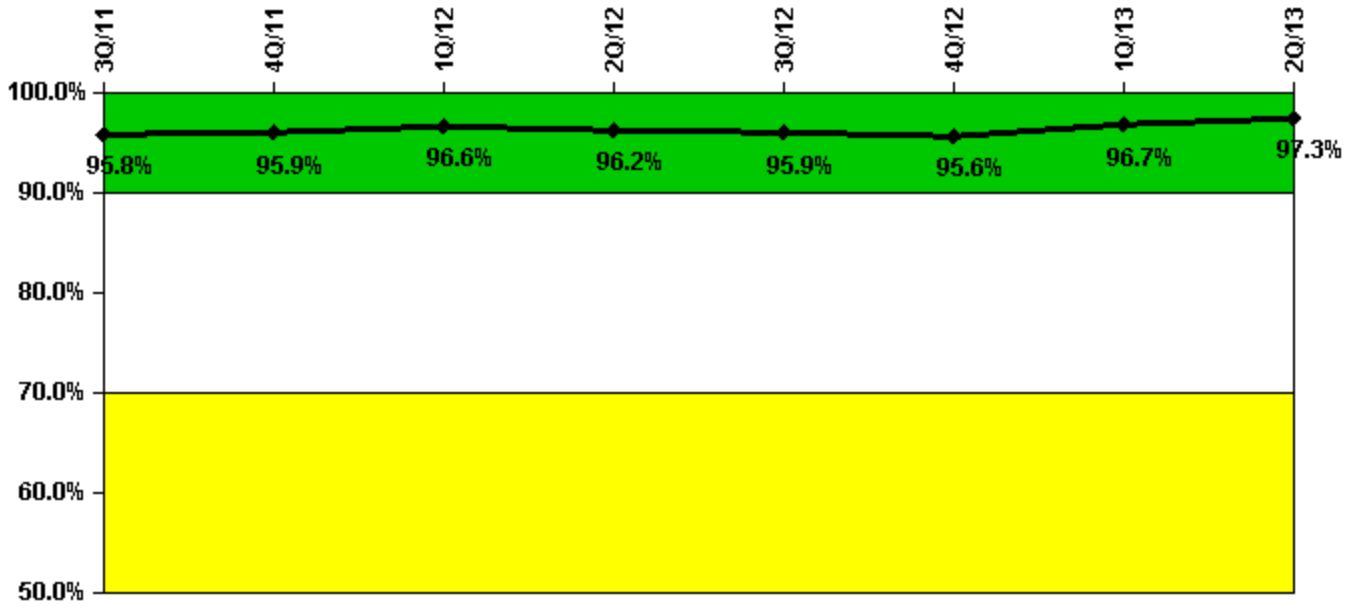
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	0.068	0.059	0.046	0.066	0.069	0.059	0.058	0.059	0.046	0.070	0	0.075
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	0.7	0.6	0.5	0.7	0.7	0.6	0.6	0.6	0.5	0.7	0	0.8
Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.044	0.058	0.033	0.075	0.049	0.055	0.061	0.056	0.041	0.040	0.050	0.070
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	0.4	0.6	0.3	0.8	0.5	0.6	0.6	0.6	0.4	0.4	0.5	0.7

Licensee Comments: none

Drill/Exercise Performance



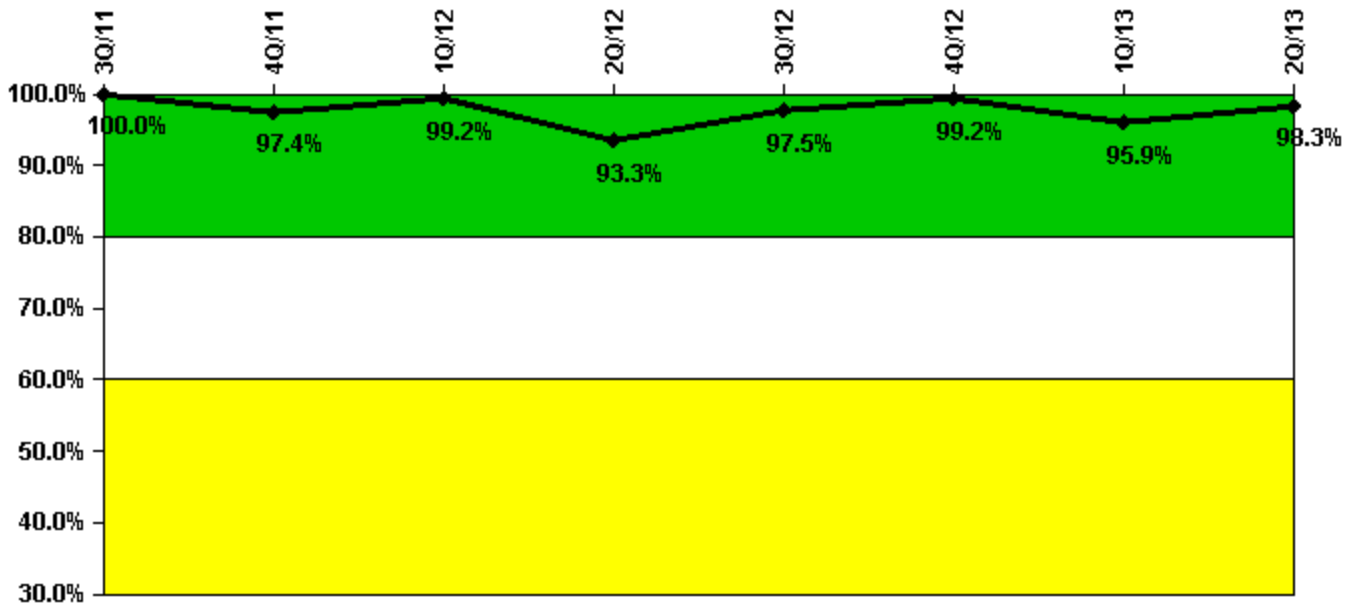
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	9.0	28.0	57.0	6.0	52.0	22.0	8.0	37.0
Total opportunities	9.0	28.0	58.0	6.0	54.0	25.0	8.0	37.0
Indicator value	95.8%	95.9%	96.6%	96.2%	95.9%	95.6%	96.7%	97.3%

Licensee Comments: none

ERO Drill Participation



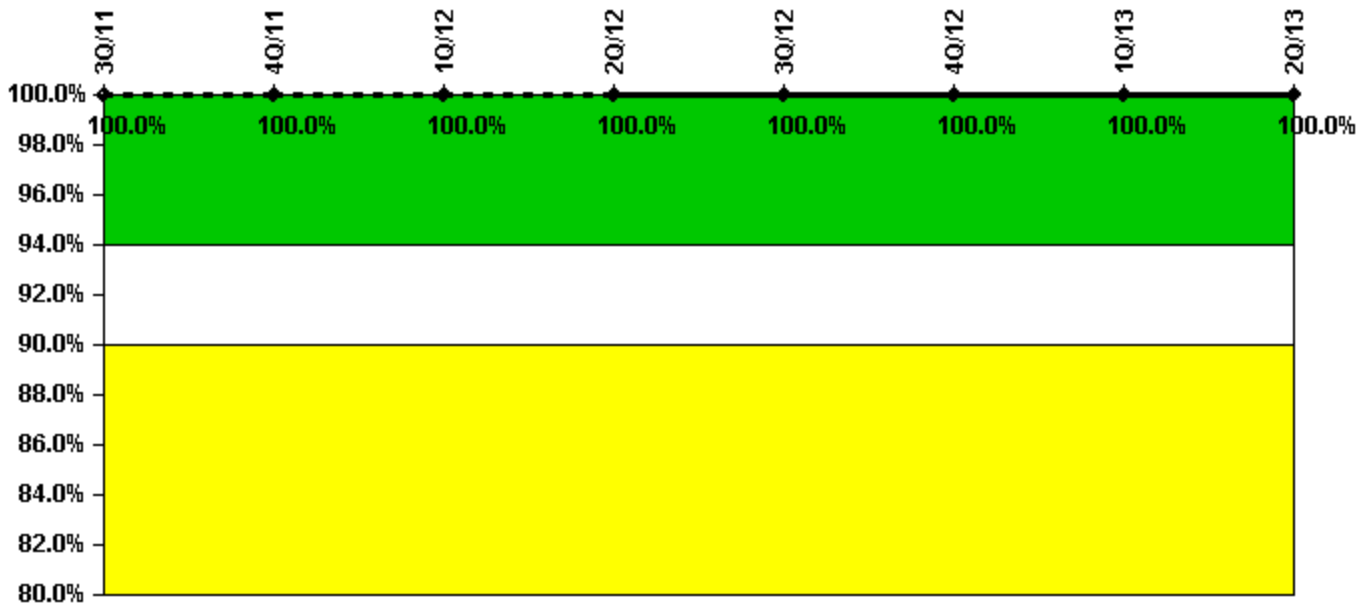
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	104.0	111.0	117.0	112.0	116.0	119.0	117.0	119.0
Total Key personnel	104.0	114.0	118.0	120.0	119.0	120.0	122.0	121.0
Indicator value	100.0%	97.4%	99.2%	93.3%	97.5%	99.2%	95.9%	98.3%

Licensee Comments: none

Alert & Notification System



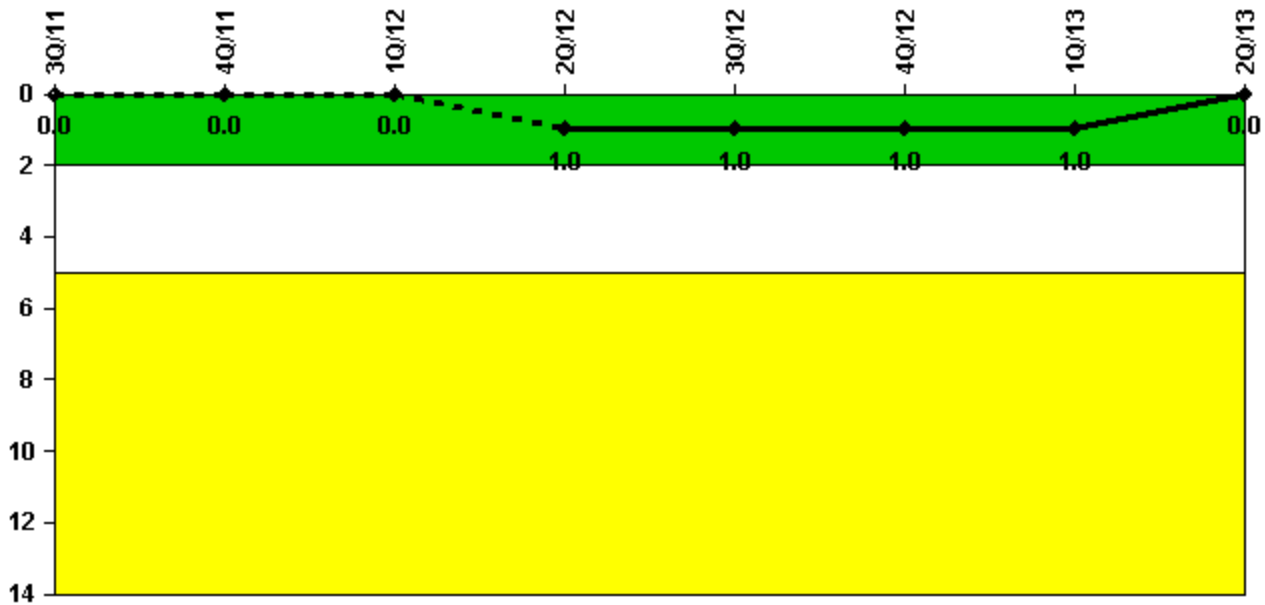
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	1309	917	1048	916	1310	917	1046	917
Total sirens-tests	1310	917	1048	917	1310	917	1047	917
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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
High radiation area occurrences	0	0	0	1	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	1	1	1	1	0

Licensee Comments:

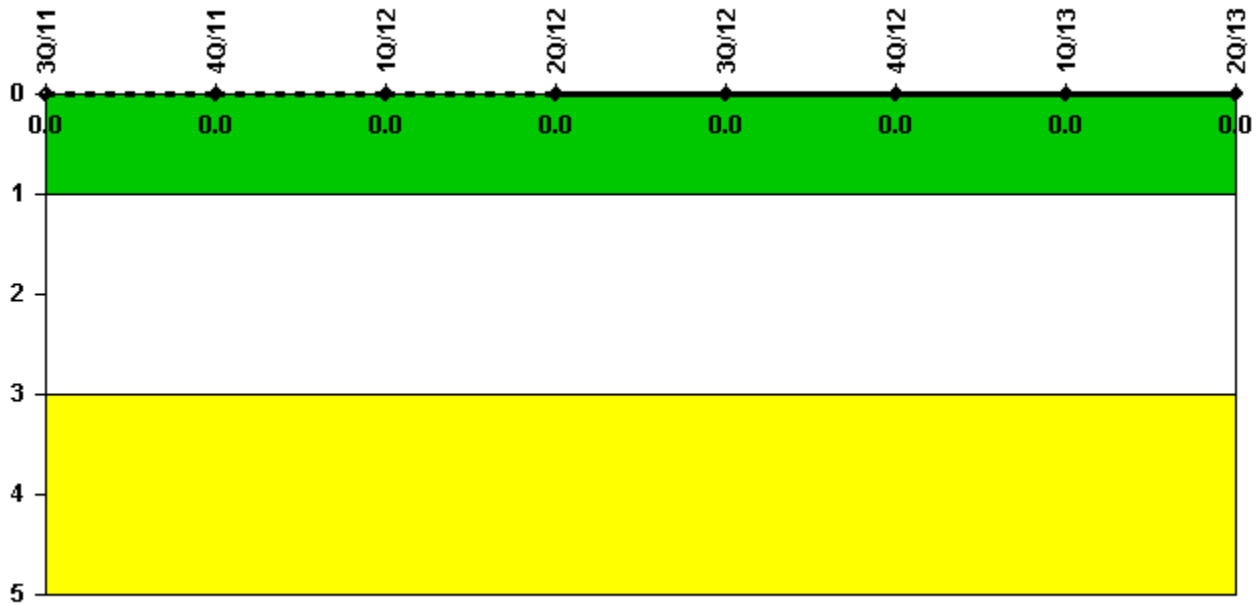
1Q/13: 50538483 identified a potential access path through a pipe chase between the Letdown Orifice Room and the Regenerative Heat Exchanger room. This was later determined to not be a violation of DCPD Technical Specification 5.7.2. Retracted

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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: August 19, 2013

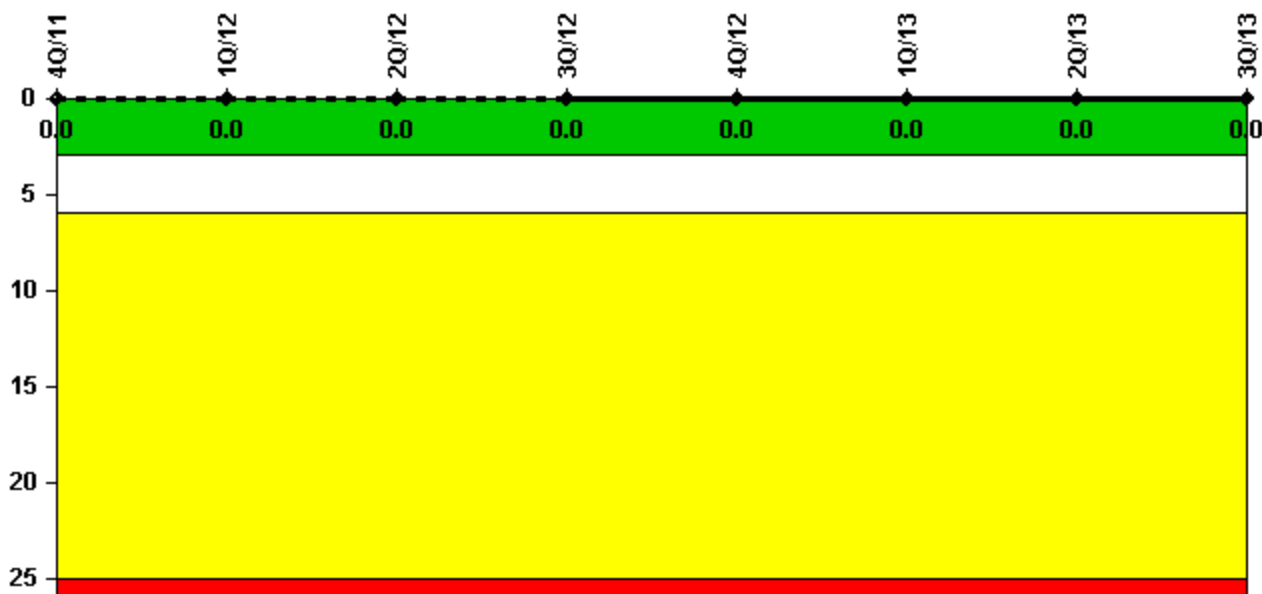
Diablo Canyon 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

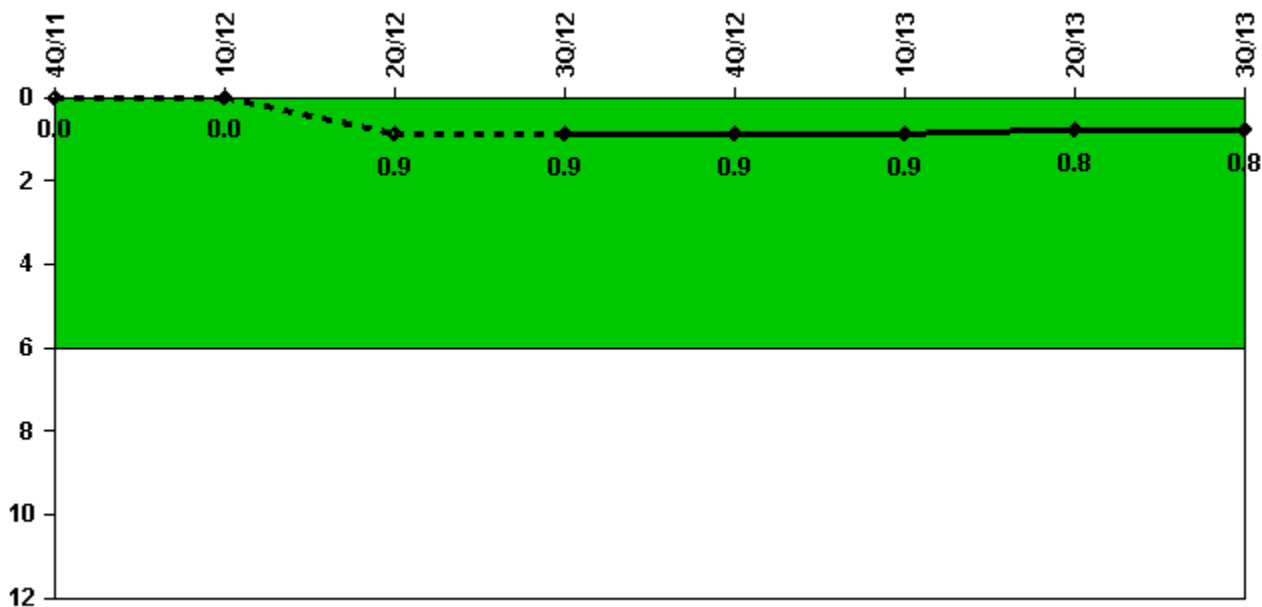
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	893.4	2208.0	2209.0	2159.0	2067.9	2183.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	1.0	0	0	0	1.0	0
Critical hours	2209.0	2183.0	893.4	2208.0	2209.0	2159.0	2067.9	2183.5
Indicator value	0	0	0.9	0.9	0.9	0.9	0.8	0.8

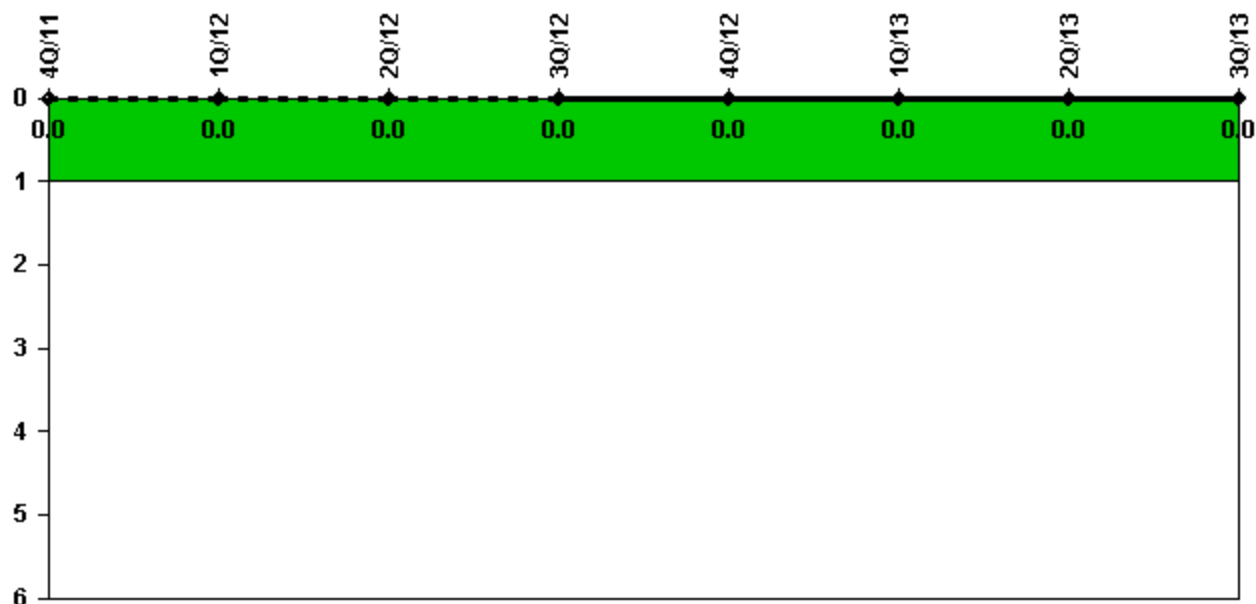
Licensee Comments:

2Q/13: DCPD Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

2Q/12: On June 19, 2012, during power ascension following refueling outage 17, operators noted high vibration in a main feedwater pump, and reduced power to facilitate corrective maintenance (unplanned power change). Reference SAPN 50492737.

Unplanned Scrams with Complications



Thresholds: White > 1.0

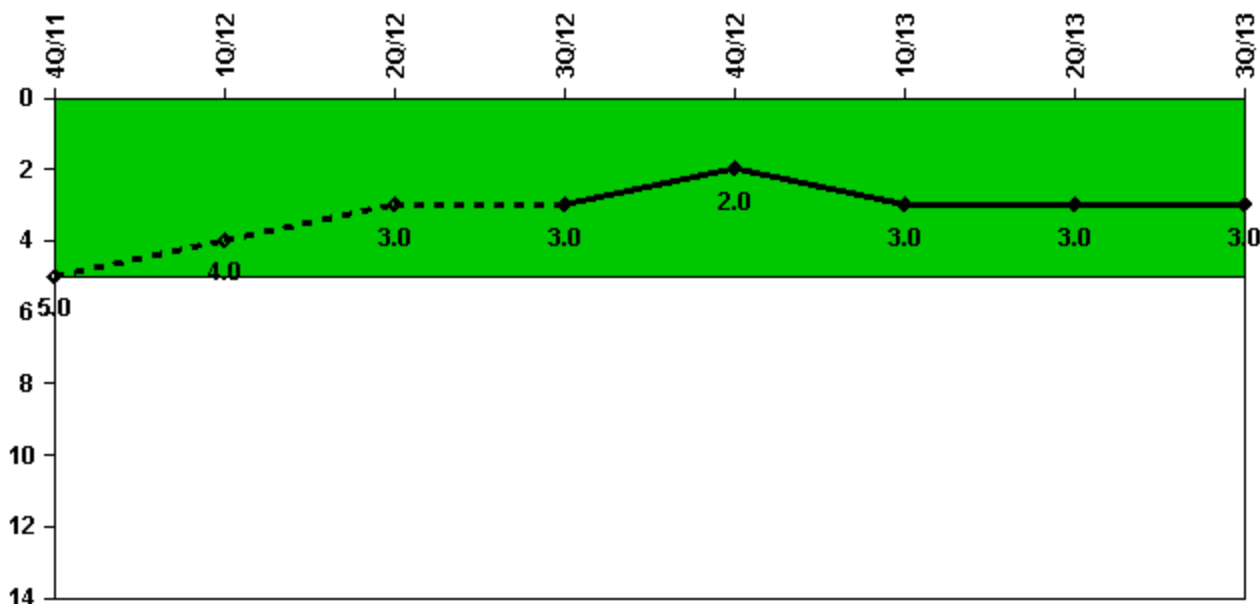
Notes

Unplanned Scrams with Complications	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
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:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	1	0	0	2	0	1	0	2
Indicator value	5	4	3	3	2	3	3	3

Licensee Comments:

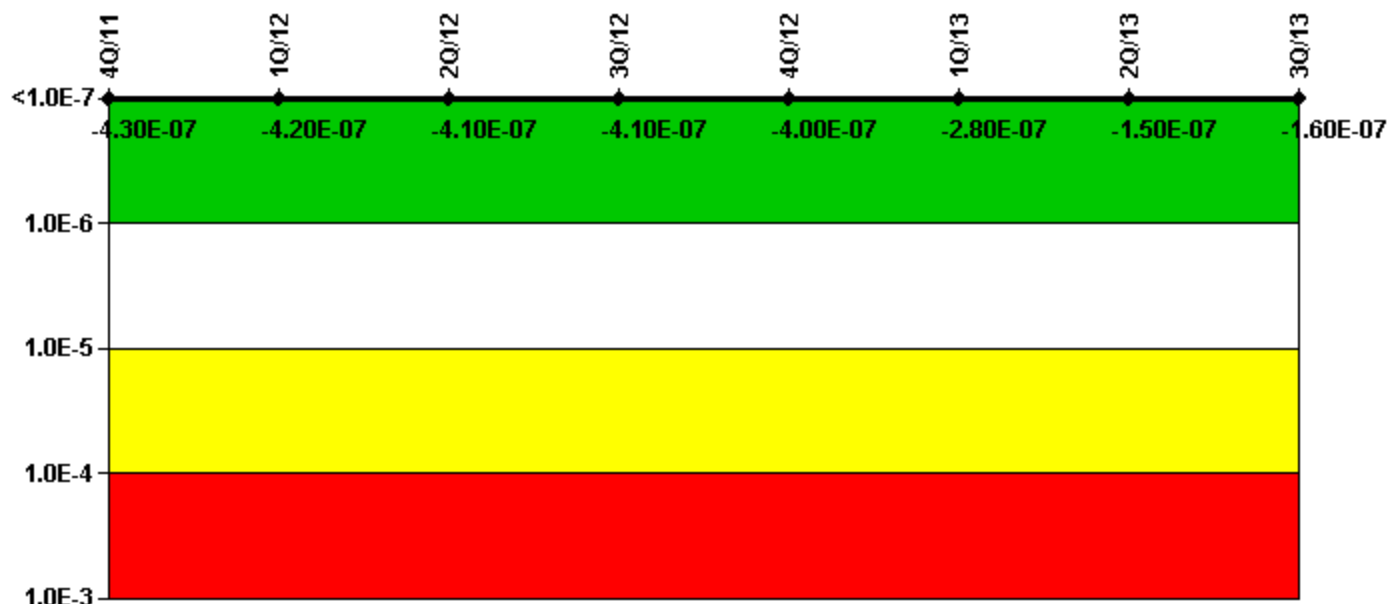
3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system. See LER 1-2012-008-00. (LER # added to comment field 6-13-13)

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system.

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

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

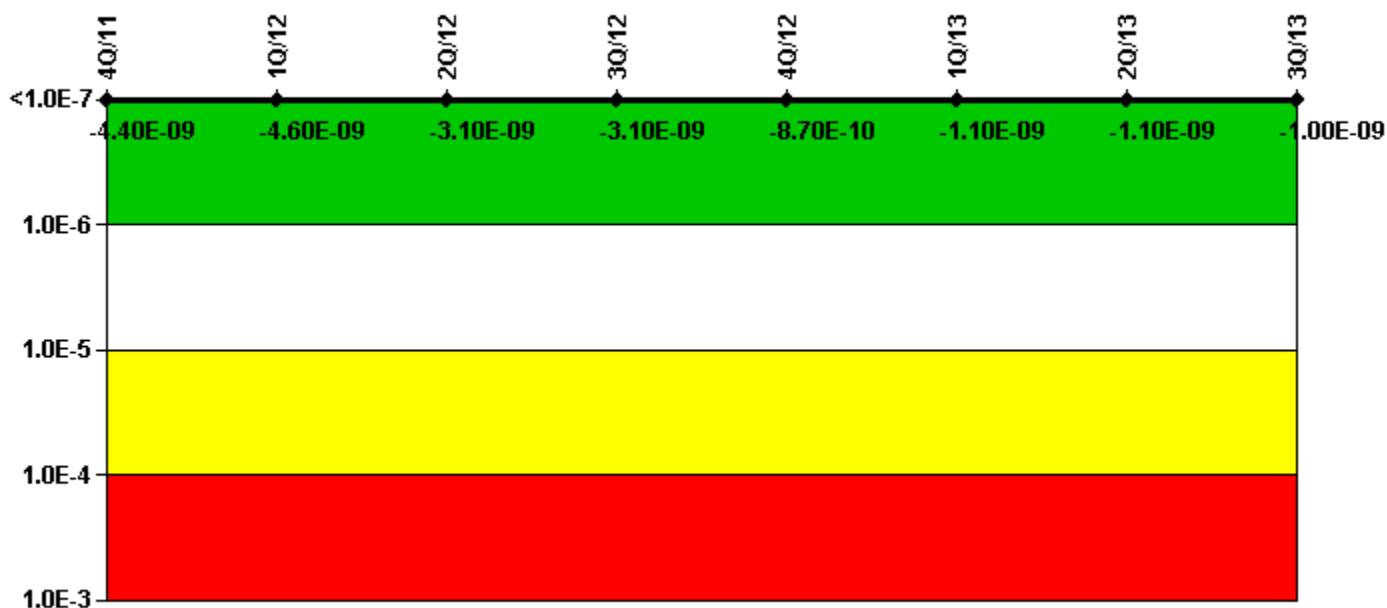
Mitigating Systems Performance Index, Emergency AC Power System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-7.77E-09	-1.01E-09	3.71E-09	5.26E-09	5.31E-09	-1.82E-10	9.22E-09	1.18E-09
URI (Δ CDF)	-4.23E-07	-4.20E-07	-4.16E-07	-4.12E-07	-4.07E-07	-2.84E-07	-1.58E-07	-1.56E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-07	-4.20E-07	-4.10E-07	-4.10E-07	-4.00E-07	-2.80E-07	-1.50E-07	-1.60E-07

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

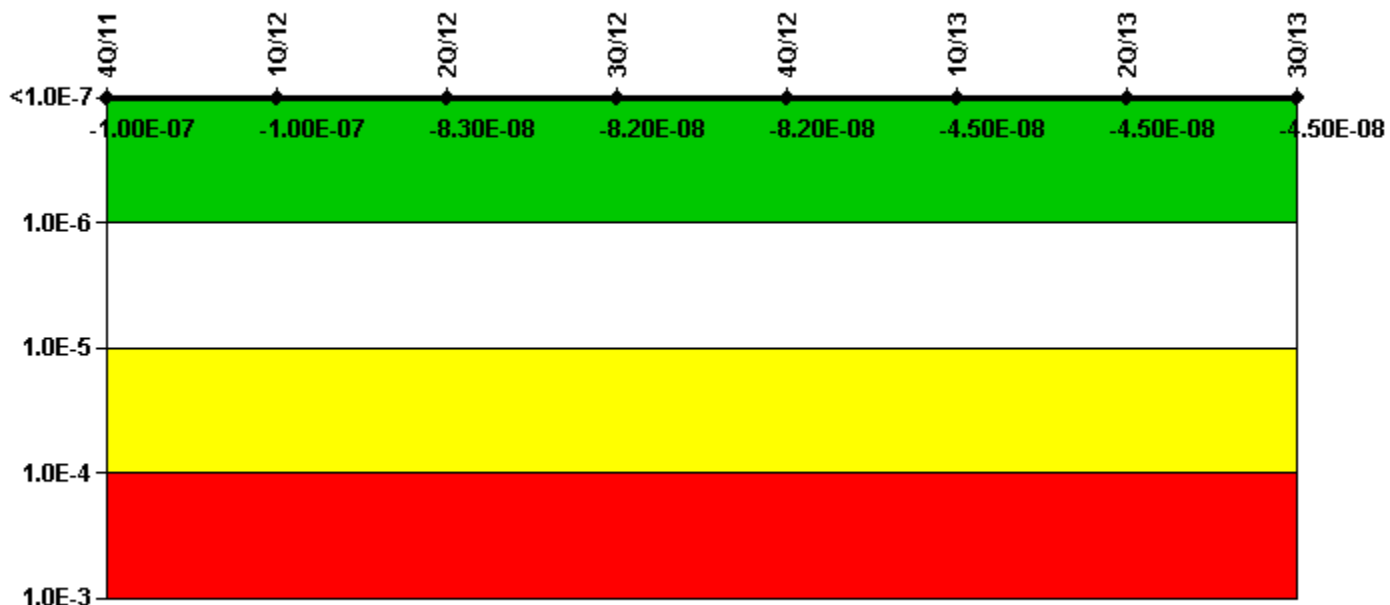
Mitigating Systems Performance Index, High Pressure Injection System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	-2.98E-09	-3.21E-09	-1.70E-09	-1.72E-09	5.15E-10	4.00E-11	4.45E-11	8.61E-11
URI (ΔCDF)	-1.40E-09	-1.39E-09	-1.39E-09	-1.39E-09	-1.39E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-09	-4.60E-09	-3.10E-09	-3.10E-09	-8.70E-10	-1.10E-09	-1.10E-09	-1.00E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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

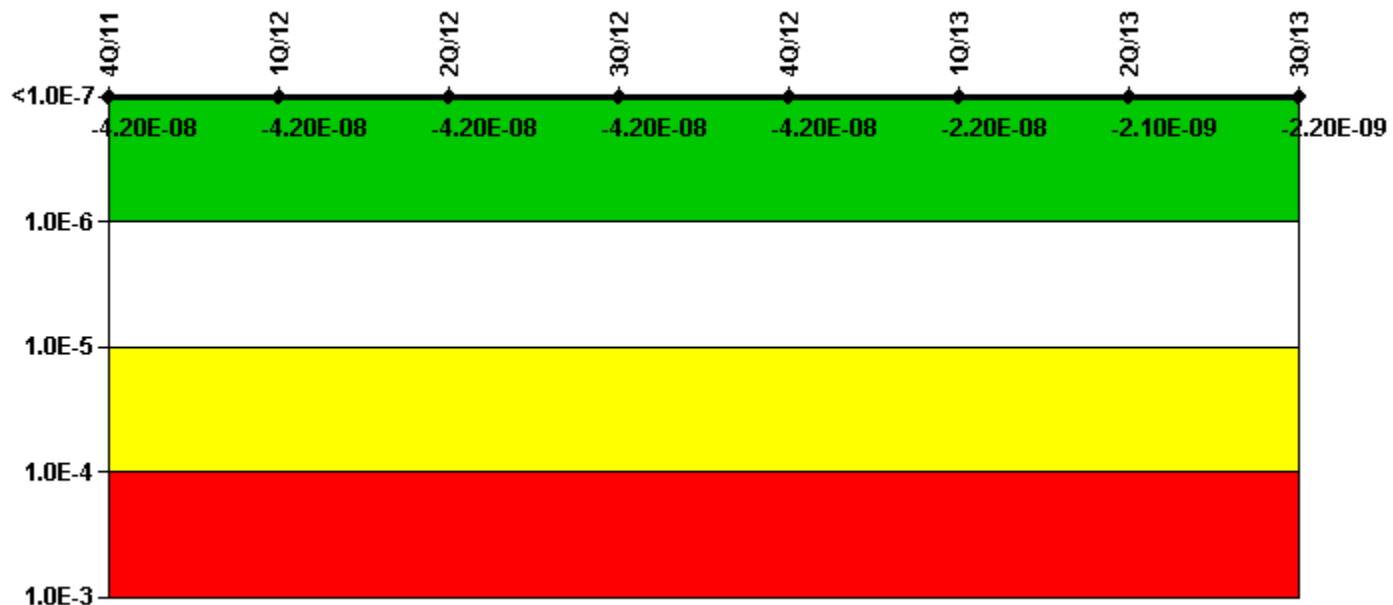
Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-1.70E-08	-1.92E-08	9.98E-10	2.13E-09	2.13E-09	4.73E-09	4.81E-09	4.83E-09
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-1.00E-07	-8.30E-08	-8.20E-08	-8.20E-08	-4.50E-08	-4.50E-08	-4.50E-08

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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

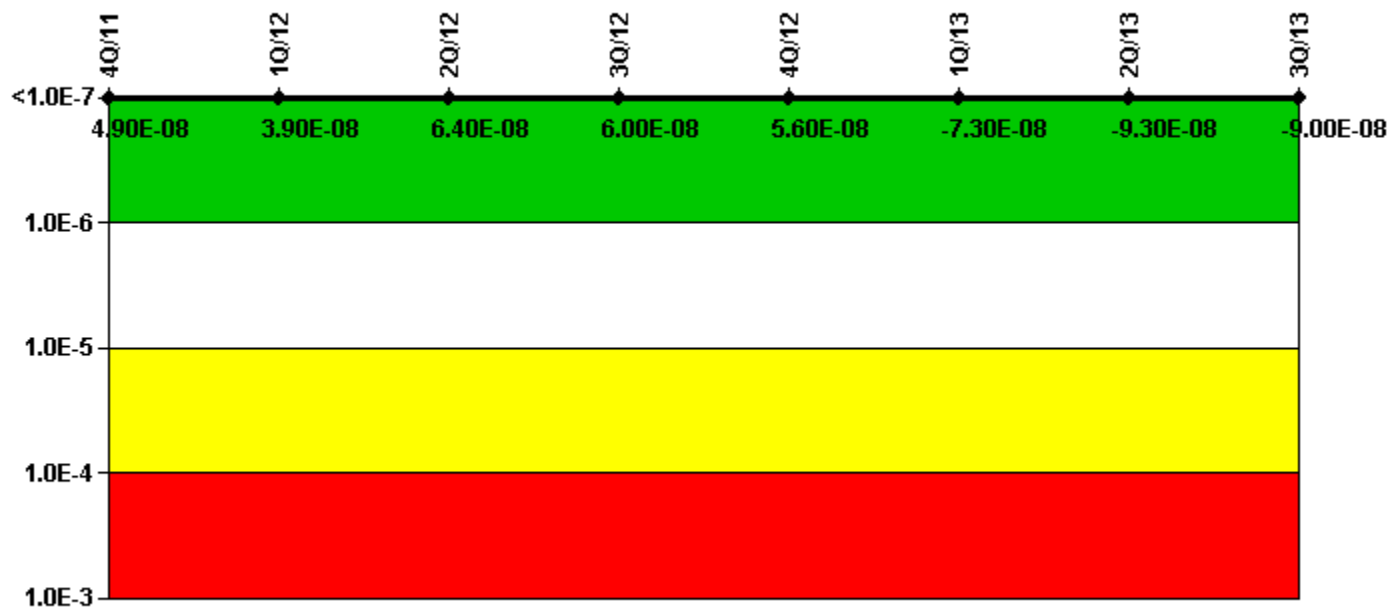
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.60E-09	1.44E-08	1.44E-08
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-1.64E-08	-1.65E-08	-1.66E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-2.20E-08	-2.10E-09	-2.20E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	7.62E-08	6.65E-08	9.12E-08	8.73E-08	8.27E-08	-2.08E-08	-4.07E-08	-3.79E-08
URI (Δ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.90E-08	3.90E-08	6.40E-08	6.00E-08	5.60E-08	-7.30E-08	-9.30E-08	-9.00E-08

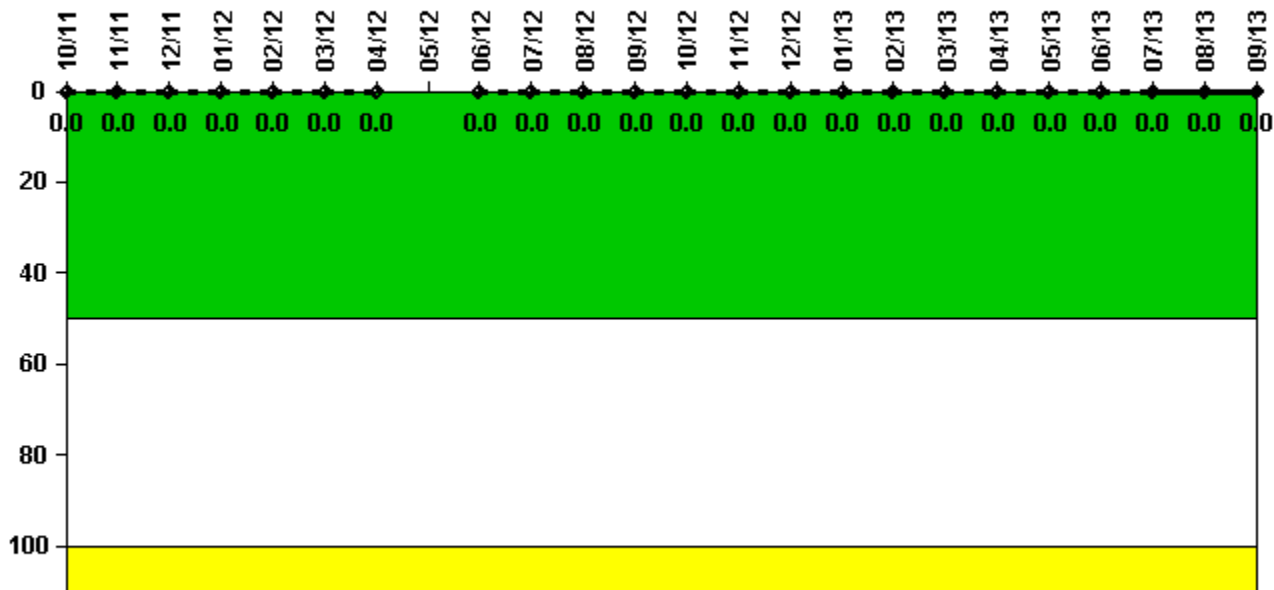
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low

Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

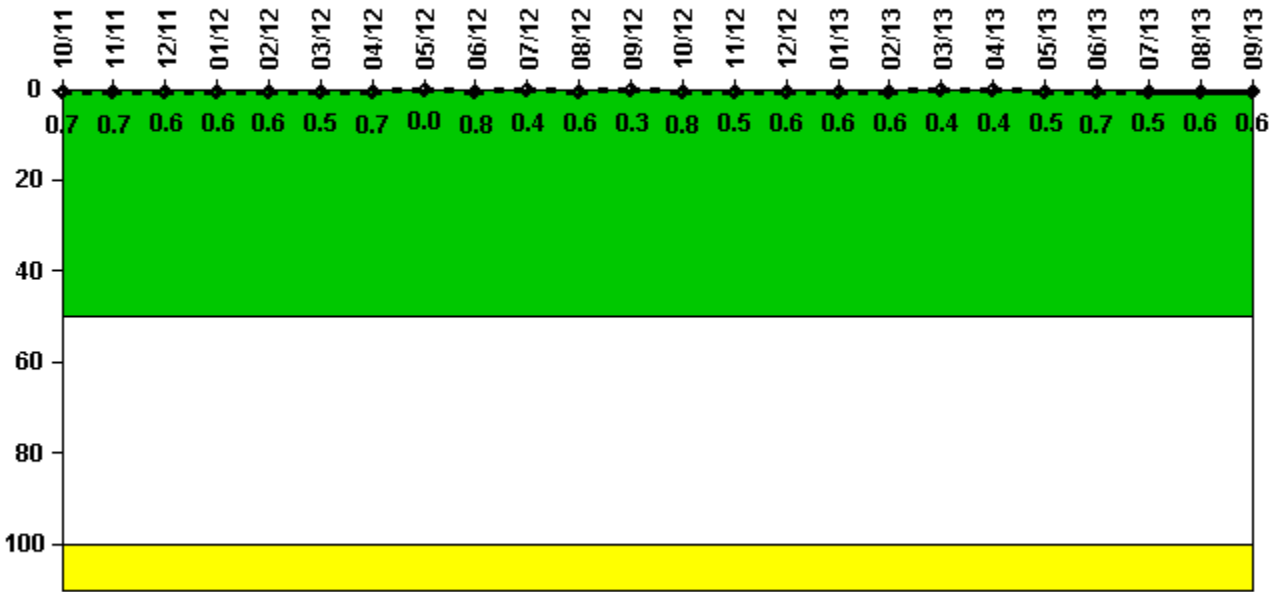
Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000115	0.000105	0.000115	0.000128	0.000120	0.000116	0.000090	N/A	0.000055	0.000057	0.000065	0.000057
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	N/A	0	0	0	0

Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000062	0.000059	0.000062	0.000065	0.000064	0.000068	0.000073	0.000070	0.000105	0.000117	0.000066	0.000075
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
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Licensee Comments: none

Reactor Coolant System Leakage



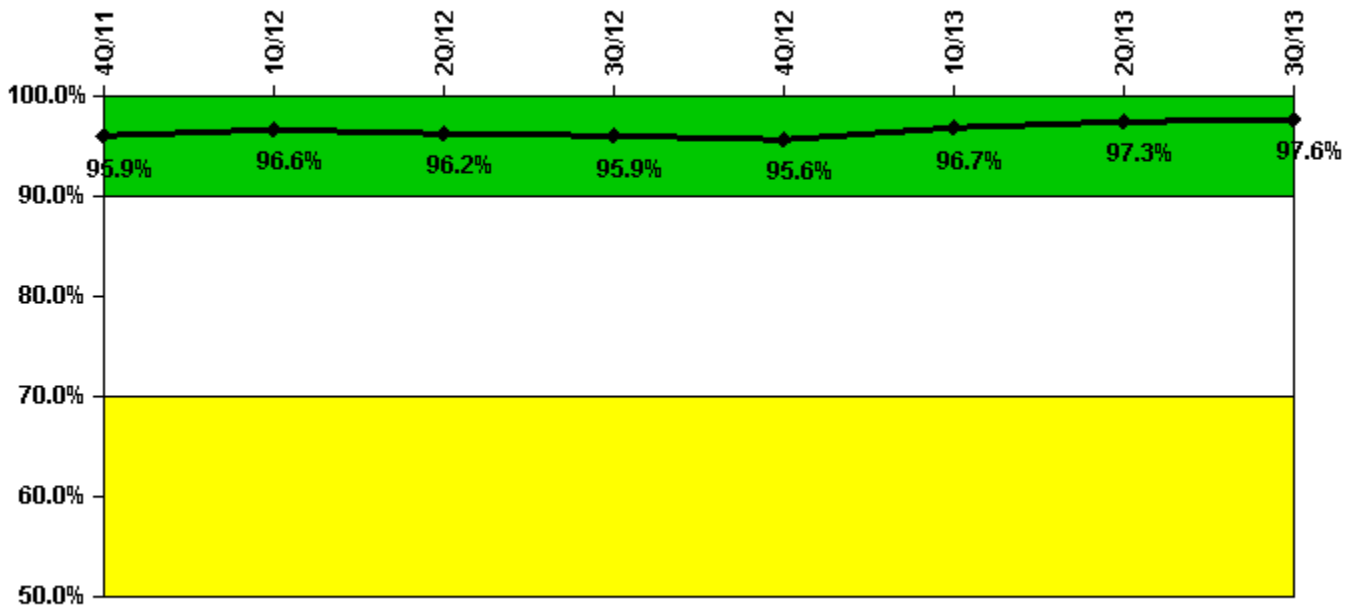
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.066	0.069	0.059	0.058	0.059	0.046	0.070	0	0.075	0.044	0.058	0.033
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	0.7	0.7	0.6	0.6	0.6	0.5	0.7	0	0.8	0.4	0.6	0.3
Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.075	0.049	0.055	0.061	0.056	0.041	0.040	0.050	0.070	0.049	0.055	0.061
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	0.5	0.6	0.6	0.6	0.4	0.4	0.5	0.7	0.5	0.6	0.6

Licensee Comments: none

Drill/Exercise Performance



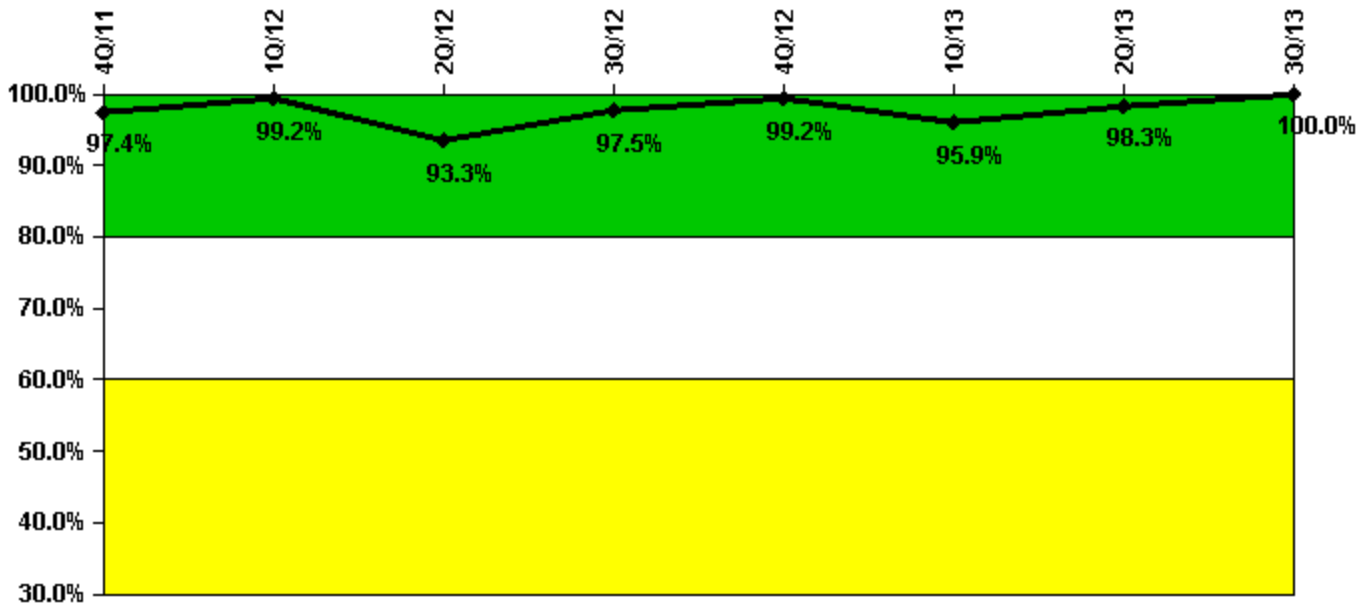
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	28.0	57.0	6.0	52.0	22.0	8.0	37.0	29.0
Total opportunities	28.0	58.0	6.0	54.0	25.0	8.0	37.0	29.0
Indicator value	95.9%	96.6%	96.2%	95.9%	95.6%	96.7%	97.3%	97.6%

Licensee Comments: none

ERO Drill Participation



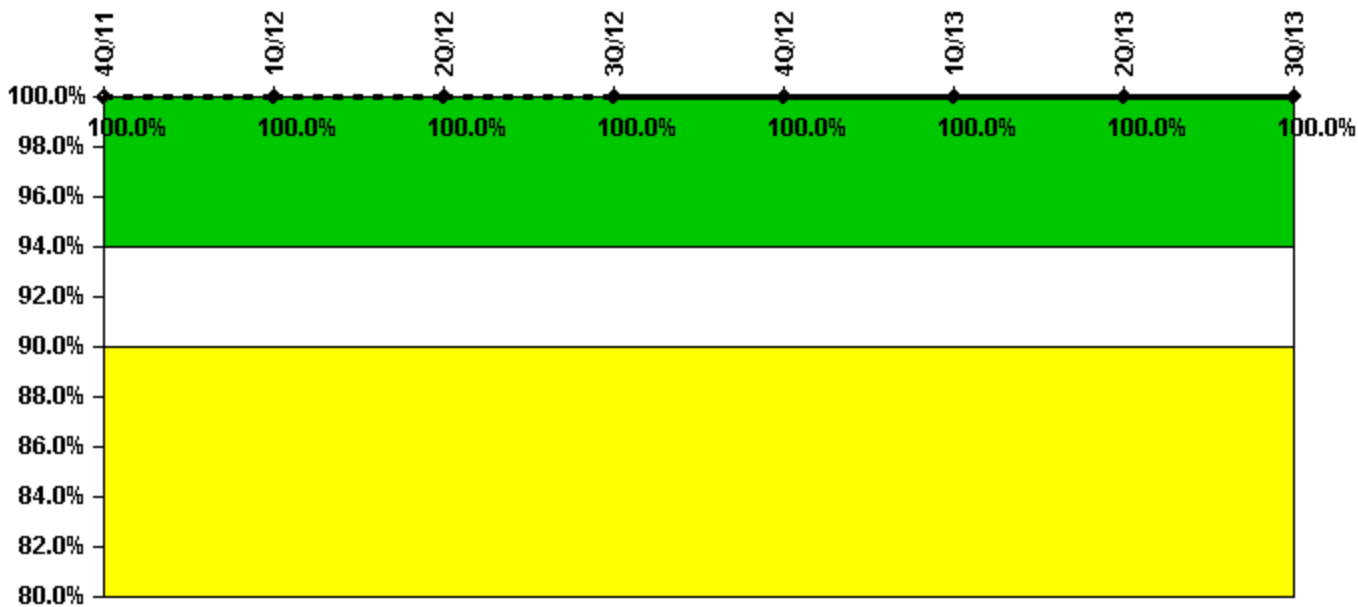
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	111.0	117.0	112.0	116.0	119.0	117.0	119.0	117.0
Total Key personnel	114.0	118.0	120.0	119.0	120.0	122.0	121.0	117.0
Indicator value	97.4%	99.2%	93.3%	97.5%	99.2%	95.9%	98.3%	100.0%

Licensee Comments: none

Alert & Notification System



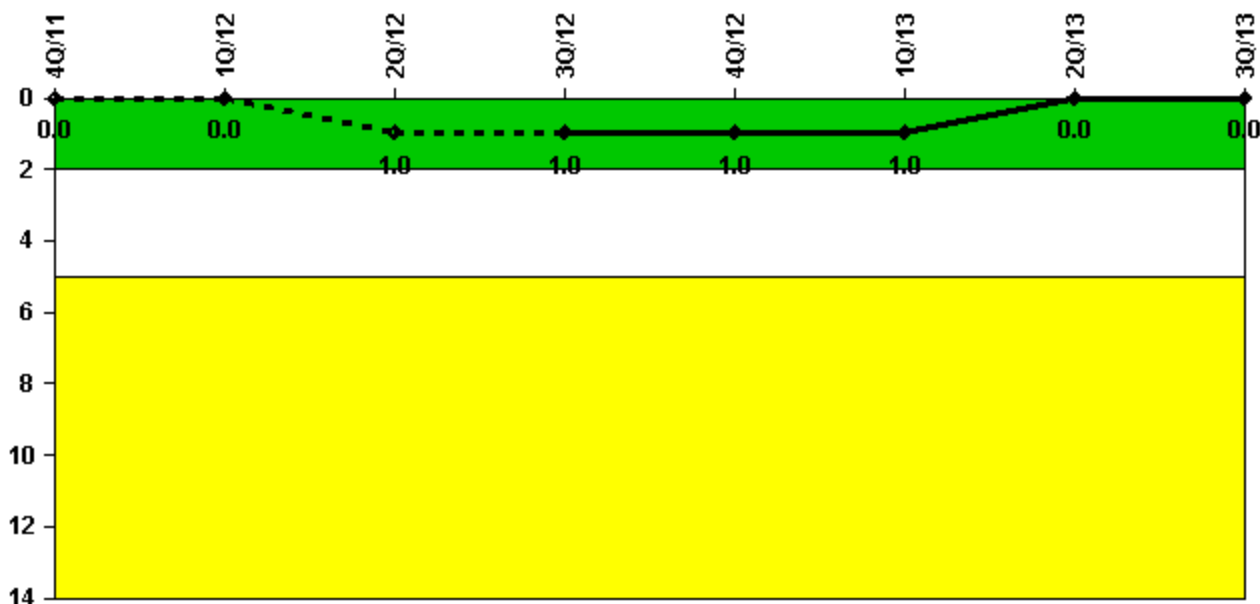
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	917	1048	916	1310	917	1046	917	1310
Total sirens-tests	917	1048	917	1310	917	1047	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/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
High radiation area occurrences	0	0	1	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	1	1	1	1	0	0

Licensee Comments:

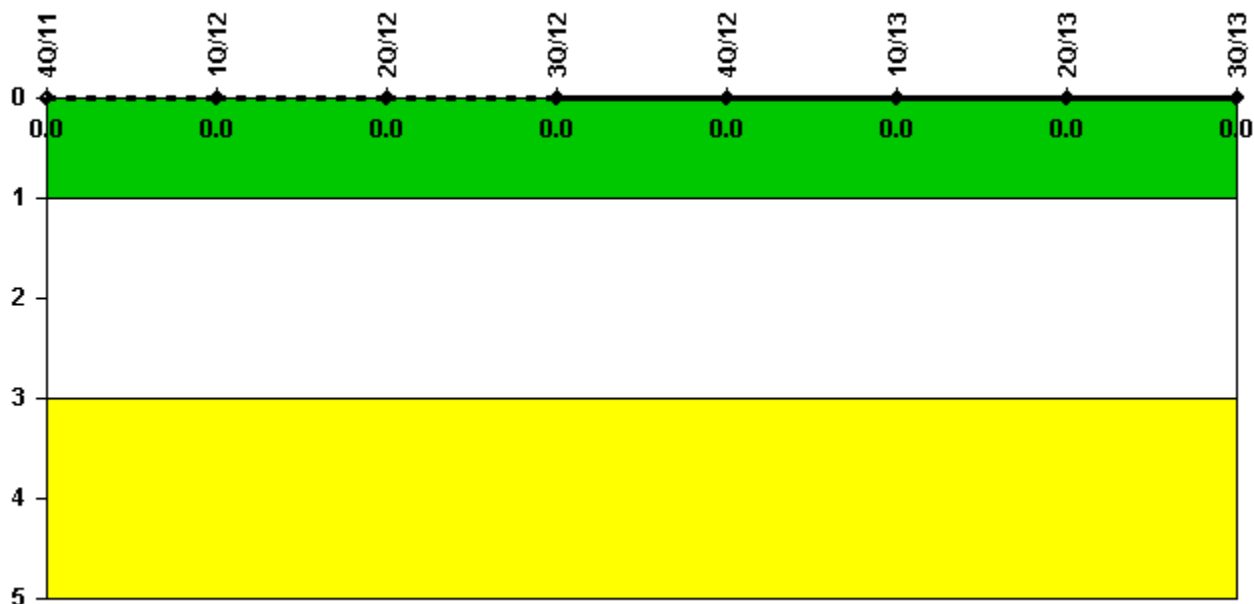
1Q/13: 50538483 identified a potential access path through a pipe chase between the Letdown Orifice Room and the Regenerative Heat Exchanger room. This was later determined to not be a violation of DCPD Technical Specification 5.7.2. Retracted

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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 22, 2013

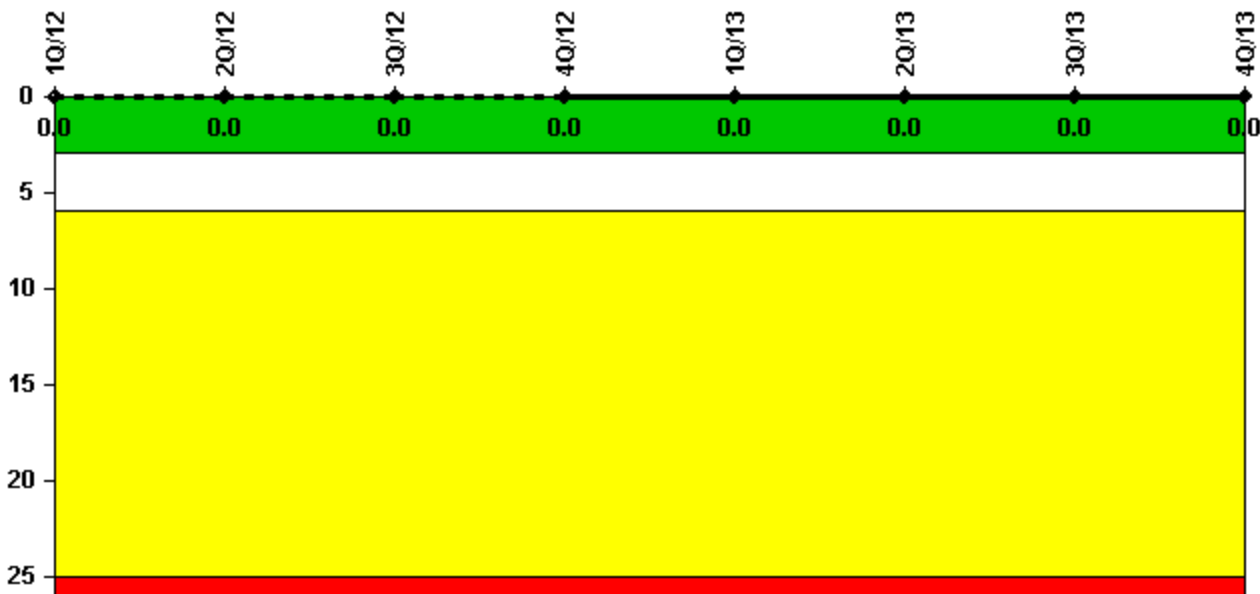
Diablo Canyon 1

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

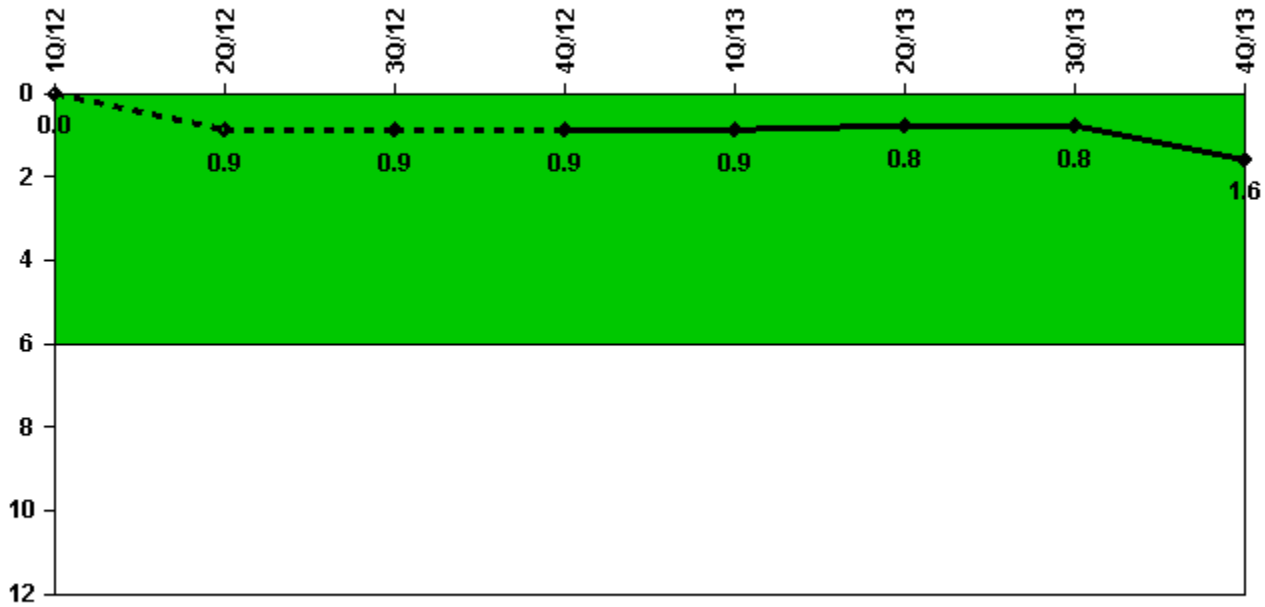
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	893.4	2208.0	2209.0	2159.0	2067.9	2183.5	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	1.0	0	0	0	1.0	0	1.0
Critical hours	2183.0	893.4	2208.0	2209.0	2159.0	2067.9	2183.5	2209.0
Indicator value	0	0.9	0.9	0.9	0.9	0.8	0.8	1.6

Licensee Comments:

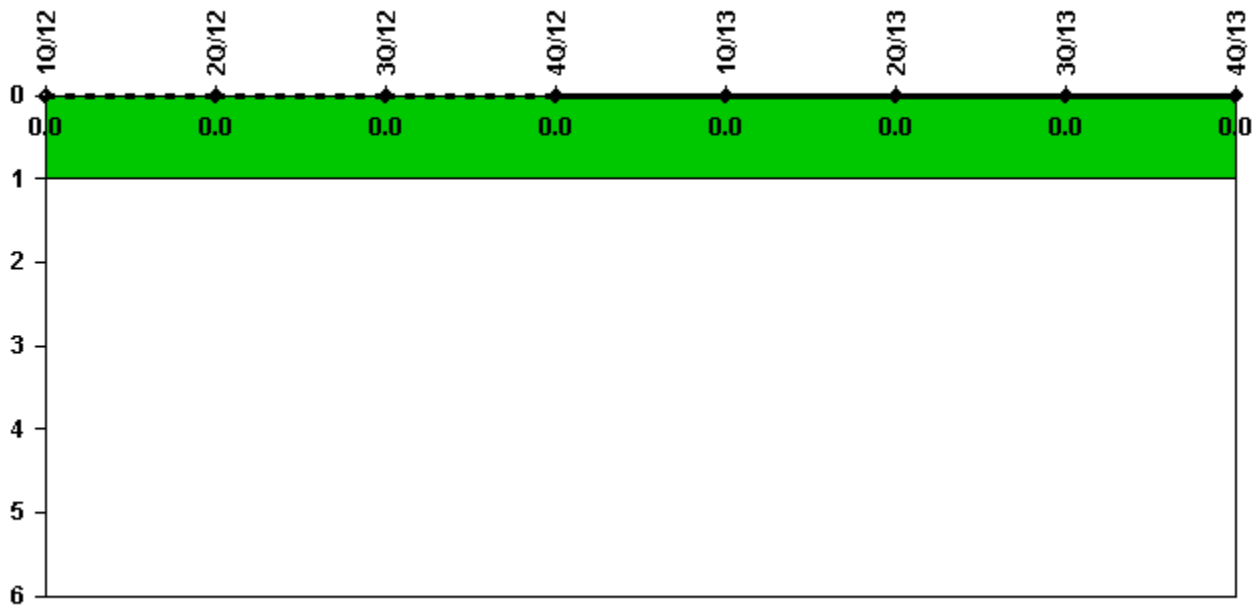
4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

2Q/13: DCP Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

2Q/12: On June 19, 2012, during power ascension following refueling outage 17, operators noted high vibration in a main feedwater pump, and reduced power to facilitate corrective maintenance (unplanned power change). Reference SAPN 50492737.

Unplanned Scrams with Complications



Thresholds: White > 1.0

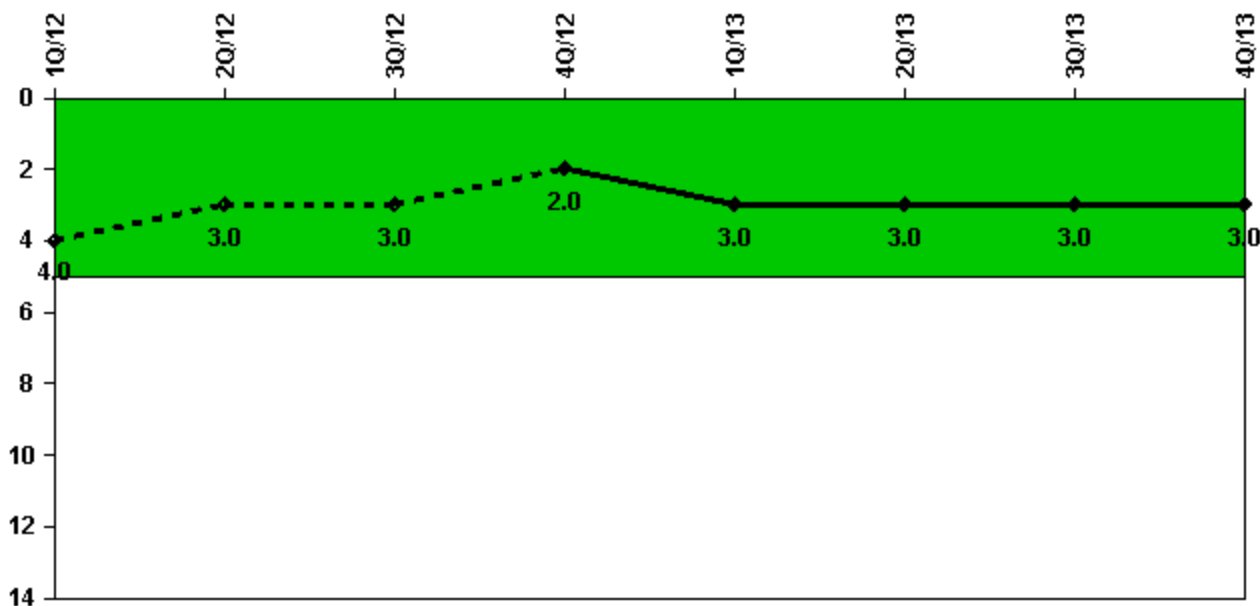
Notes

Unplanned Scrams with Complications	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
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:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	0	2	0	1	0	2	0
Indicator value	4	3	3	2	3	3	3	3

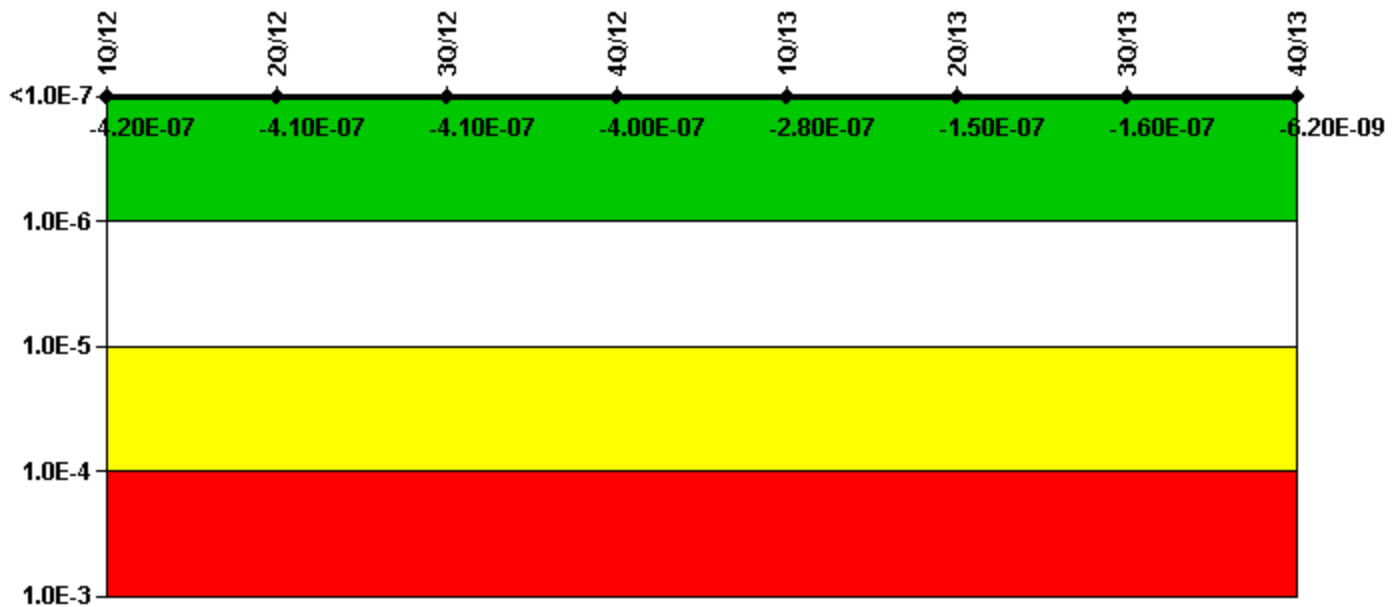
Licensee Comments:

3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system. See LER 1-2012-008-00. (LER # added to comment field 6-13-13)

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

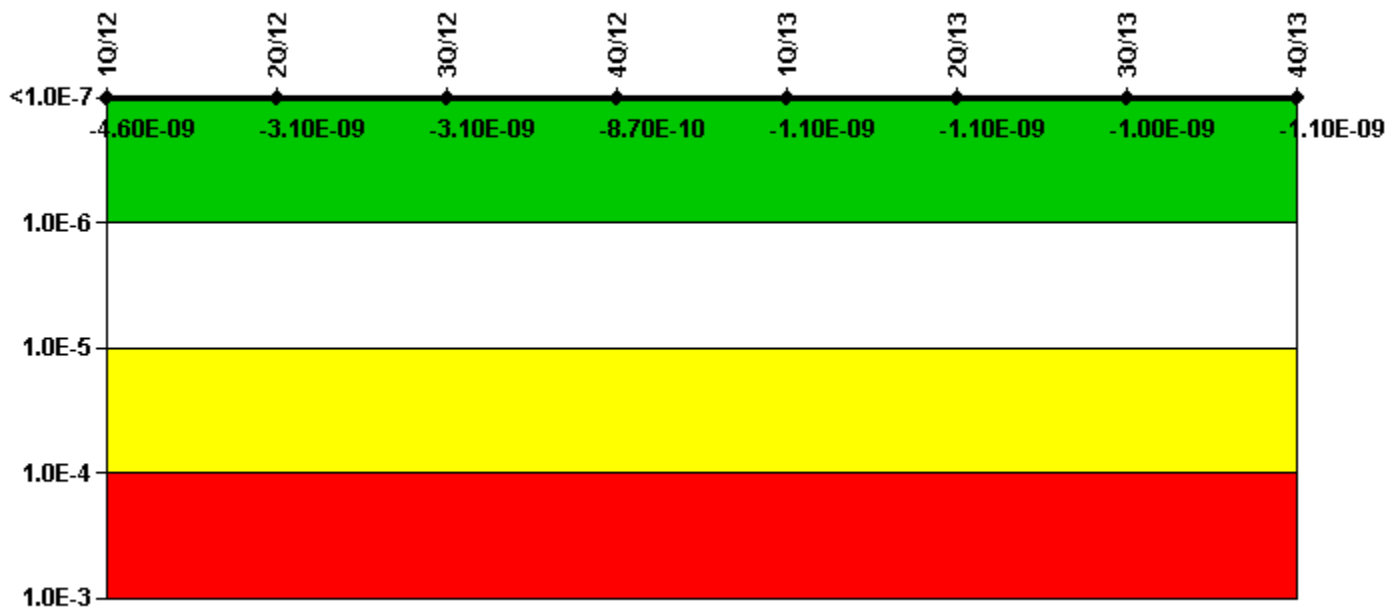
Mitigating Systems Performance Index, Emergency AC Power System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-1.01E-09	3.71E-09	5.26E-09	5.31E-09	-1.82E-10	9.22E-09	1.18E-09	2.38E-08
URI (Δ CDF)	-4.20E-07	-4.16E-07	-4.12E-07	-4.07E-07	-2.84E-07	-1.58E-07	-1.56E-07	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.10E-07	-4.10E-07	-4.00E-07	-2.80E-07	-1.50E-07	-1.60E-07	-6.20E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

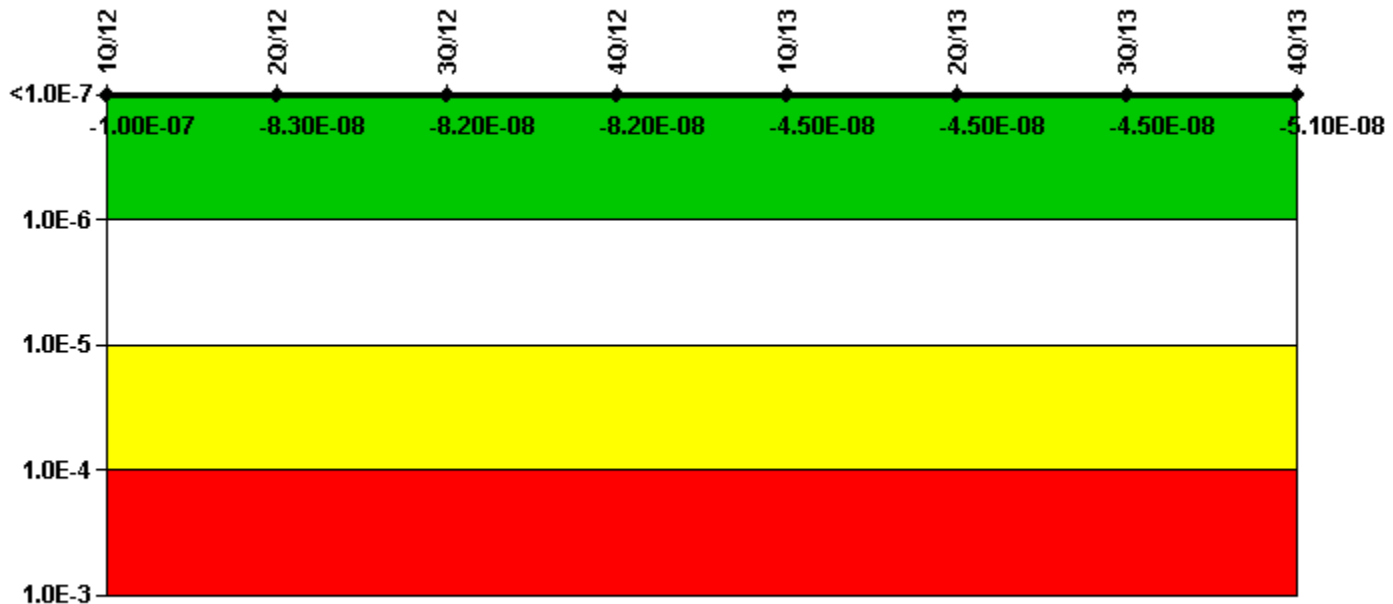
Mitigating Systems Performance Index, High Pressure Injection System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-3.21E-09	-1.70E-09	-1.72E-09	5.15E-10	4.00E-11	4.45E-11	8.61E-11	5.77E-11
URI (Δ CDF)	-1.39E-09	-1.39E-09	-1.39E-09	-1.39E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-09	-3.10E-09	-3.10E-09	-8.70E-10	-1.10E-09	-1.10E-09	-1.00E-09	-1.10E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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

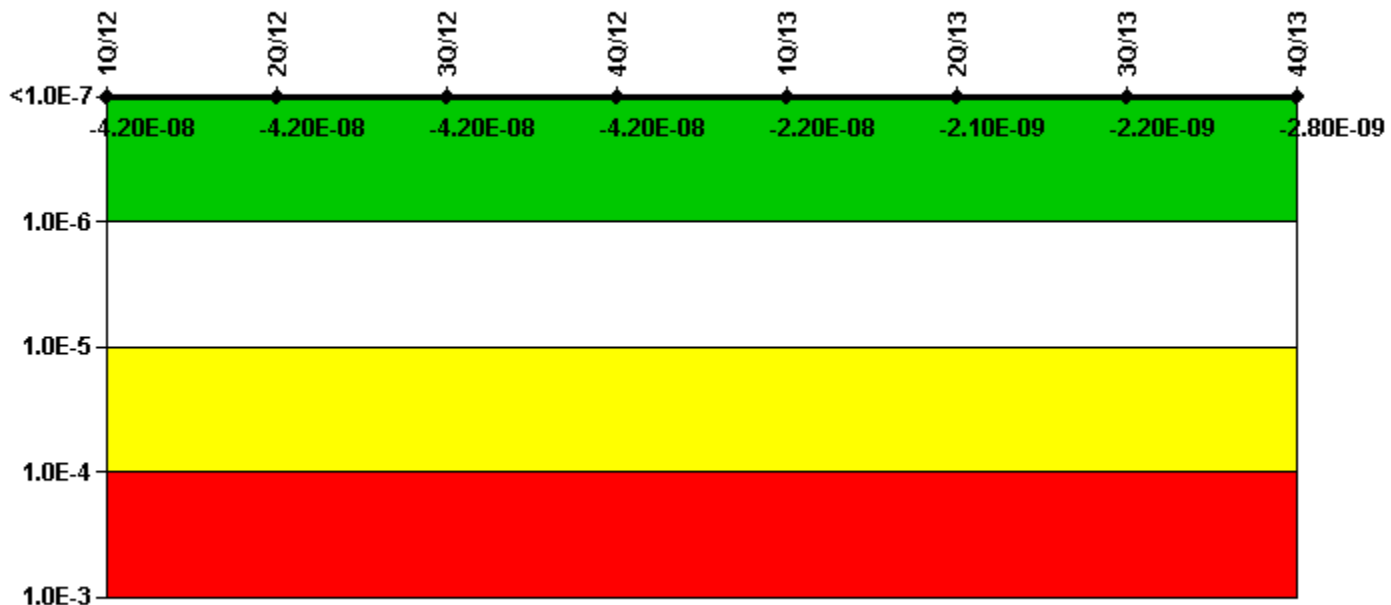
Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-1.92E-08	9.98E-10	2.13E-09	2.13E-09	4.73E-09	4.81E-09	4.83E-09	-7.78E-10
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-8.37E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-8.30E-08	-8.20E-08	-8.20E-08	-4.50E-08	-4.50E-08	-4.50E-08	-5.10E-08

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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

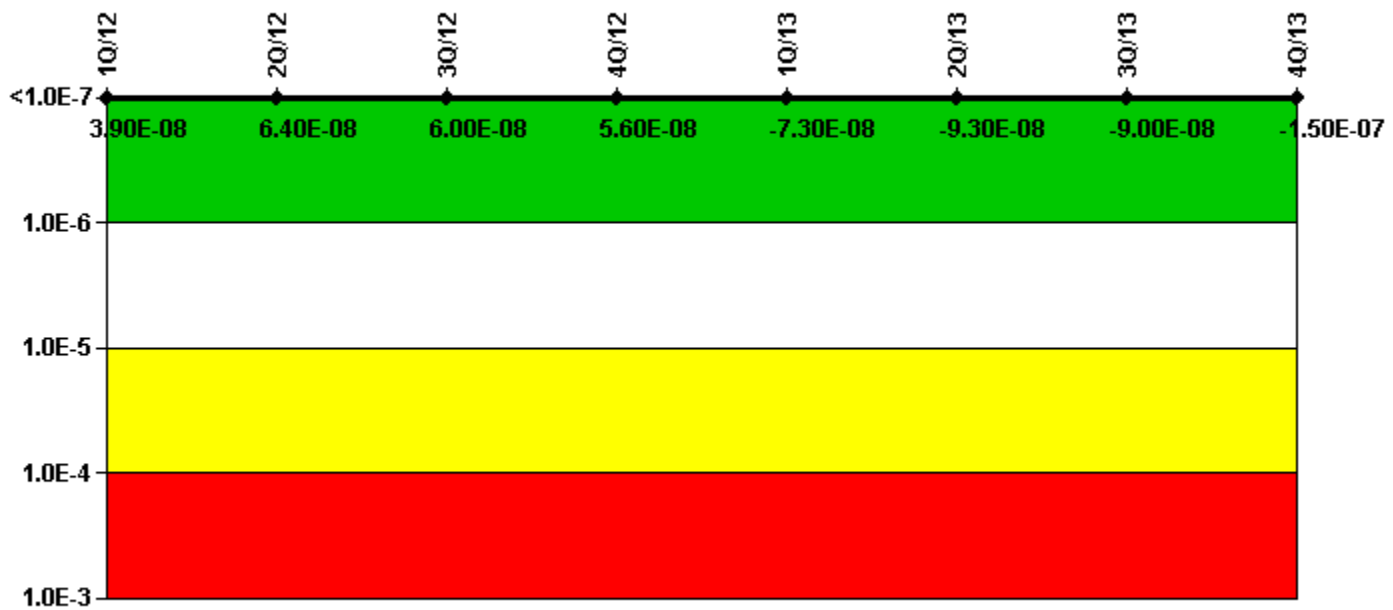
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.94E-09	-5.60E-09	1.44E-08	1.44E-08	1.38E-08
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-1.64E-08	-1.65E-08	-1.66E-08	-1.66E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-4.20E-08	-2.20E-08	-2.10E-09	-2.20E-09	-2.80E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	6.65E-08	9.12E-08	8.73E-08	8.27E-08	-2.08E-08	-4.07E-08	-3.79E-08	-1.01E-07
URI (Δ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-08	6.40E-08	6.00E-08	5.60E-08	7.30E-08	9.30E-08	9.00E-08	1.50E-07

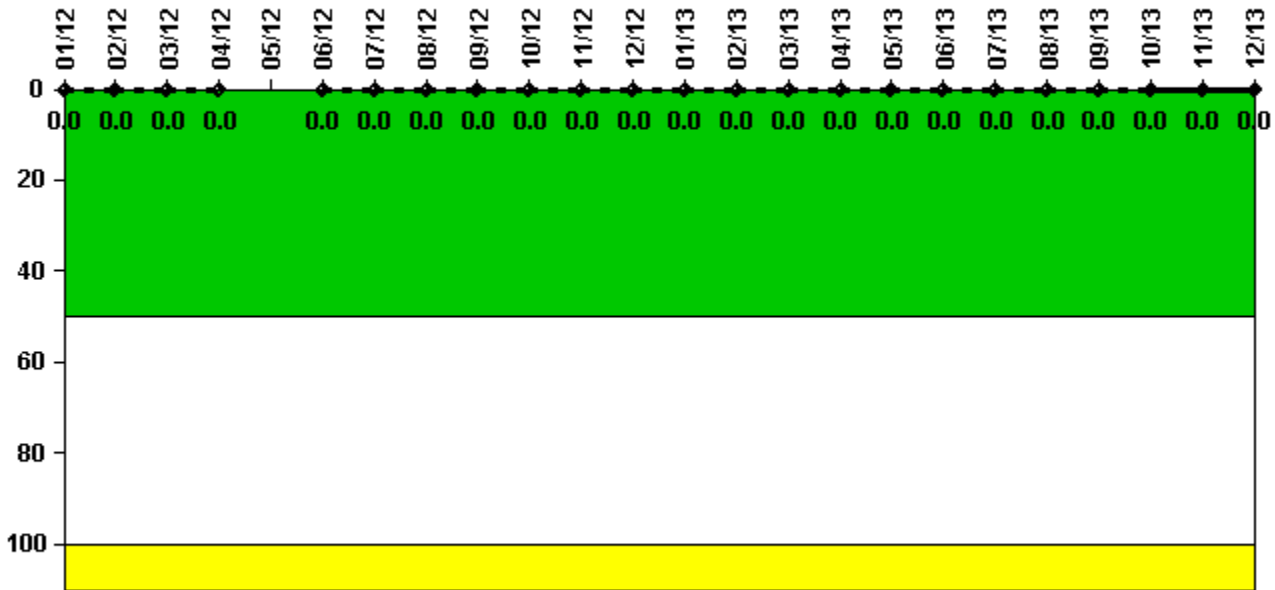
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low

Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

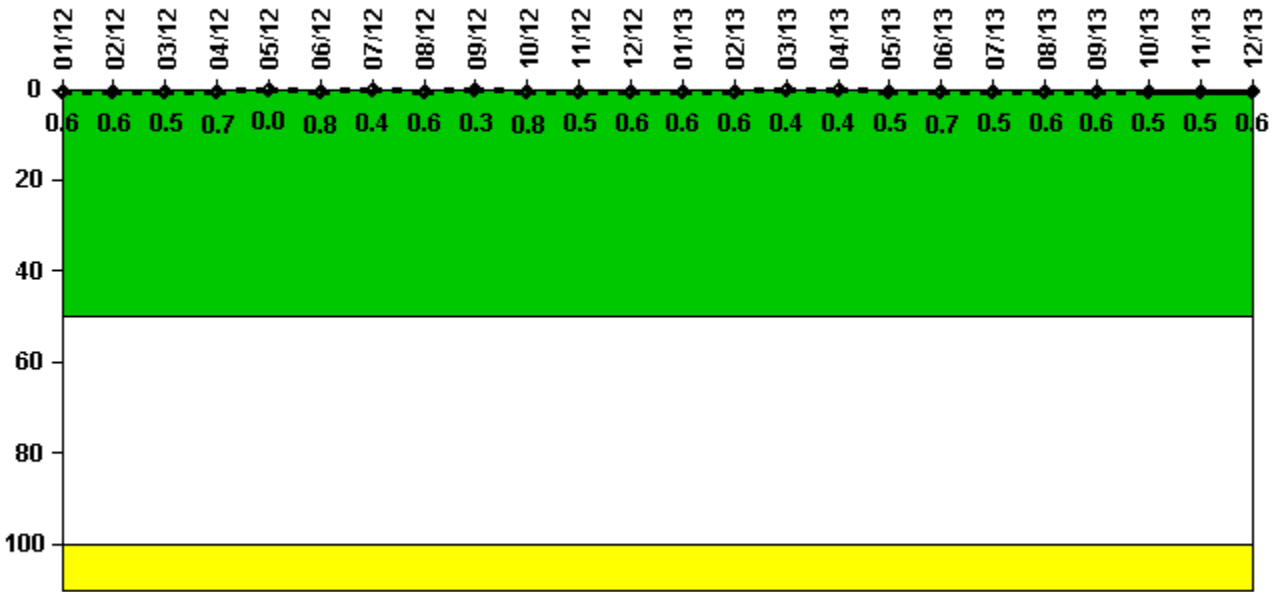
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000128	0.000120	0.000116	0.000090	N/A	0.000055	0.000057	0.000065	0.000057	0.000062	0.000059	0.000062
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	N/A	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000065	0.000064	0.000068	0.000073	0.000070	0.000105	0.000117	0.000066	0.000075	0.000075	0.000080	0.000081
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
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Licensee Comments: none

Reactor Coolant System Leakage



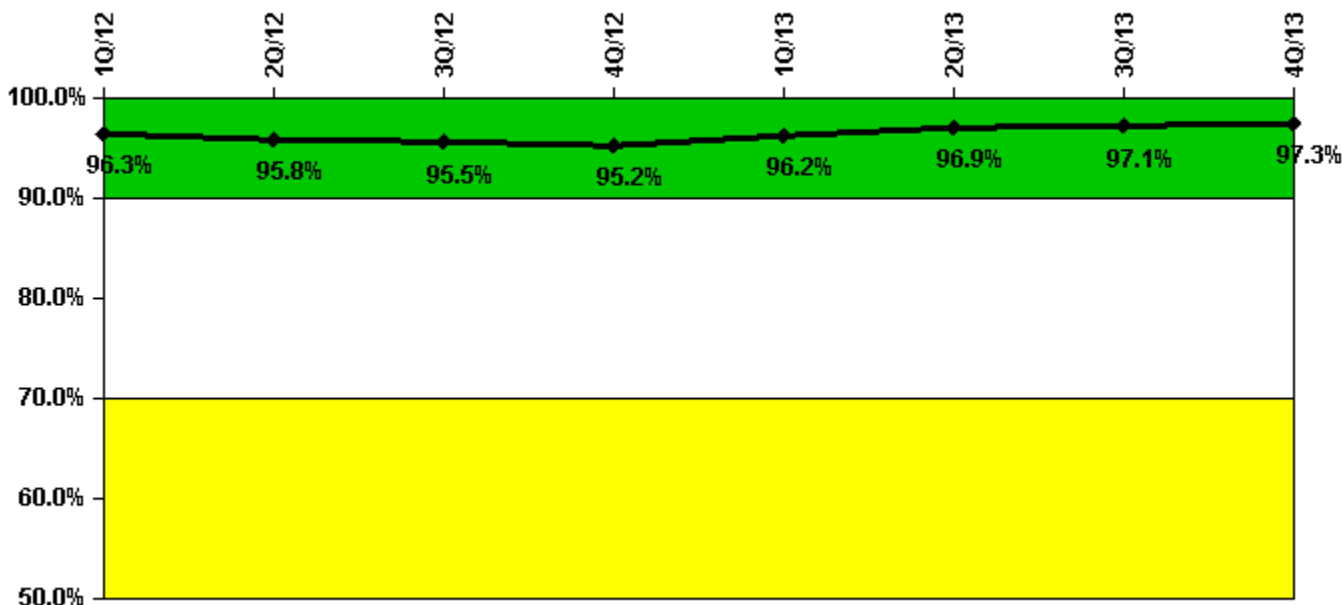
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.058	0.059	0.046	0.070	0	0.075	0.044	0.058	0.033	0.075	0.049	0.055
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	0.6	0.6	0.5	0.7	0	0.8	0.4	0.6	0.3	0.8	0.5	0.6
Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.061	0.056	0.041	0.040	0.050	0.070	0.049	0.055	0.061	0.052	0.050	0.061
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	0.6	0.6	0.4	0.4	0.5	0.7	0.5	0.6	0.6	0.5	0.5	0.6

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

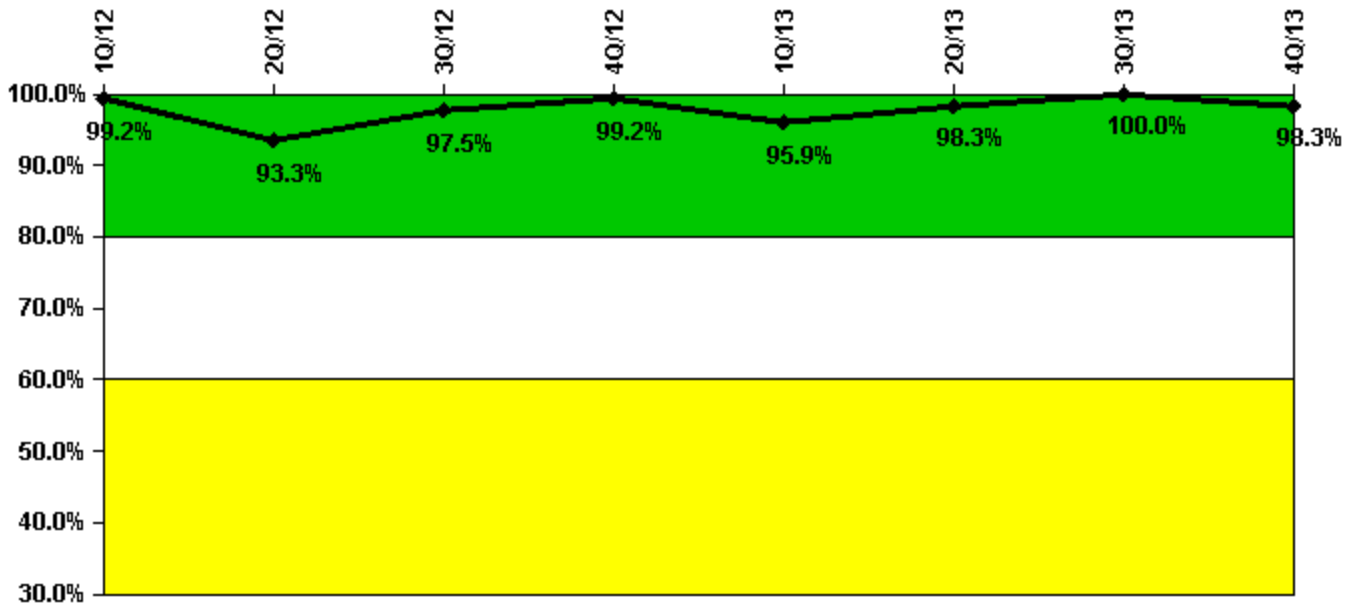
Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	56.0	6.0	52.0	22.0	8.0	37.0	29.0	42.0
Total opportunities	58.0	6.0	54.0	25.0	8.0	37.0	29.0	42.0
Indicator value	96.3%	95.8%	95.5%	95.2%	96.2%	96.9%	97.1%	97.3%

Licensee Comments:

1Q/12: The January 2012 Successful drill, exercise, and event opportunities was changed from 39 to 38 due to a change in a January 2012 simulator session. The simulator session score was changed from 2 for 2 to a score of 1 for 2. This change does not impact the color of the performance indicator. This change reflects FAQ (13-07) that was made ???Final??? on 1/15/2014.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

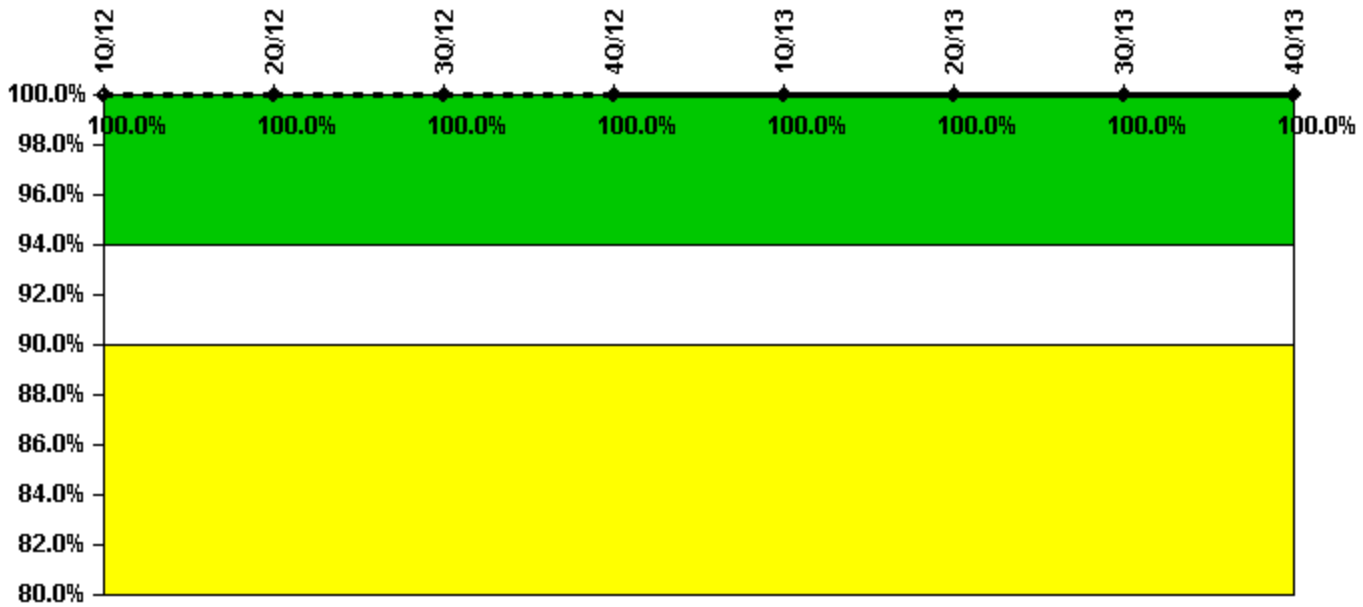
Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	117.0	112.0	116.0	119.0	117.0	119.0	115.0	118.0
Total Key personnel	118.0	120.0	119.0	120.0	122.0	121.0	115.0	120.0
Indicator value	99.2%	93.3%	97.5%	99.2%	95.9%	98.3%	100.0%	98.3%

Licensee Comments:

3Q/13: Total Key ERO personnel adjusted due to mis-calculation.

Alert & Notification System



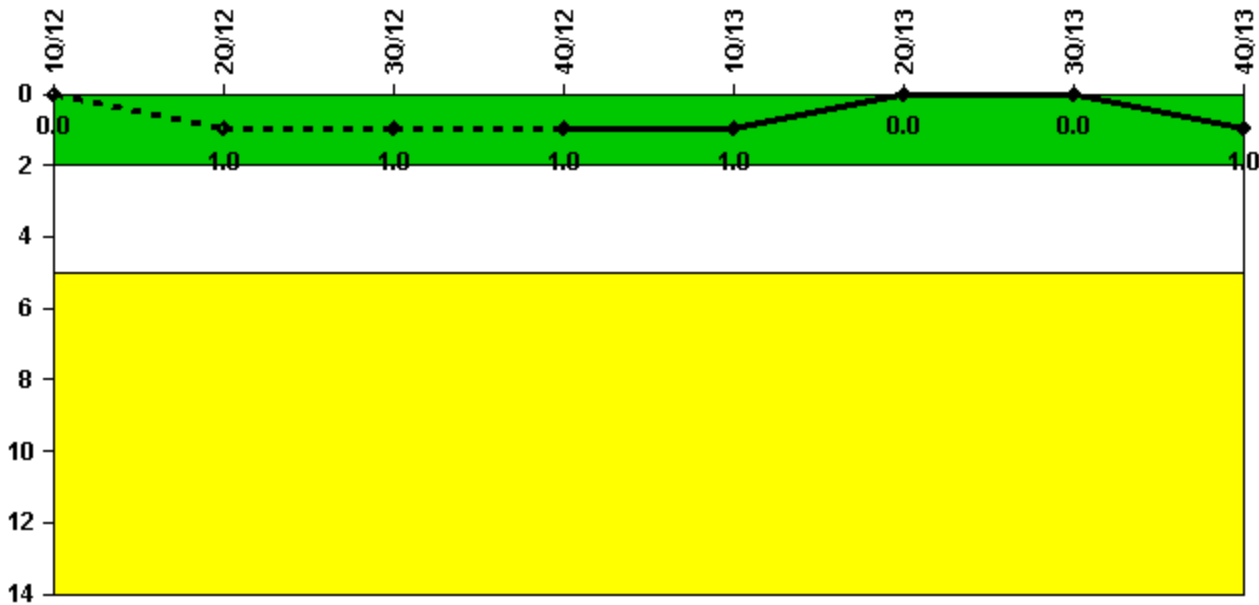
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	1048	916	1310	917	1046	917	1310	1048
Total sirens-tests	1048	917	1310	917	1047	917	1310	1048
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	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
High radiation area occurrences	0	1	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	1	1	1	1	0	0	1

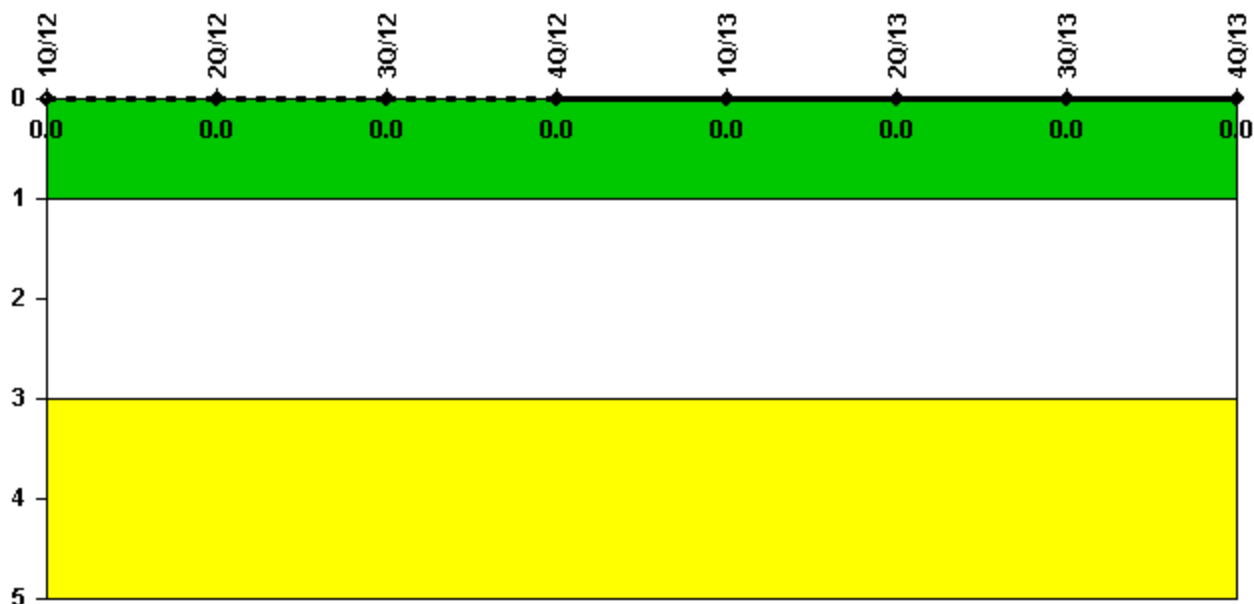
Licensee Comments:

1Q/13: 50538483 identified a potential access path through a pipe chase between the Letdown Orifice Room and the Regenerative Heat Exchanger room. This was later determined to not be a violation of DCPD Technical Specification 5.7.2. Retracted

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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.

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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: January 22, 2014

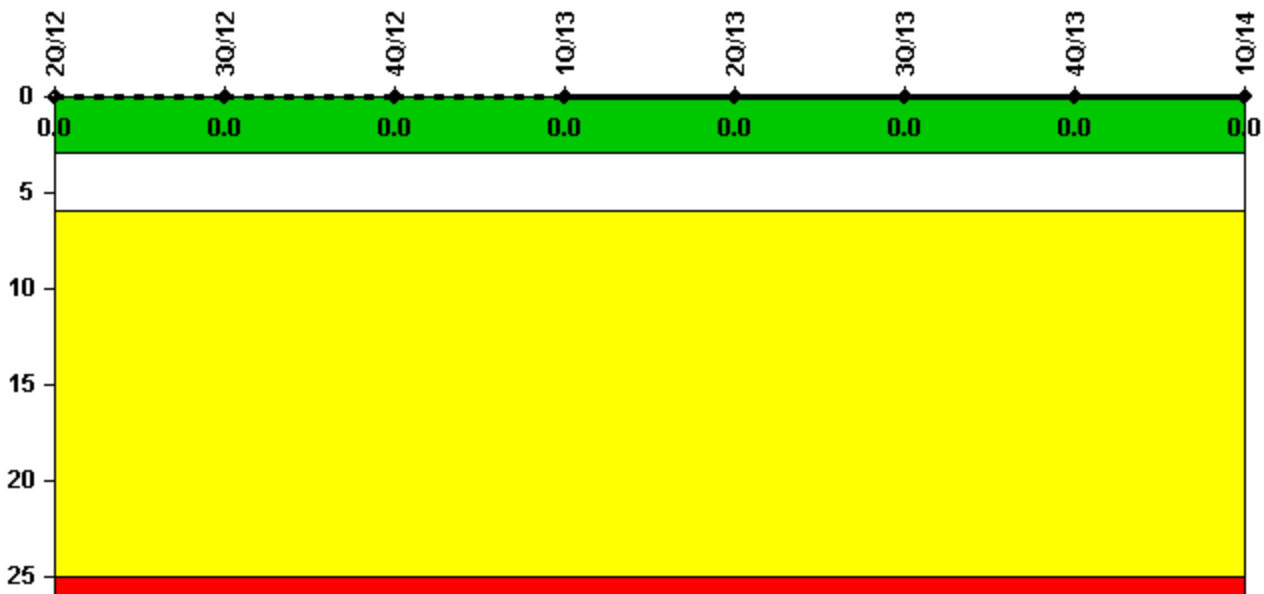
Diablo Canyon 1

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

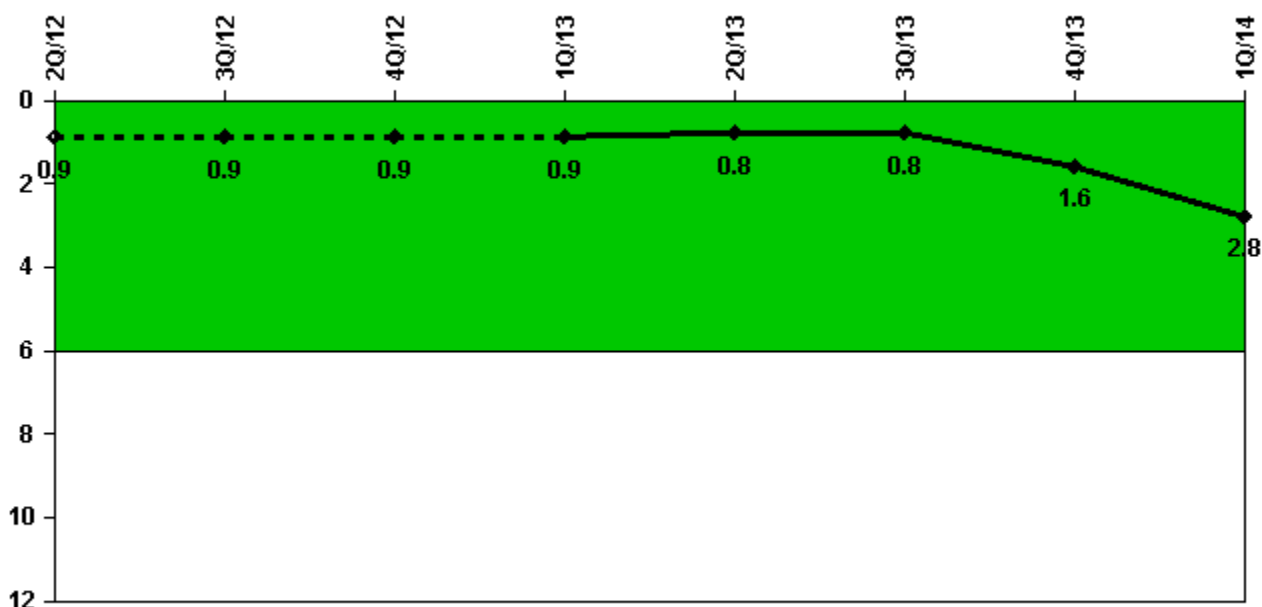
Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	893.4	2208.0	2209.0	2159.0	2067.9	2183.5	2209.0	1166.1
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	1.0	0	0	0	1.0	0	1.0	1.0
Critical hours	893.4	2208.0	2209.0	2159.0	2067.9	2183.5	2209.0	1166.1
Indicator value	0.9	0.9	0.9	0.9	0.8	0.8	1.6	2.8

Licensee Comments:

1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

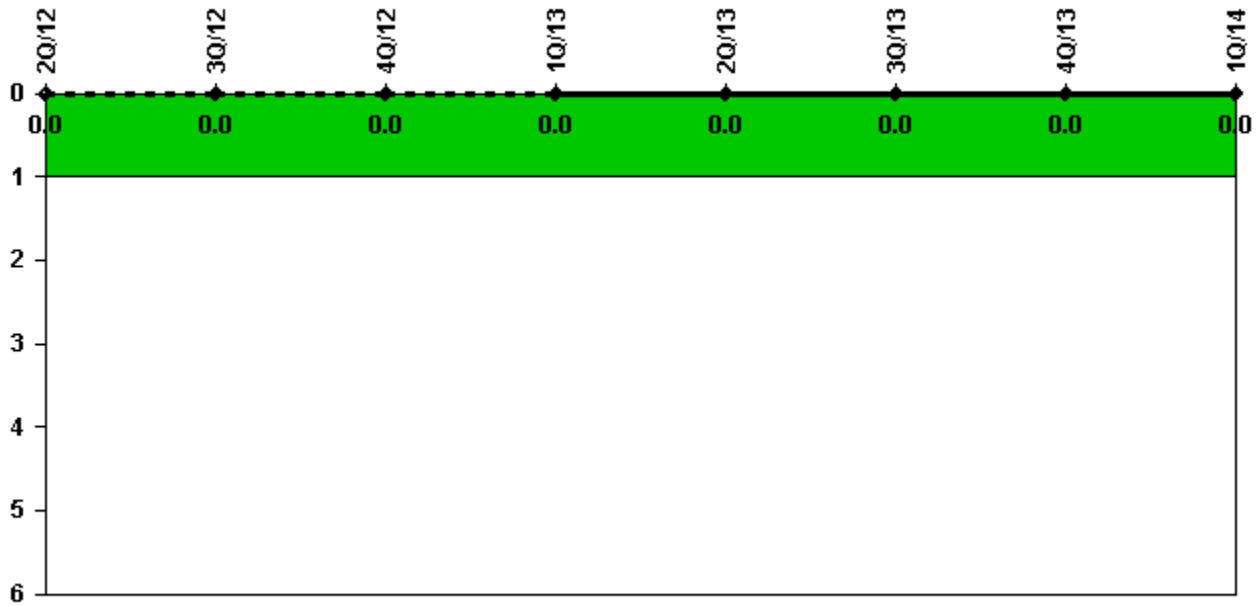
2Q/13: DCP Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

2Q/12: On June 19, 2012, during power ascension following refueling outage 17, operators noted high vibration

in a main feedwater pump, and reduced power to facilitate corrective maintenance (unplanned power change). Reference SAPN 50492737.

Unplanned Scrams with Complications



Thresholds: White > 1.0

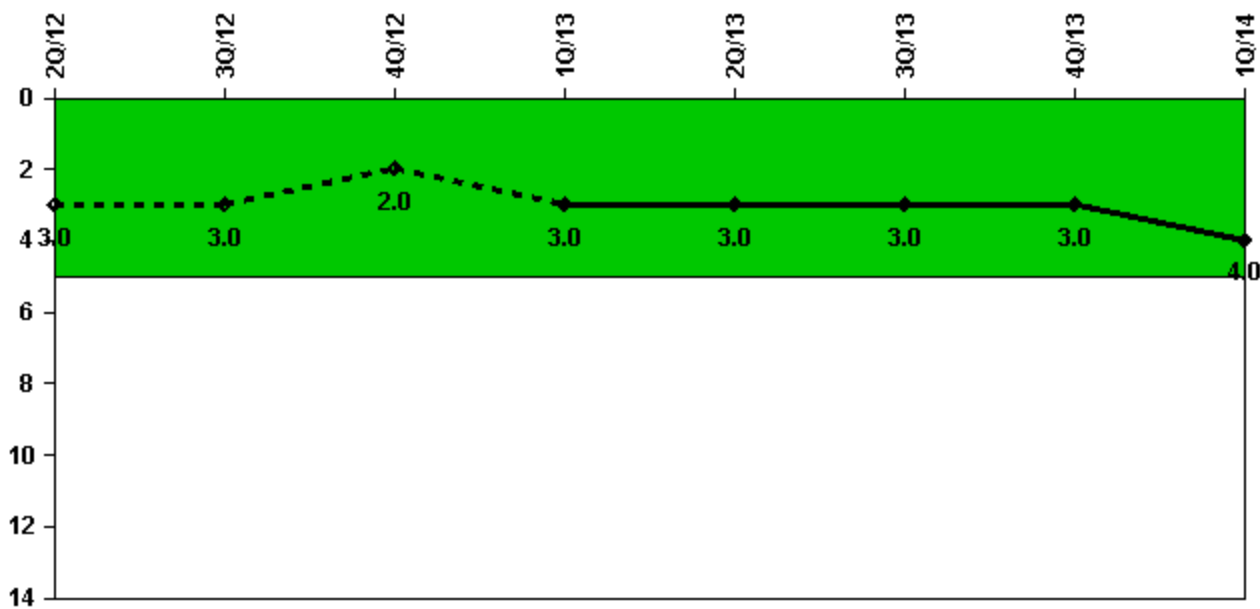
Notes

Unplanned Scrams with Complications	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
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:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	0	2	0	1	0	2	0	2
Indicator value	3	3	2	3	3	3	3	4

Licensee Comments:

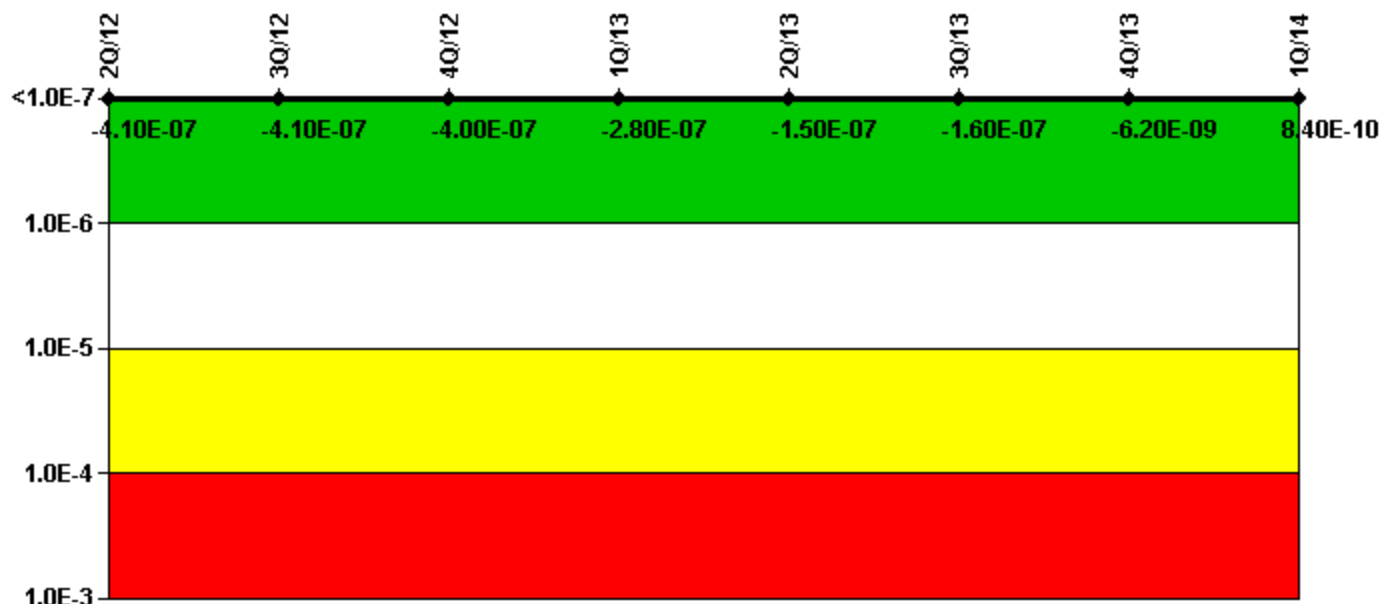
1Q/14: DCPD submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system. See LER 1-2012-008-00. (LER # added to comment field 6-13-13)

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

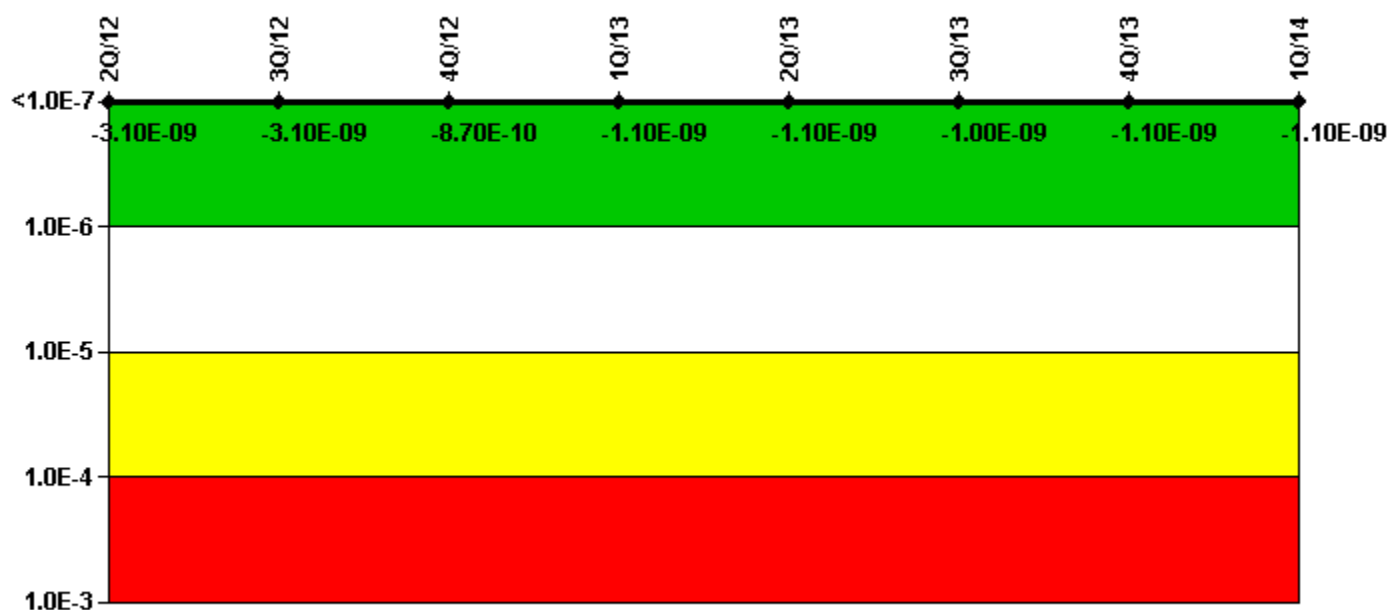
Mitigating Systems Performance Index, Emergency AC Power System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	3.71E-09	5.26E-09	5.31E-09	-1.82E-10	9.22E-09	1.18E-09	2.38E-08	2.72E-08
URI (ΔCDF)	-4.16E-07	-4.12E-07	-4.07E-07	-2.84E-07	-1.58E-07	-1.56E-07	-3.00E-08	-2.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-07	-4.10E-07	-4.00E-07	-2.80E-07	-1.50E-07	-1.60E-07	-6.20E-09	8.40E-10

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

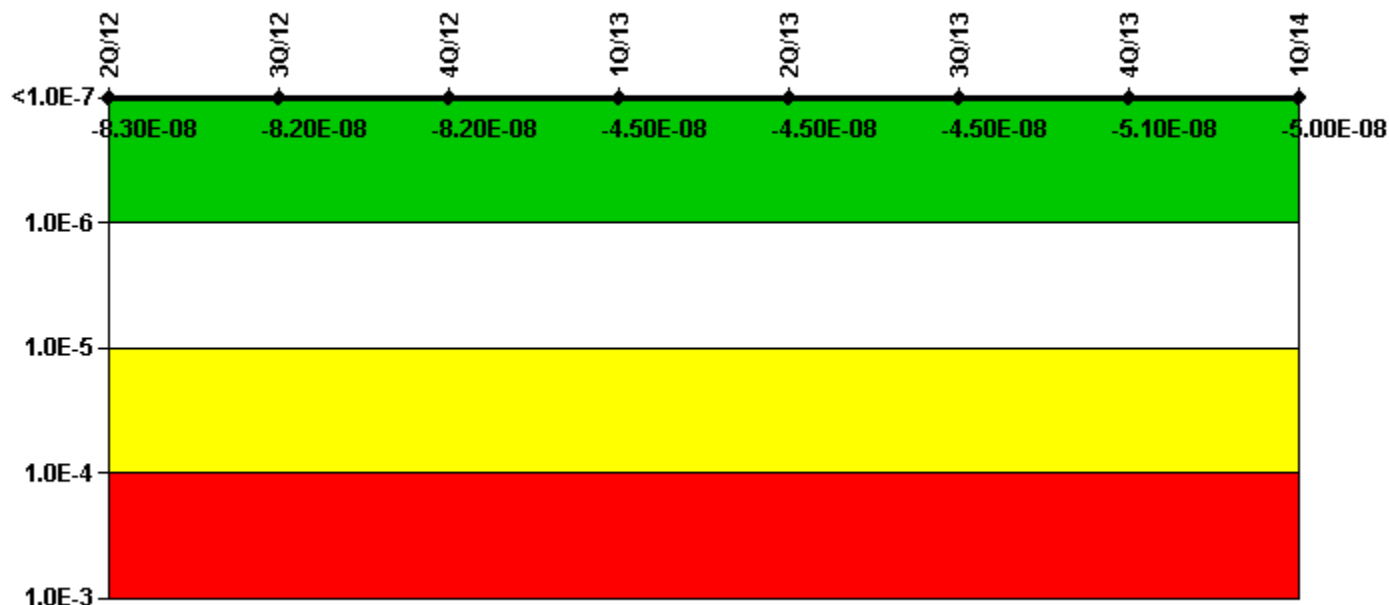
Mitigating Systems Performance Index, High Pressure Injection System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	-1.70E-09	-1.72E-09	5.15E-10	4.00E-11	4.45E-11	8.61E-11	5.77E-11	3.94E-11
URI (ΔCDF)	-1.39E-09	-1.39E-09	-1.39E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-09	-3.10E-09	-8.70E-10	-1.10E-09	-1.10E-09	-1.00E-09	-1.10E-09	-1.10E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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

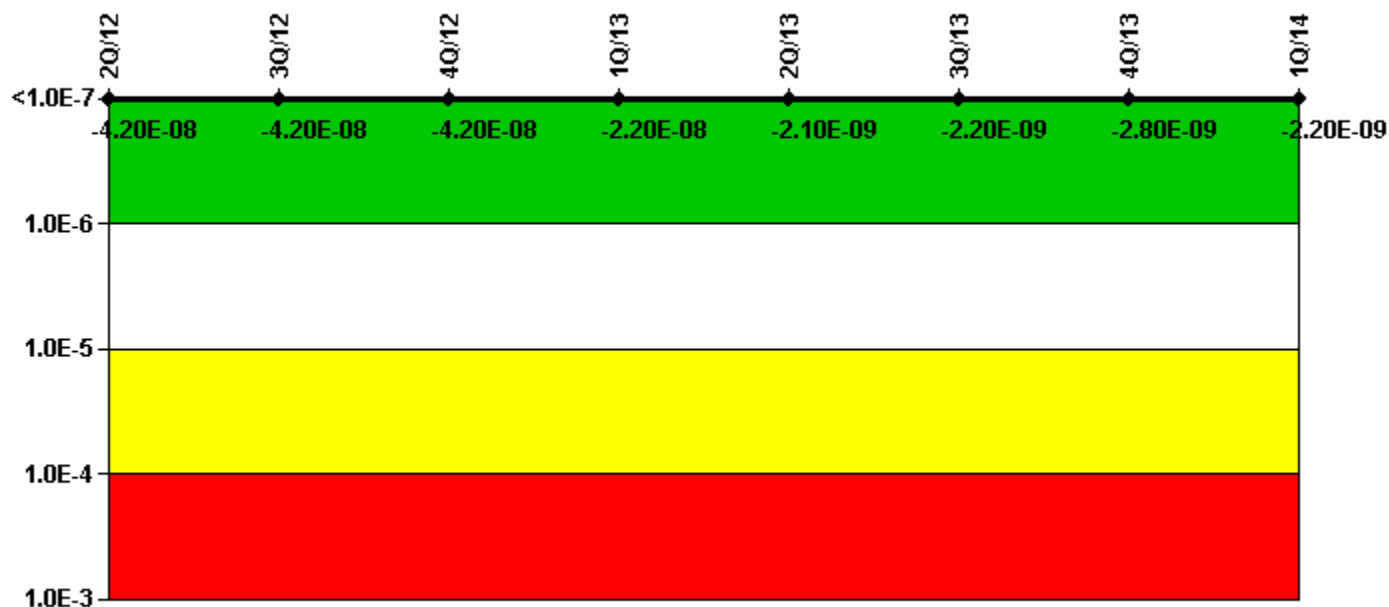
Mitigating Systems Performance Index, Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	9.98E-10	2.13E-09	2.13E-09	4.73E-09	4.81E-09	4.83E-09	-7.78E-10	-2.90E-10
URI (Δ CDF)	-8.37E-08	-8.37E-08	-8.37E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.30E-08	-8.20E-08	-8.20E-08	-4.50E-08	-4.50E-08	-4.50E-08	-5.10E-08	-5.00E-08

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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

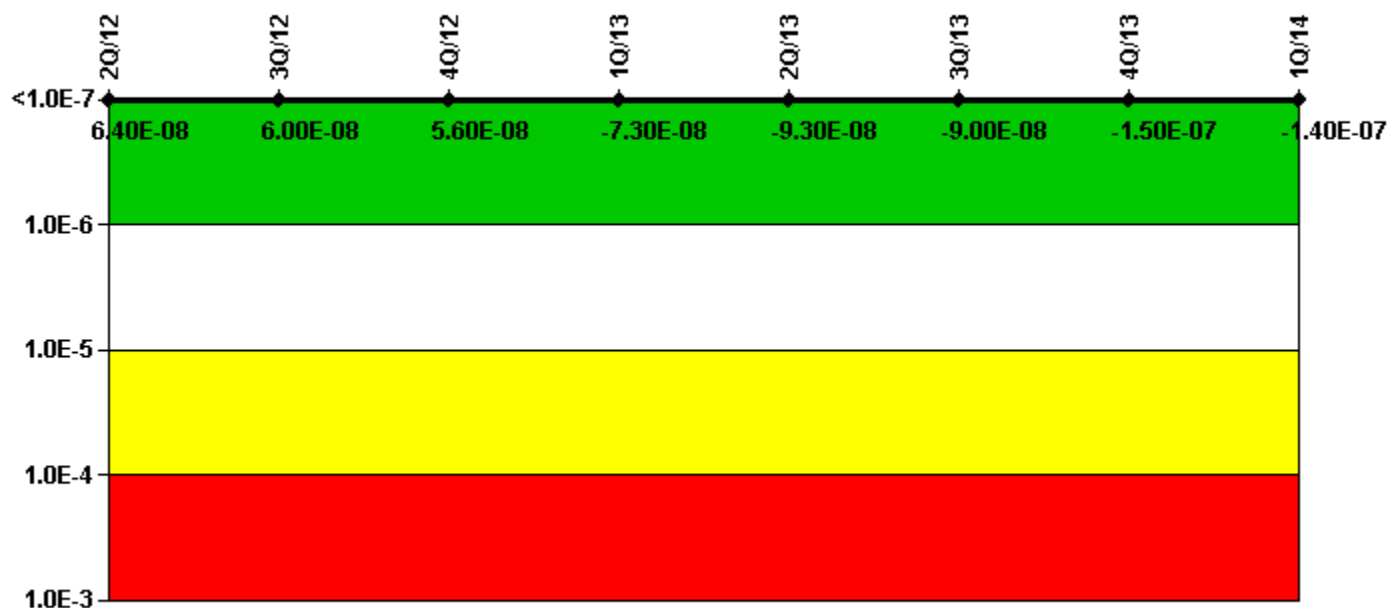
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	-5.94E-09	-5.94E-09	-5.94E-09	-5.60E-09	1.44E-08	1.44E-08	1.38E-08	1.44E-08
URI (Δ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-1.64E-08	-1.65E-08	-1.66E-08	-1.66E-08	-1.67E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-4.20E-08	-2.20E-08	-2.10E-09	-2.20E-09	-2.80E-09	-2.20E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	9.12E-08	8.73E-08	8.27E-08	-2.08E-08	-4.07E-08	-3.79E-08	-1.01E-07	-8.72E-08
URI (Δ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.40E-08	6.00E-08	5.60E-08	7.30E-08	9.30E-08	9.00E-08	1.50E-07	1.40E-07

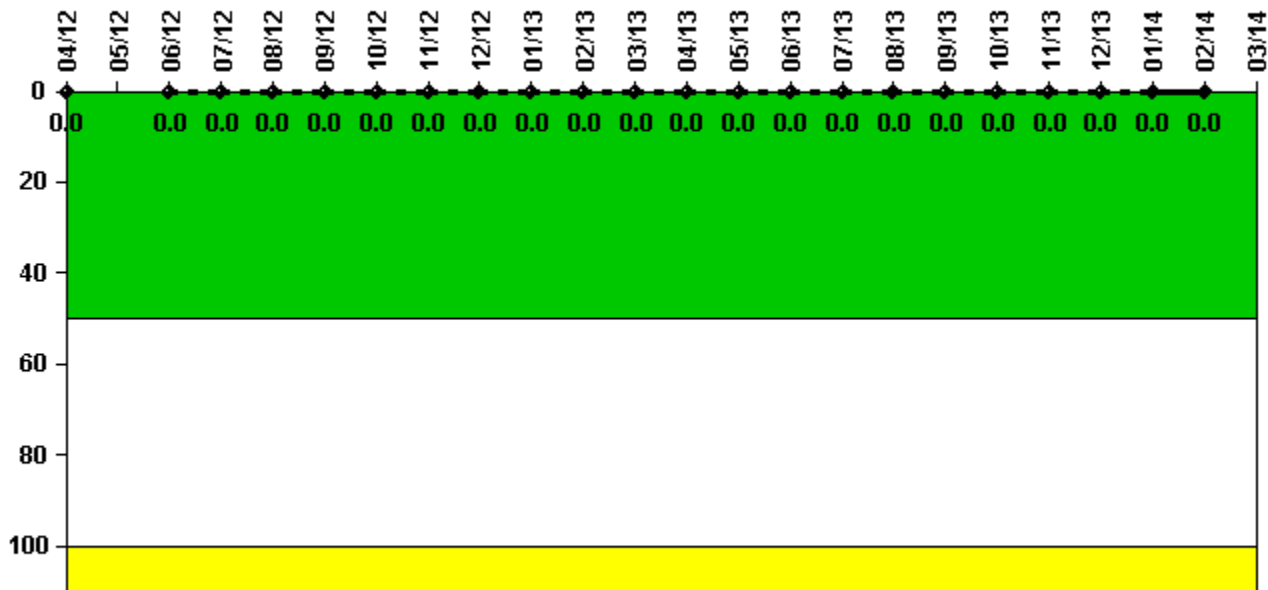
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low

Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

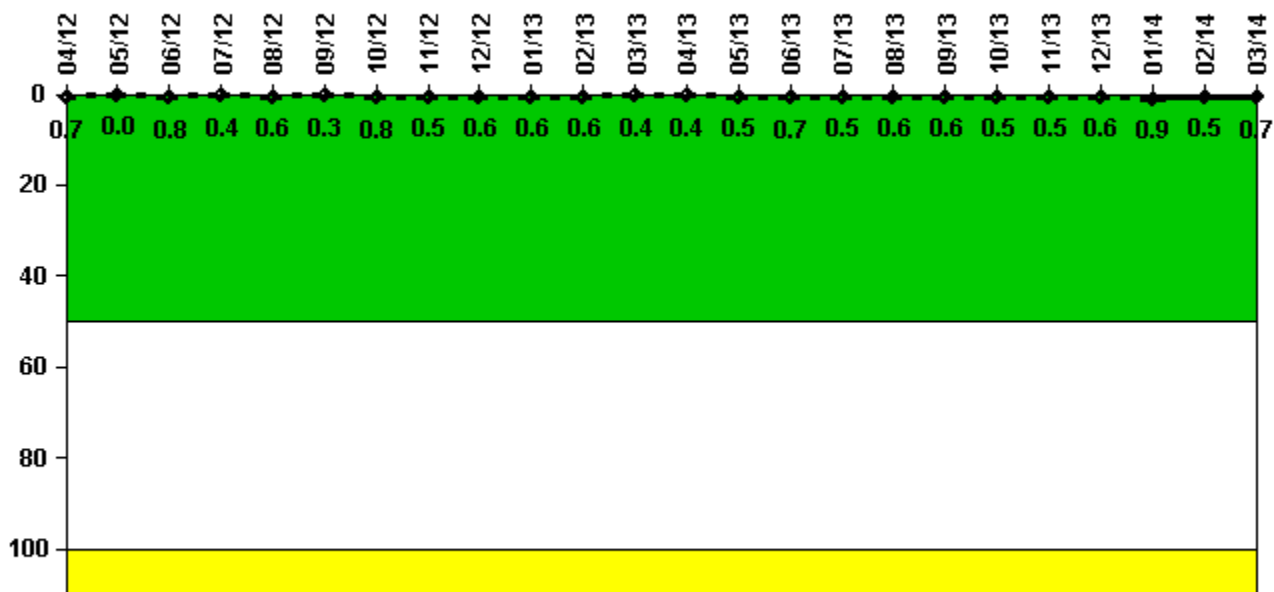
Notes

Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000090	N/A	0.000055	0.000057	0.000065	0.000057	0.000062	0.000059	0.000062	0.000065	0.000064	0.000068
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	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000073	0.000070	0.000105	0.000117	0.000066	0.000075	0.000075	0.000080	0.000081	0.000081	0.000045	N/A
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	N/A

Licensee Comments: none

Reactor Coolant System Leakage



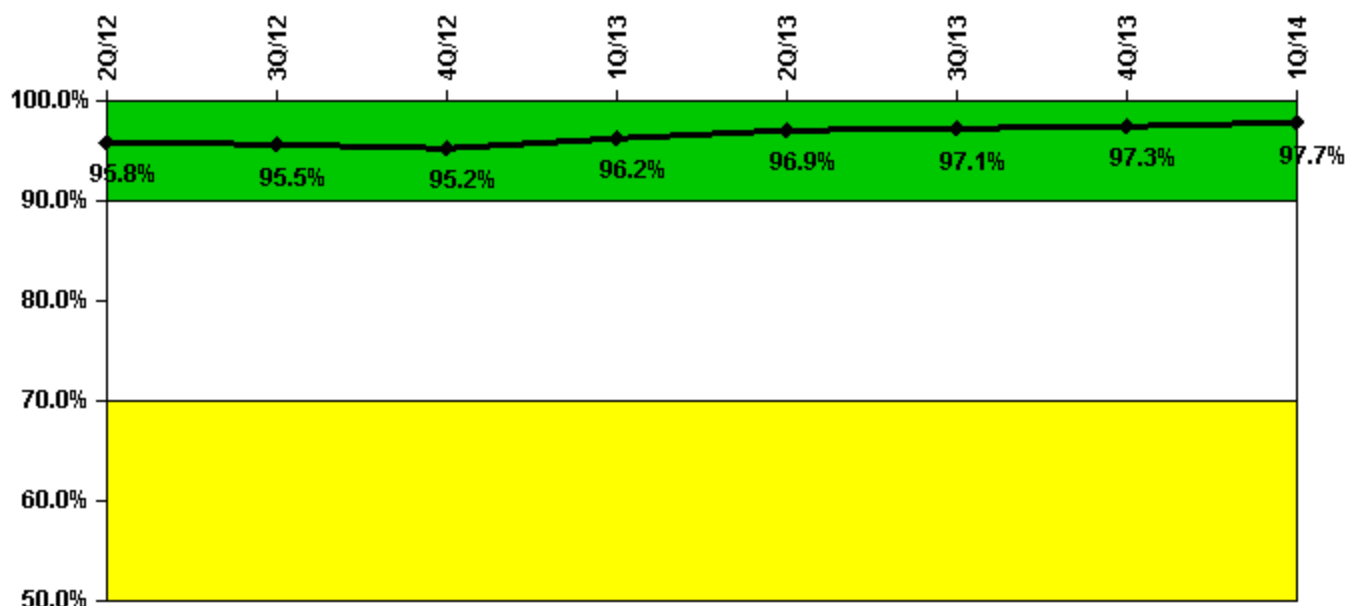
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.070	0	0.075	0.044	0.058	0.033	0.075	0.049	0.055	0.061	0.056	0.041
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	0.7	0	0.8	0.4	0.6	0.3	0.8	0.5	0.6	0.6	0.6	0.4
Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.040	0.050	0.070	0.049	0.055	0.061	0.052	0.050	0.061	0.091	0.051	0.066
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	0.4	0.5	0.7	0.5	0.6	0.6	0.5	0.5	0.6	0.9	0.5	0.7

Licensee Comments: none

Drill/Exercise Performance



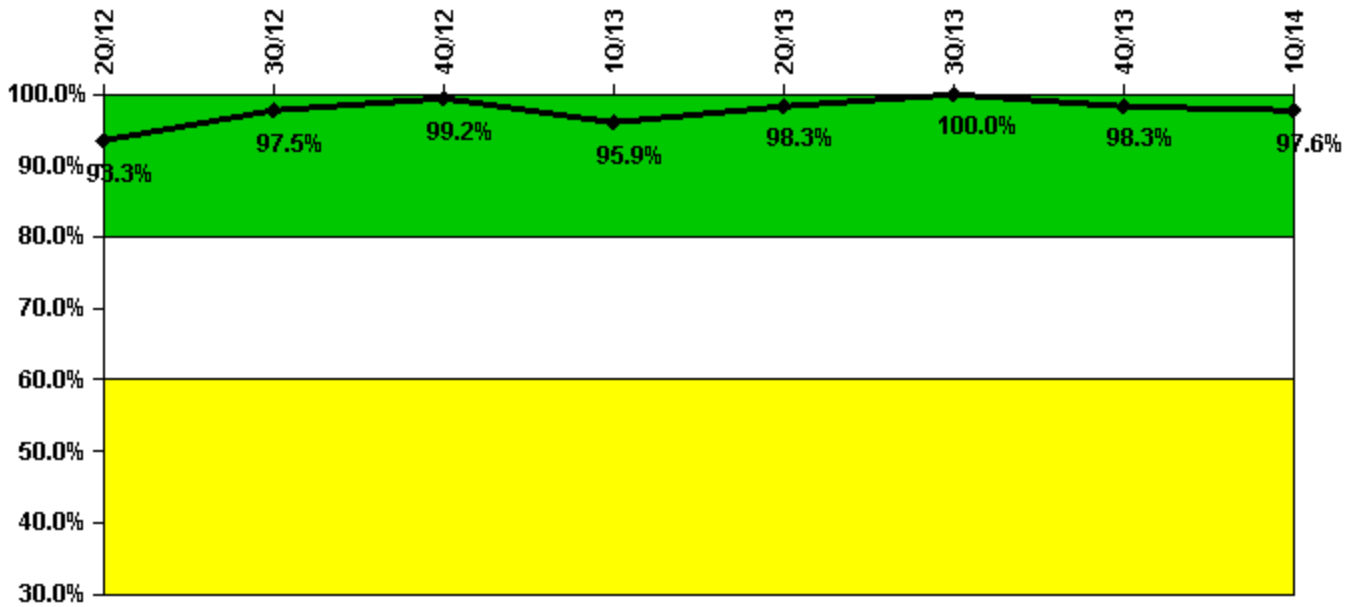
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	6.0	52.0	22.0	8.0	37.0	29.0	42.0	19.0
Total opportunities	6.0	54.0	25.0	8.0	37.0	29.0	42.0	19.0
Indicator value	95.8%	95.5%	95.2%	96.2%	96.9%	97.1%	97.3%	97.7%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

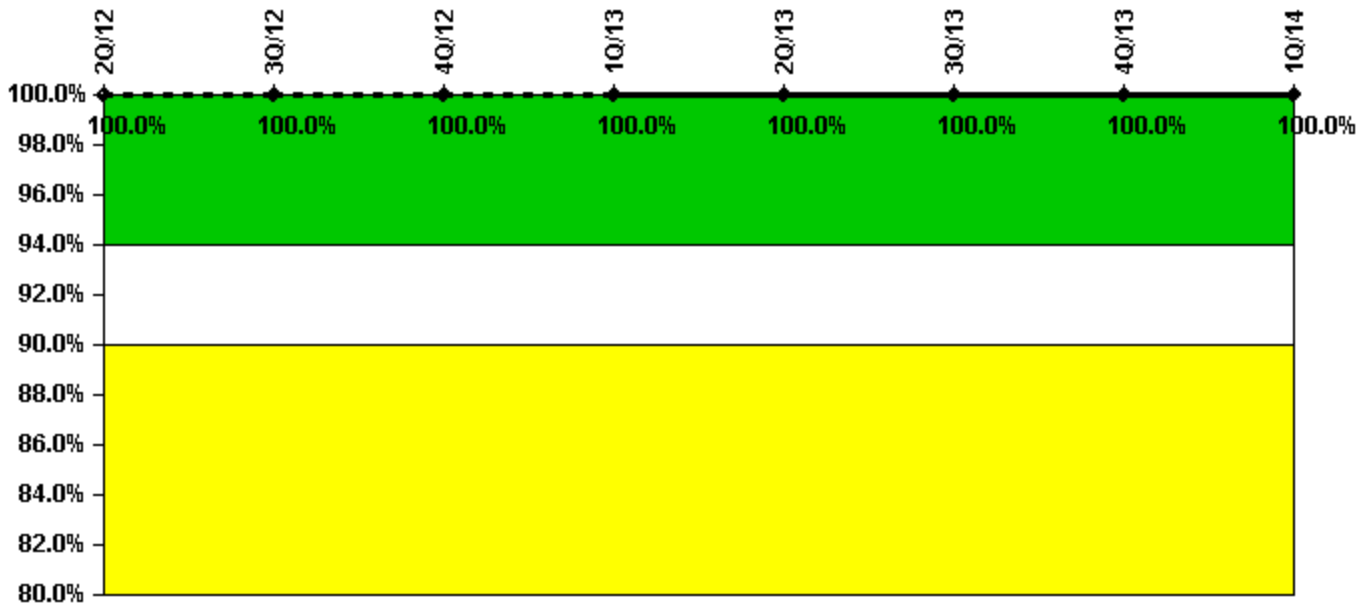
Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	112.0	116.0	119.0	117.0	119.0	115.0	118.0	120.0
Total Key personnel	120.0	119.0	120.0	122.0	121.0	115.0	120.0	123.0
Indicator value	93.3%	97.5%	99.2%	95.9%	98.3%	100.0%	98.3%	97.6%

Licensee Comments:

3Q/13: Total Key ERO personnel adjusted due to mis-calculation.

Alert & Notification System



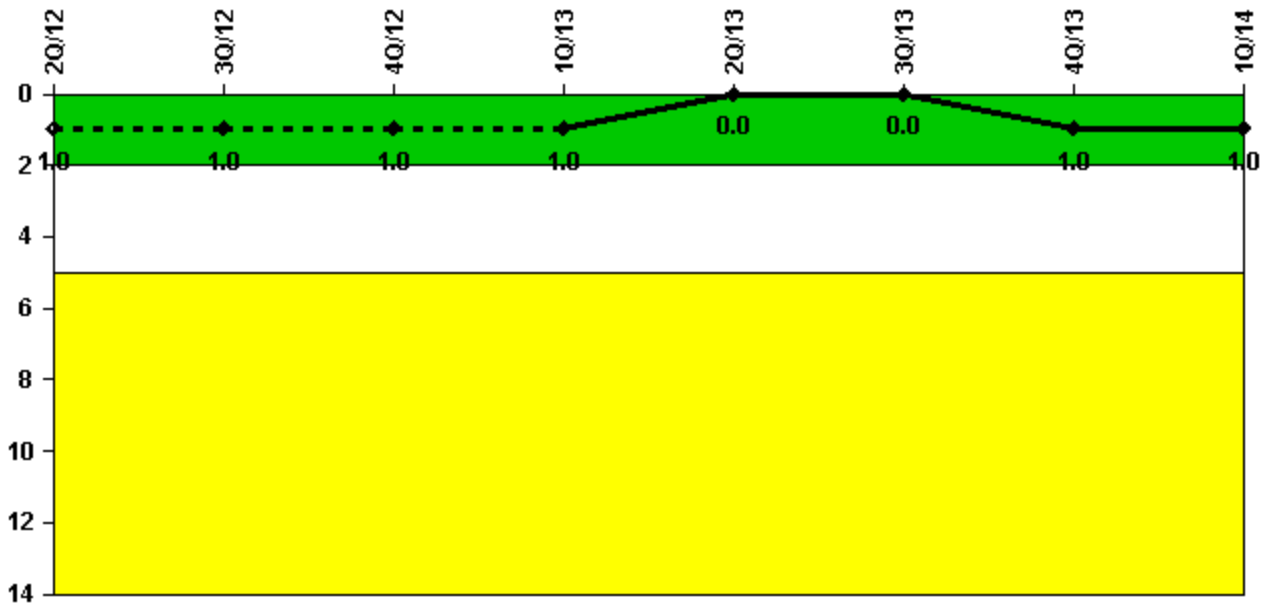
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	916	1310	917	1046	917	1310	1048	917
Total sirens-tests	917	1310	917	1047	917	1310	1048	917
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

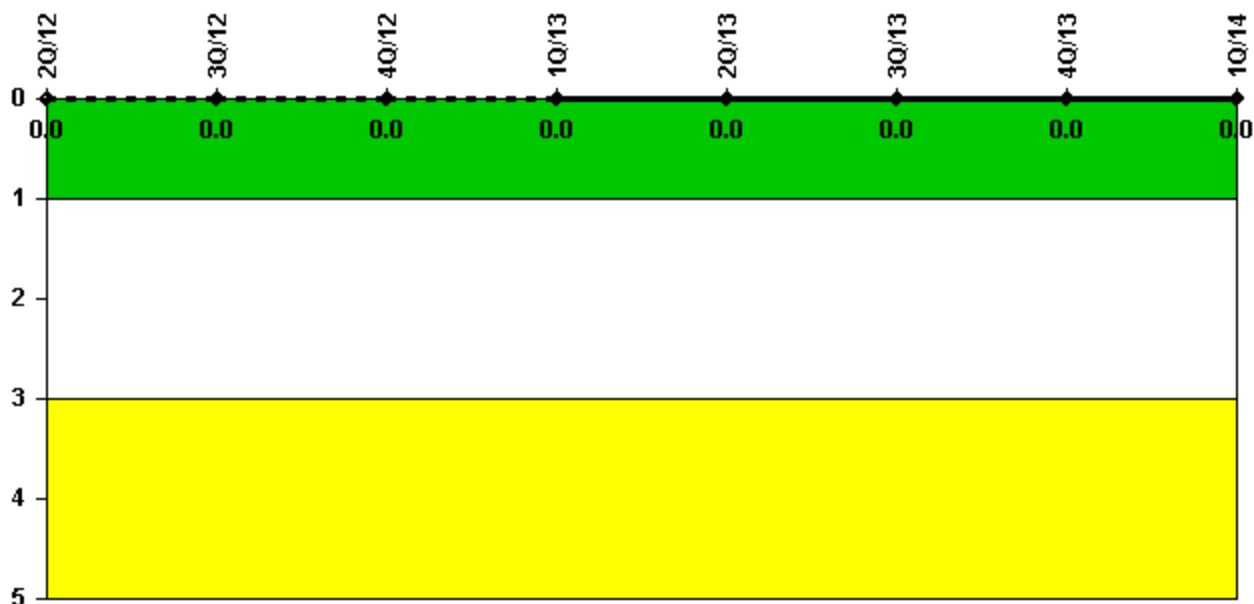
Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
High radiation area occurrences	1	0	0	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	1	1	1	1	0	0	1	1

Licensee Comments:

1Q/13: 50538483 identified a potential access path through a pipe chase between the Letdown Orifice Room and the Regenerative Heat Exchanger room. This was later determined to not be a violation of DCPD Technical Specification 5.7.2. Retracted

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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: April 23, 2014

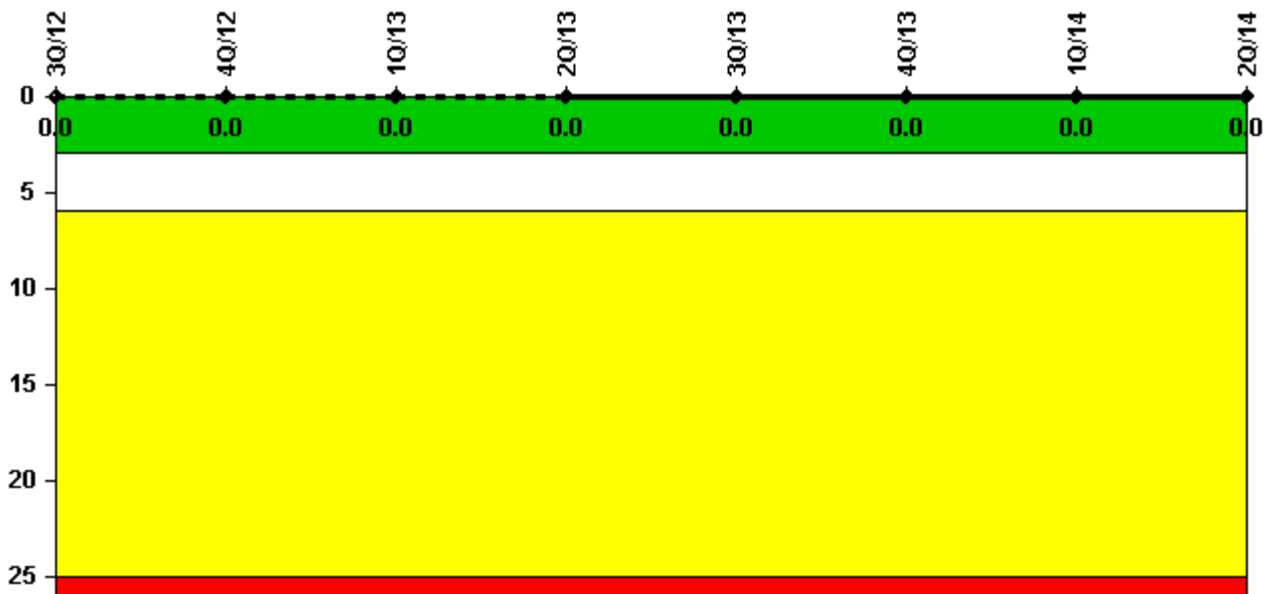
Diablo Canyon 1

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

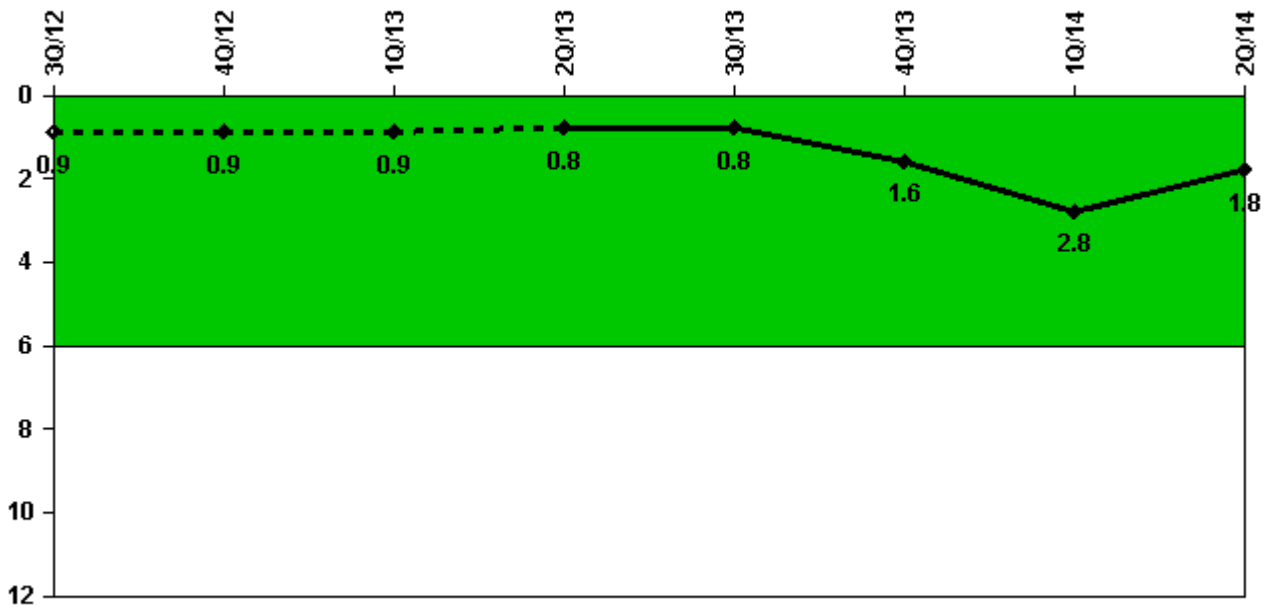
Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2067.9	2183.5	2209.0	1166.1	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	1.0	0	1.0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2067.9	2183.5	2209.0	1166.1	2184.0
Indicator value	0.9	0.9	0.9	0.8	0.8	1.6	2.8	1.8

Licensee Comments:

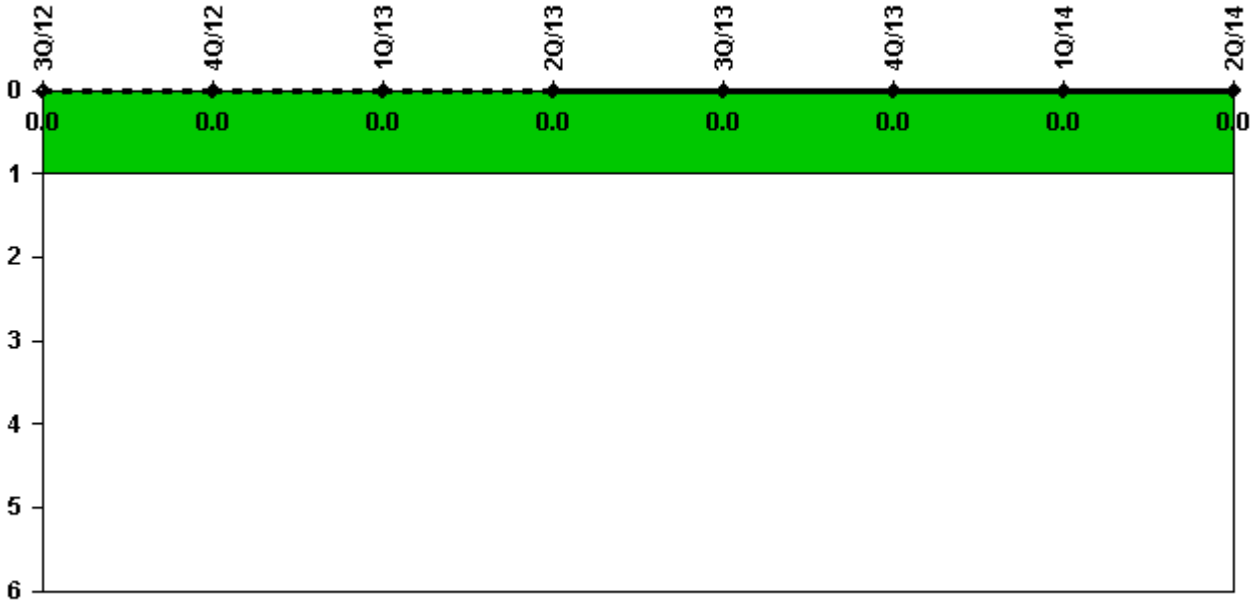
1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

2Q/13: DCPD Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Scrams with Complications



Thresholds: White > 1.0

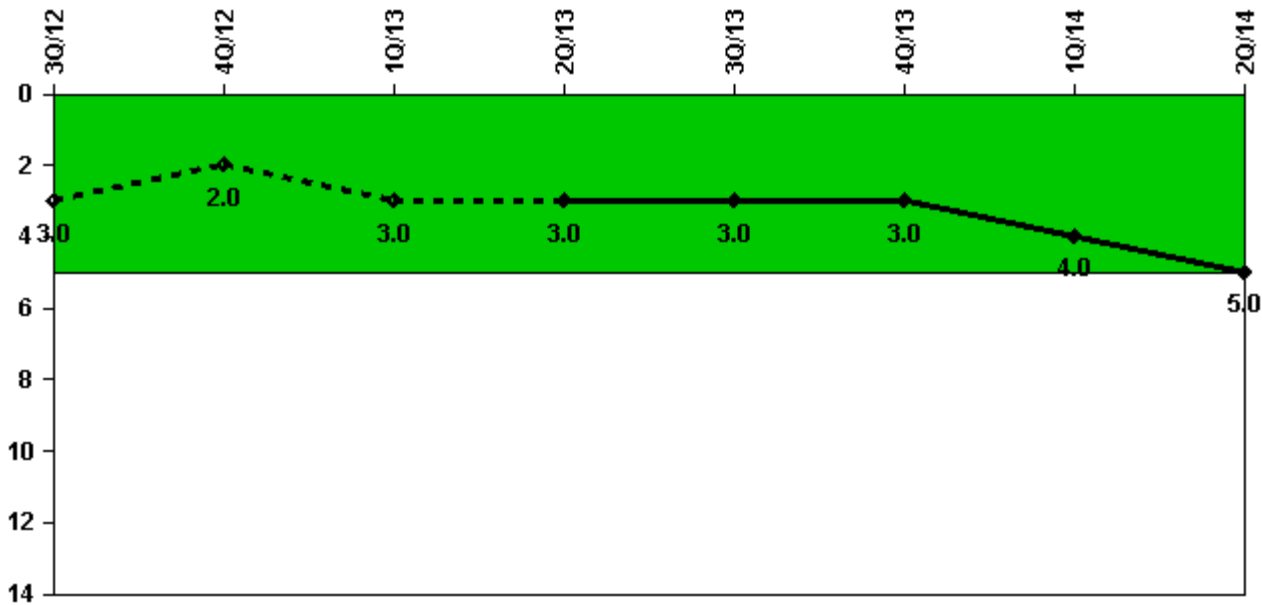
Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
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:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	2	0	1	0	2	0	2	1
Indicator value	3	2	3	3	3	3	4	5

Licensee Comments:

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

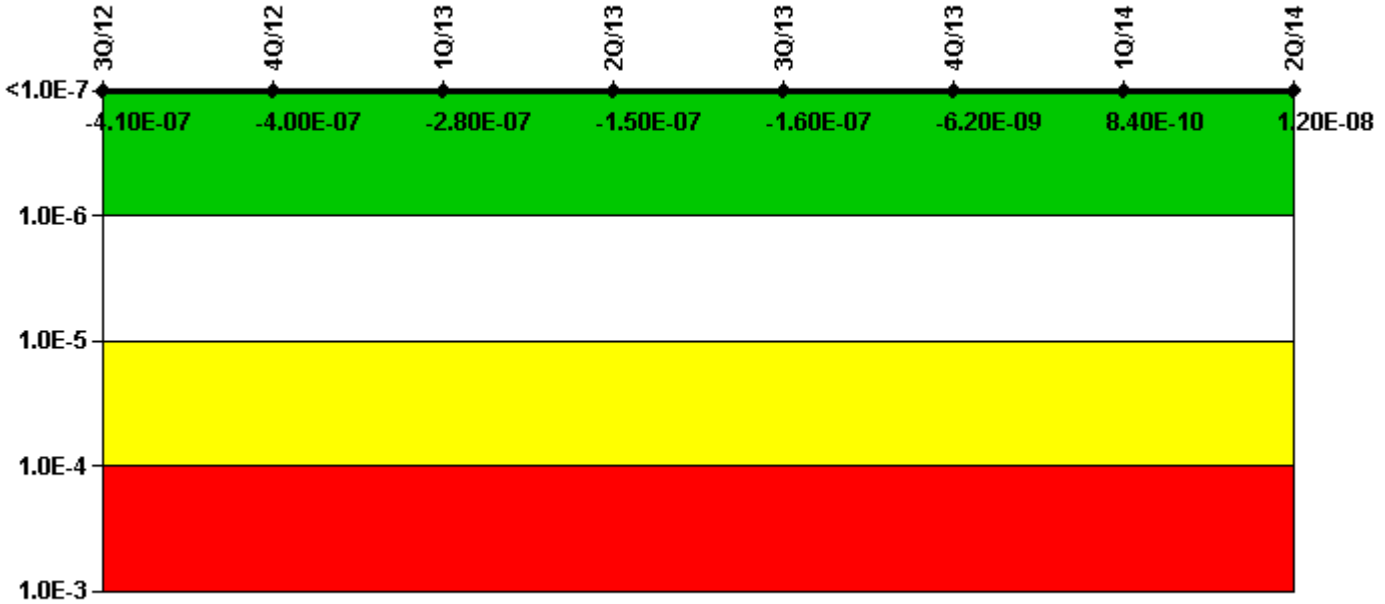
1Q/14: DCPD submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system. See LER 1-2012-008-00. (LER # added to comment field 6-13-13)

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

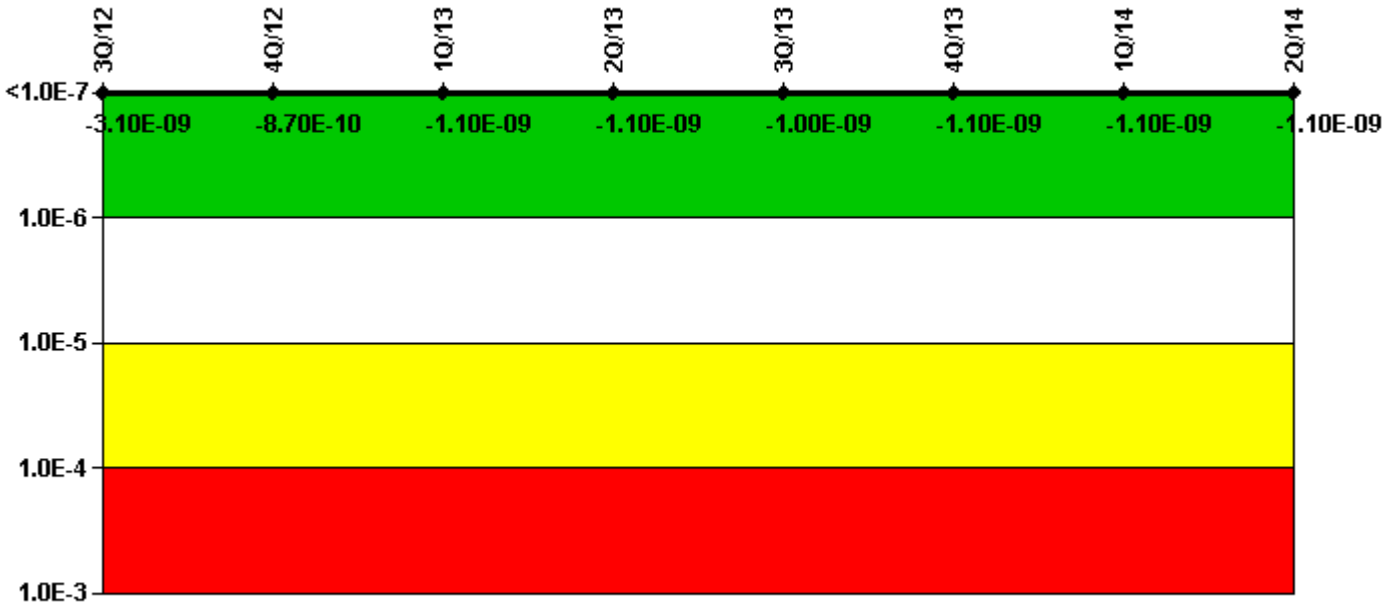
Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	5.26E-09	5.31E-09	-1.82E-10	9.22E-09	1.18E-09	2.38E-08	2.72E-08	2.58E-08
URI (Δ CDF)	-4.12E-07	-4.07E-07	-2.84E-07	-1.58E-07	-1.56E-07	-3.00E-08	-2.64E-08	-1.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-07	-4.00E-07	-2.80E-07	-1.50E-07	-1.60E-07	-6.20E-09	8.40E-10	1.20E-08

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

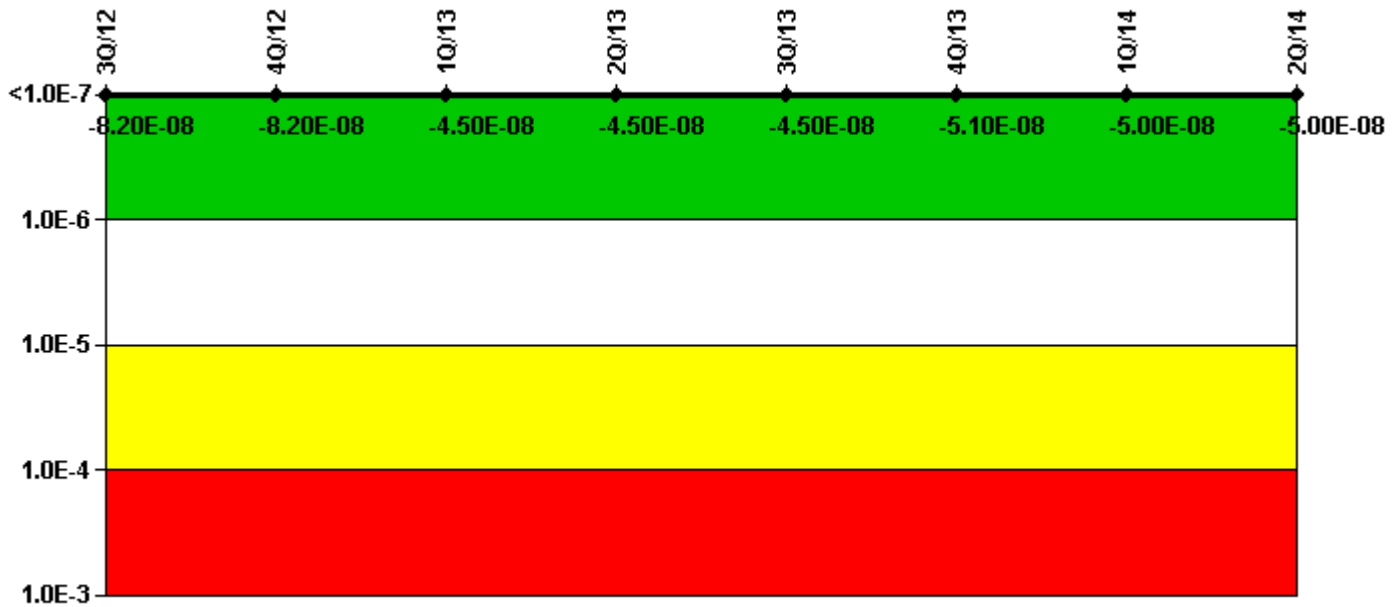
Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-1.72E-09	5.15E-10	4.00E-11	4.45E-11	8.61E-11	5.77E-11	3.94E-11	2.91E-11
URI (Δ CDF)	-1.39E-09	-1.39E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-09	-8.70E-10	-1.10E-09	-1.10E-09	-1.00E-09	-1.10E-09	-1.10E-09	-1.10E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	2.13E-09	2.13E-09	4.73E-09	4.81E-09	4.83E-09	-7.78E-10	-2.90E-10	-2.90E-10
URI (Δ CDF)	-8.37E-08	-8.37E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.20E-08	-8.20E-08	-4.50E-08	-4.50E-08	-4.50E-08	-5.10E-08	-5.00E-08	-5.00E-08

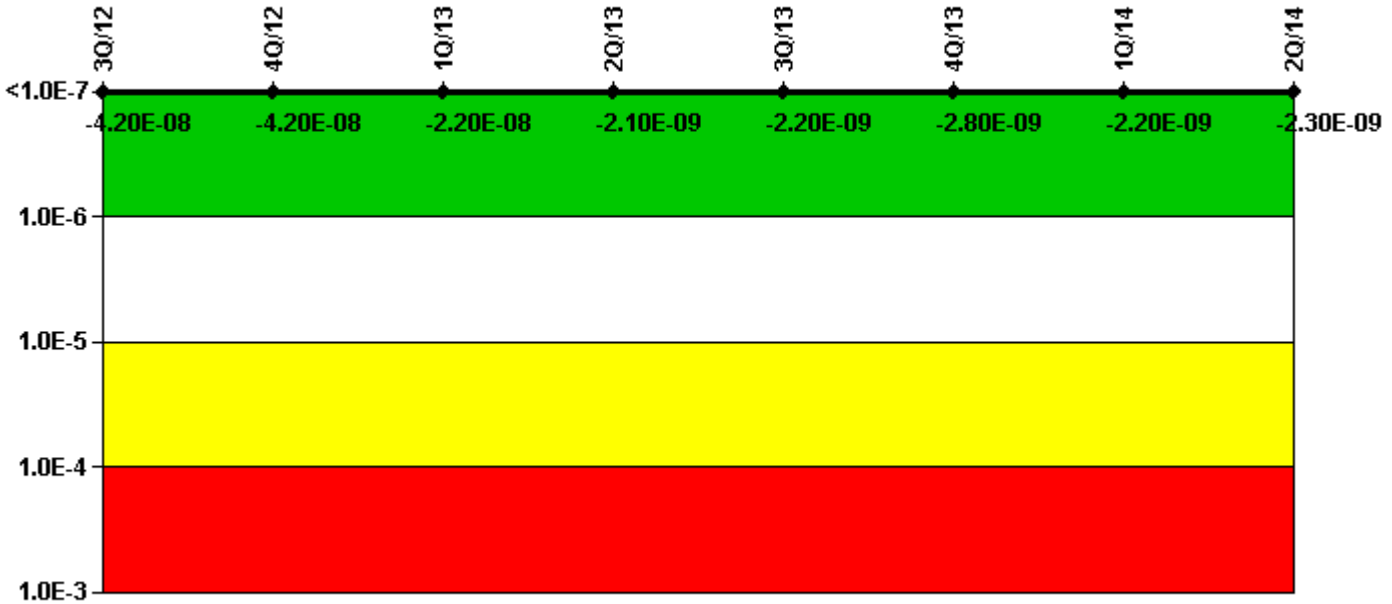
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due

to low Birnbaum values.

1Q/13: 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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	-5.94E-09	-5.94E-09	-5.60E-09	1.44E-08	1.44E-08	1.38E-08	1.44E-08	1.44E-08
URI (ΔCDF)	-3.64E-08	-3.64E-08	-1.64E-08	-1.65E-08	-1.66E-08	-1.66E-08	-1.67E-08	-1.67E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.20E-08	-2.20E-08	-2.10E-09	-2.20E-09	-2.80E-09	-2.20E-09	-2.30E-09

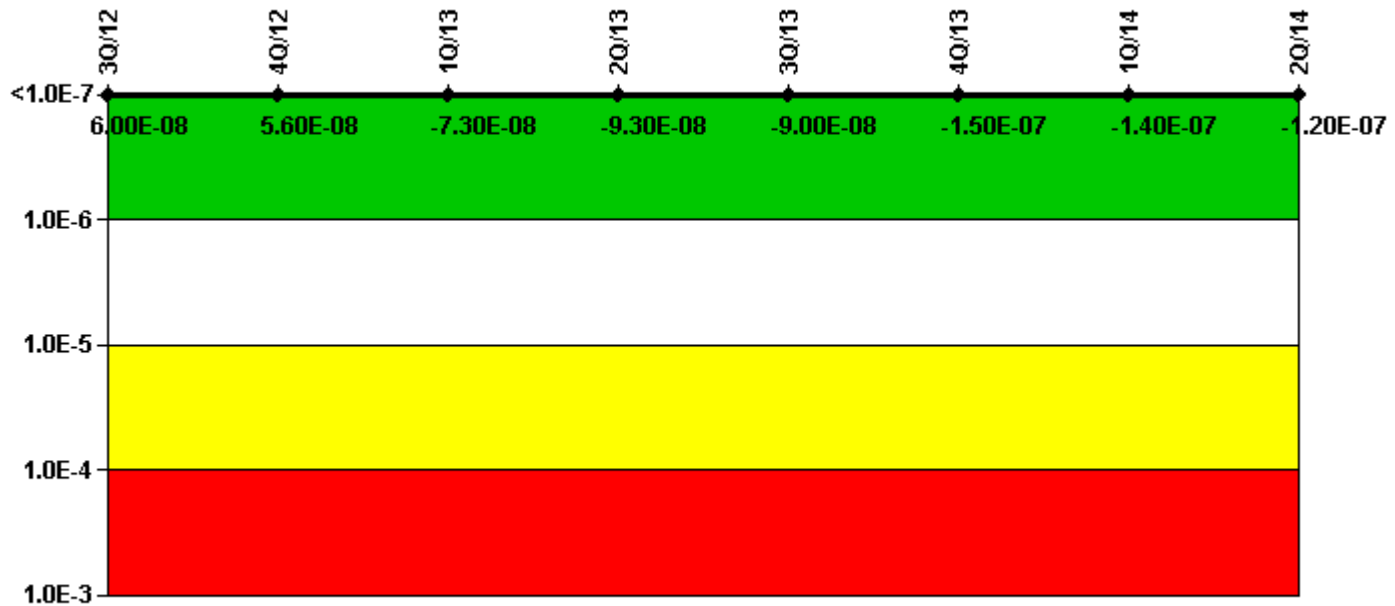
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussell-Vessely and basic event probabilities for all monitored trains

and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	8.73E-08	8.27E-08	-2.08E-08	-4.07E-08	-3.79E-08	-1.01E-07	-8.72E-08	-6.45E-08
URI (Δ CDF)	-2.70E-08	-2.70E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.00E-08	5.60E-08	7.30E-08	9.30E-08	9.00E-08	1.50E-07	1.40E-07	1.20E-07

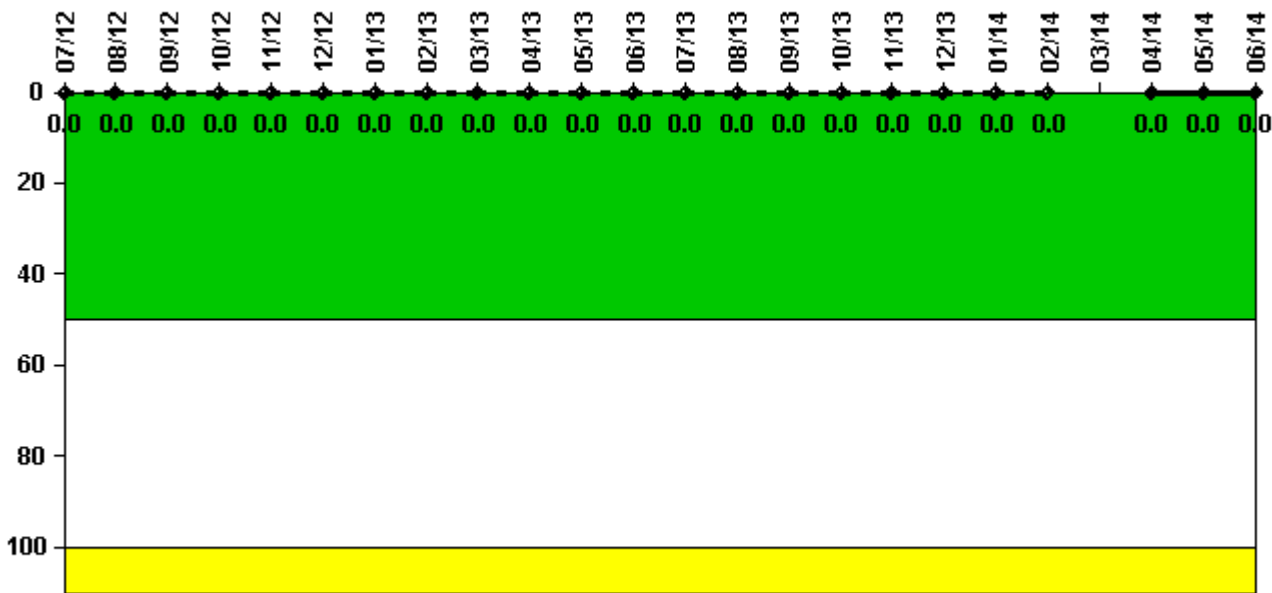
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new

model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

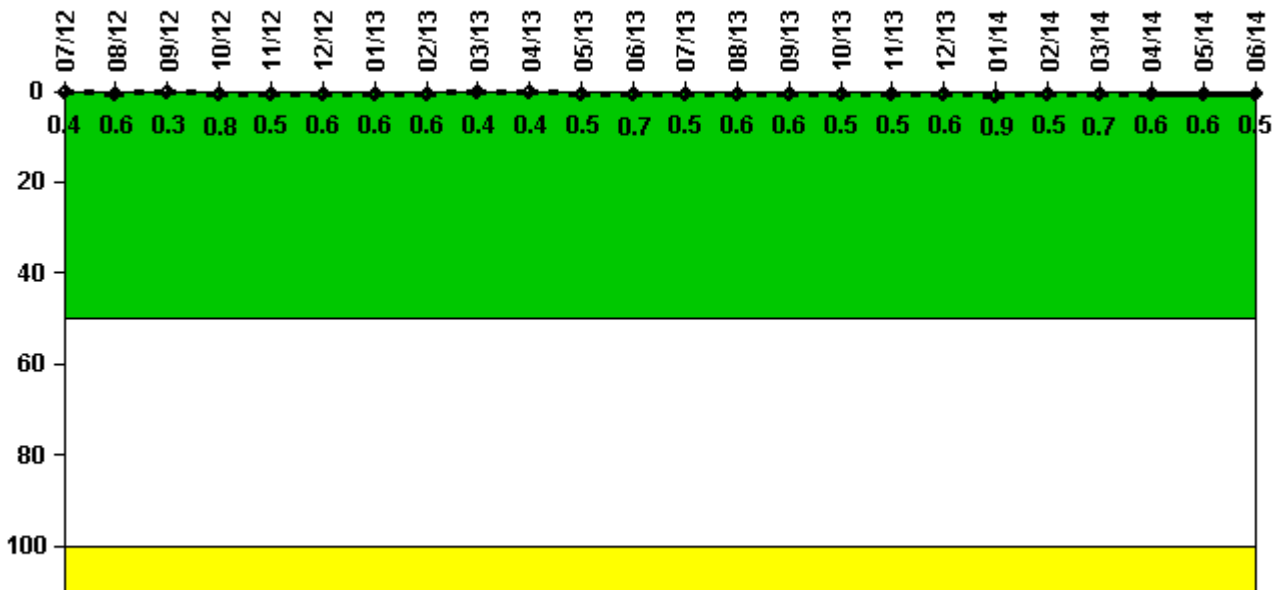
Notes

Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000057	0.000065	0.000057	0.000062	0.000059	0.000062	0.000065	0.000064	0.000068	0.000073	0.000070	0.000105
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
Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14

Maximum activity	0.000117	0.000066	0.000075	0.000075	0.000080	0.000081	0.000081	0.000045	N/A	0.000030	0.000045	0.000047	
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	N/A	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



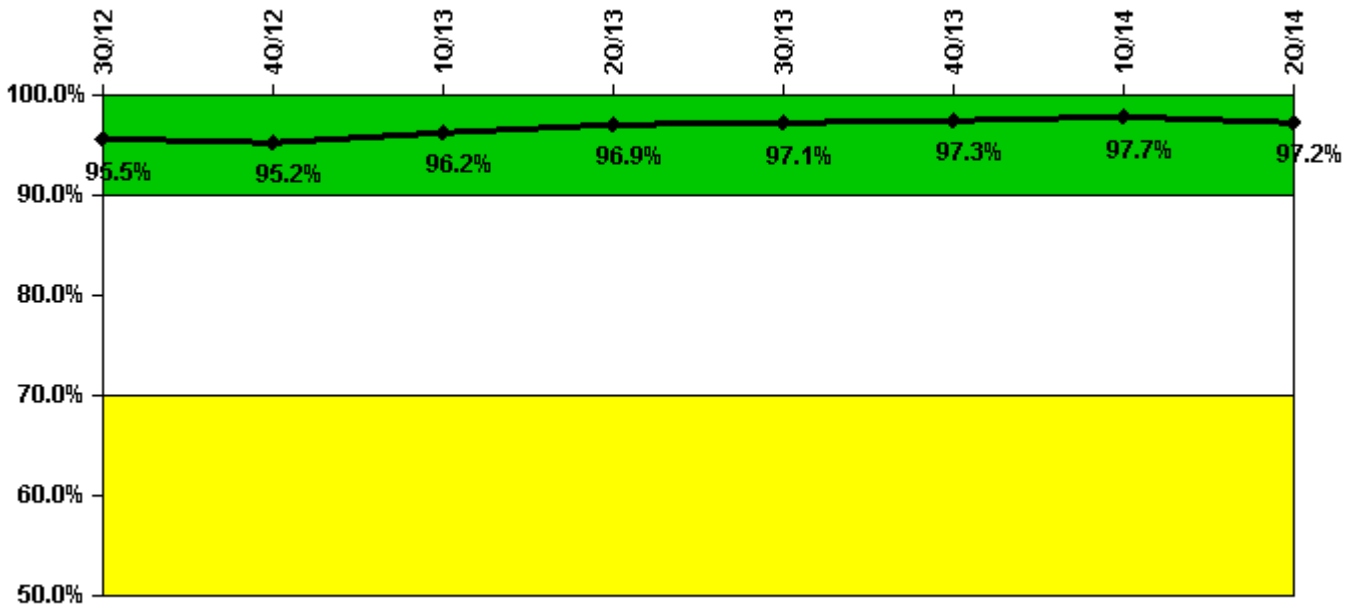
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.044	0.058	0.033	0.075	0.049	0.055	0.061	0.056	0.041	0.040	0.050	0.070
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	0.4	0.6	0.3	0.8	0.5	0.6	0.6	0.6	0.4	0.4	0.5	0.7
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.049	0.055	0.061	0.052	0.050	0.061	0.091	0.051	0.066	0.064	0.059	0.049
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	0.6	0.6	0.5	0.5	0.6	0.9	0.5	0.7	0.6	0.6	0.5

Licensee Comments: none

Drill/Exercise Performance



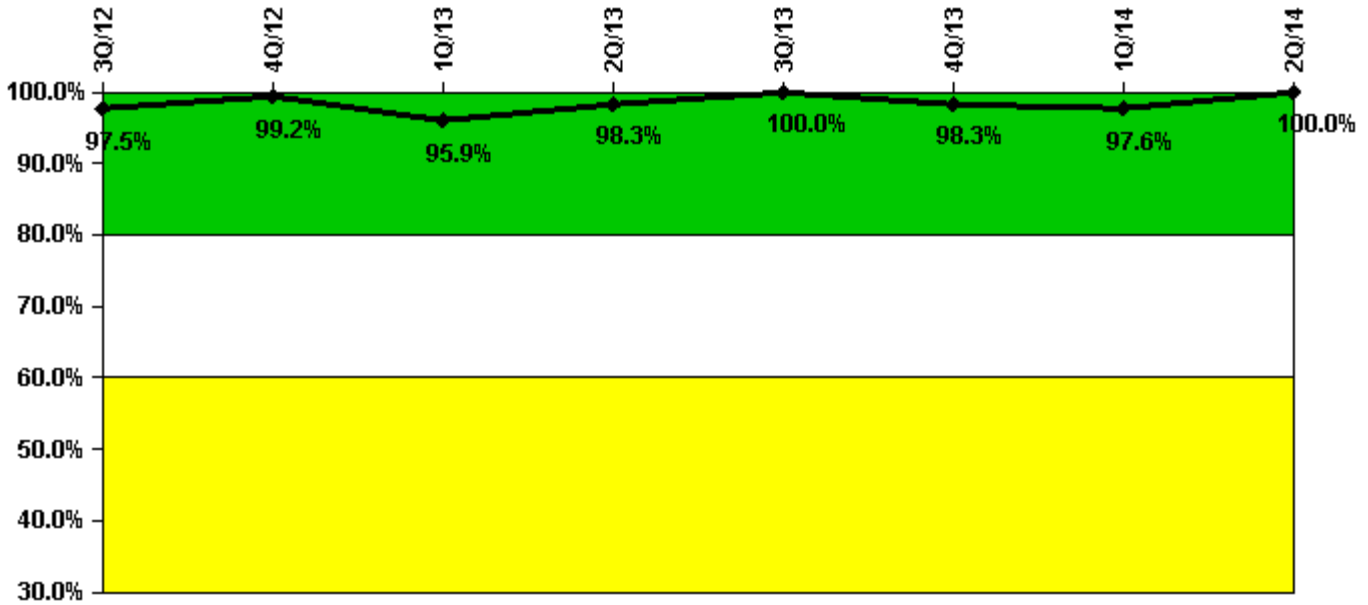
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	52.0	22.0	8.0	37.0	29.0	42.0	19.0	64.0
Total opportunities	54.0	25.0	8.0	37.0	29.0	42.0	19.0	67.0
Indicator value	95.5%	95.2%	96.2%	96.9%	97.1%	97.3%	97.7%	97.2%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

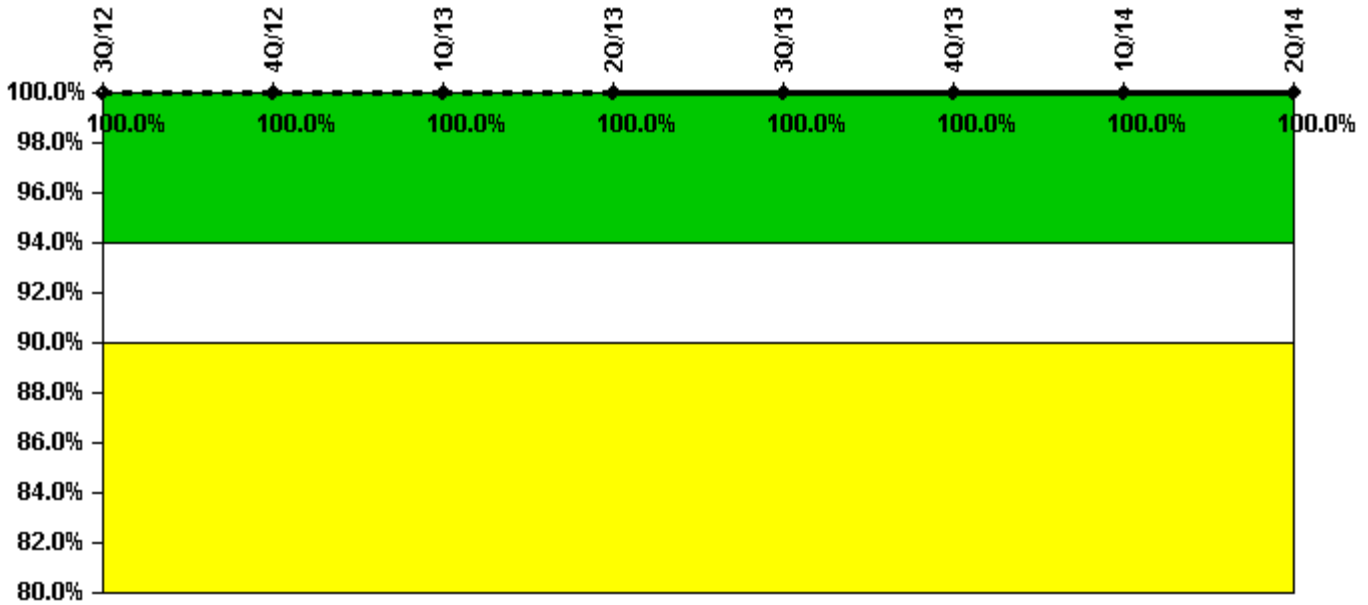
Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	116.0	119.0	117.0	119.0	115.0	118.0	120.0	117.0
Total Key personnel	119.0	120.0	122.0	121.0	115.0	120.0	123.0	117.0
Indicator value	97.5%	99.2%	95.9%	98.3%	100.0%	98.3%	97.6%	100.0%

Licensee Comments:

3Q/13: Total Key ERO personnel adjusted due to mis-calculation.

Alert & Notification System



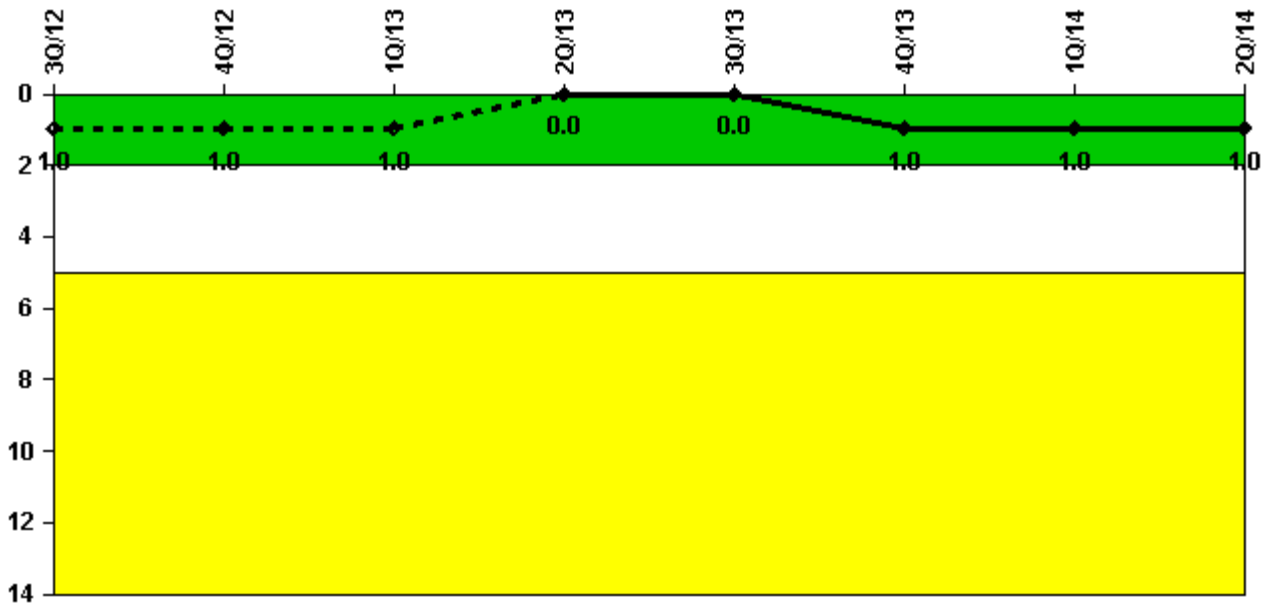
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	1310	917	1046	917	1310	1048	917	917
Total sirens-tests	1310	917	1047	917	1310	1048	917	917
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

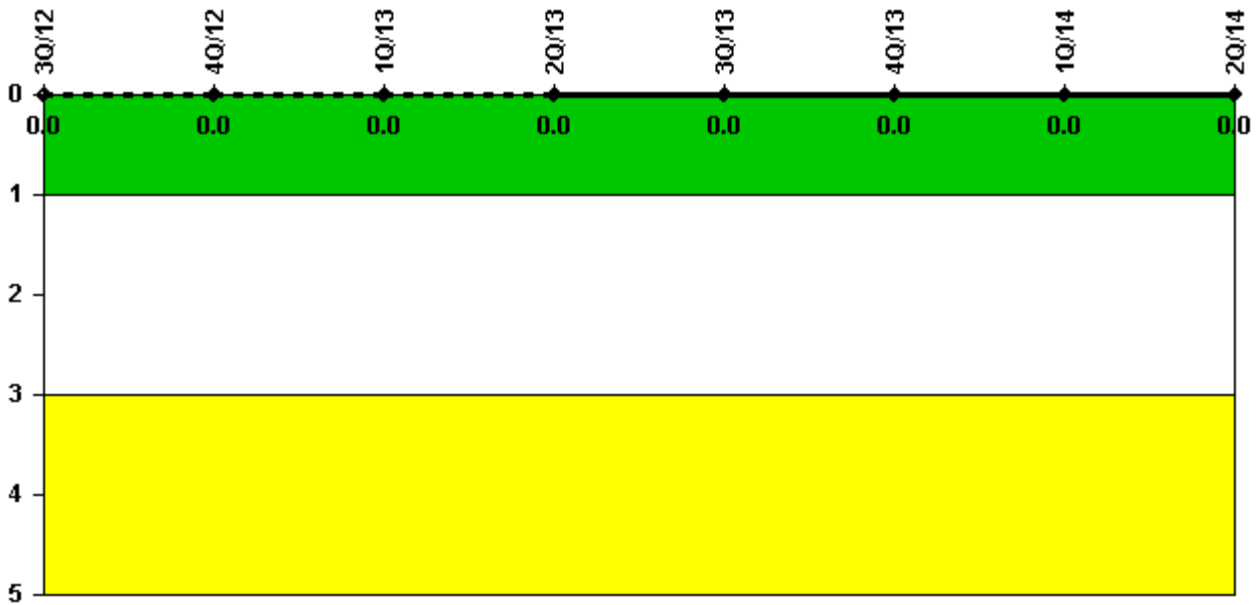
Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	0	0	0	0	0	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	1	1	1	0	0	1	1	1

Licensee Comments:

1Q/13: 50538483 identified a potential access path through a pipe chase between the Letdown Orifice Room and the Regenerative Heat Exchanger room. This was later determined to not be a violation of DCPD Technical Specification 5.7.2. Retracted

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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: July 31, 2014

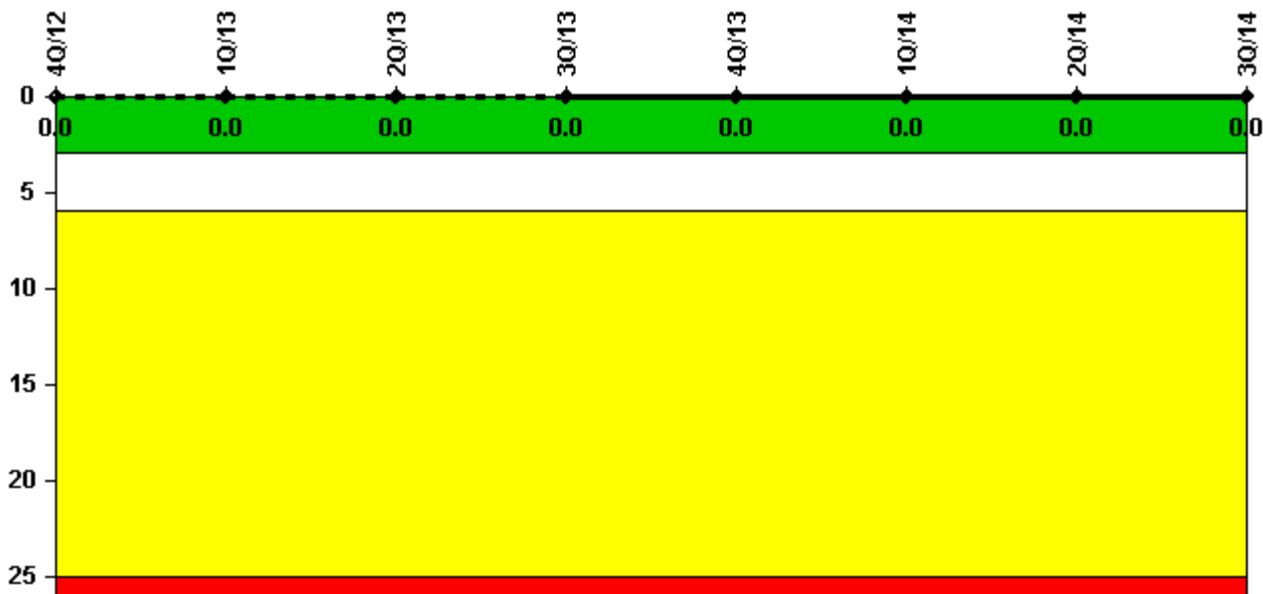
Diablo Canyon 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

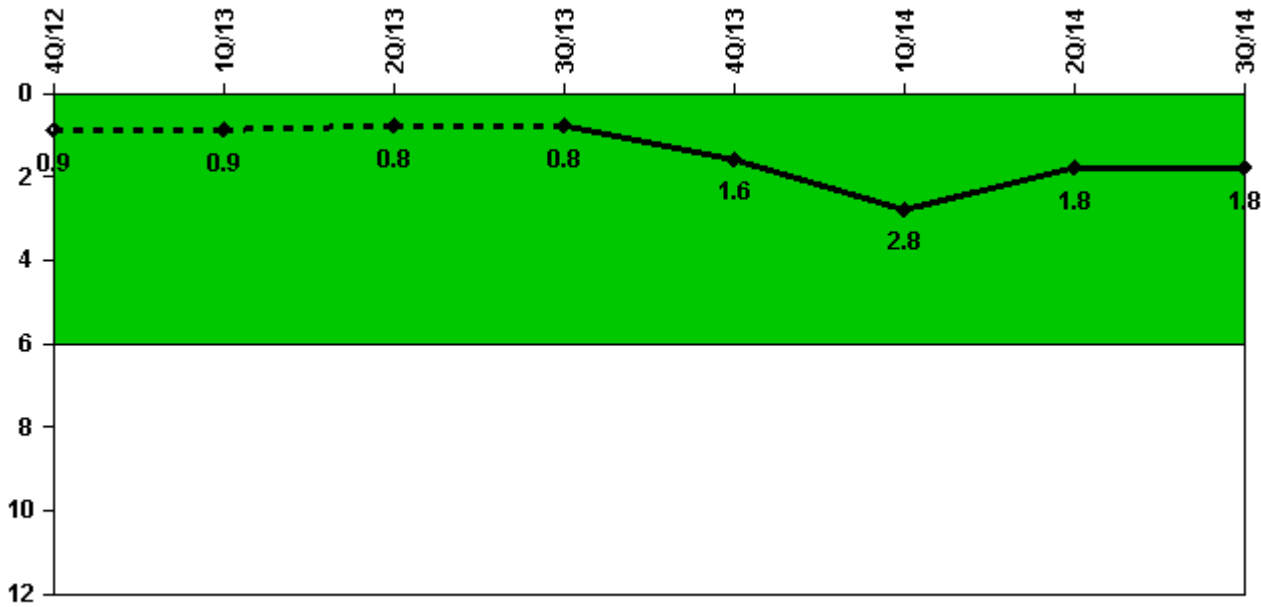
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2067.9	2183.5	2209.0	1166.1	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	1.0	0	1.0	1.0	0	0
Critical hours	2209.0	2159.0	2067.9	2183.5	2209.0	1166.1	2184.0	2208.0
Indicator value	0.9	0.9	0.8	0.8	1.6	2.8	1.8	1.8

Licensee Comments:

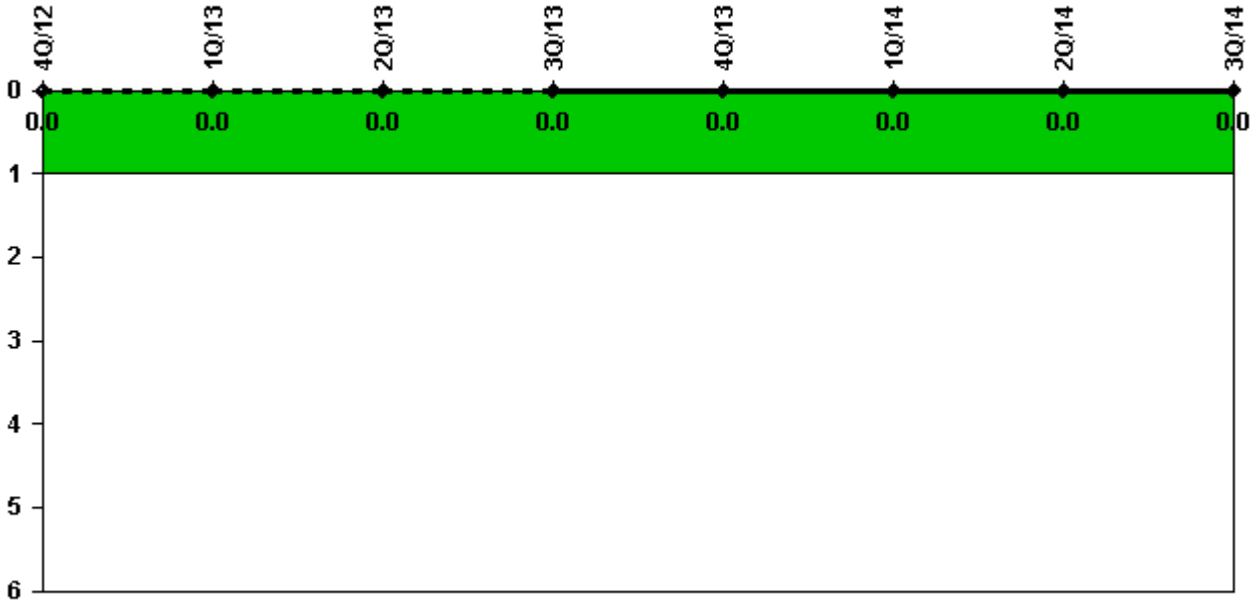
1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

2Q/13: DCP Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Scrams with Complications



Thresholds: White > 1.0

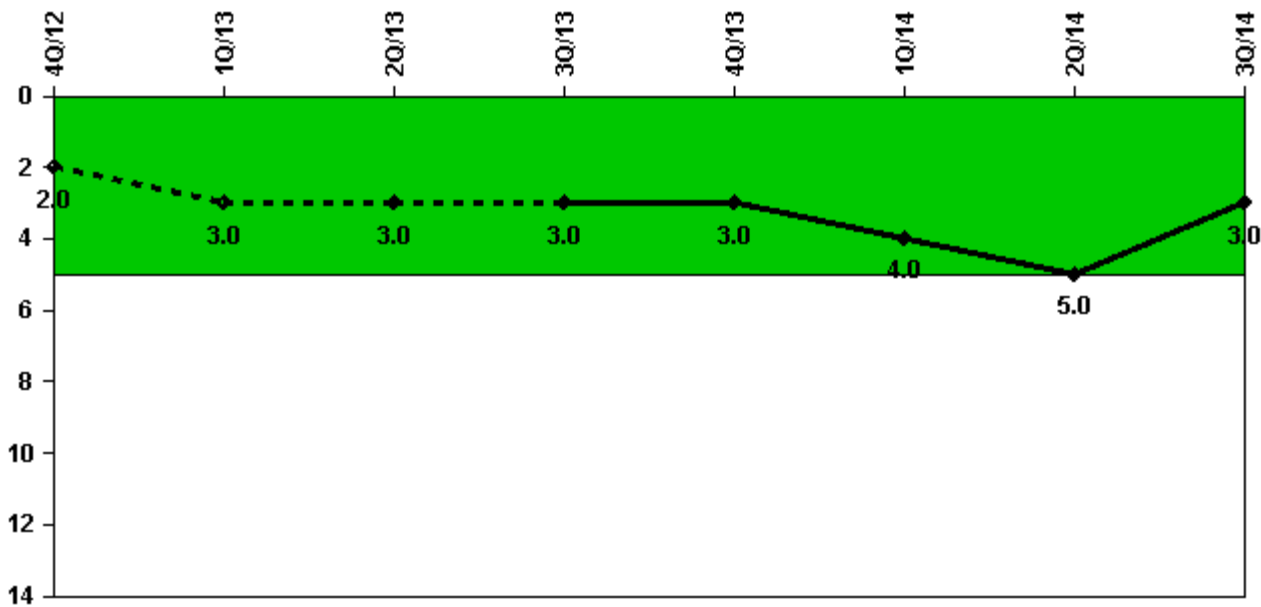
Notes

Unplanned Scrams with Complications	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
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:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	0	1	0	2	0	2	1	0
Indicator value	2	3	3	3	3	4	5	3

Licensee Comments:

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

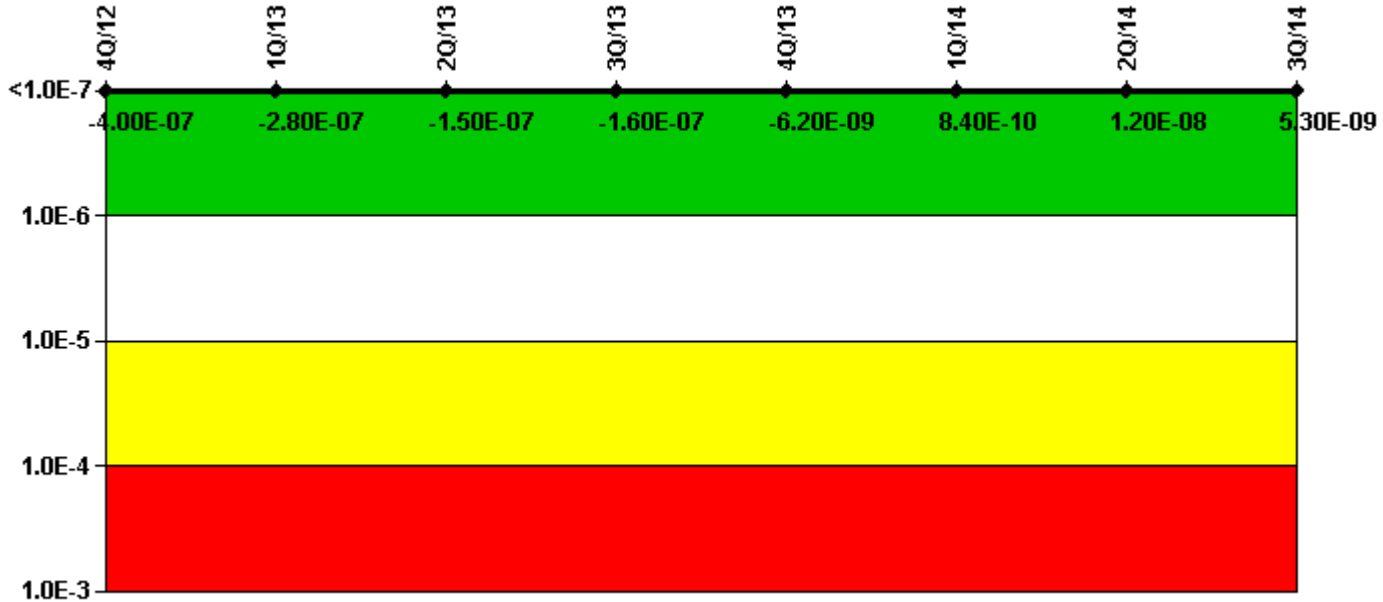
1Q/14: DCPD submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system. See LER 1-2012-008-00. (LER # added to comment field 6-13-13)

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

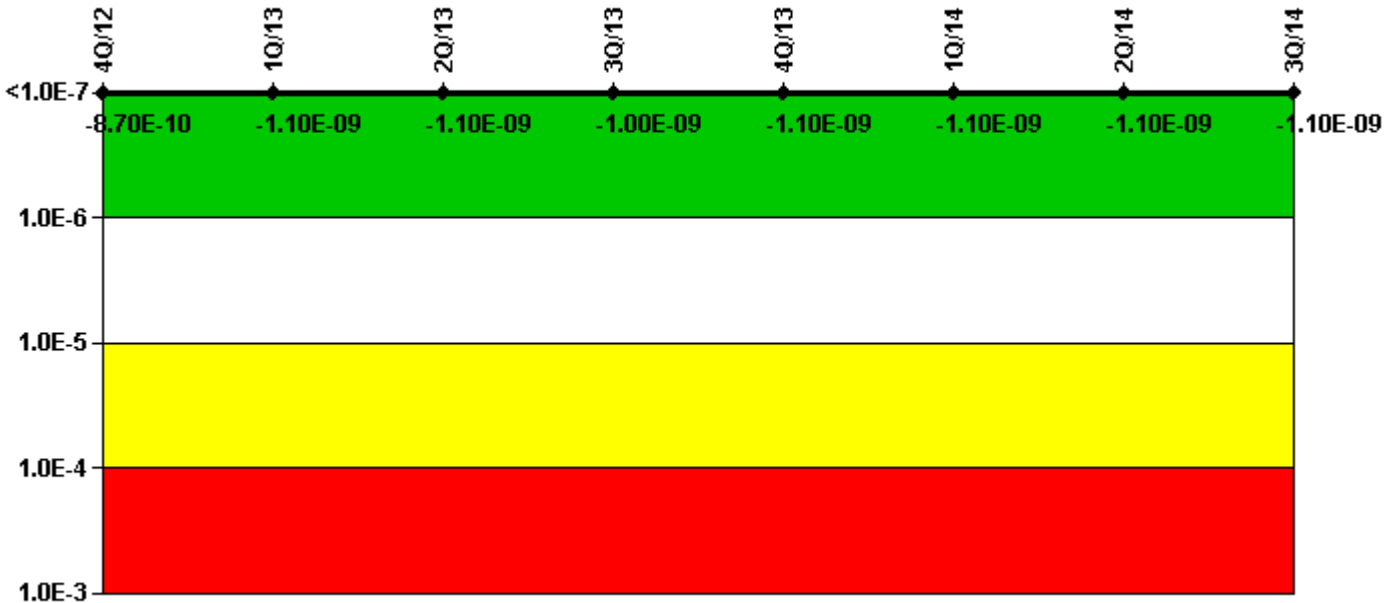
Mitigating Systems Performance Index, Emergency AC Power System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	5.31E-09	-1.82E-10	9.22E-09	1.18E-09	2.38E-08	2.72E-08	2.58E-08	1.52E-08
URI (Δ CDF)	-4.07E-07	-2.84E-07	-1.58E-07	-1.56E-07	-3.00E-08	-2.64E-08	-1.40E-08	-9.91E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-07	-2.80E-07	-1.50E-07	-1.60E-07	-6.20E-09	8.40E-10	1.20E-08	5.30E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

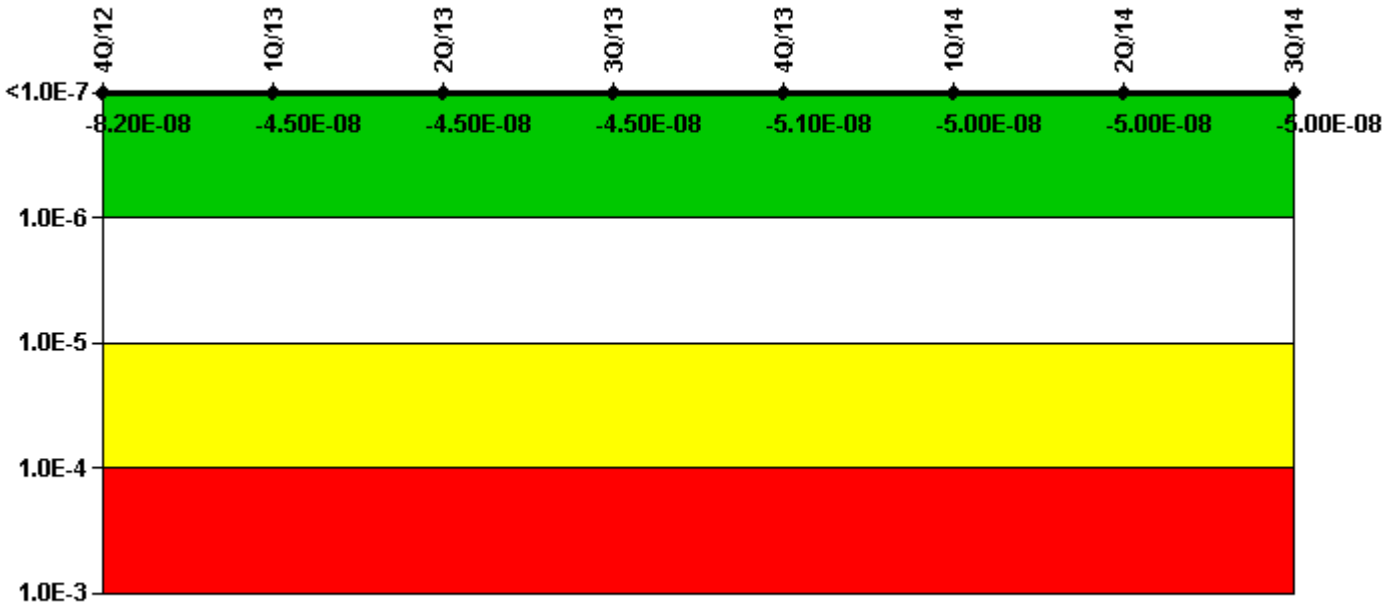
Mitigating Systems Performance Index, High Pressure Injection System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	5.15E-10	4.00E-11	4.45E-11	8.61E-11	5.77E-11	3.94E-11	2.91E-11	6.69E-11
URI (Δ CDF)	-1.39E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.70E-10	-1.10E-09	-1.10E-09	-1.00E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.10E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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

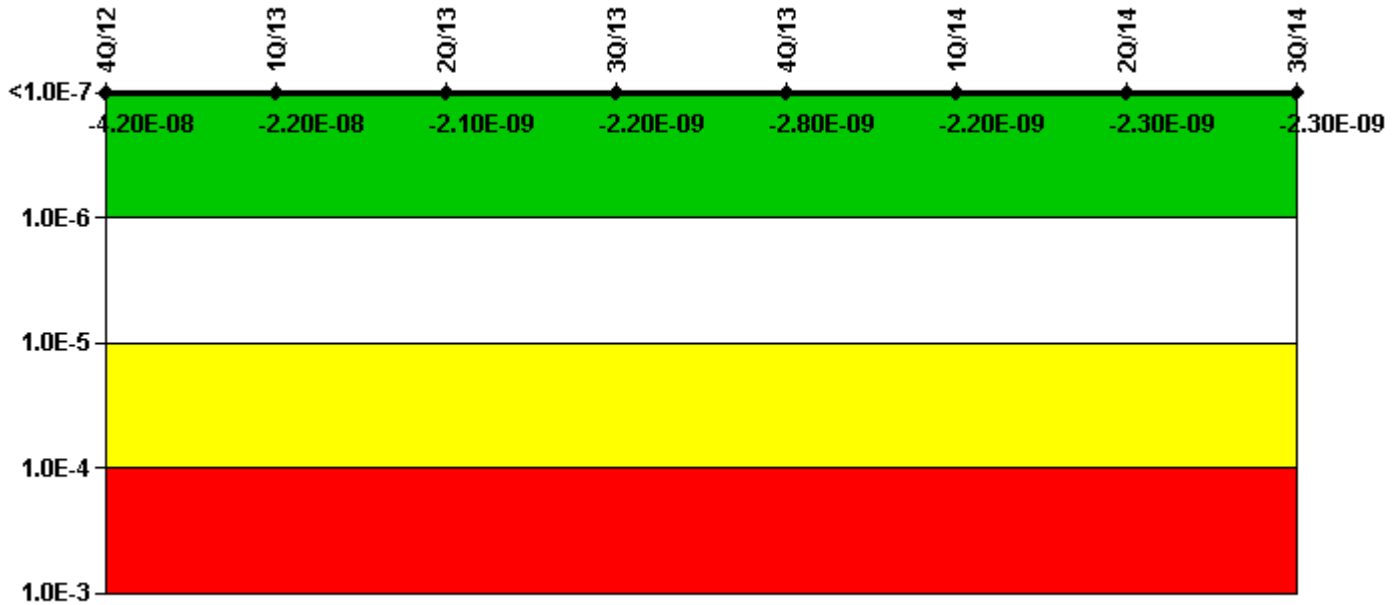
Mitigating Systems Performance Index, Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	2.13E-09	4.73E-09	4.81E-09	4.83E-09	-7.78E-10	-2.90E-10	-2.90E-10	-2.90E-10
URI (Δ CDF)	-8.37E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.20E-08	-4.50E-08	-4.50E-08	-4.50E-08	-5.10E-08	-5.00E-08	-5.00E-08	-5.00E-08

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	-5.94E-09	-5.60E-09	1.44E-08	1.44E-08	1.38E-08	1.44E-08	1.44E-08	1.44E-08
URI (Δ CDF)	-3.64E-08	-1.64E-08	-1.65E-08	-1.66E-08	-1.66E-08	-1.67E-08	-1.67E-08	-1.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-2.20E-08	-2.10E-09	-2.20E-09	-2.80E-09	-2.20E-09	-2.30E-09	-2.30E-09

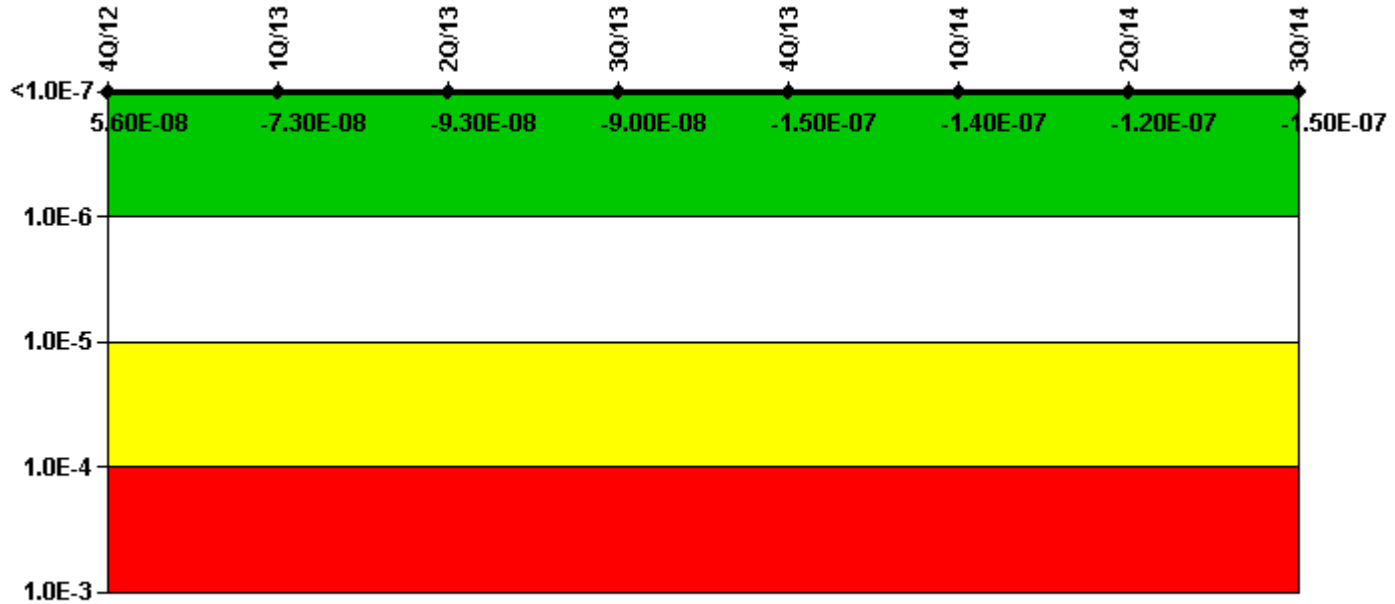
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due

to low Birnbaum values.

1Q/13: 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	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	8.27E-08	-2.08E-08	-4.07E-08	-3.79E-08	-1.01E-07	-8.72E-08	-6.45E-08	-1.00E-07
URI (Δ CDF)	-2.70E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.60E-08	-7.30E-08	-9.30E-08	-9.00E-08	-1.50E-07	-1.40E-07	-1.20E-07	-1.50E-07

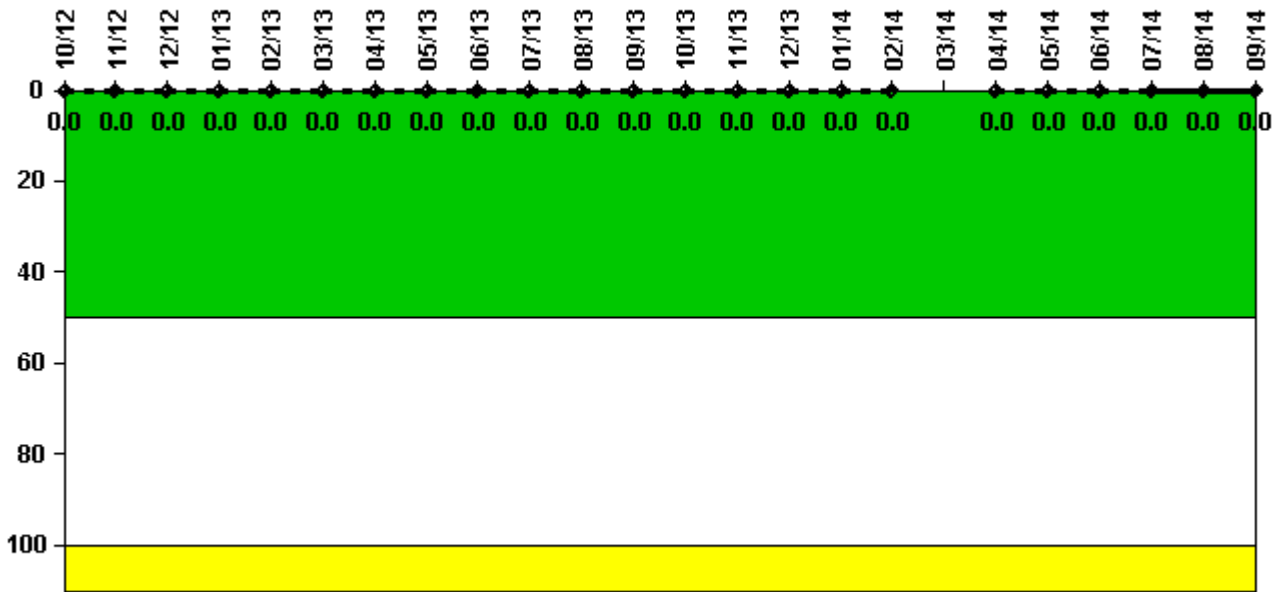
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains

and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

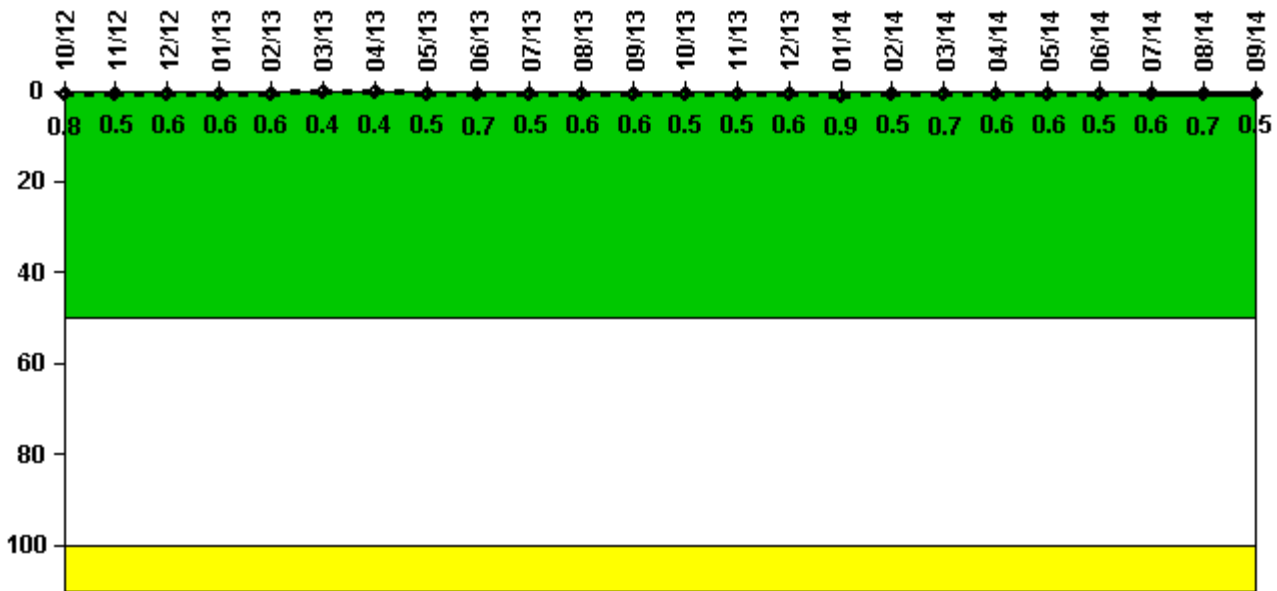
Notes

Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000062	0.000059	0.000062	0.000065	0.000064	0.000068	0.000073	0.000070	0.000105	0.000117	0.000066	0.000075
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
Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.000075	0.000080	0.000081	0.000081	0.000045	N/A	0.000030	0.000045	0.000047	0.000047	0.000038	0.000044
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	1.0
Indicator value	0	0	0	0	0	N/A	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



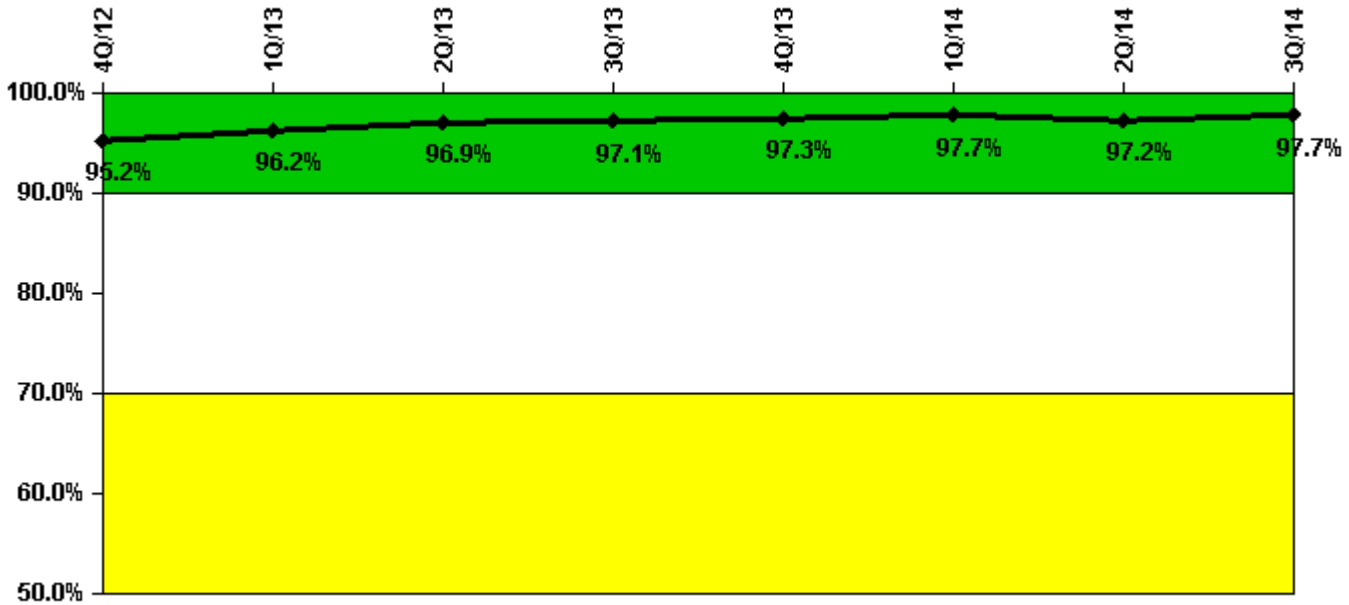
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.075	0.049	0.055	0.061	0.056	0.041	0.040	0.050	0.070	0.049	0.055	0.061
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	0.5	0.6	0.6	0.6	0.4	0.4	0.5	0.7	0.5	0.6	0.6
Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.052	0.050	0.061	0.091	0.051	0.066	0.064	0.059	0.049	0.060	0.066	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	0.5	0.5	0.6	0.9	0.5	0.7	0.6	0.6	0.5	0.6	0.7	0.5

Licensee Comments: none

Drill/Exercise Performance



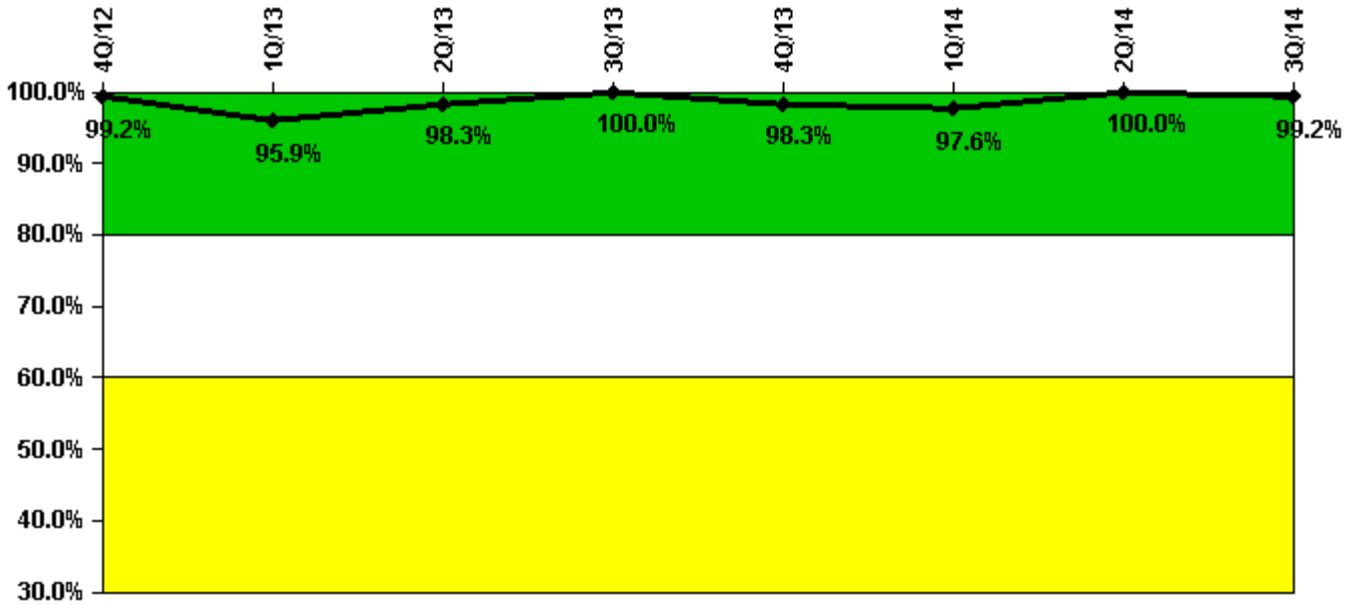
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	22.0	8.0	37.0	29.0	42.0	19.0	64.0	33.0
Total opportunities	25.0	8.0	37.0	29.0	42.0	19.0	67.0	33.0
Indicator value	95.2%	96.2%	96.9%	97.1%	97.3%	97.7%	97.2%	97.7%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

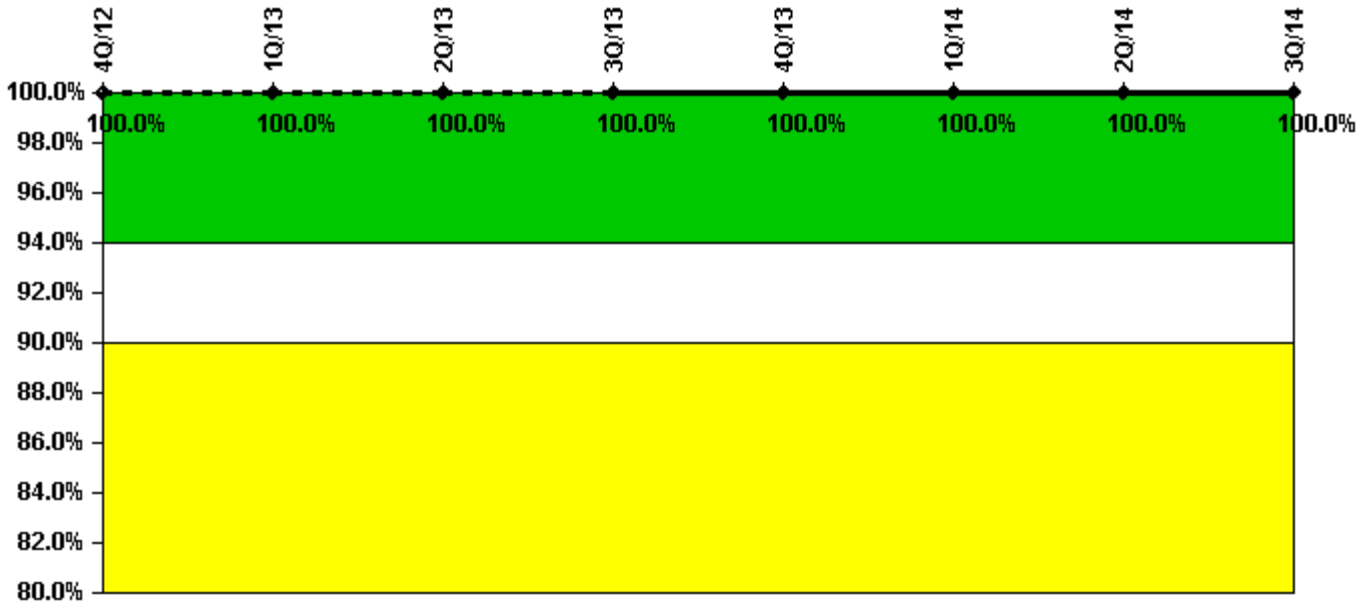
Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	119.0	117.0	119.0	115.0	118.0	120.0	117.0	120.0
Total Key personnel	120.0	122.0	121.0	115.0	120.0	123.0	117.0	121.0
Indicator value	99.2%	95.9%	98.3%	100.0%	98.3%	97.6%	100.0%	99.2%

Licensee Comments:

3Q/13: Total Key ERO personnel adjusted due to mis-calculation.

Alert & Notification System



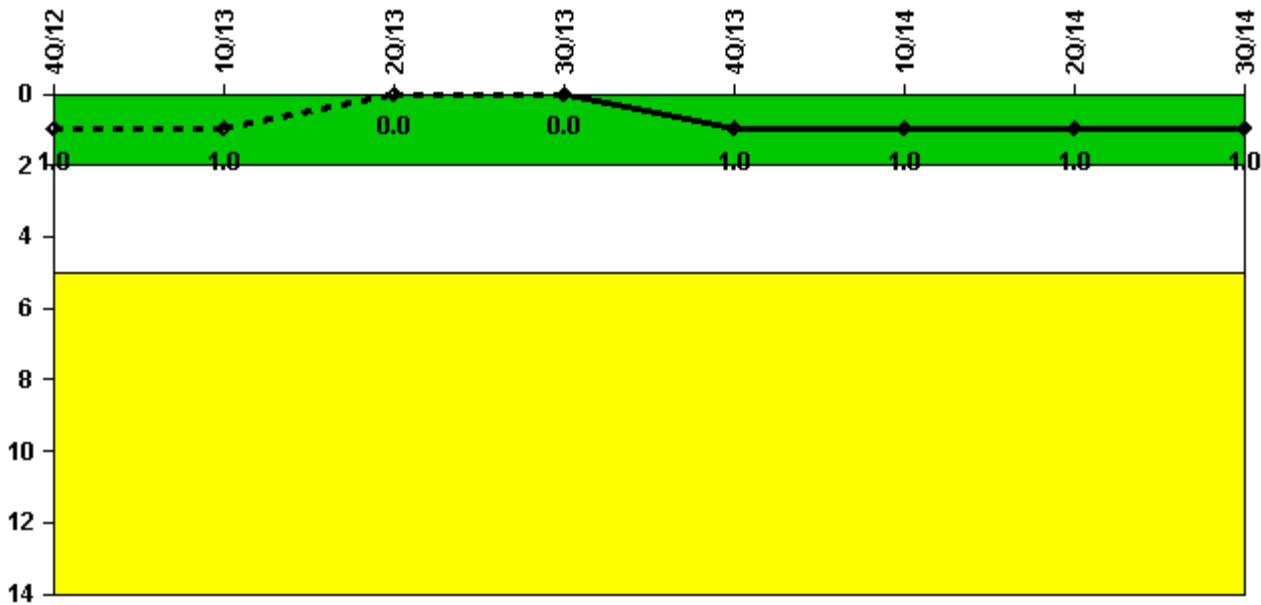
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	917	1046	917	1310	1048	917	917	1310
Total sirens-tests	917	1047	917	1310	1048	917	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

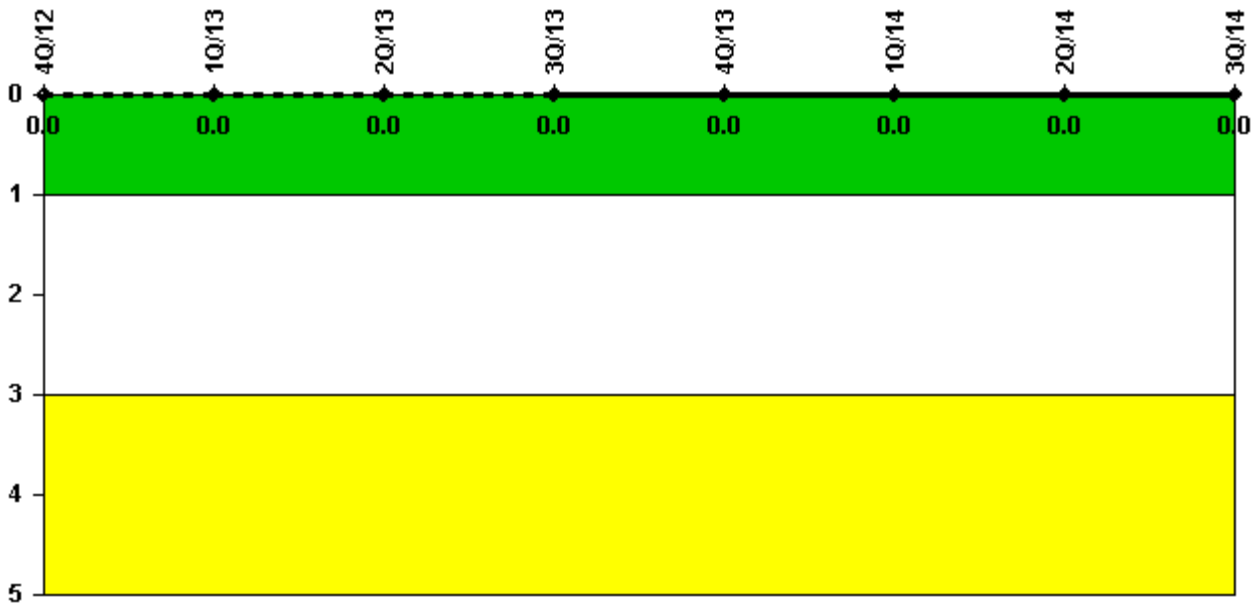
Occupational Exposure Control Effectiveness	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
High radiation area occurrences	0	0	0	0	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	1	1	0	0	1	1	1	1

Licensee Comments:

1Q/13: 50538483 identified a potential access path through a pipe chase between the Letdown Orifice Room and the Regenerative Heat Exchanger room. This was later determined to not be a violation of DCPD Technical Specification 5.7.2. Retracted

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/12: Data approved by manager T. Irving. Approval checked by M. Richardson per request of T. Irving due to technical issues.

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: November 3, 2014

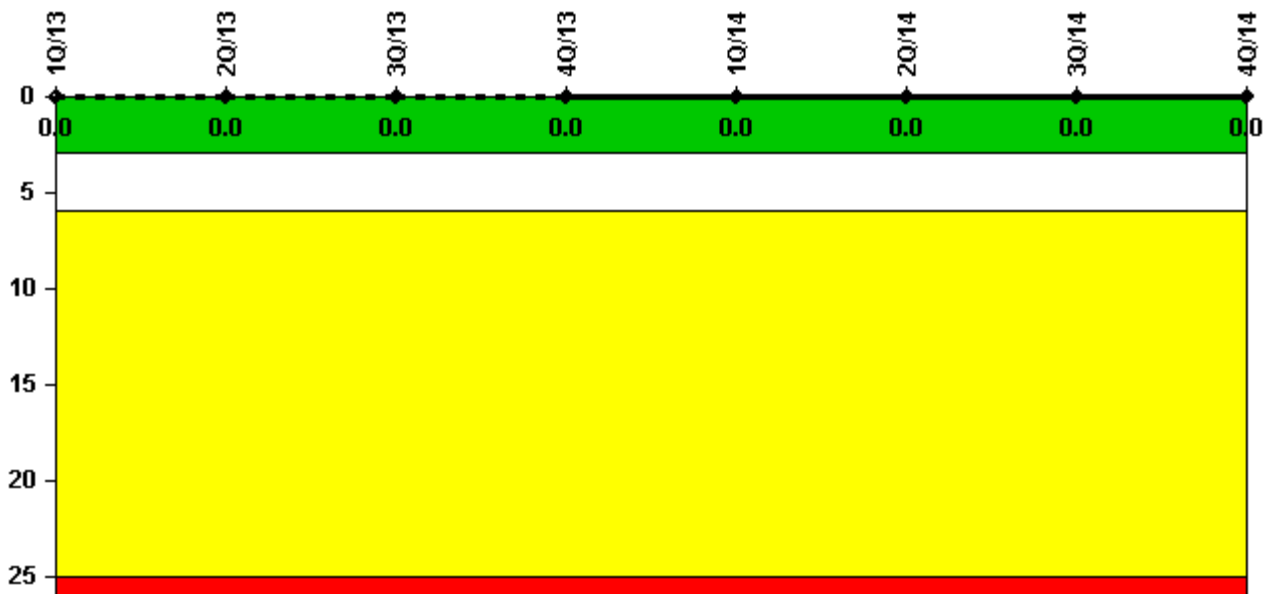
Diablo Canyon 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

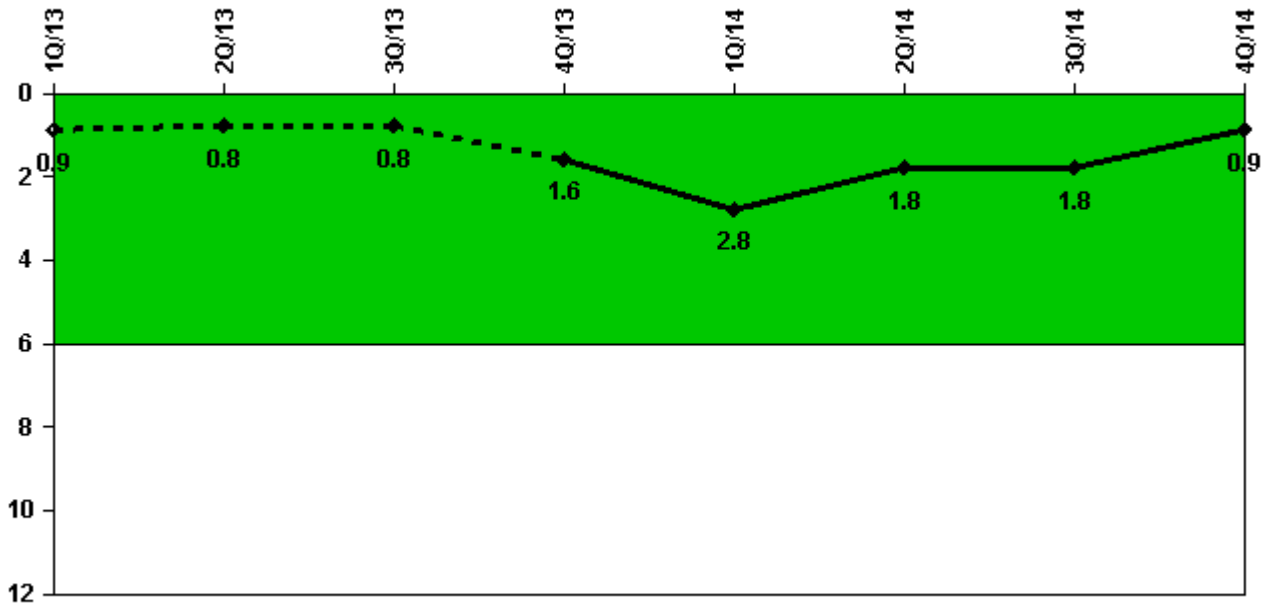
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2067.9	2183.5	2209.0	1166.1	2184.0	2208.0	2190.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	1.0	0	1.0	1.0	0	0	0
Critical hours	2159.0	2067.9	2183.5	2209.0	1166.1	2184.0	2208.0	2190.0
Indicator value	0.9	0.8	0.8	1.6	2.8	1.8	1.8	0.9

Licensee Comments:

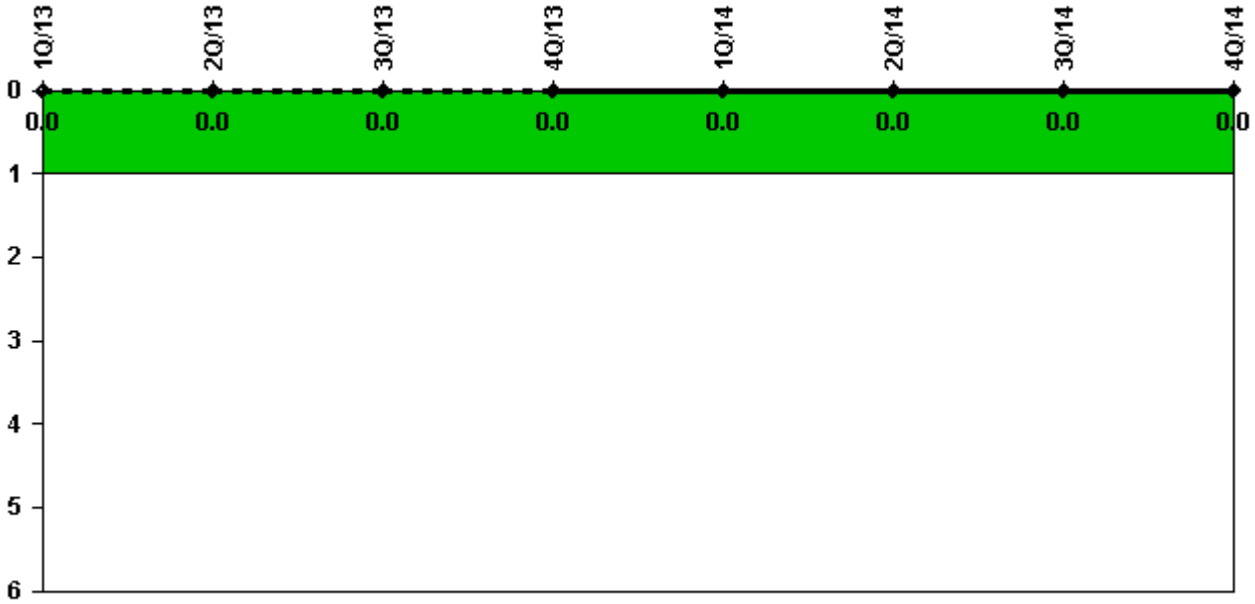
1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

2Q/13: DCPD Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Unplanned Scrams with Complications



Thresholds: White > 1.0

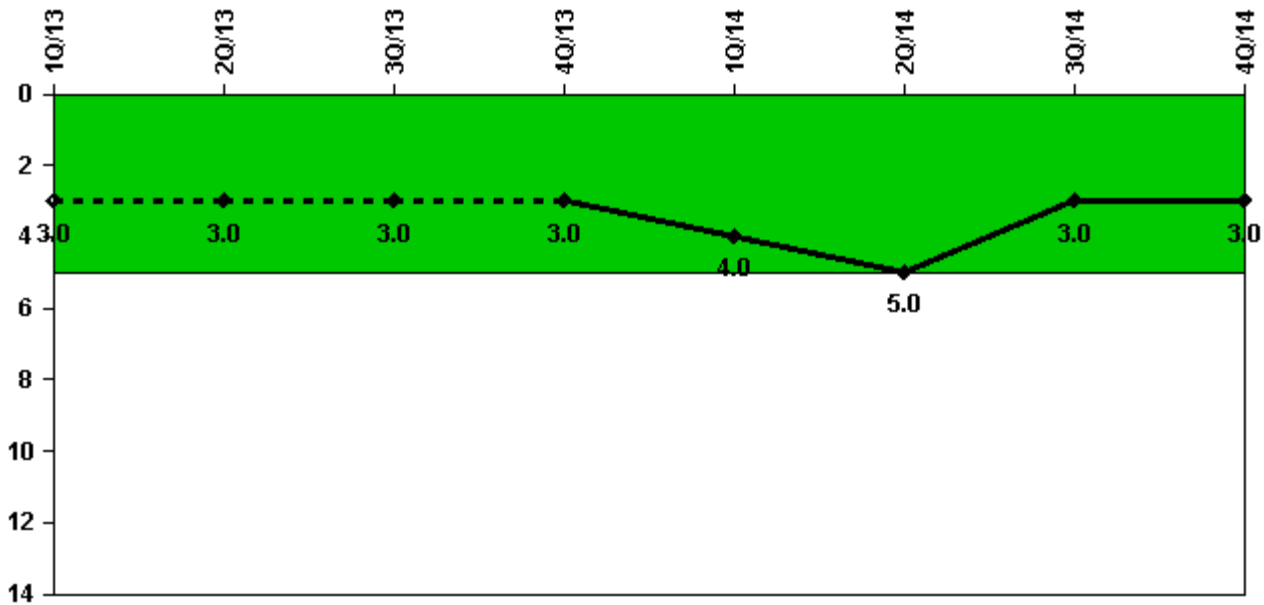
Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
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:

1Q/13: Unit 1 operated at approximately 100 percent power for the first quarter of 2013. There were no initiating events.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Safety System Functional Failures	1	0	2	0	2	1	0	0
Indicator value	3	3	3	3	4	5	3	3

Licensee Comments:

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

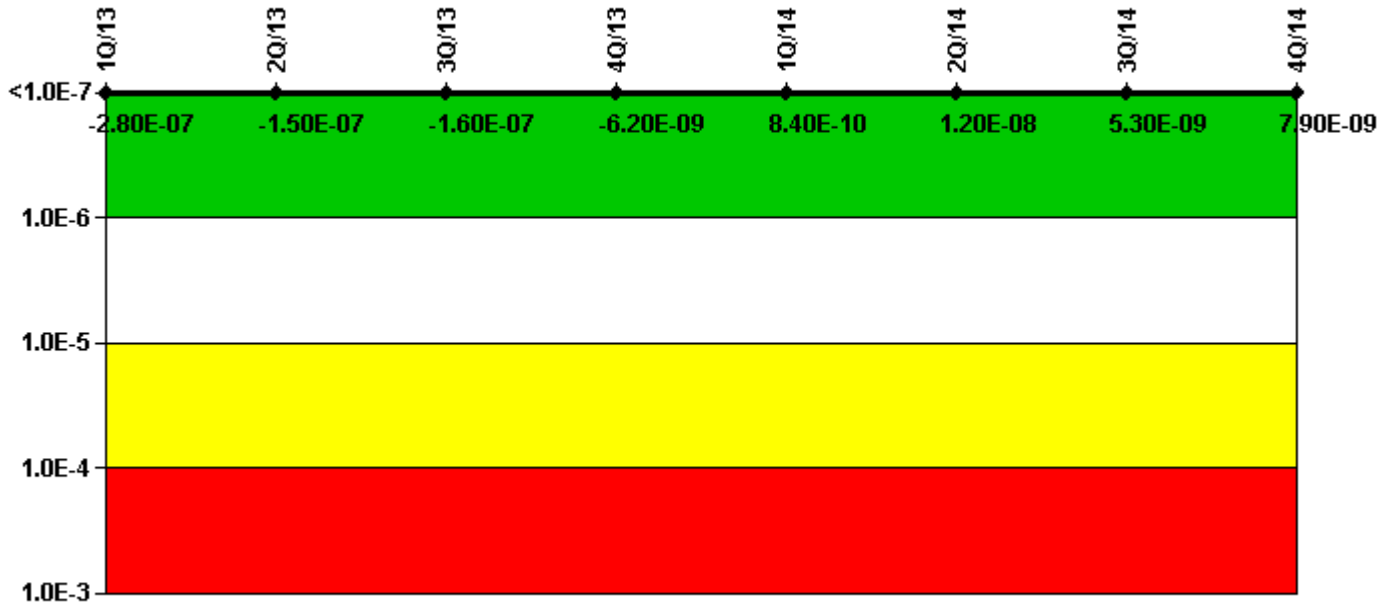
1Q/14: DCPD submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system. See LER 1-2012-008-00. (LER # added to comment field 6-13-13)

1Q/13: Unit 1 recorded 1 safety system functional failure for the first quarter of 2013. DCL-13-005 reported that inadequate design controls resulted in loss of the control room ventilation system.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

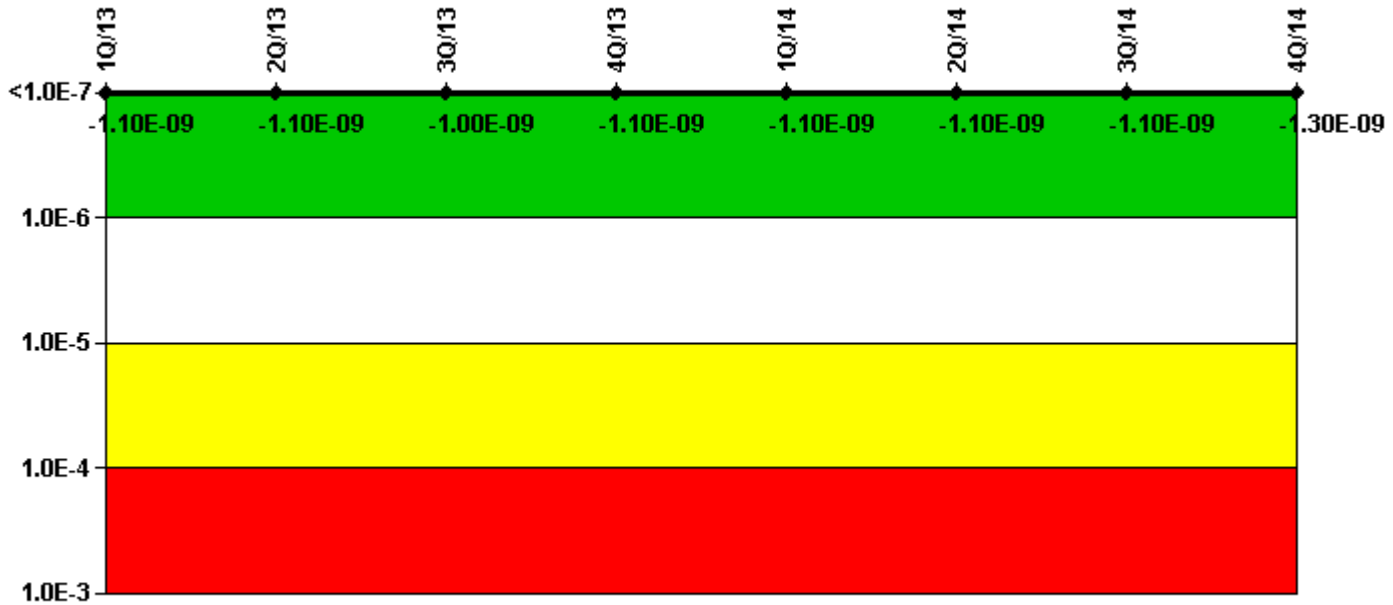
Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-1.82E-10	9.22E-09	1.18E-09	2.38E-08	2.72E-08	2.58E-08	1.52E-08	1.65E-08
URI (Δ CDF)	-2.84E-07	-1.58E-07	-1.56E-07	-3.00E-08	-2.64E-08	-1.40E-08	-9.91E-09	-8.59E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-07	-1.50E-07	-1.60E-07	-6.20E-09	8.40E-10	1.20E-08	5.30E-09	7.90E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

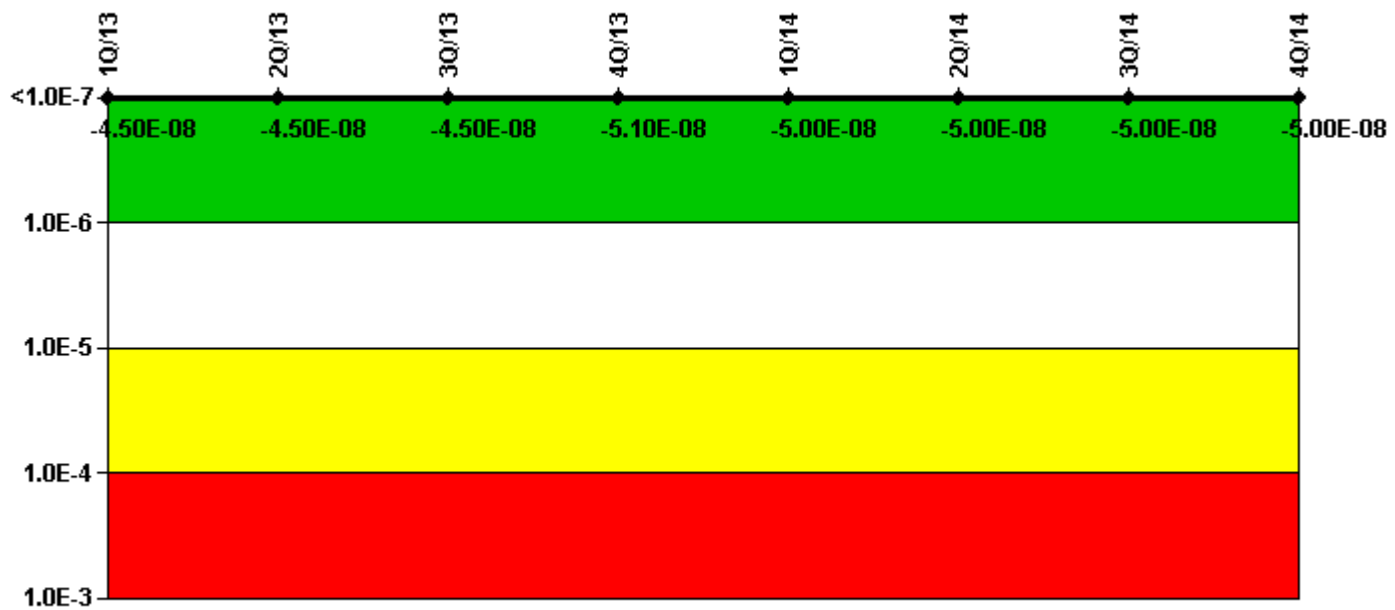
Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	4.00E-11	4.45E-11	8.61E-11	5.77E-11	3.94E-11	2.91E-11	6.69E-11	-1.42E-10
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-09	-1.10E-09	-1.00E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.30E-09

Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	4.73E-09	4.81E-09	4.83E-09	-7.78E-10	-2.90E-10	-2.90E-10	-2.90E-10	-2.80E-10
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-08	-4.50E-08	-4.50E-08	-5.10E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08

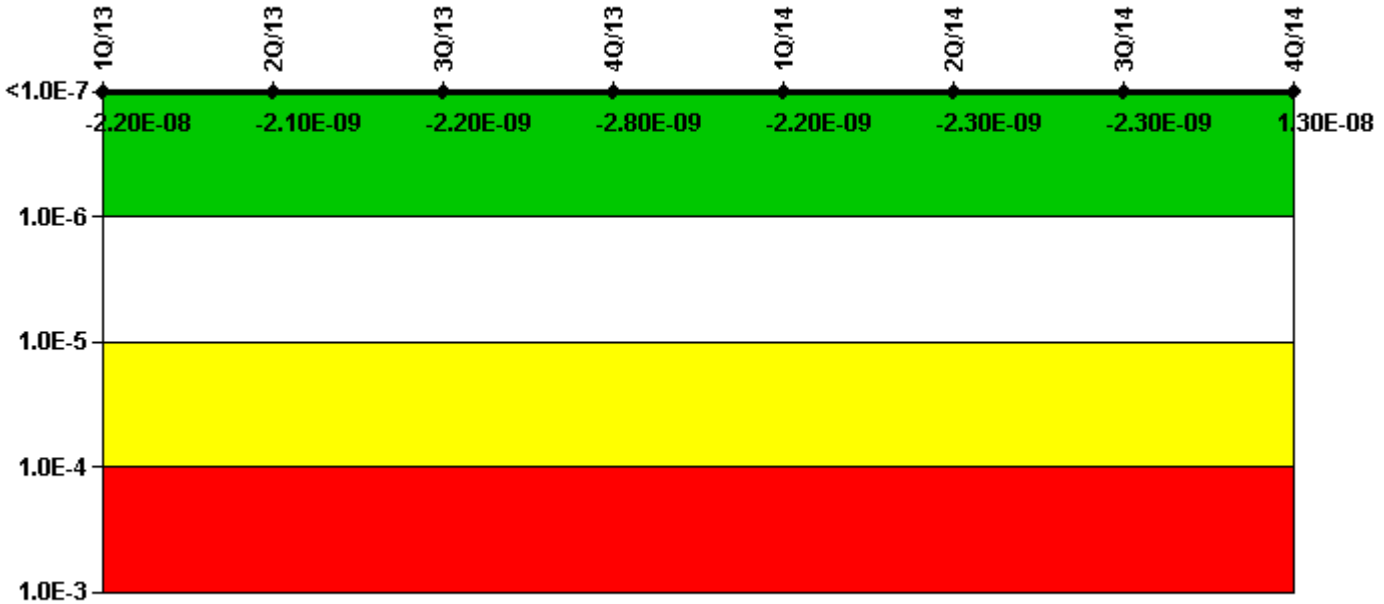
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control valves scoped into the Residual Heat Removal system which were previously screened out due

to low Birnbaum values.

1Q/13: 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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	-5.60E-09	1.44E-08	1.44E-08	1.38E-08	1.44E-08	1.44E-08	1.44E-08	2.94E-08
URI (ΔCDF)	-1.64E-08	-1.65E-08	-1.66E-08	-1.66E-08	-1.67E-08	-1.67E-08	-1.68E-08	-1.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-08	-2.10E-09	-2.20E-09	-2.80E-09	-2.20E-09	-2.30E-09	-2.30E-09	1.30E-08

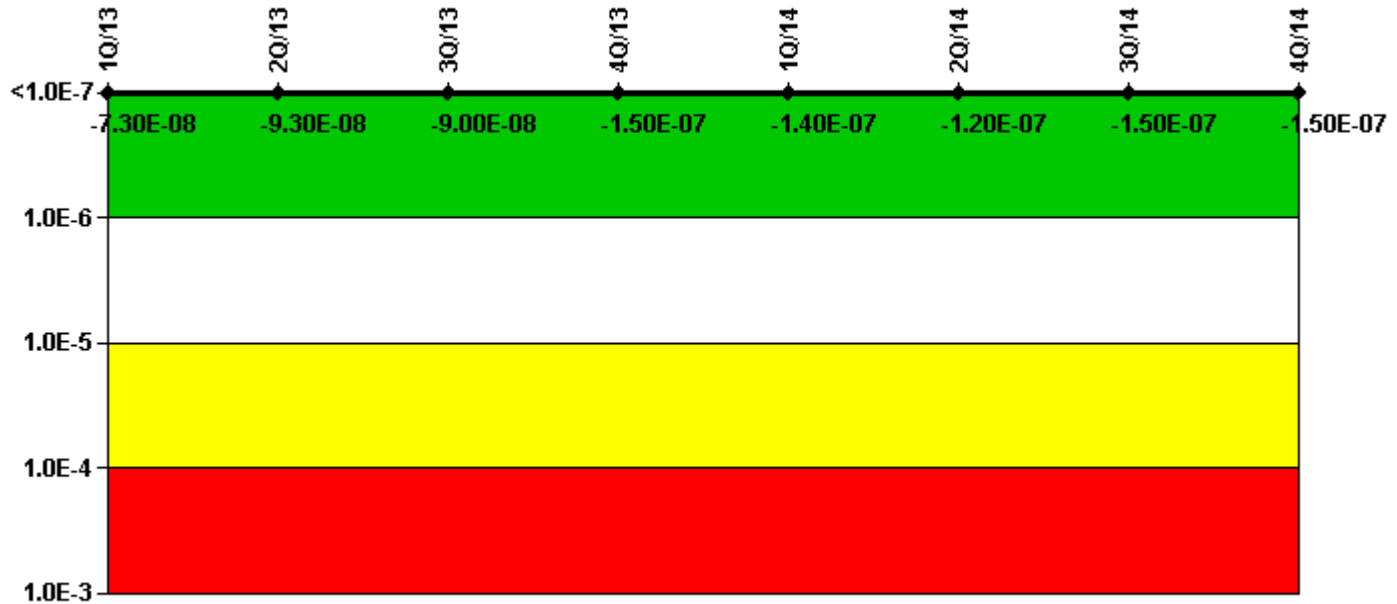
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussell-Vessely and basic event probabilities for all monitored trains

and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: 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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	-2.08E-08	-4.07E-08	-3.79E-08	-1.01E-07	-8.72E-08	-6.45E-08	-1.00E-07	-9.40E-08
URI (ΔCDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.30E-08	-9.30E-08	-9.00E-08	-1.50E-07	-1.40E-07	-1.20E-07	-1.50E-07	-1.50E-07

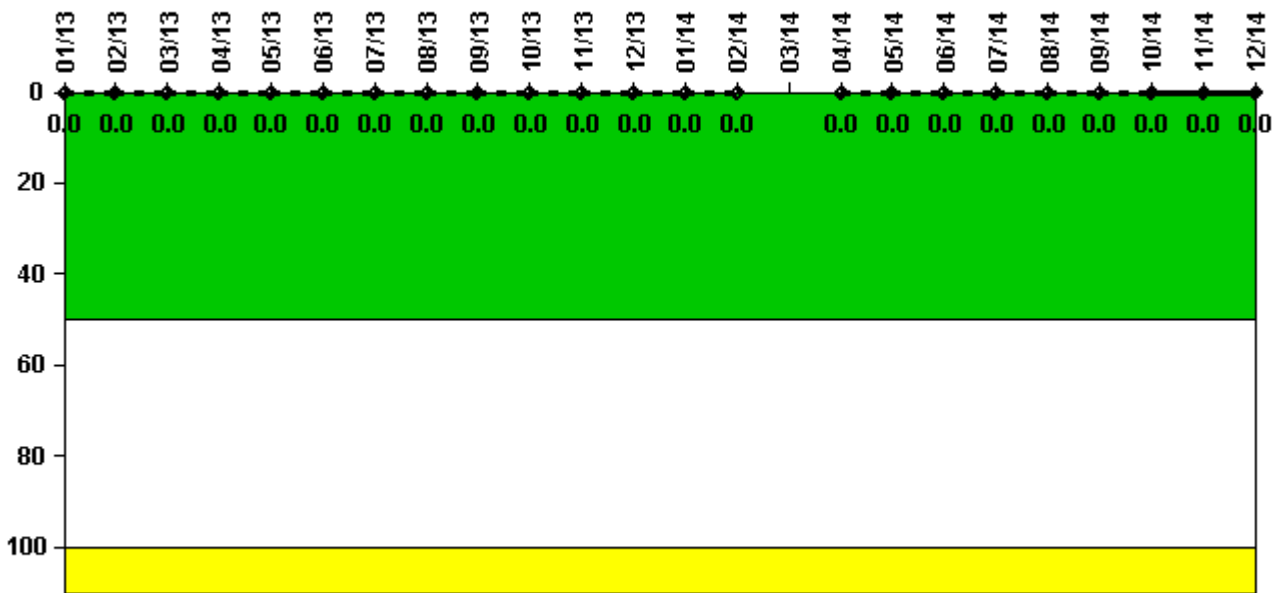
Licensee Comments:

1Q/13: Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC02 was approved on 11/23/2012. The Mitigating System Performance Index (MSPI) basis document revision 7A was approved on 4/18/2013 and contains the updated PRA parameters. The DC02 model revision is a periodic update that incorporates new

model data for initiating events, equipment failures probabilities and Human error probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely and basic event probabilities for all monitored trains and components were revised. The update also resulted in the addition of two monitored Component Cooling Water flow control vales scoped into the Residual Heat Removal system which were previously screened out due to low Birnbaum values.

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

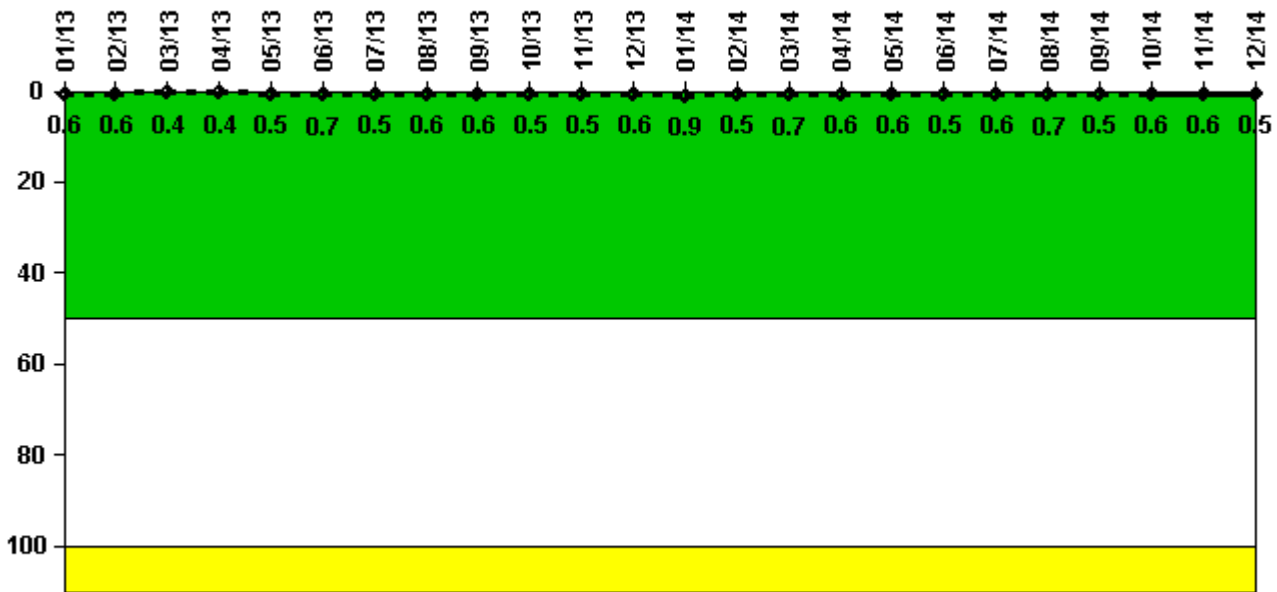
Notes

Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000065	0.000064	0.000068	0.000073	0.000070	0.000105	0.000117	0.000066	0.000075	0.000075	0.000080	0.000081
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
Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14

Maximum activity	0.000081	0.000045	N/A	0.000030	0.000045	0.000047	0.000047	0.000038	0.000044	0.000045	0.000067	0.000048
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	N/A	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



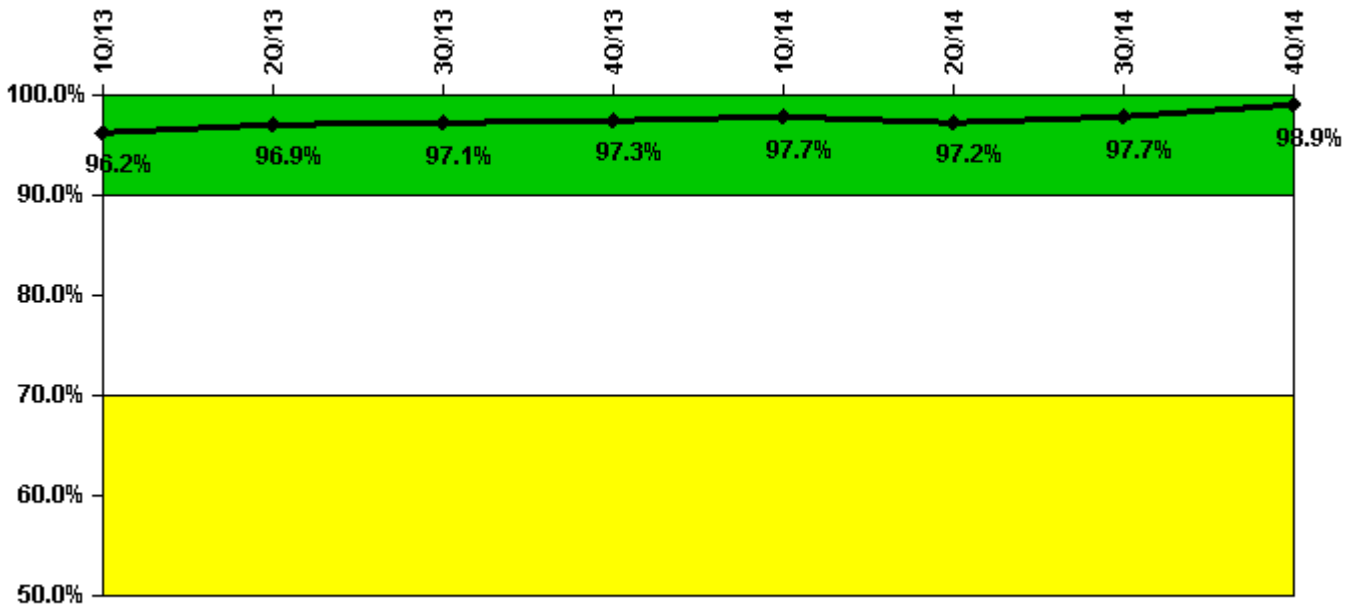
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.061	0.056	0.041	0.040	0.050	0.070	0.049	0.055	0.061	0.052	0.050	0.061
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	0.6	0.6	0.4	0.4	0.5	0.7	0.5	0.6	0.6	0.5	0.5	0.6
Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.091	0.051	0.066	0.064	0.059	0.049	0.060	0.066	0.051	0.056	0.058	0.054
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	0.9	0.5	0.7	0.6	0.6	0.5	0.6	0.7	0.5	0.6	0.6	0.5

Licensee Comments: none

Drill/Exercise Performance



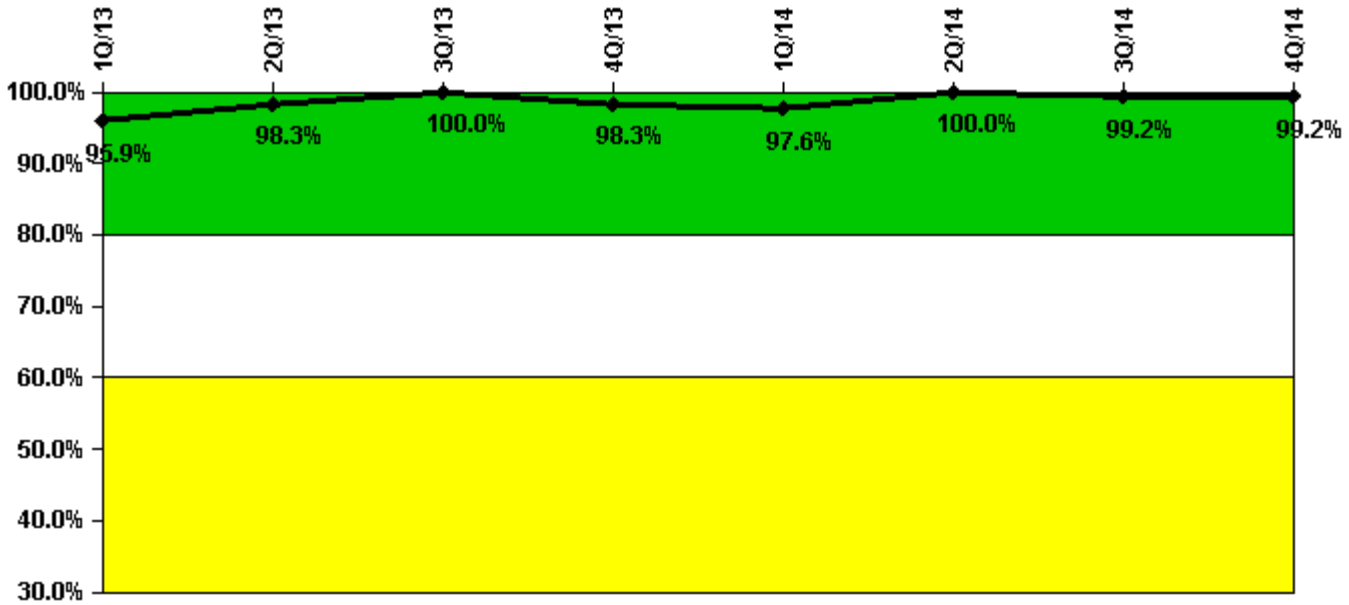
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	8.0	37.0	29.0	42.0	19.0	64.0	33.0	26.0
Total opportunities	8.0	37.0	29.0	42.0	19.0	67.0	33.0	26.0
Indicator value	96.2%	96.9%	97.1%	97.3%	97.7%	97.2%	97.7%	98.9%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

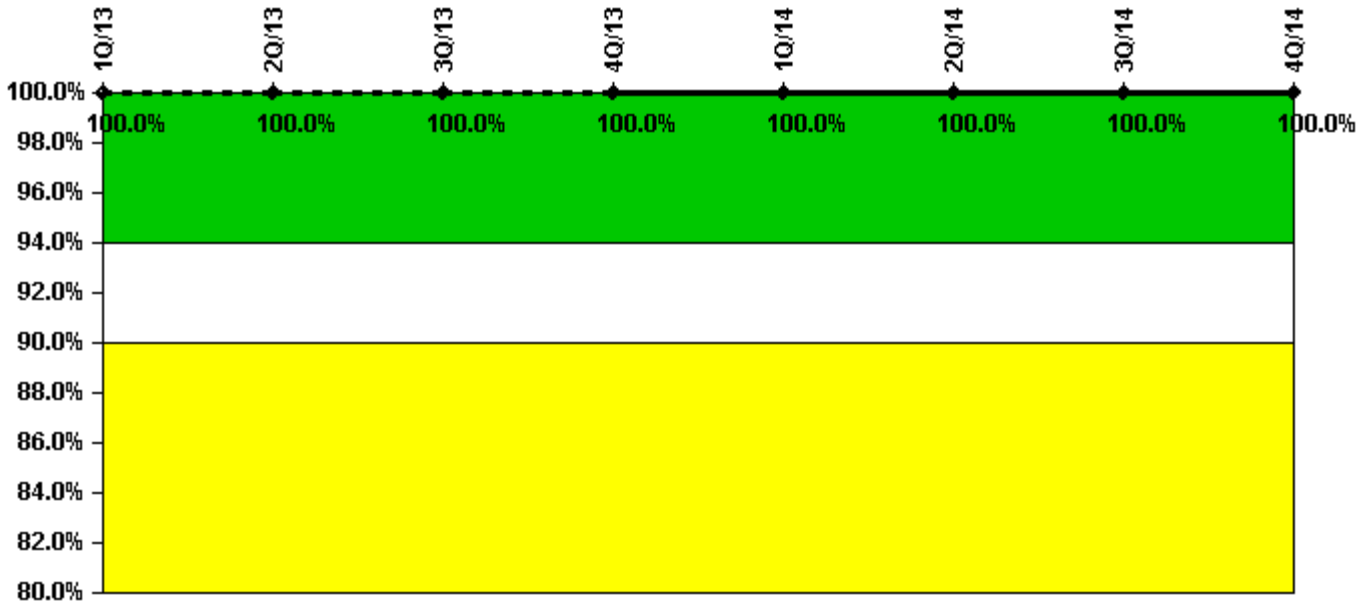
Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	117.0	119.0	115.0	118.0	120.0	117.0	120.0	118.0
Total Key personnel	122.0	121.0	115.0	120.0	123.0	117.0	121.0	119.0
Indicator value	95.9%	98.3%	100.0%	98.3%	97.6%	100.0%	99.2%	99.2%

Licensee Comments:

3Q/13: Total Key ERO personnel adjusted due to mis-calculation.

Alert & Notification System



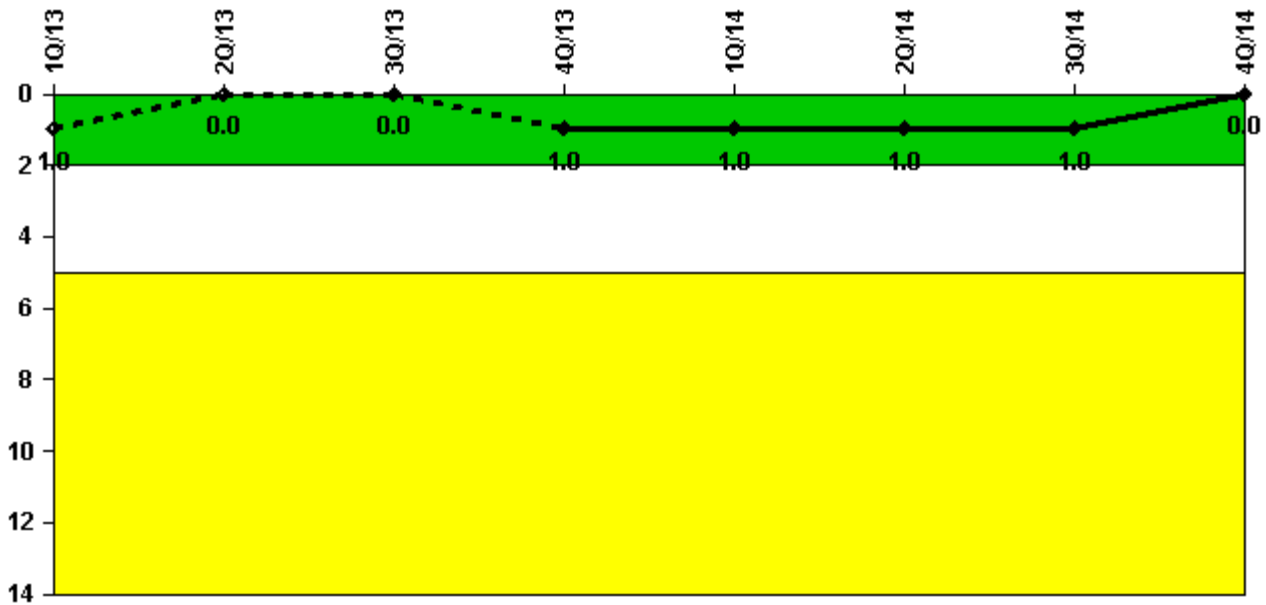
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	1046	917	1310	1048	917	917	1310	1048
Total sirens-tests	1047	917	1310	1048	917	917	1310	1048
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

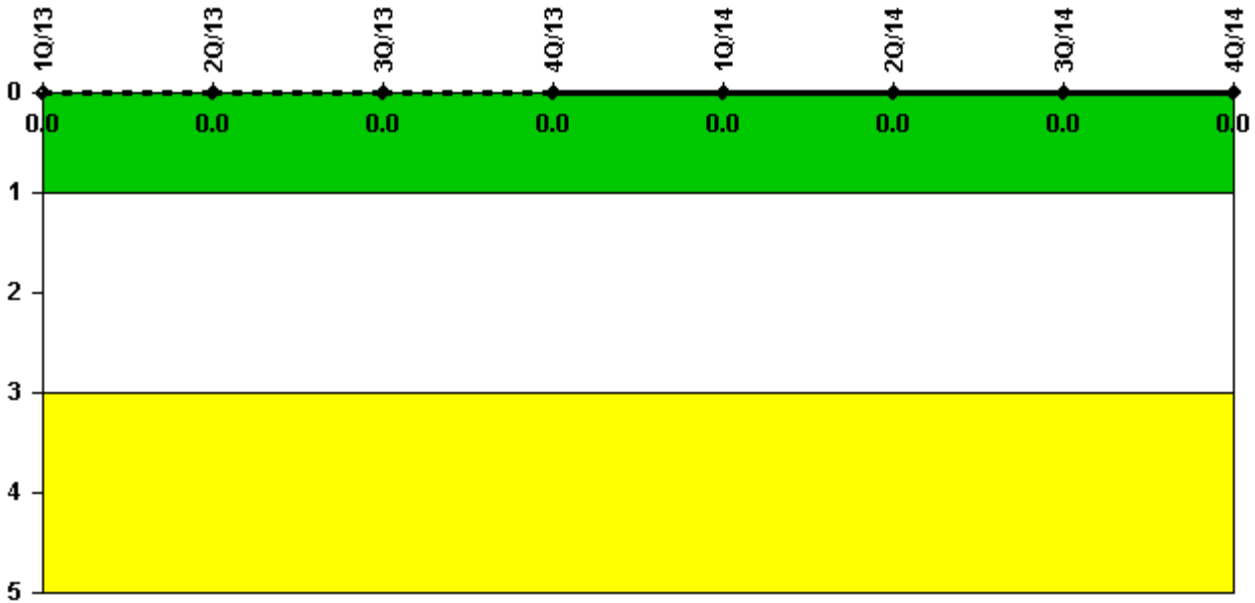
Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
High radiation area occurrences	0	0	0	1	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	1	0	0	1	1	1	1	0

Licensee Comments:

1Q/13: 50538483 identified a potential access path through a pipe chase between the Letdown Orifice Room and the Regenerative Heat Exchanger room. This was later determined to not be a violation of DCPD Technical Specification 5.7.2. Retracted

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
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: February 3, 2015

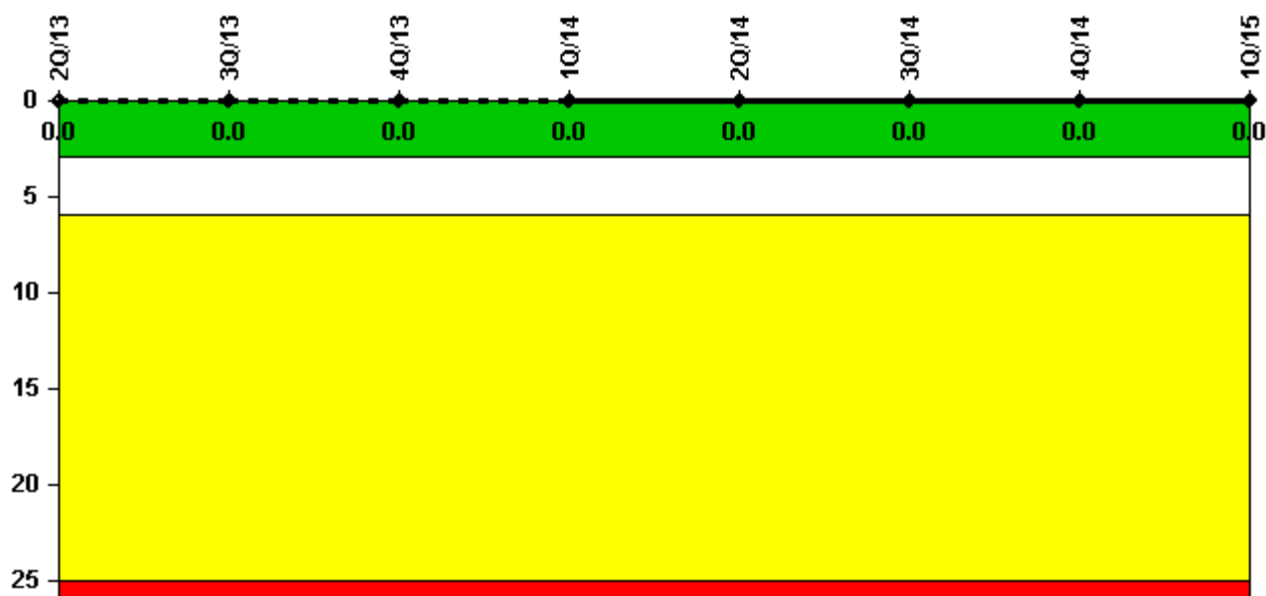
Diablo Canyon 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



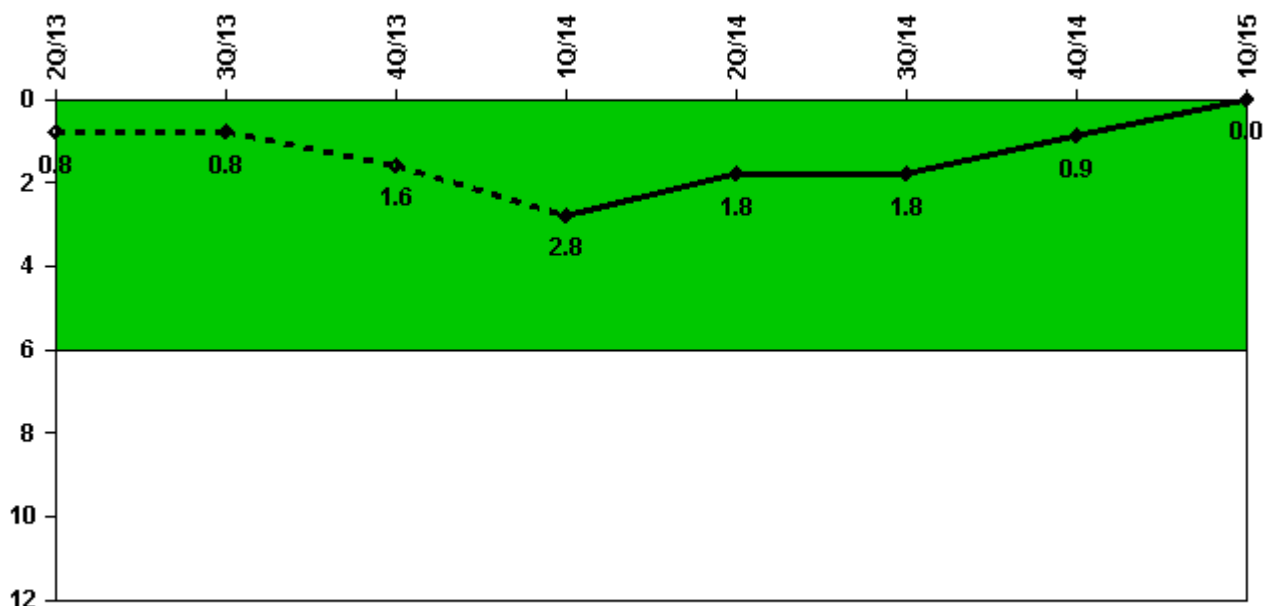
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2067.9	2183.5	2209.0	1166.1	2184.0	2208.0	2190.0	2081.4
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	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	1.0	0	1.0	1.0	0	0	0	0
Critical hours	2067.9	2183.5	2209.0	1166.1	2184.0	2208.0	2190.0	2081.4
Indicator value	0.8	0.8	1.6	2.8	1.8	1.8	0.9	0

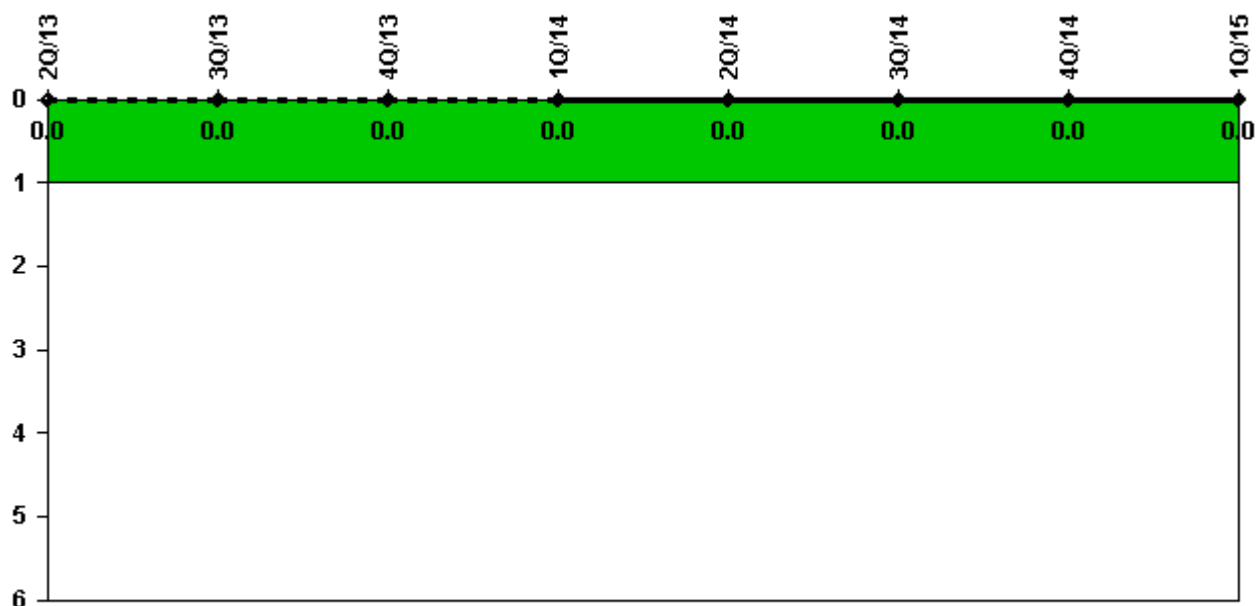
Licensee Comments:

1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

2Q/13: DCP Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

Unplanned Scrams with Complications



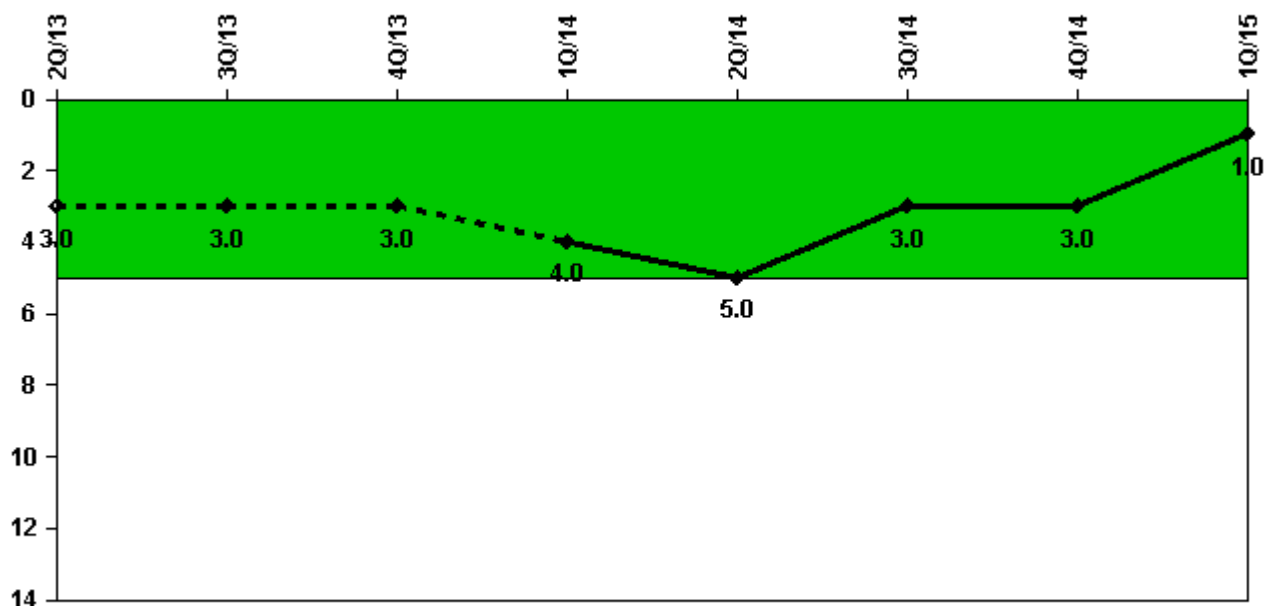
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	2	0	2	1	0	0	0
Indicator value	3	3	3	4	5	3	3	1

Licensee Comments:

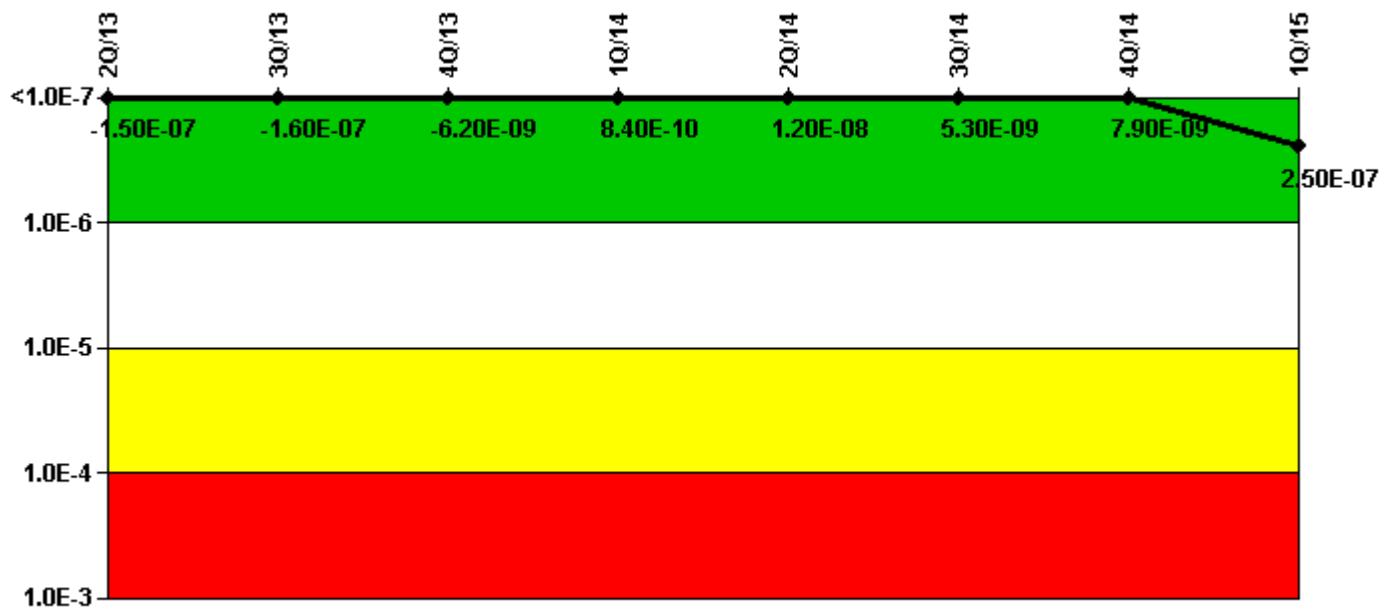
1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

1Q/14: DCPD submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System



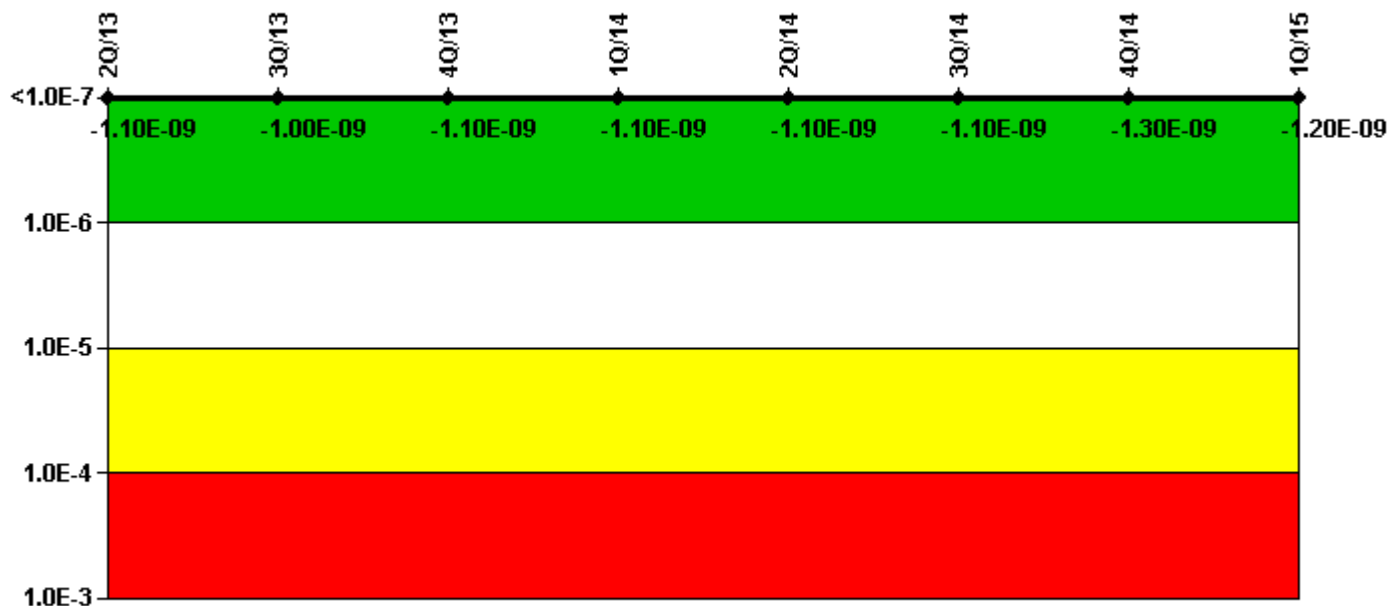
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	$9.22E-09$	$1.18E-09$	$2.38E-08$	$2.72E-08$	$2.58E-08$	$1.52E-08$	$1.65E-08$	$5.45E-09$
URI (Δ CDF)	$-1.58E-07$	$-1.56E-07$	$-3.00E-08$	$-2.64E-08$	$-1.40E-08$	$-9.91E-09$	$-8.59E-09$	$2.41E-07$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-1.50E-07$	$-1.60E-07$	$-6.20E-09$	$8.40E-10$	$1.20E-08$	$5.30E-09$	$7.90E-09$	$2.50E-07$

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



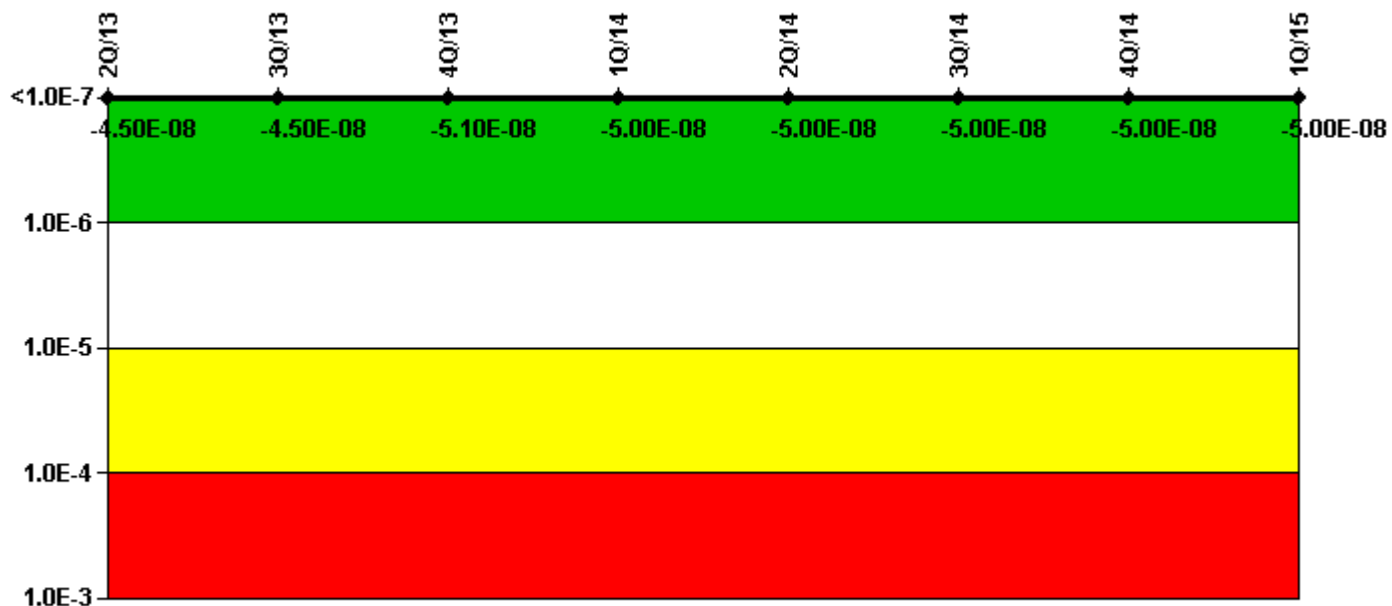
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	4.45E-11	8.61E-11	5.77E-11	3.94E-11	2.91E-11	6.69E-11	-1.42E-10	-4.03E-11
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-09	-1.00E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.30E-09	-1.20E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



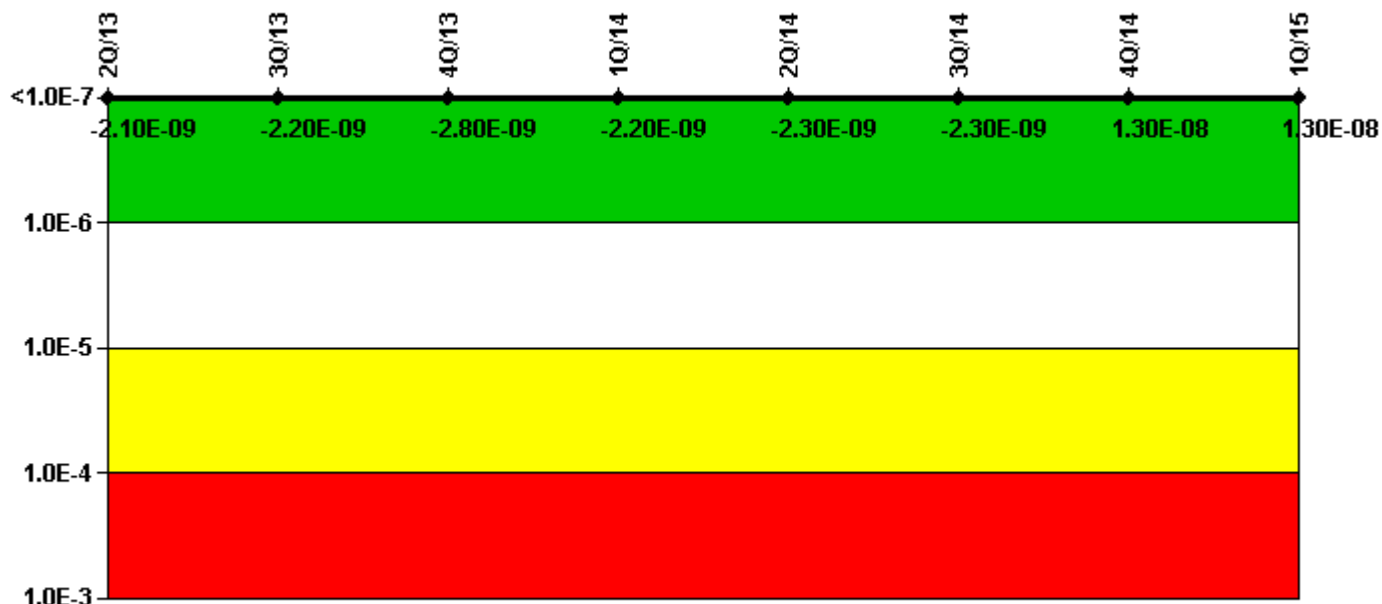
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	4.81E-09	4.83E-09	-7.78E-10	-2.90E-10	-2.90E-10	-2.90E-10	-2.80E-10	-2.28E-10
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-08	-4.50E-08	-5.10E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



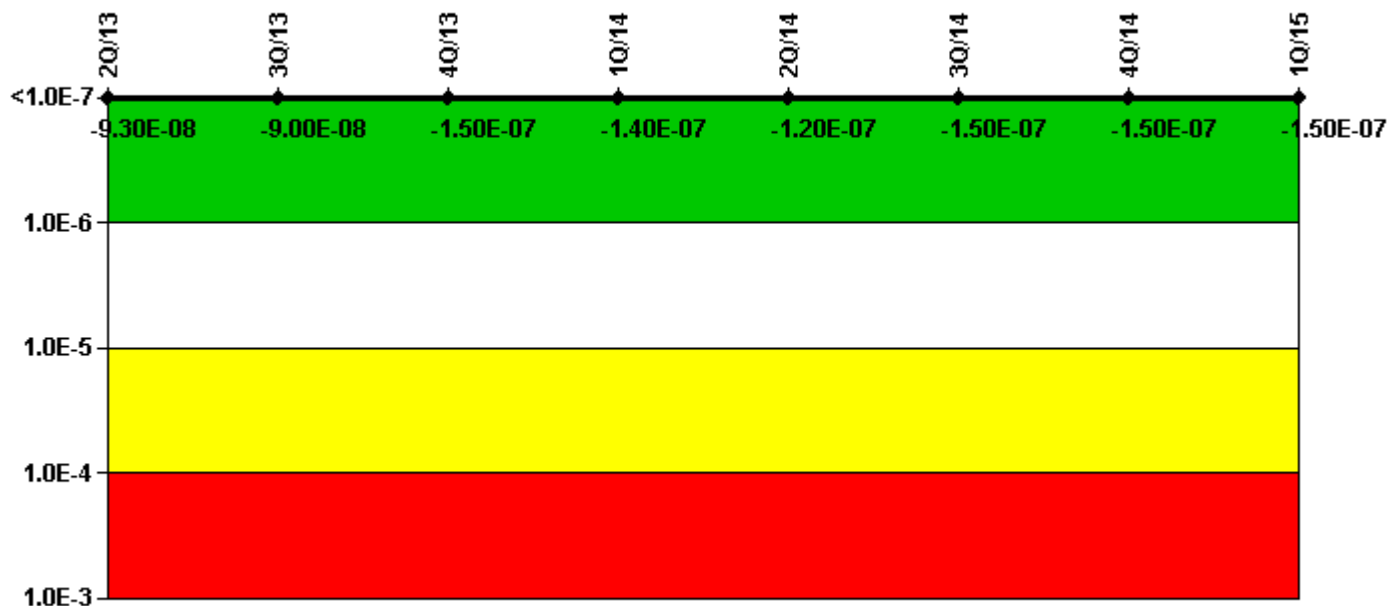
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	1.44E-08	1.44E-08	1.38E-08	1.44E-08	1.44E-08	1.44E-08	2.94E-08	2.95E-08
URI (ΔCDF)	-1.65E-08	-1.66E-08	-1.66E-08	-1.67E-08	-1.67E-08	-1.68E-08	-1.68E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-09	-2.20E-09	-2.80E-09	-2.20E-09	-2.30E-09	-2.30E-09	1.30E-08	1.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



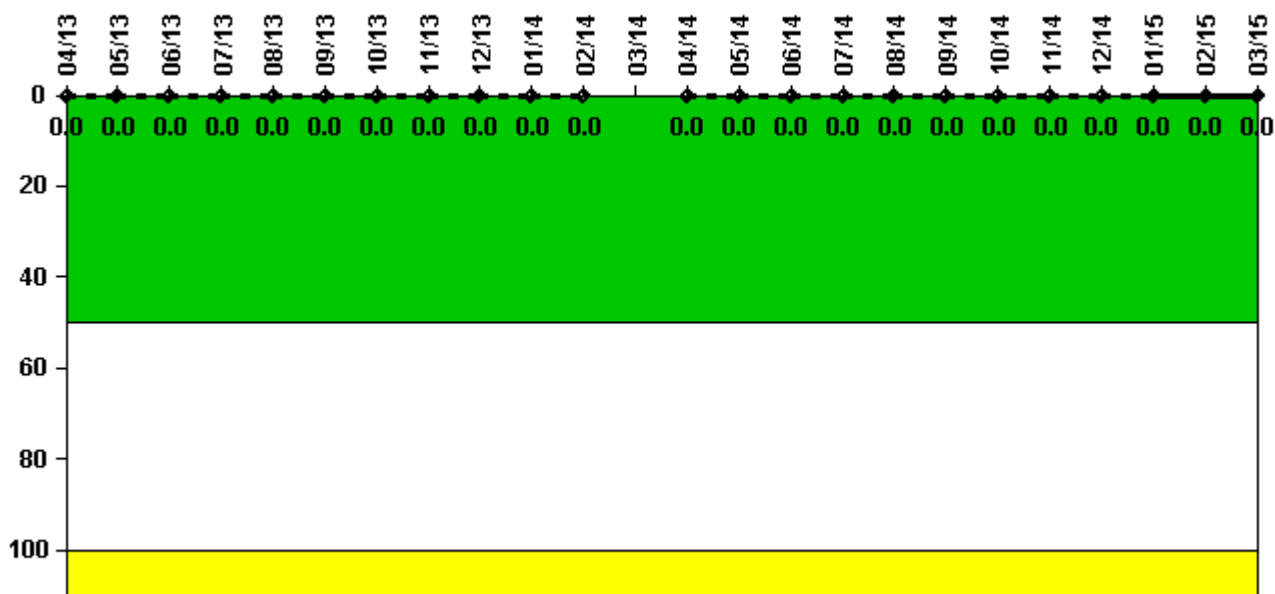
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	-4.07E-08	-3.79E-08	-1.01E-07	-8.72E-08	-6.45E-08	-1.00E-07	-9.40E-08	-1.02E-07
URI (Δ CDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.30E-08	-9.00E-08	-1.50E-07	-1.40E-07	-1.20E-07	-1.50E-07	-1.50E-07	-1.50E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

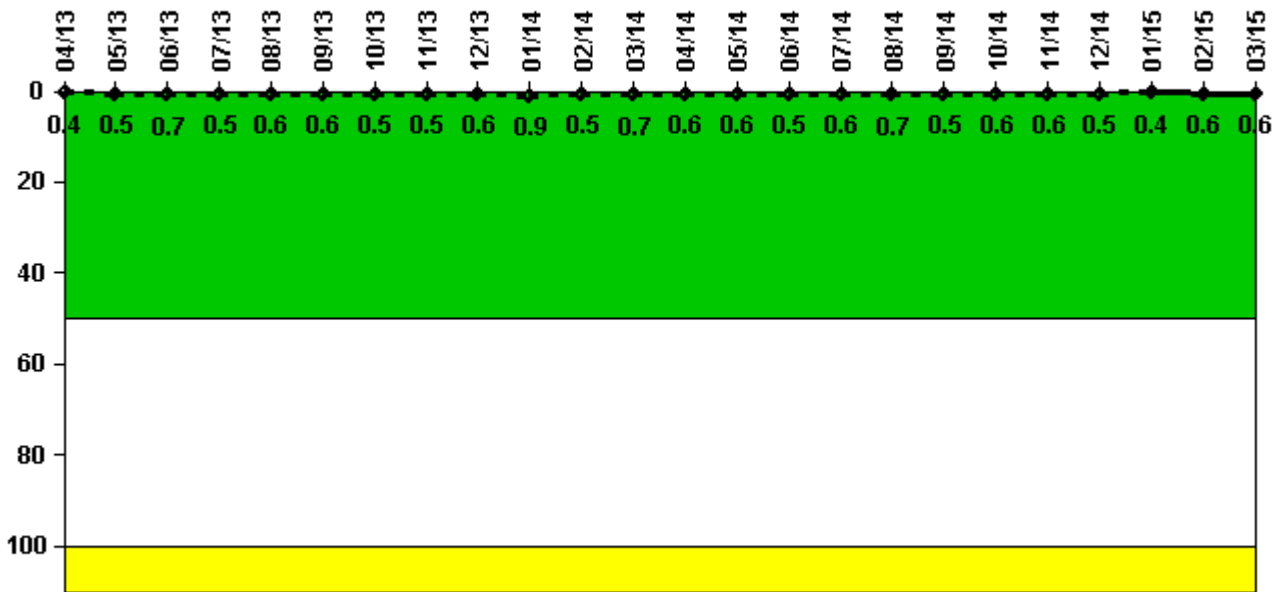
Notes

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000073	0.000070	0.000105	0.000117	0.000066	0.000075	0.000075	0.000080	0.000081	0.000081	0.000045	N/A
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	N/A

Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	0.000030	0.000045	0.000047	0.000047	0.000038	0.000044	0.000045	0.000067	0.000048	0.000048	0.000047	0.000062
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



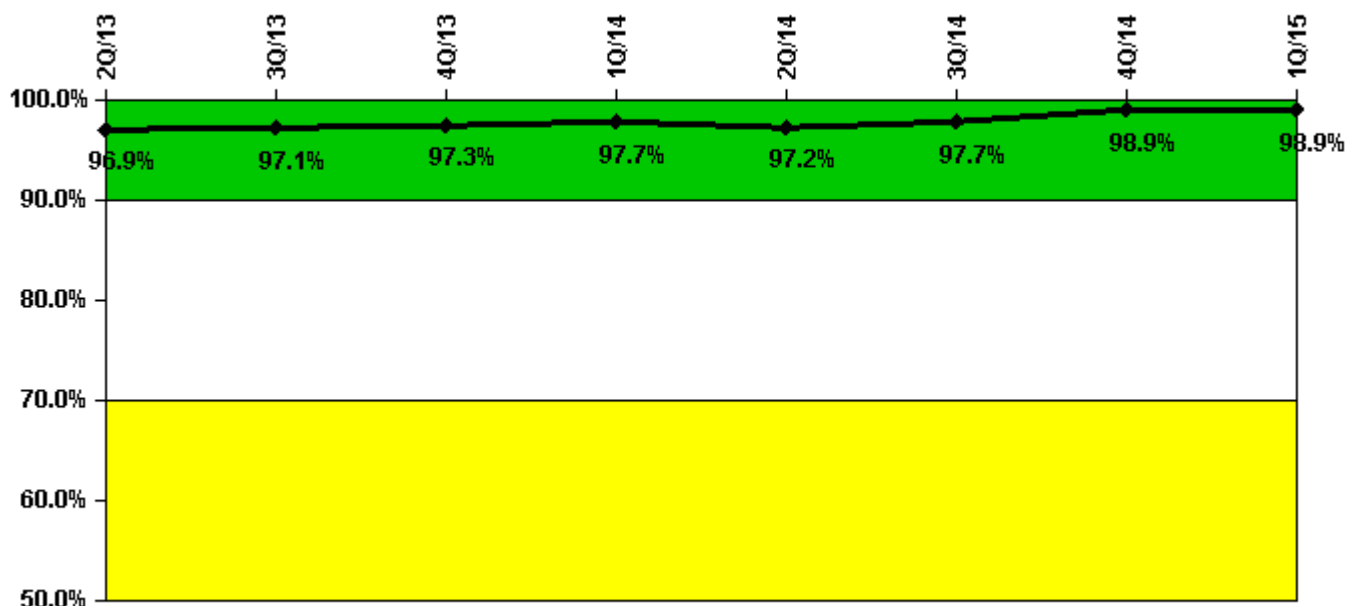
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.040	0.050	0.070	0.049	0.055	0.061	0.052	0.050	0.061	0.091	0.051	0.066
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	0.4	0.5	0.7	0.5	0.6	0.6	0.5	0.5	0.6	0.9	0.5	0.7
Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.064	0.059	0.049	0.060	0.066	0.051	0.056	0.058	0.054	0.041	0.064	0.057
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	0.6	0.6	0.5	0.6	0.7	0.5	0.6	0.6	0.5	0.4	0.6	0.6

Licensee Comments: none

Drill/Exercise Performance



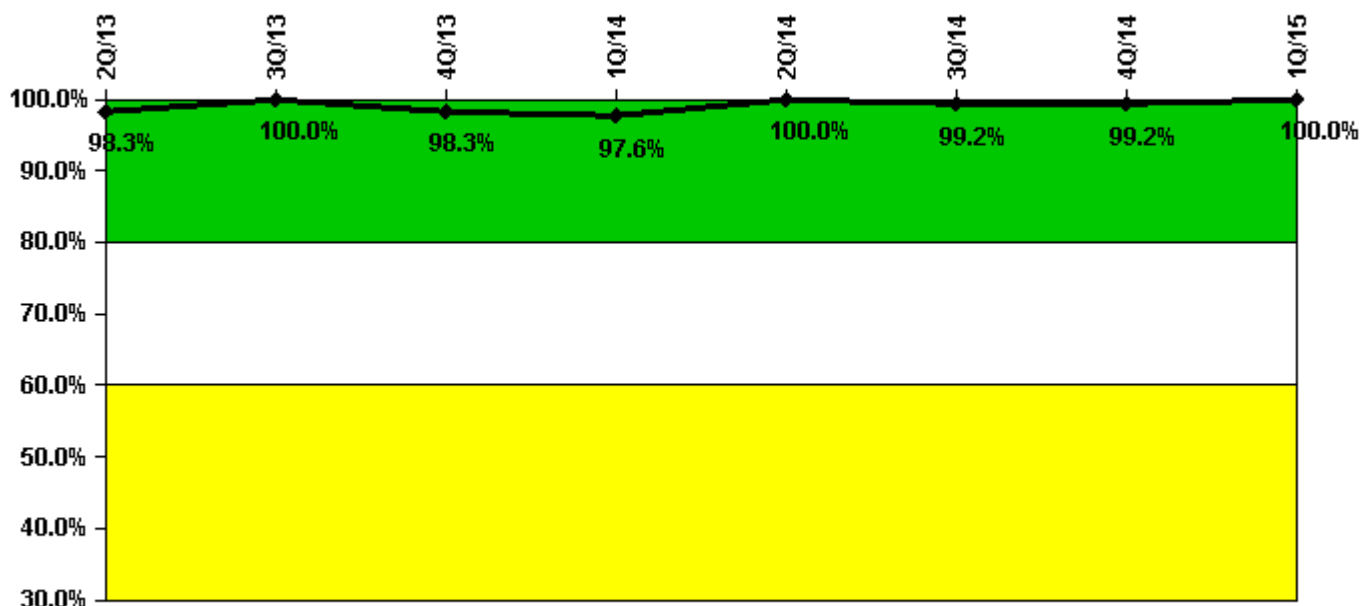
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	37.0	29.0	42.0	19.0	64.0	33.0	26.0	30.0
Total opportunities	37.0	29.0	42.0	19.0	67.0	33.0	26.0	30.0
Indicator value	96.9%	97.1%	97.3%	97.7%	97.2%	97.7%	98.9%	98.9%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

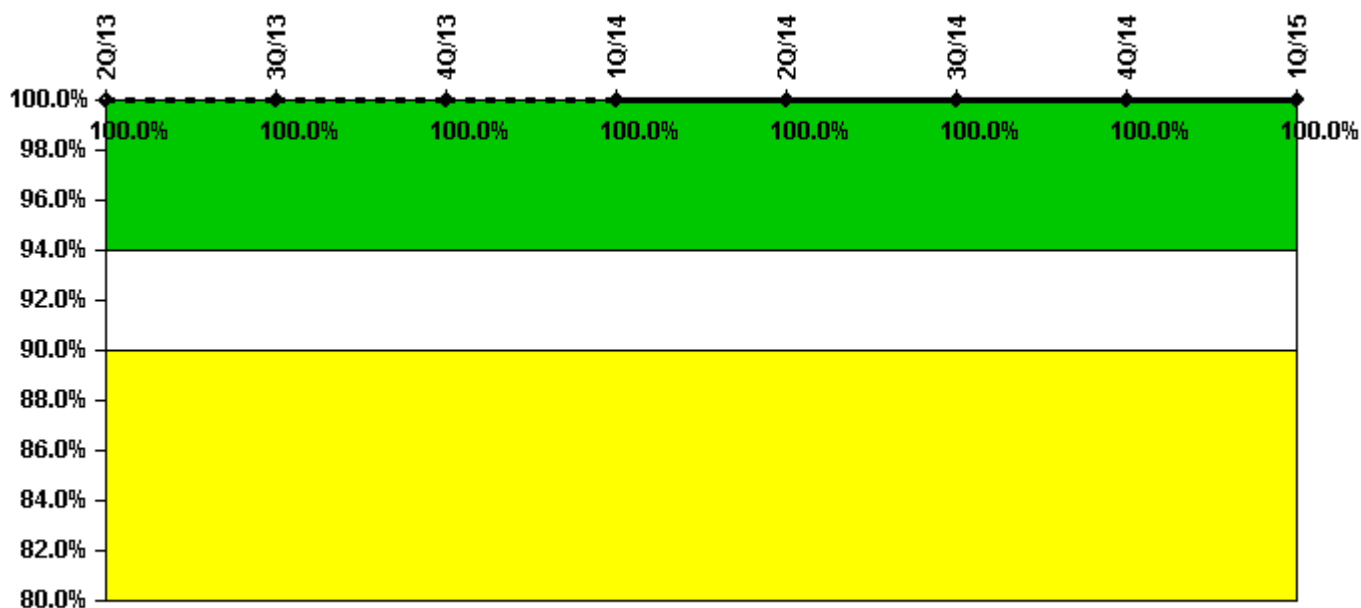
Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	119.0	115.0	118.0	120.0	117.0	120.0	118.0	120.0
Total Key personnel	121.0	115.0	120.0	123.0	117.0	121.0	119.0	120.0
Indicator value	98.3%	100.0%	98.3%	97.6%	100.0%	99.2%	99.2%	100.0%

Licensee Comments:

3Q/13: Total Key ERO personnel adjusted due to mis-calculation.

Alert & Notification System



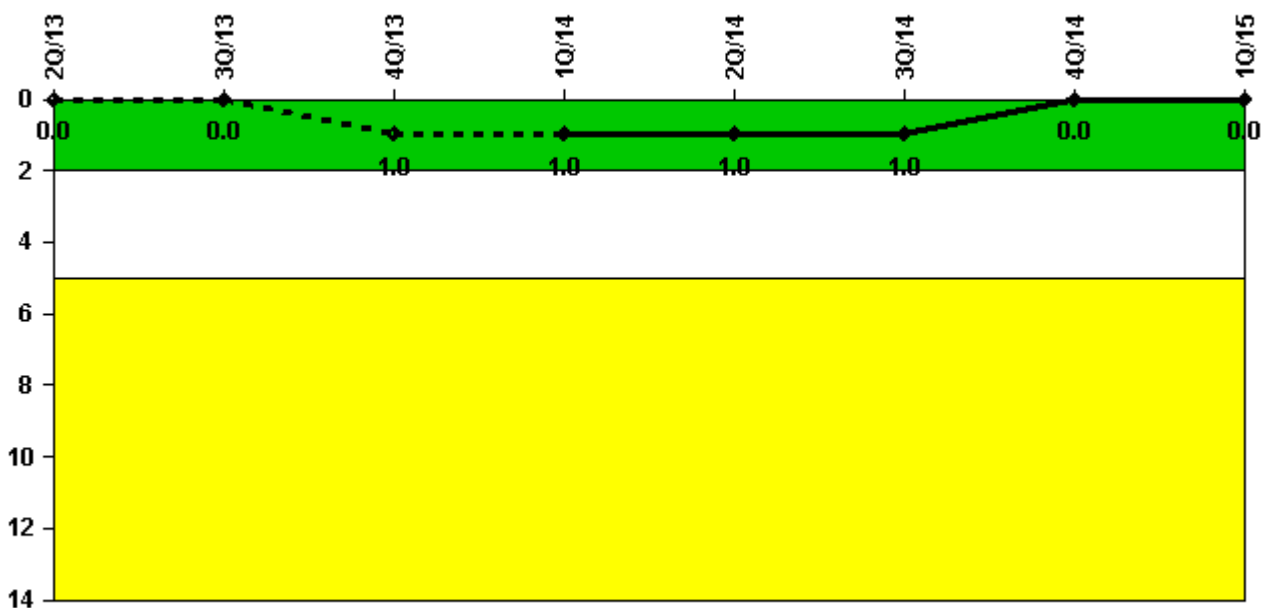
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	917	1310	1048	917	917	1310	1048	917
Total sirens-tests	917	1310	1048	917	917	1310	1048	917
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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	1	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	1	1	1	1	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
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: April 23, 2015

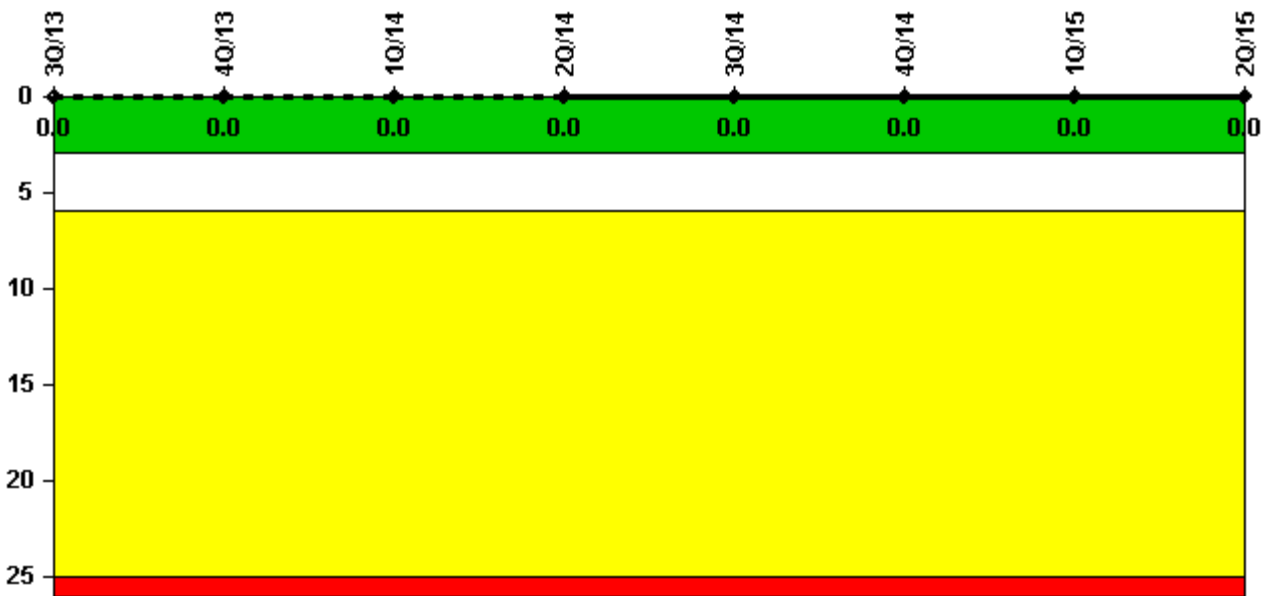
Diablo Canyon 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



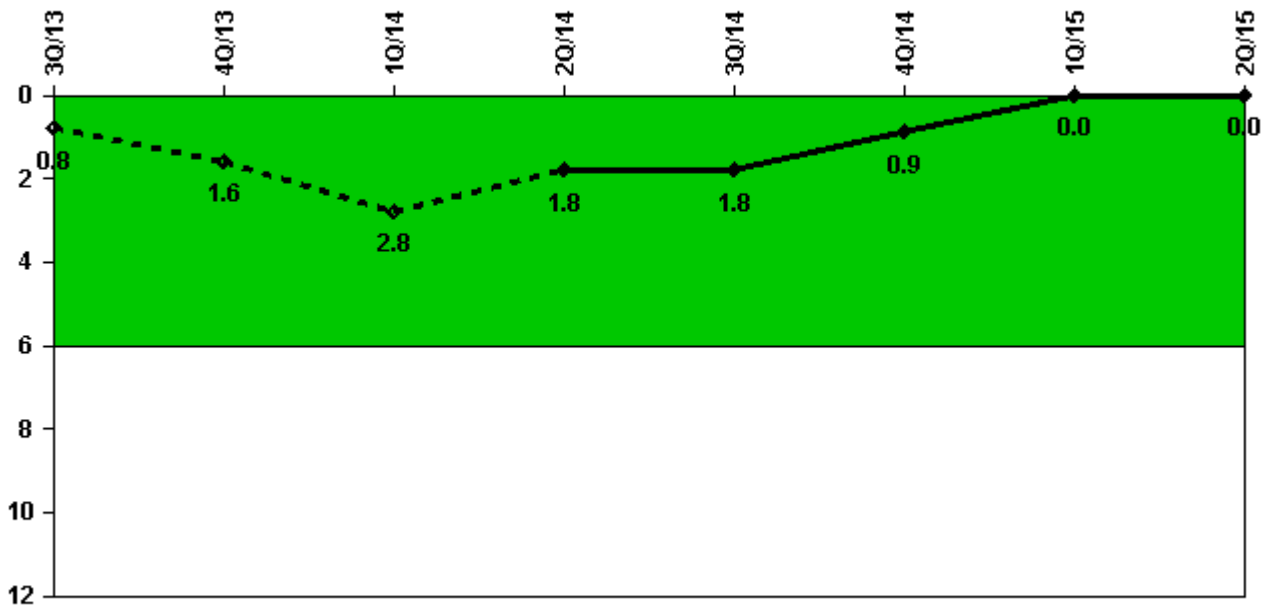
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.5	2209.0	1166.1	2184.0	2208.0	2190.0	2081.4	2184.0
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

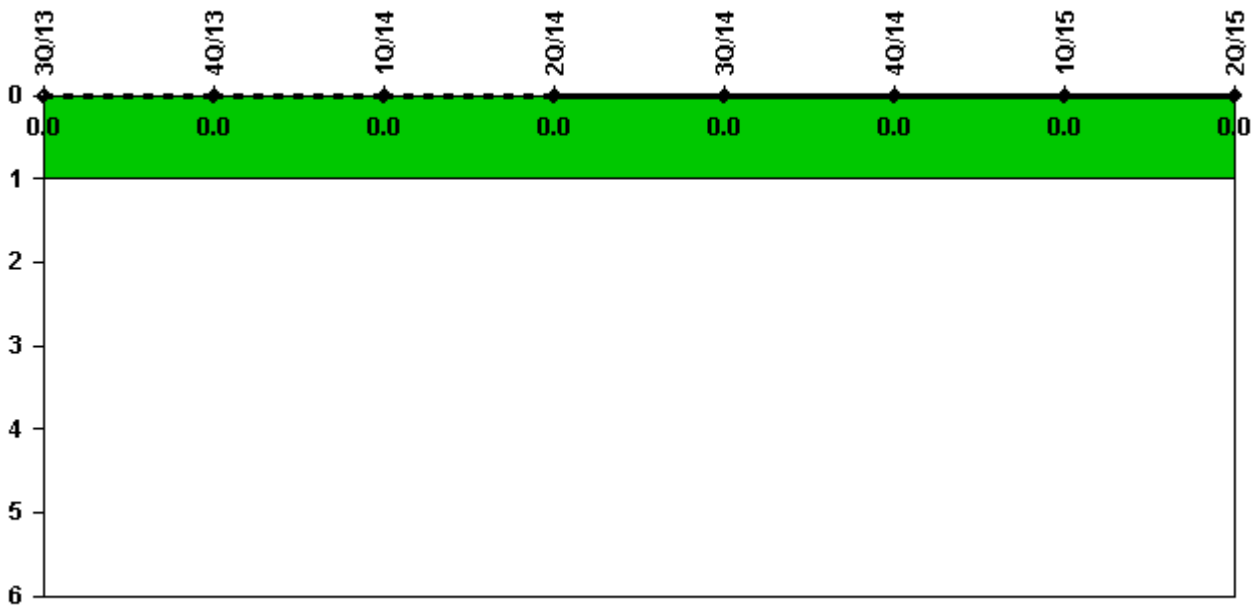
Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	1.0	1.0	0	0	0	0	0
Critical hours	2183.5	2209.0	1166.1	2184.0	2208.0	2190.0	2081.4	2184.0
Indicator value	0.8	1.6	2.8	1.8	1.8	0.9	0	0

Licensee Comments:

1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

Unplanned Scrams with Complications



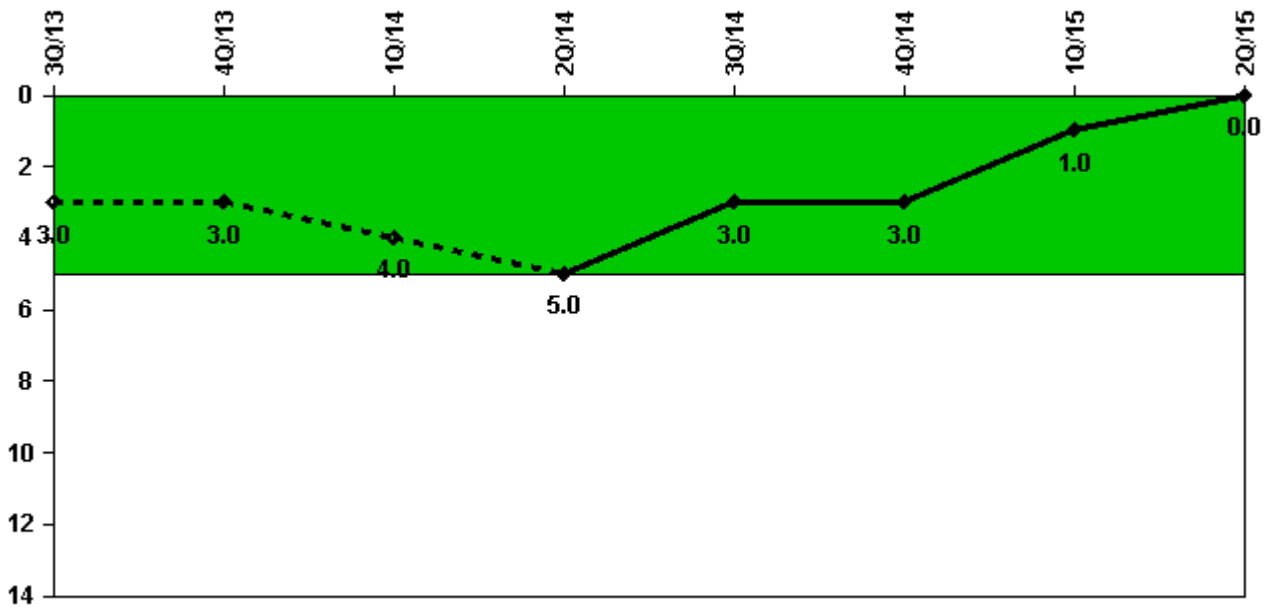
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
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)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	2	0	2	1	0	0	0	0
Indicator value	3	3	4	5	3	3	1	0

Licensee Comments:

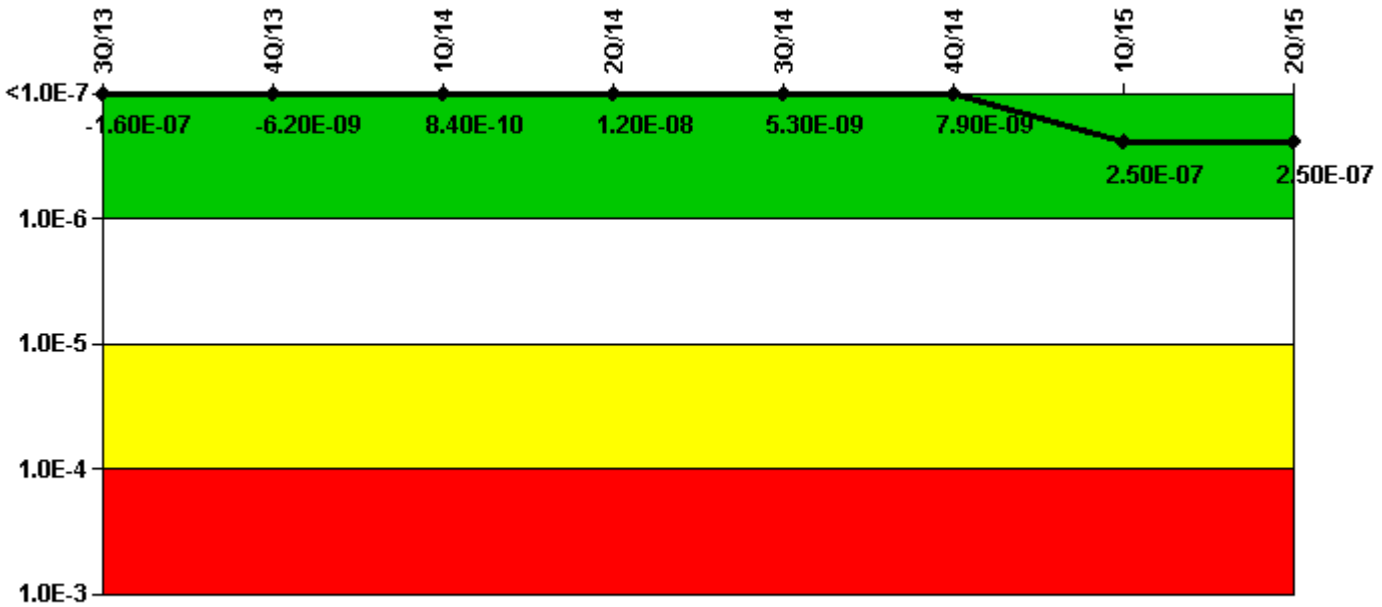
1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

1Q/14: DCPD submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System



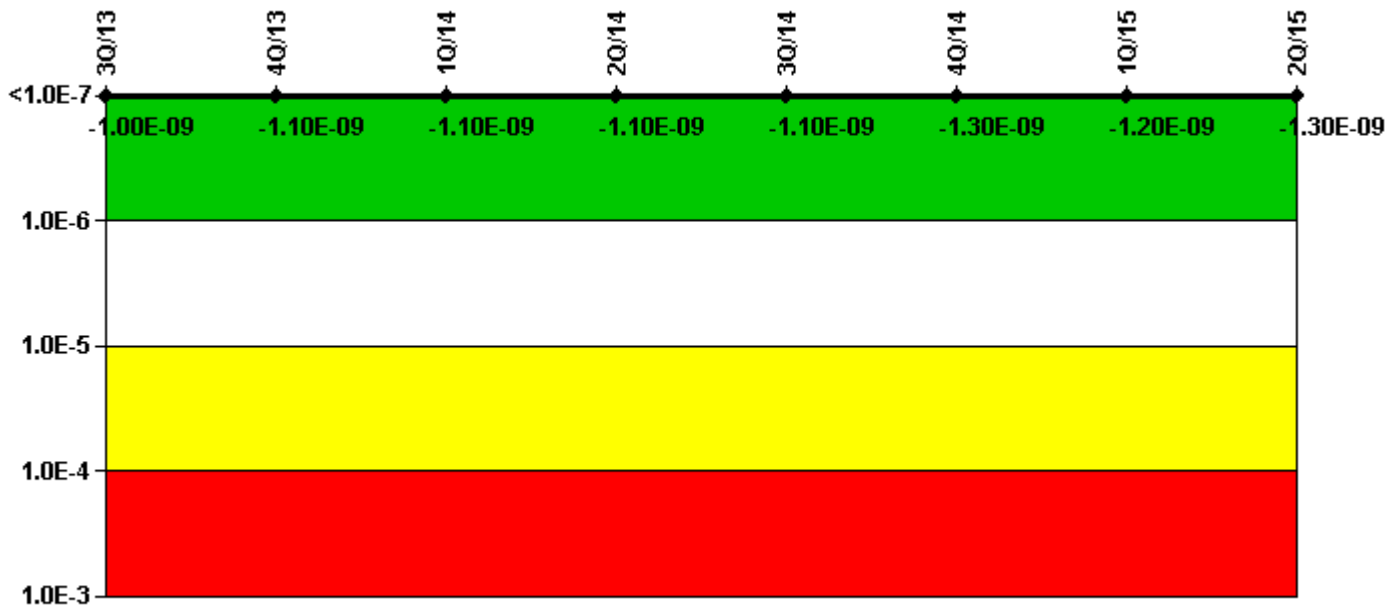
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	1.18E-09	2.38E-08	2.72E-08	2.58E-08	1.52E-08	1.65E-08	5.45E-09	4.42E-09
URI (ΔCDF)	-1.56E-07	-3.00E-08	-2.64E-08	-1.40E-08	-9.91E-09	-8.59E-09	2.41E-07	2.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-6.20E-09	8.40E-10	1.20E-08	5.30E-09	7.90E-09	2.50E-07	2.50E-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	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	8.61E-11	5.77E-11	3.94E-11	2.91E-11	6.69E-11	-1.42E-10	-4.03E-11	-1.68E-10
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.30E-09	-1.20E-09	-1.30E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



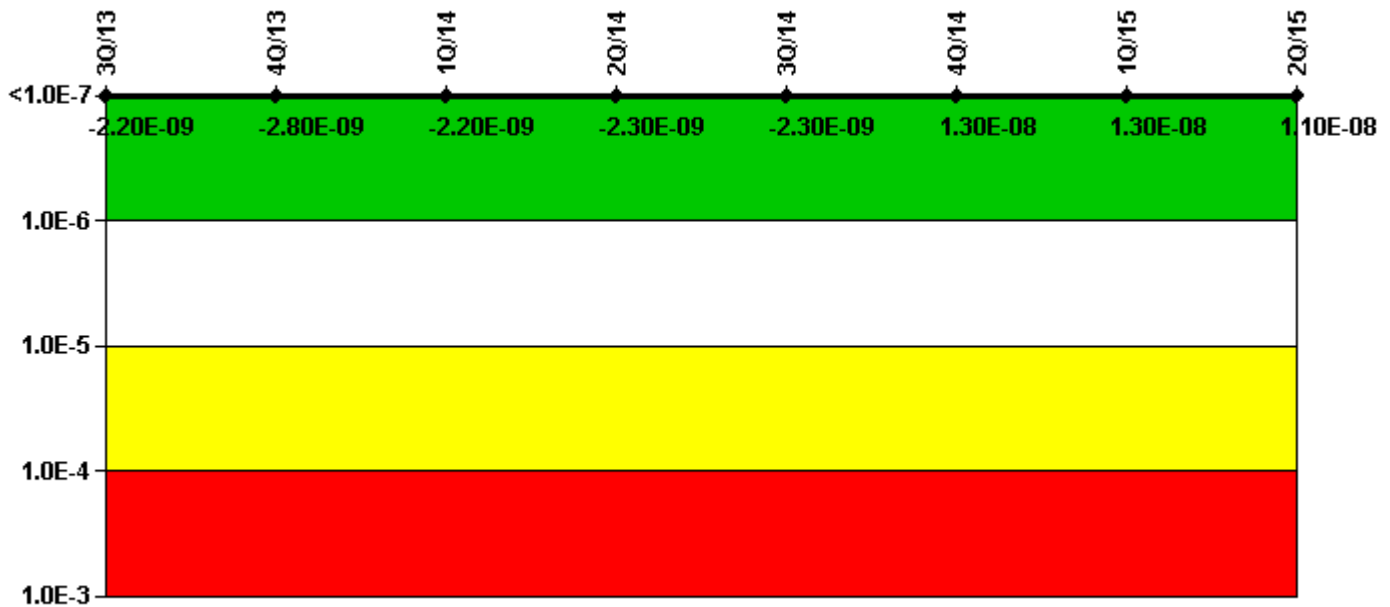
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	4.83E-09	-7.78E-10	-2.90E-10	-2.90E-10	-2.90E-10	-2.80E-10	-2.28E-10	-9.88E-09
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-08	-5.10E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



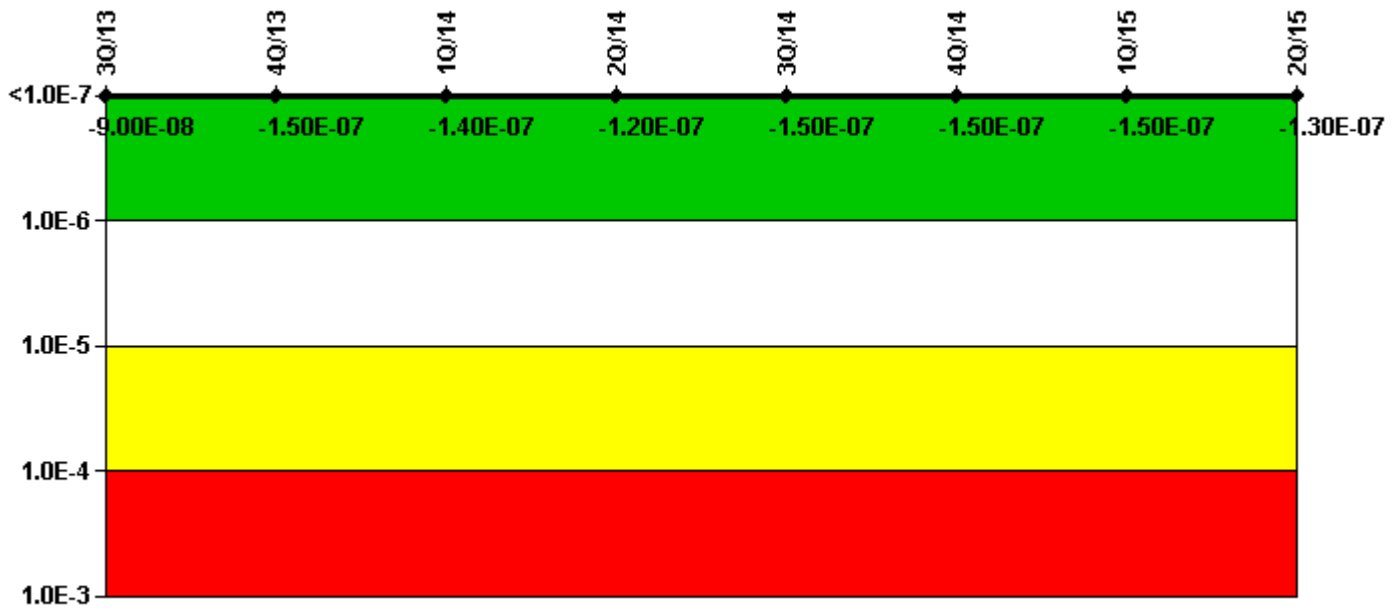
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	1.44E-08	1.38E-08	1.44E-08	1.44E-08	1.44E-08	2.94E-08	2.95E-08	2.79E-08
URI (Δ CDF)	-1.66E-08	-1.66E-08	-1.67E-08	-1.67E-08	-1.68E-08	-1.68E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-09	-2.80E-09	-2.20E-09	-2.30E-09	-2.30E-09	1.30E-08	1.30E-08	1.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



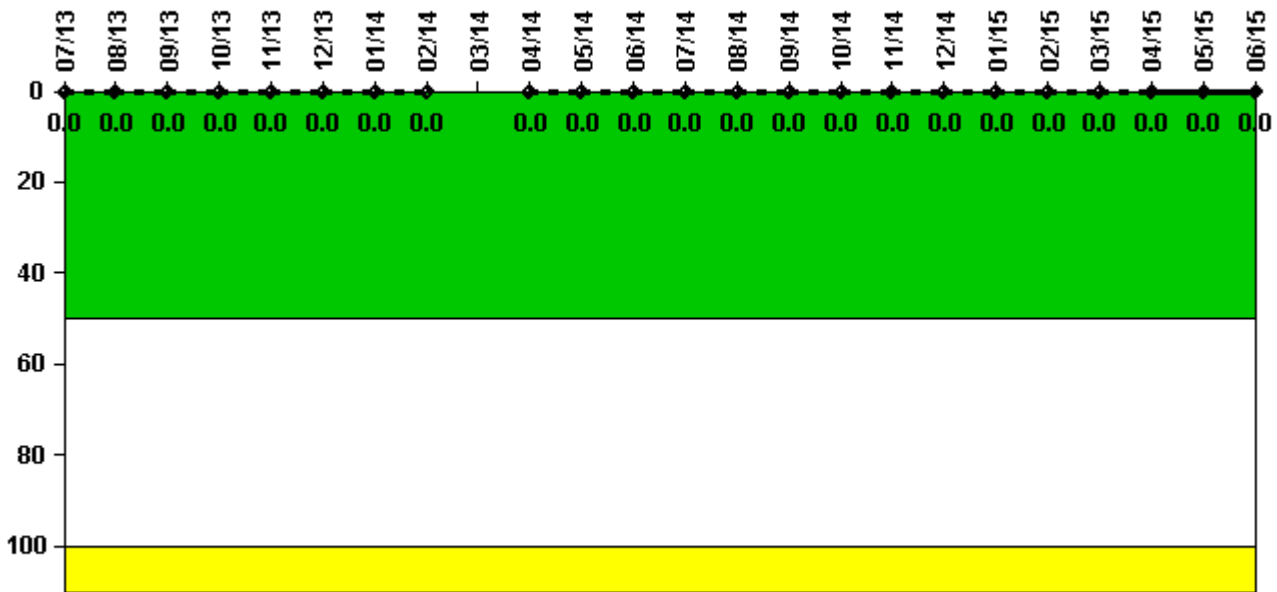
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	-3.79E-08	-1.01E-07	-8.72E-08	-6.45E-08	-1.00E-07	-9.40E-08	-1.02E-07	-7.37E-08
URI (Δ CDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-08	-1.50E-07	-1.40E-07	-1.20E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.30E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

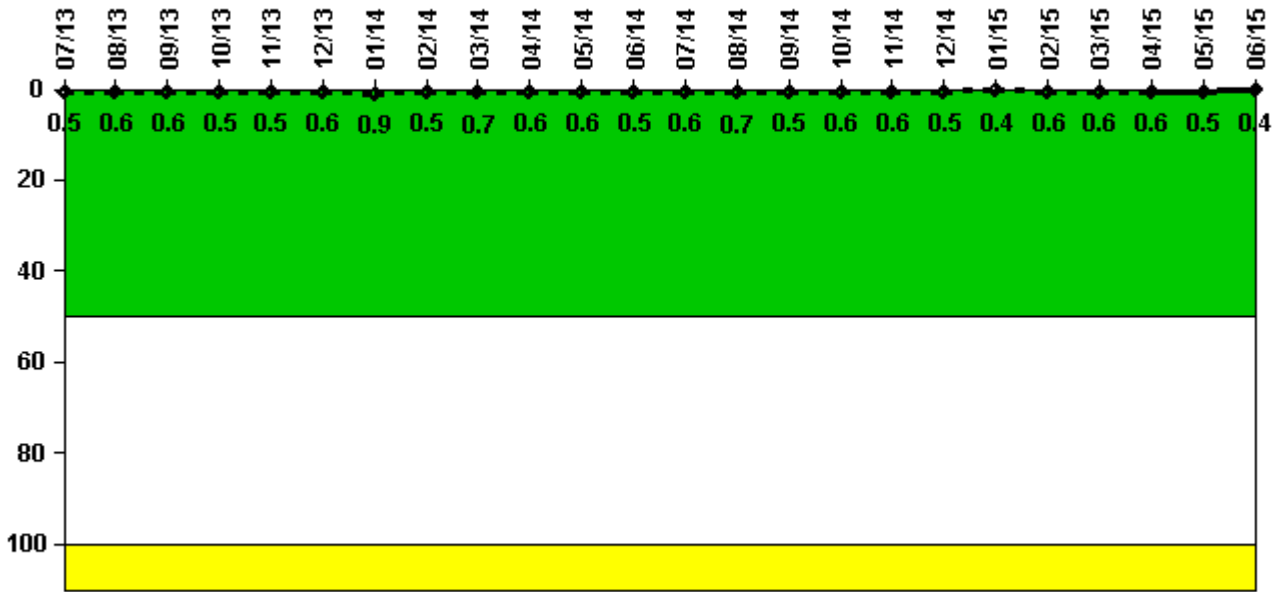
Notes

Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000117	0.000066	0.000075	0.000075	0.000080	0.000081	0.000081	0.000045	N/A	0.000030	0.000045	0.000047
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	N/A	0	0	0

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000047	0.000038	0.000044	0.000045	0.000067	0.000048	0.000048	0.000047	0.000062	0.000056	0.000056	0.000064
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



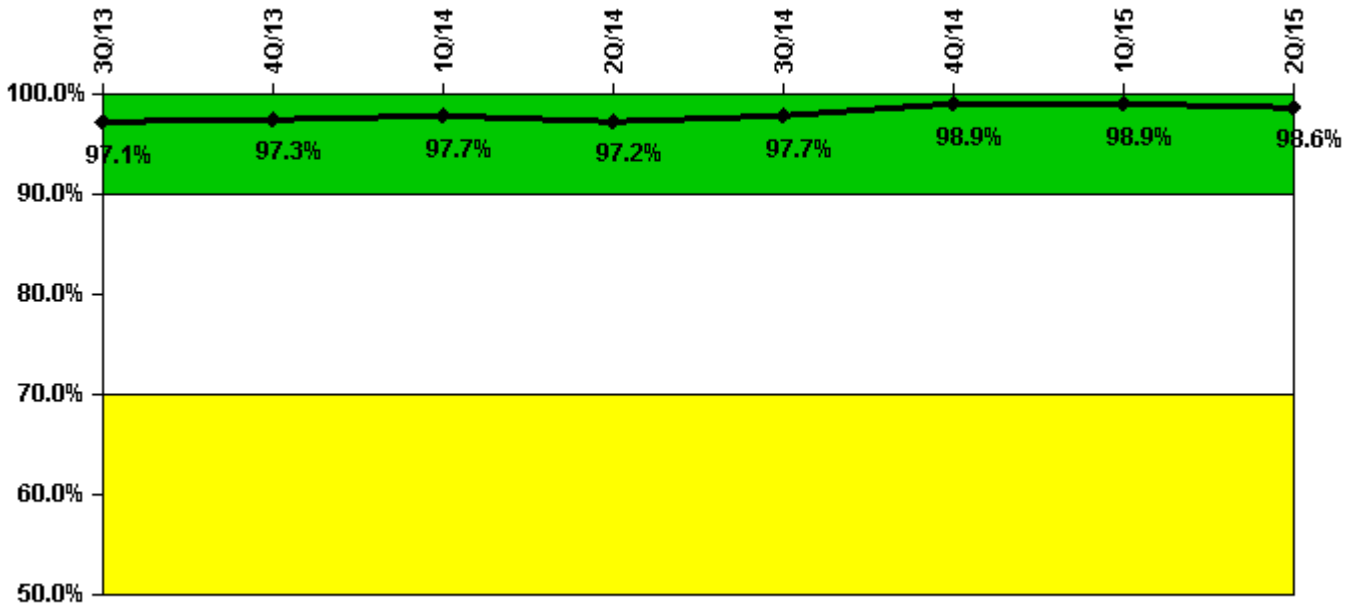
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.049	0.055	0.061	0.052	0.050	0.061	0.091	0.051	0.066	0.064	0.059	0.049
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	0.6	0.6	0.5	0.5	0.6	0.9	0.5	0.7	0.6	0.6	0.5
Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.060	0.066	0.051	0.056	0.058	0.054	0.041	0.064	0.057	0.060	0.053	0.042
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	0.6	0.7	0.5	0.6	0.6	0.5	0.4	0.6	0.6	0.6	0.5	0.4

Licensee Comments: none

Drill/Exercise Performance



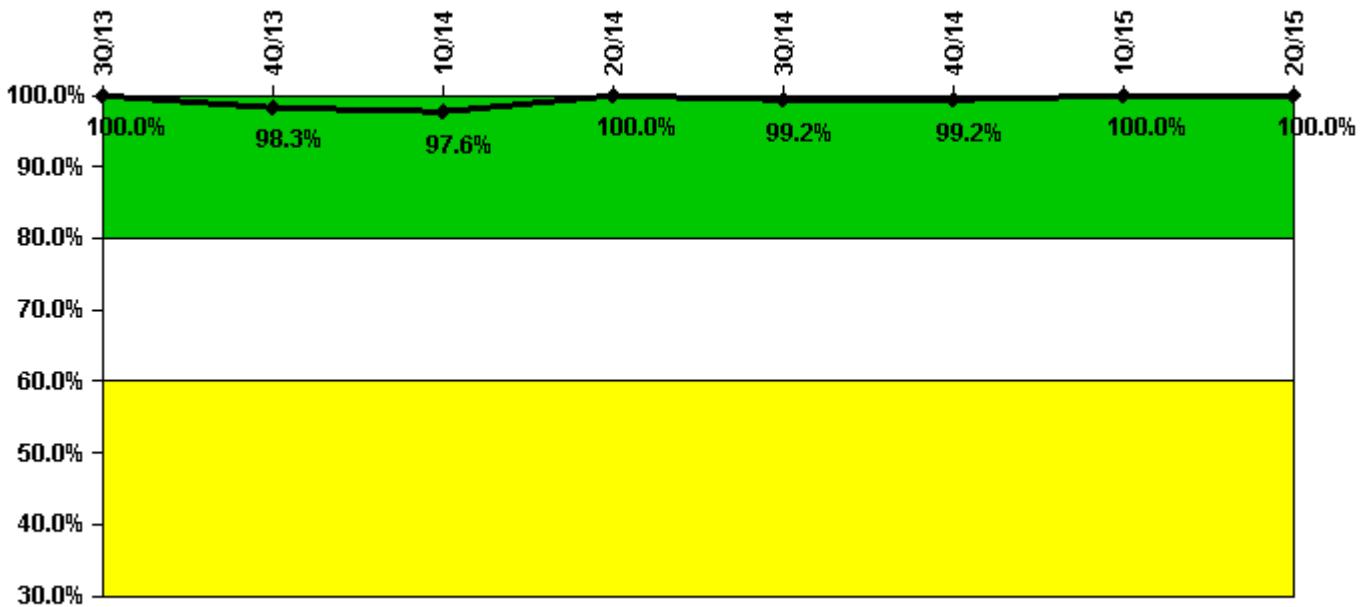
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	29.0	42.0	19.0	64.0	33.0	26.0	30.0	41.0
Total opportunities	29.0	42.0	19.0	67.0	33.0	26.0	30.0	42.0
Indicator value	97.1%	97.3%	97.7%	97.2%	97.7%	98.9%	98.9%	98.6%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

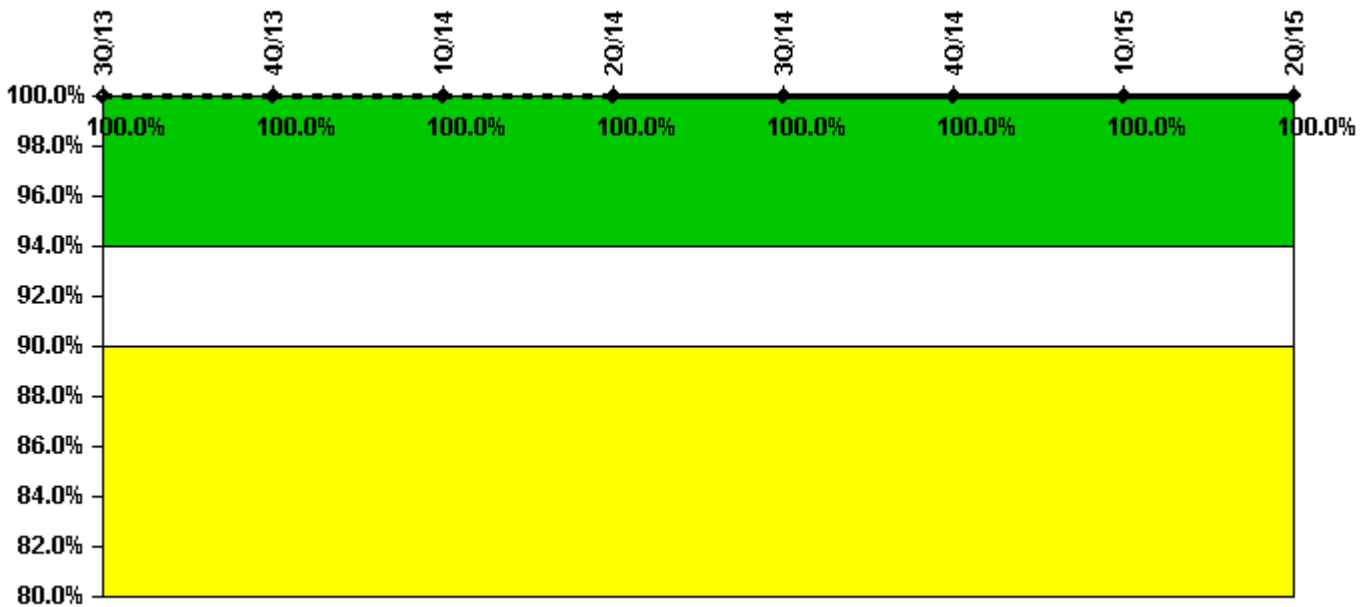
Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	115.0	118.0	120.0	117.0	120.0	118.0	120.0	117.0
Total Key personnel	115.0	120.0	123.0	117.0	121.0	119.0	120.0	117.0
Indicator value	100.0%	98.3%	97.6%	100.0%	99.2%	99.2%	100.0%	100.0%

Licensee Comments:

3Q/13: Total Key ERO personnel adjusted due to mis-calculation.

Alert & Notification System



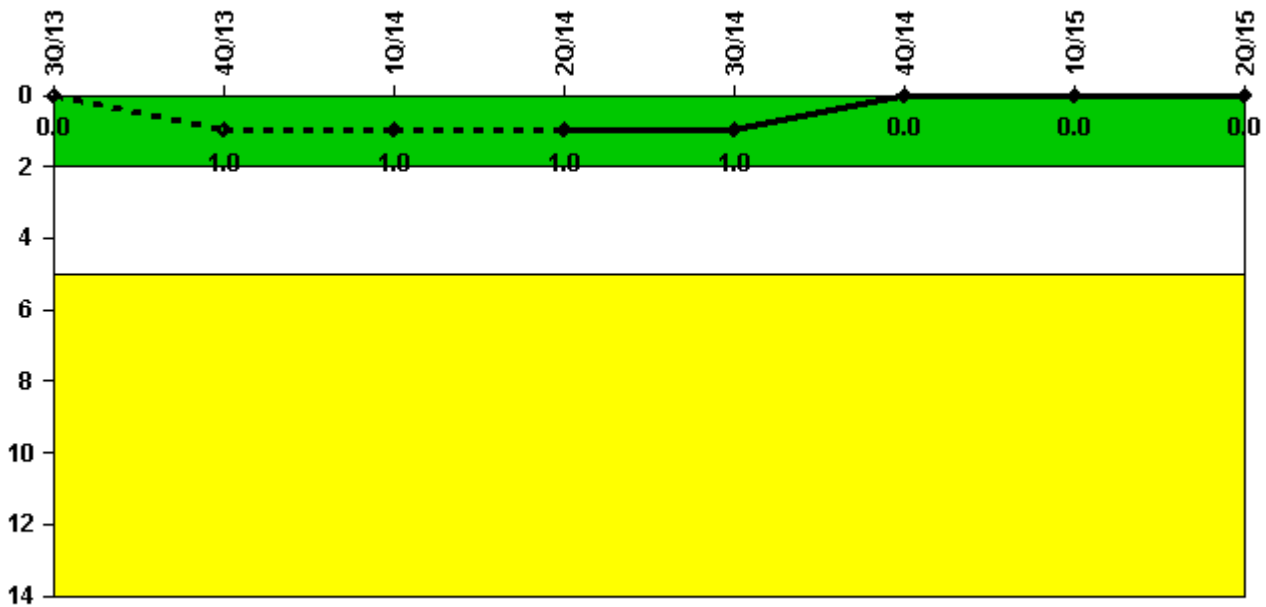
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	1310	1048	917	917	1310	1048	917	1047
Total sirens-tests	1310	1048	917	917	1310	1048	917	1048
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



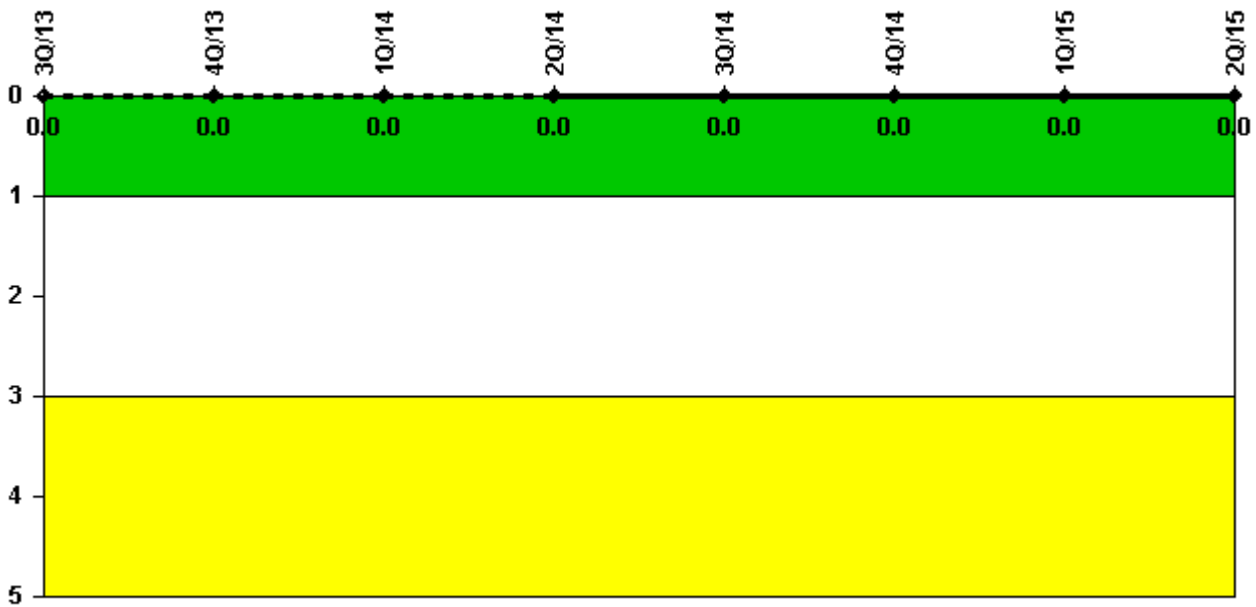
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
High radiation area occurrences	0	1	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	1	1	1	1	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
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: July 24, 2015

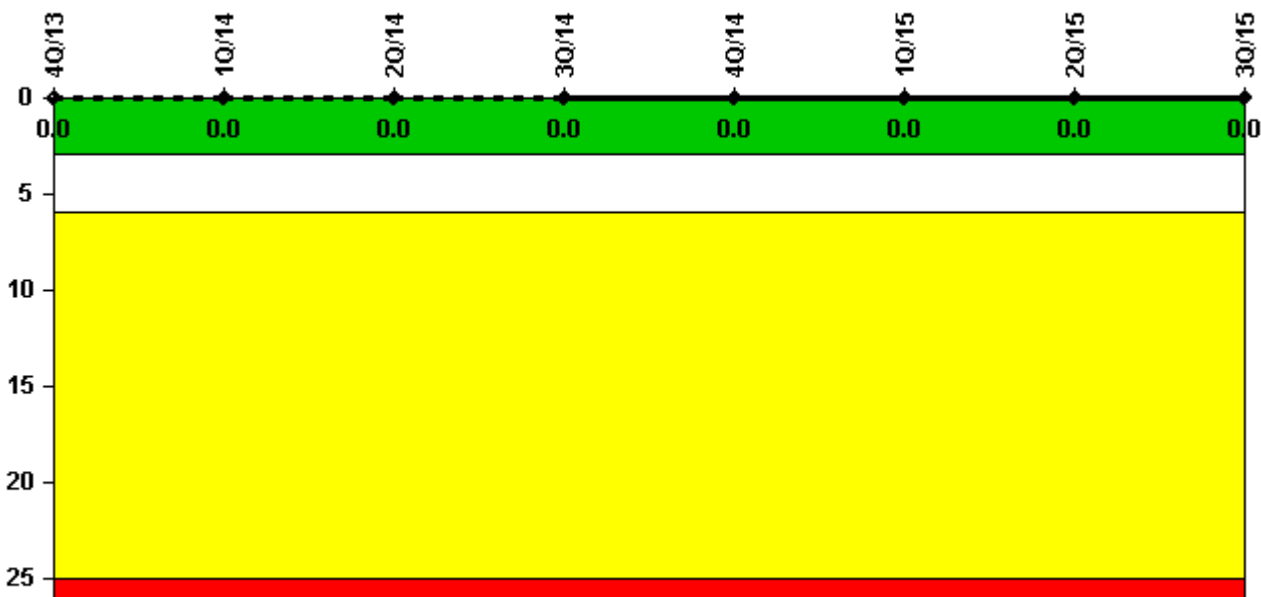
Diablo Canyon 1

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: EP01 data for 2Q2015 was updated on 9/8/2015 to add 2 drill, exercise and event opportunities that occurred on 6/30/2015. The opportunities were added when the Shift Manager who performed the tasks became fully qualified in August of 2015.

Unplanned Scrams per 7000 Critical Hrs



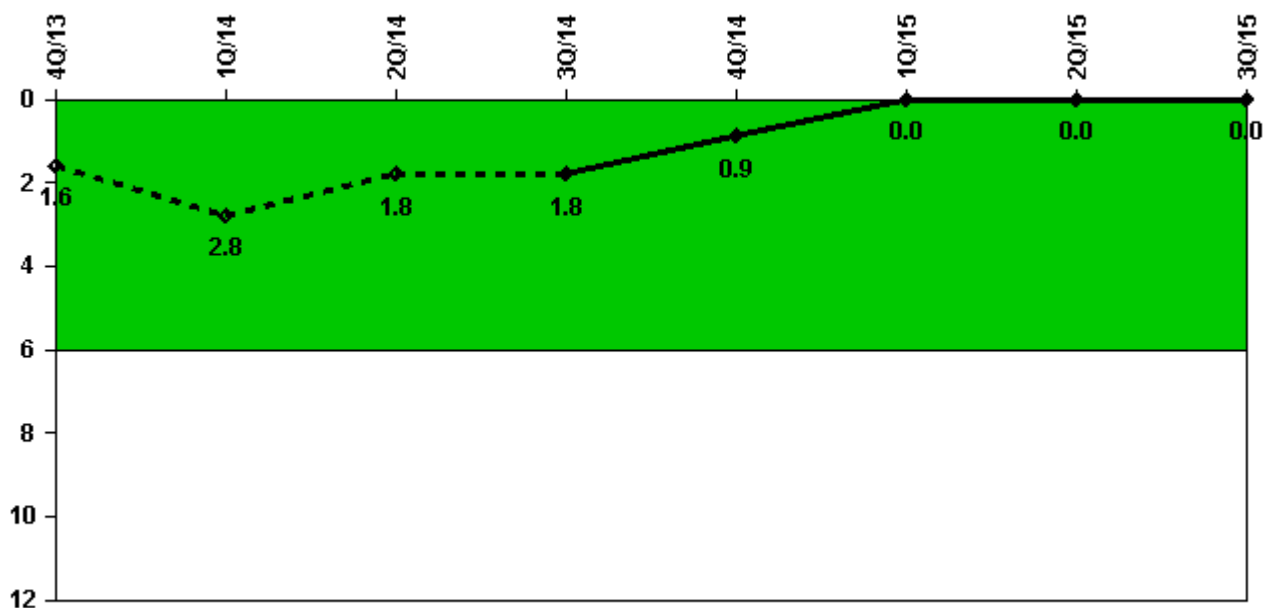
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1166.1	2184.0	2208.0	2190.0	2081.4	2184.0	2208.0
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

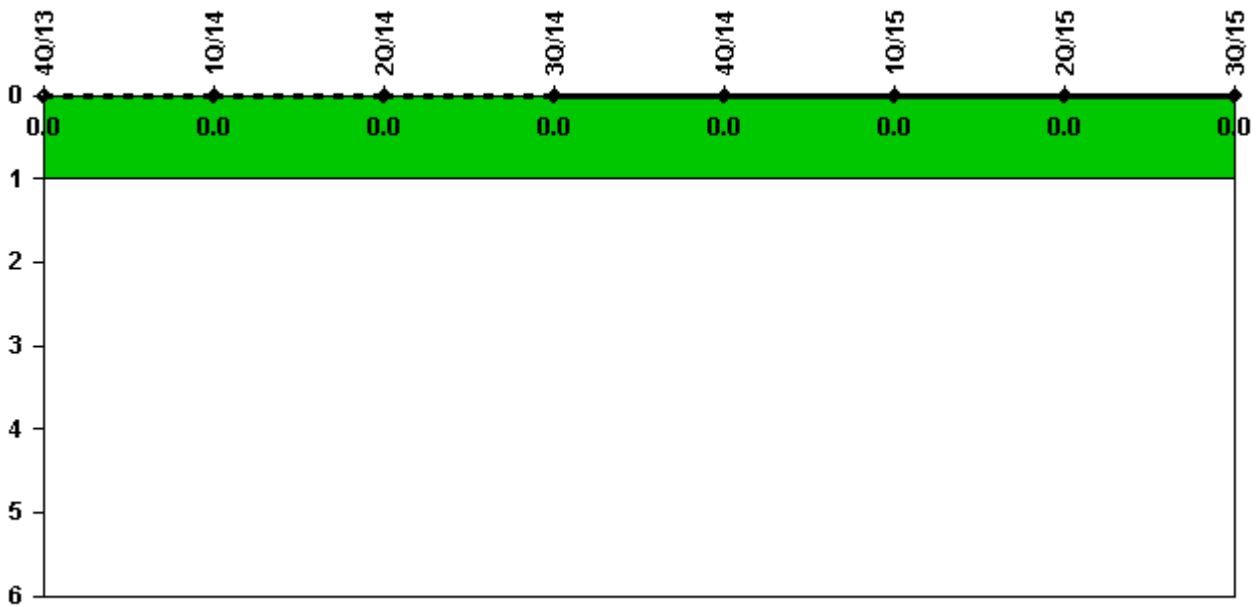
Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	1.0	1.0	0	0	0	0	0	0
Critical hours	2209.0	1166.1	2184.0	2208.0	2190.0	2081.4	2184.0	2208.0
Indicator value	1.6	2.8	1.8	1.8	0.9	0	0	0

Licensee Comments:

1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

Unplanned Scrams with Complications



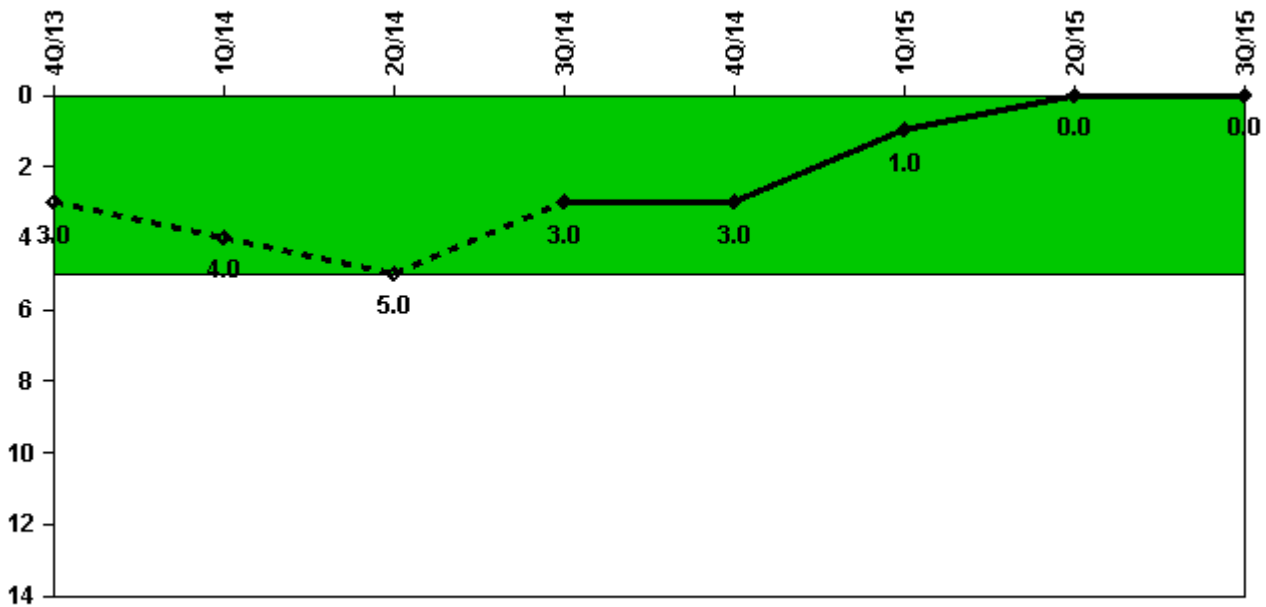
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
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/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	0	2	1	0	0	0	0	0
Indicator value	3	4	5	3	3	1	0	0

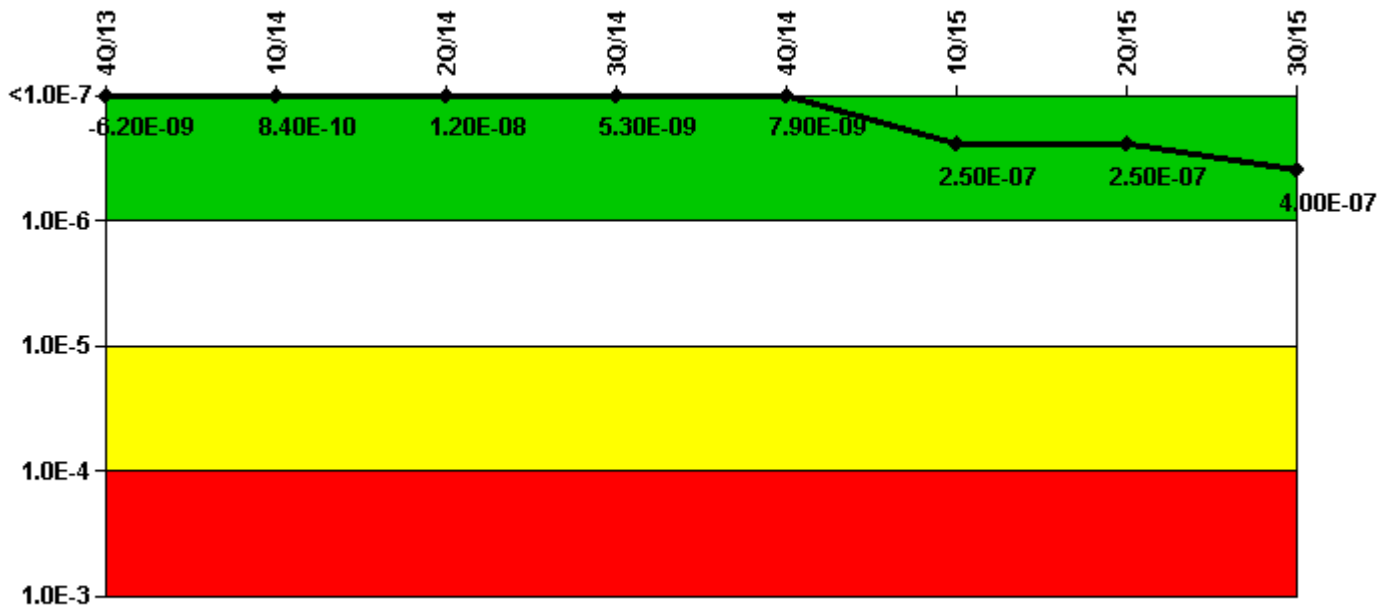
Licensee Comments:

1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

1Q/14: DCCP submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

Mitigating Systems Performance Index, Emergency AC Power System



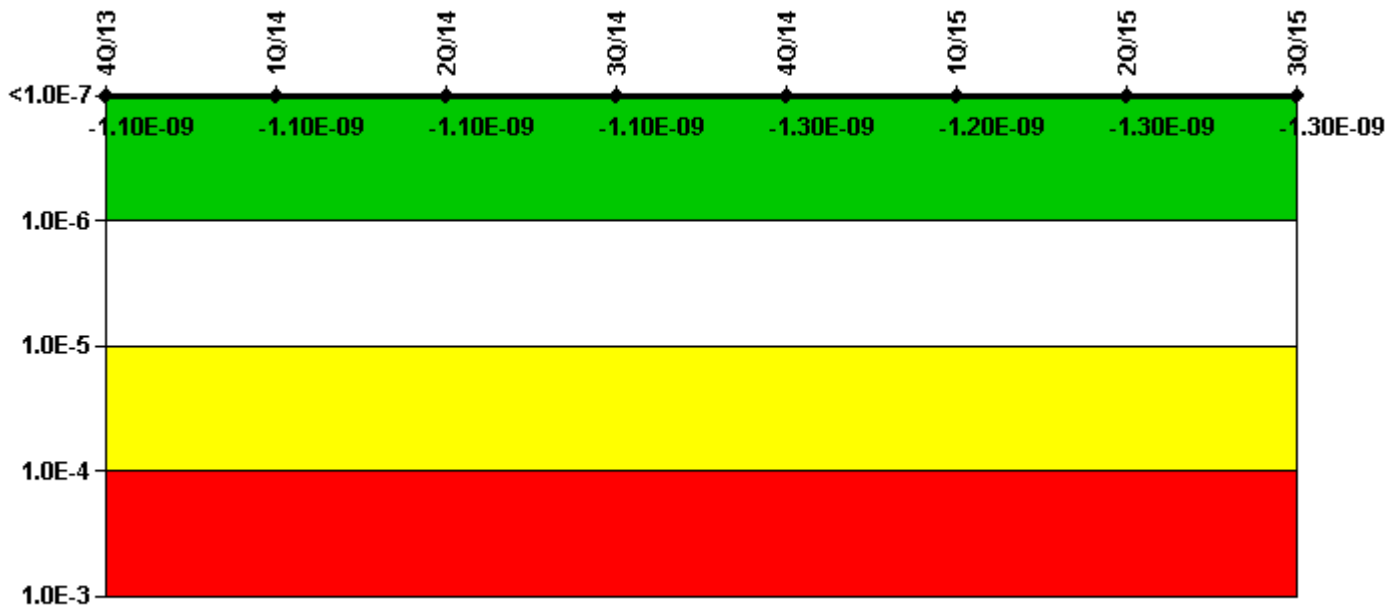
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (ΔCDF)	2.38E-08	2.72E-08	2.58E-08	1.52E-08	1.65E-08	5.45E-09	4.42E-09	3.38E-08
URI (ΔCDF)	-3.00E-08	-2.64E-08	-1.40E-08	-9.91E-09	-8.59E-09	2.41E-07	2.41E-07	3.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.20E-09	8.40E-10	1.20E-08	5.30E-09	7.90E-09	2.50E-07	2.50E-07	4.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



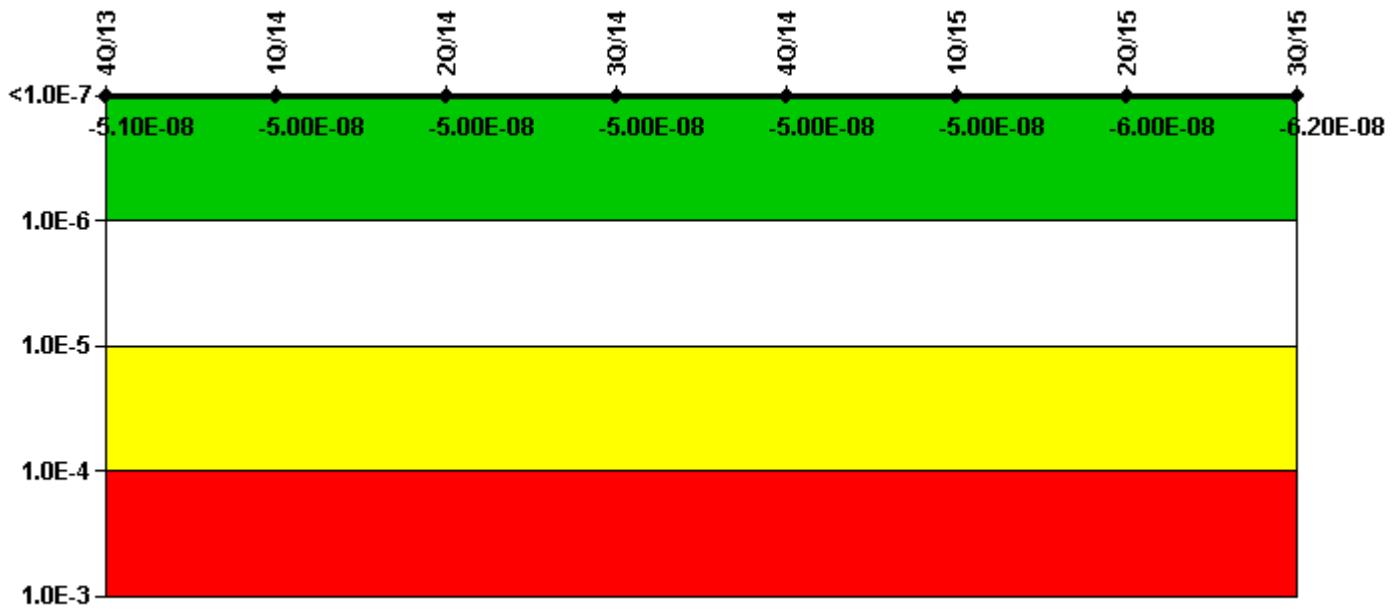
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	5.77E-11	3.94E-11	2.91E-11	6.69E-11	-1.42E-10	-4.03E-11	-1.68E-10	-1.52E-10
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.30E-09	-1.20E-09	-1.30E-09	-1.30E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



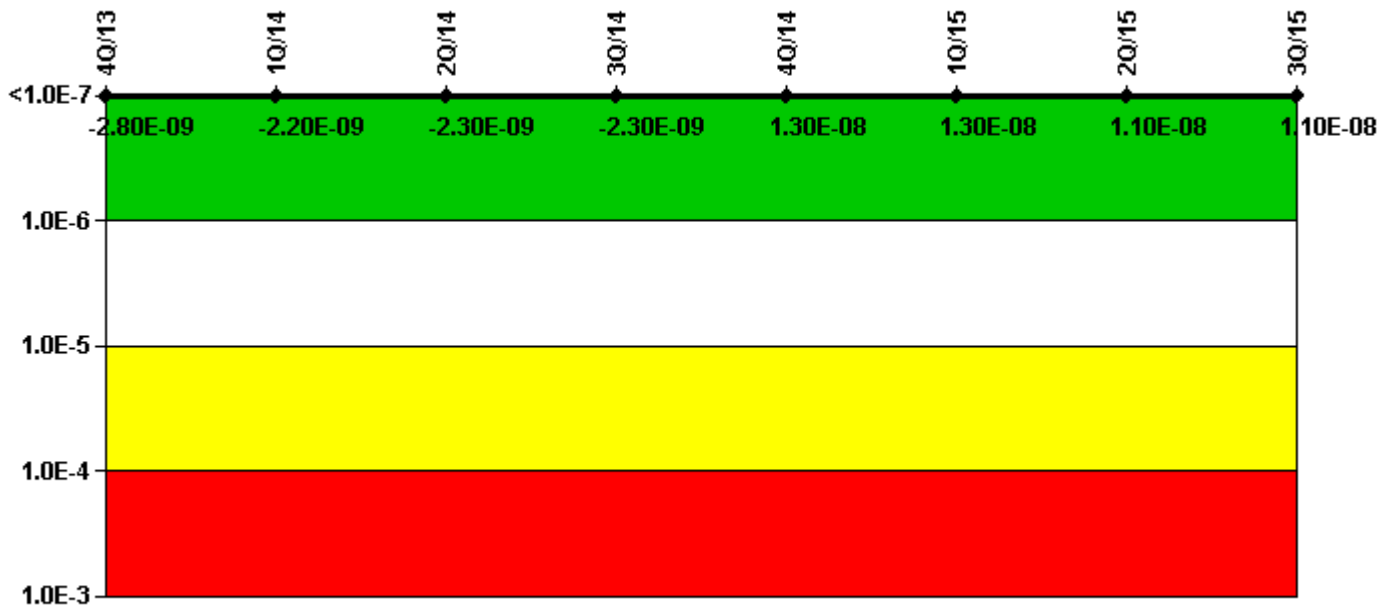
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-7.78E-10	-2.90E-10	-2.90E-10	-2.90E-10	-2.80E-10	-2.28E-10	-9.88E-09	-1.25E-08
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-6.00E-08	-6.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



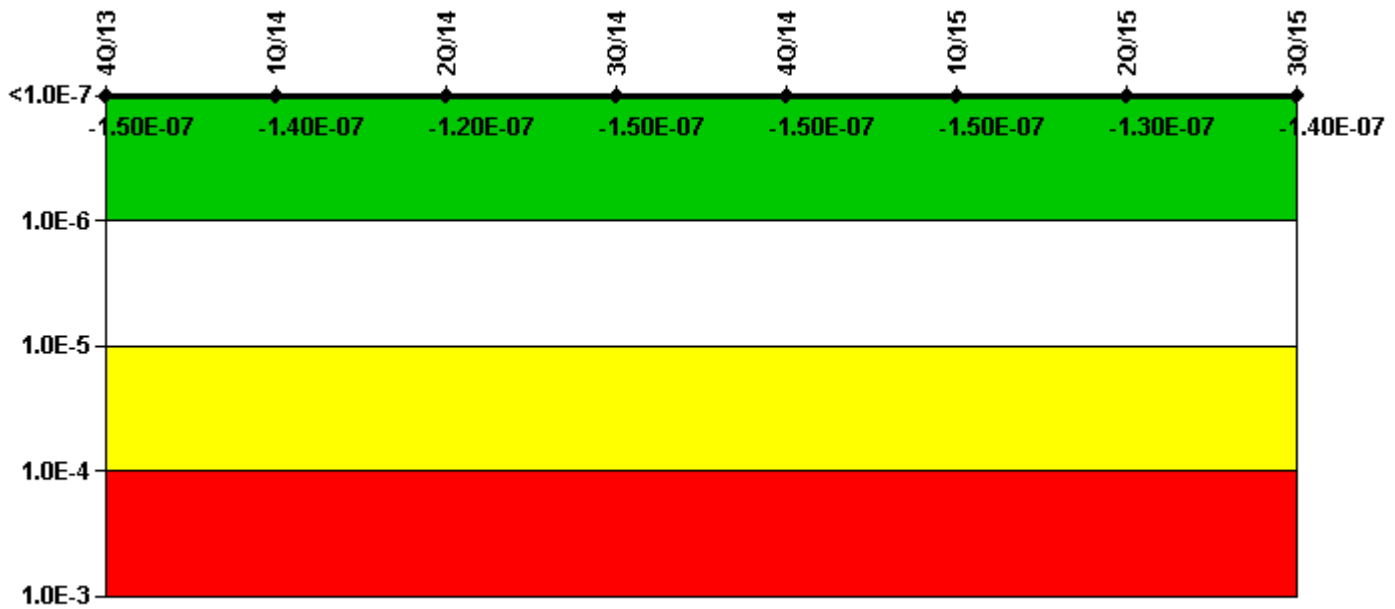
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	1.38E-08	1.44E-08	1.44E-08	1.44E-08	2.94E-08	2.95E-08	2.79E-08	2.79E-08
URI (Δ CDF)	-1.66E-08	-1.67E-08	-1.67E-08	-1.68E-08	-1.68E-08	-1.69E-08	-1.69E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-09	-2.20E-09	-2.30E-09	-2.30E-09	1.30E-08	1.30E-08	1.10E-08	1.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



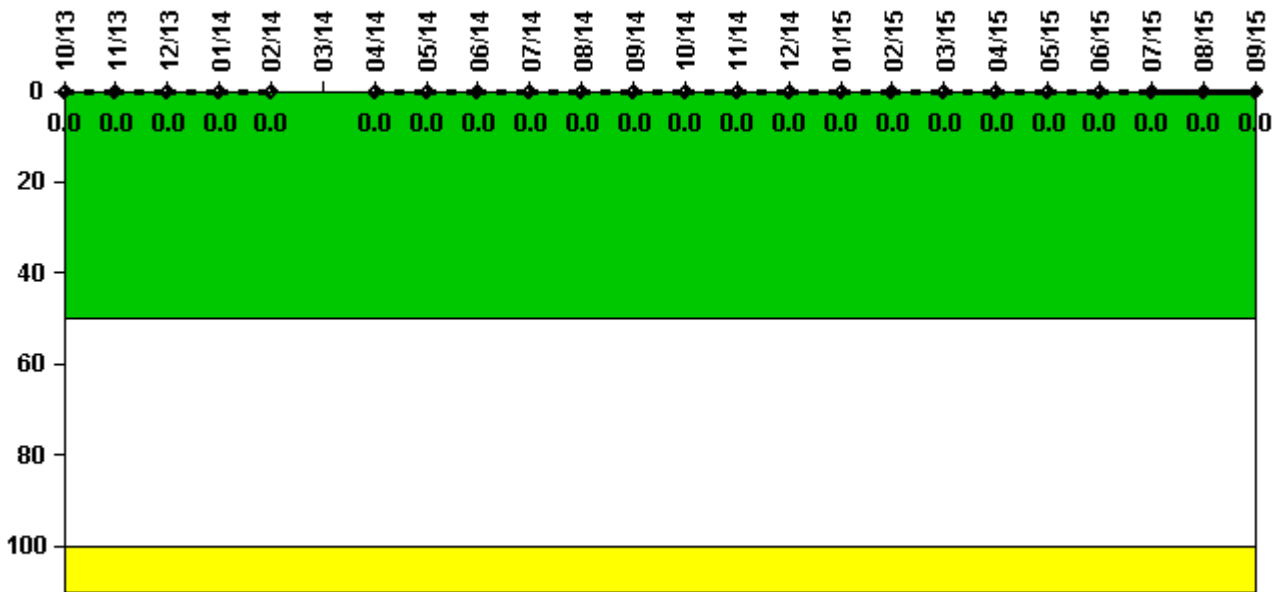
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-1.01E-07	-8.72E-08	-6.45E-08	-1.00E-07	-9.40E-08	-1.02E-07	-7.37E-08	-8.49E-08
URI (Δ CDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.40E-07	-1.20E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.30E-07	-1.40E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

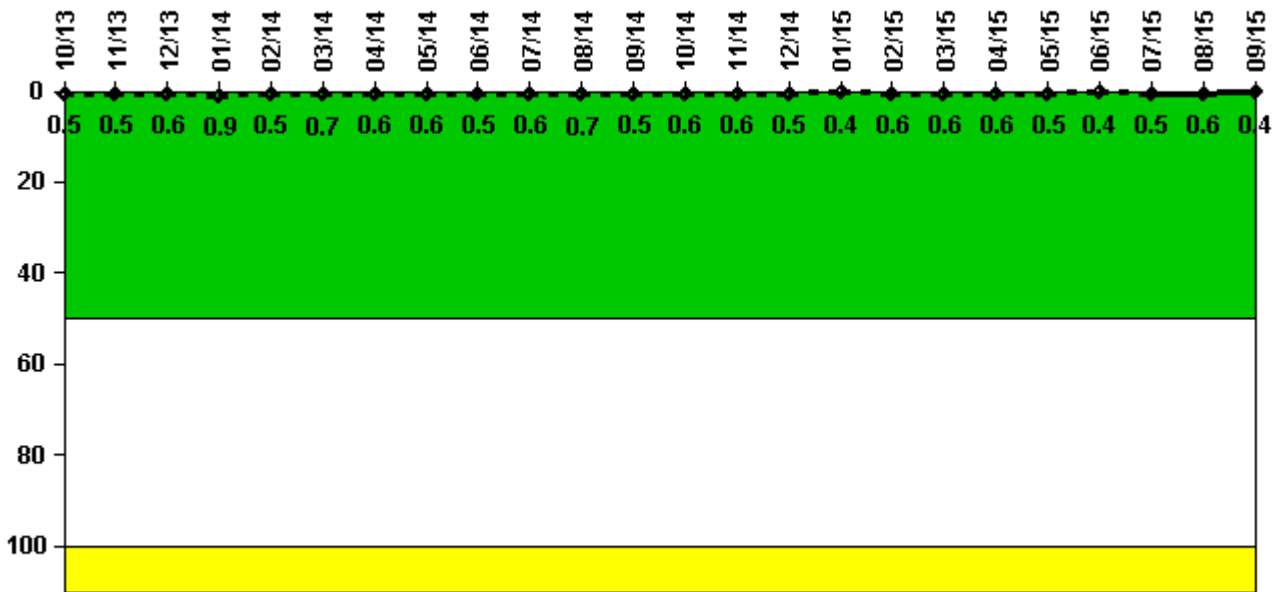
Notes

Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.000075	0.000080	0.000081	0.000081	0.000045	N/A	0.000030	0.000045	0.000047	0.000047	0.000038	0.000044
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	N/A	0	0	0	0	0	0

Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000045	0.000067	0.000048	0.000048	0.000047	0.000062	0.000056	0.000056	0.000064	0.000067	0.000067	0.000071
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



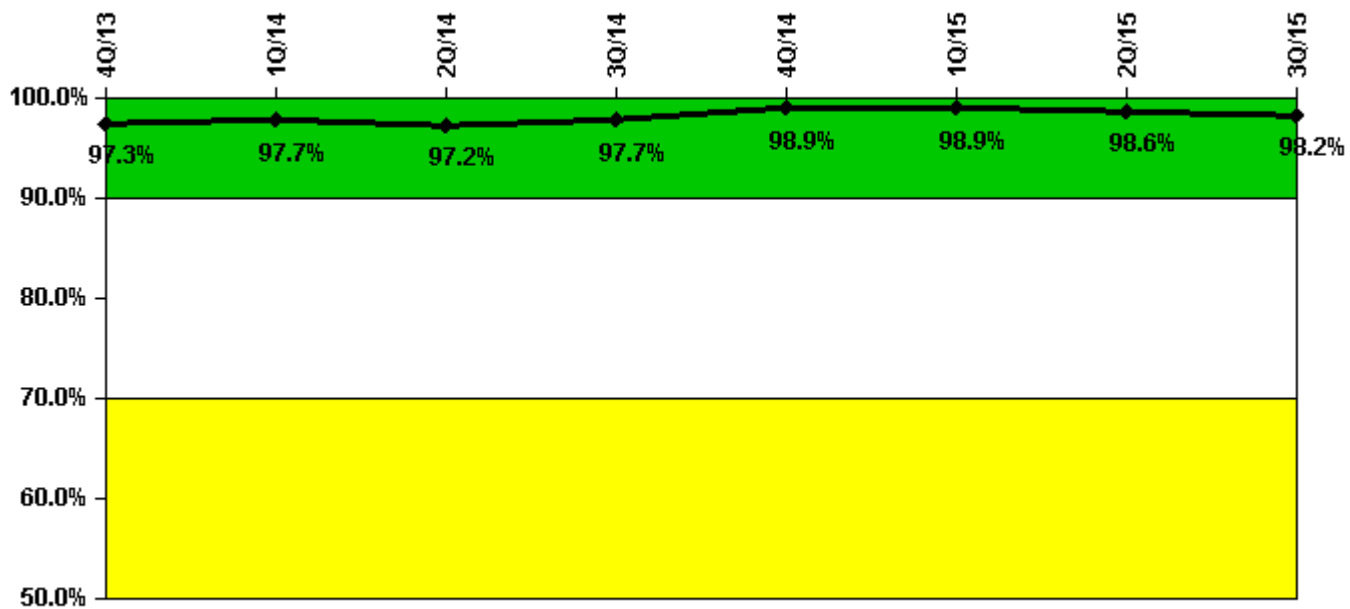
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.052	0.050	0.061	0.091	0.051	0.066	0.064	0.059	0.049	0.060	0.066	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	0.5	0.5	0.6	0.9	0.5	0.7	0.6	0.6	0.5	0.6	0.7	0.5
Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.056	0.058	0.054	0.041	0.064	0.057	0.060	0.053	0.042	0.051	0.061	0.044
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	0.6	0.6	0.5	0.4	0.6	0.6	0.6	0.5	0.4	0.5	0.6	0.4

Licensee Comments: none

Drill/Exercise Performance



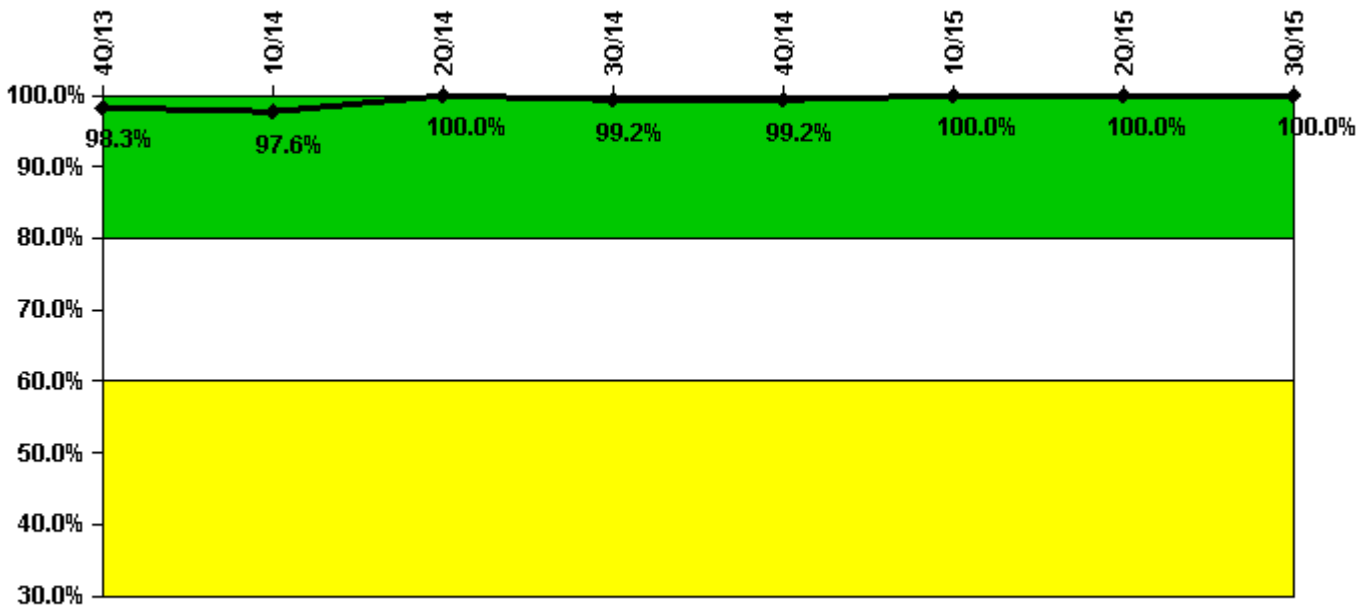
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	42.0	19.0	64.0	33.0	26.0	30.0	43.0	22.0
Total opportunities	42.0	19.0	67.0	33.0	26.0	30.0	44.0	23.0
Indicator value	97.3%	97.7%	97.2%	97.7%	98.9%	98.9%	98.6%	98.2%

Licensee Comments: none

ERO Drill Participation



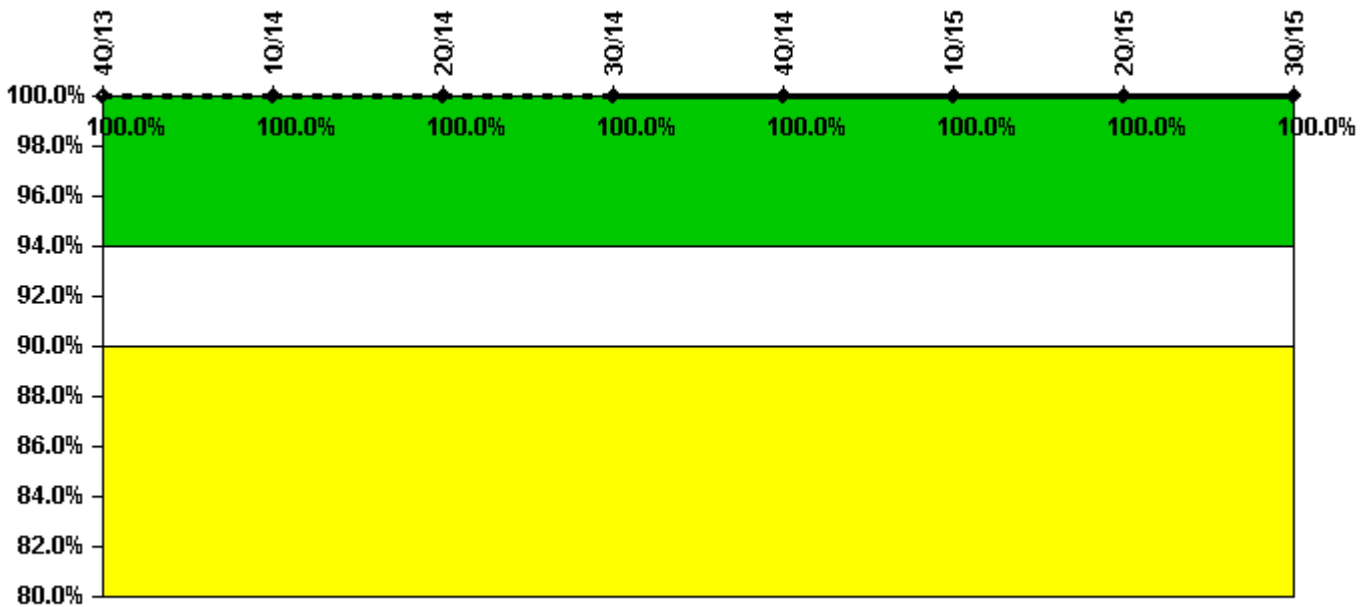
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	118.0	120.0	117.0	120.0	118.0	120.0	117.0	121.0
Total Key personnel	120.0	123.0	117.0	121.0	119.0	120.0	117.0	121.0
Indicator value	98.3%	97.6%	100.0%	99.2%	99.2%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



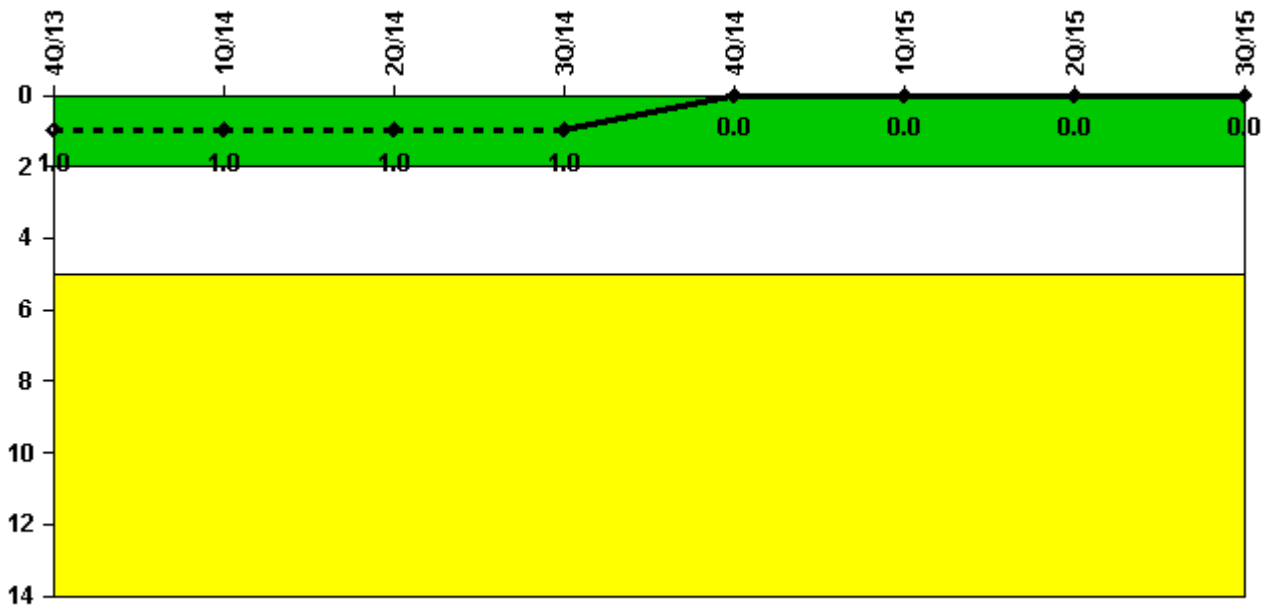
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	1048	917	917	1310	1048	917	1047	1178
Total sirens-tests	1048	917	917	1310	1048	917	1048	1179
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



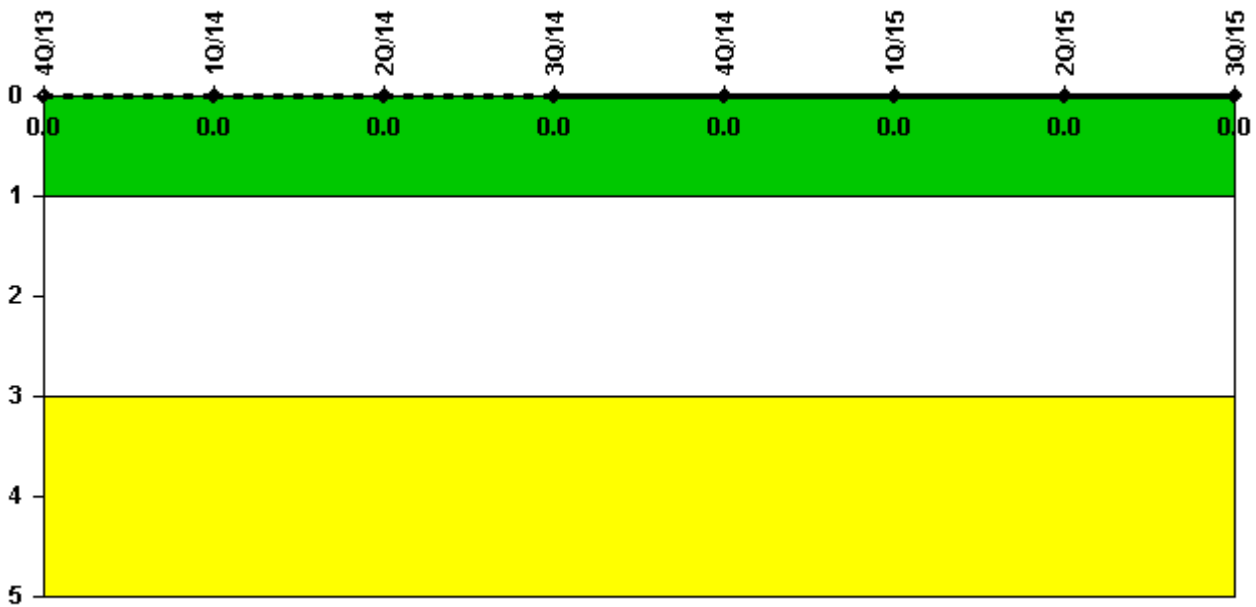
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
High radiation area occurrences	1	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	1	1	1	1	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
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: December 15, 2015

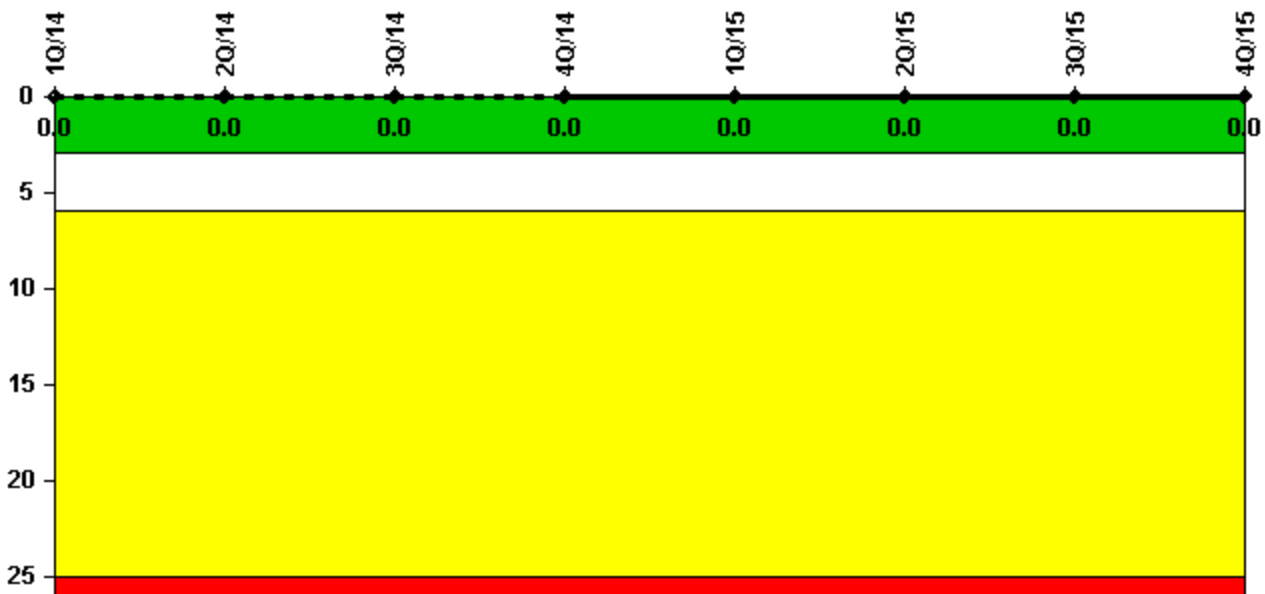
Diablo Canyon 1

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



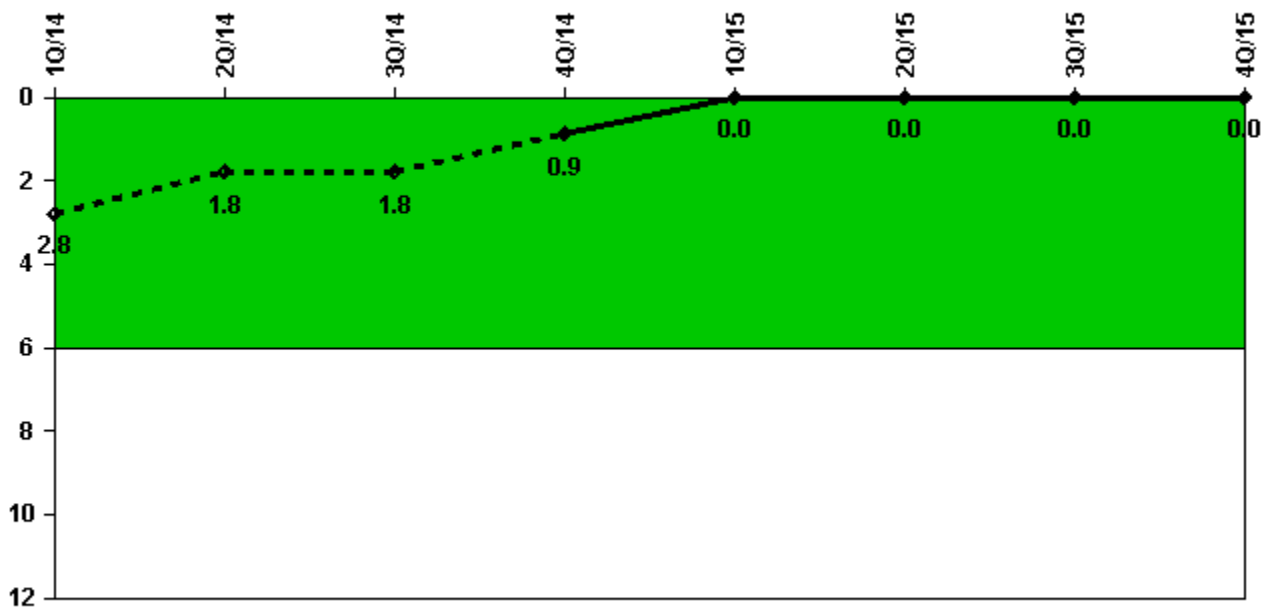
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1166.1	2184.0	2208.0	2190.0	2081.4	2184.0	2208.0	1400.5
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

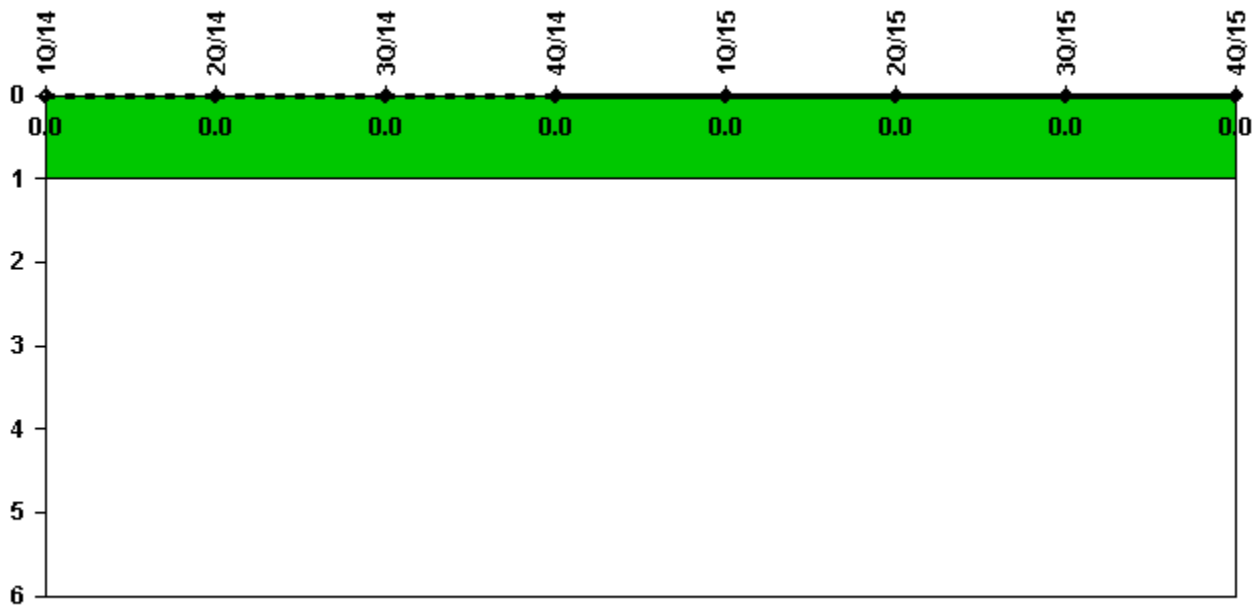
Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1166.1	2184.0	2208.0	2190.0	2081.4	2184.0	2208.0	1400.5
Indicator value	2.8	1.8	1.8	0.9	0	0	0	0

Licensee Comments:

4Q/15: On December 11, 2015, Diablo Canyon Unit 1 was ramped to approximately 25 percent power due to ocean storm swells and biofouling of the condenser. The power change was made proactively in order to prevent a plant trip consistent with NEI 99-02, Revision 7, Appendix D FAQs for Diablo Canyon, and is therefore classified as unplanned, excluded per NEI 99-02. Reference SAPN 50828812.

1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

Unplanned Scrams with Complications



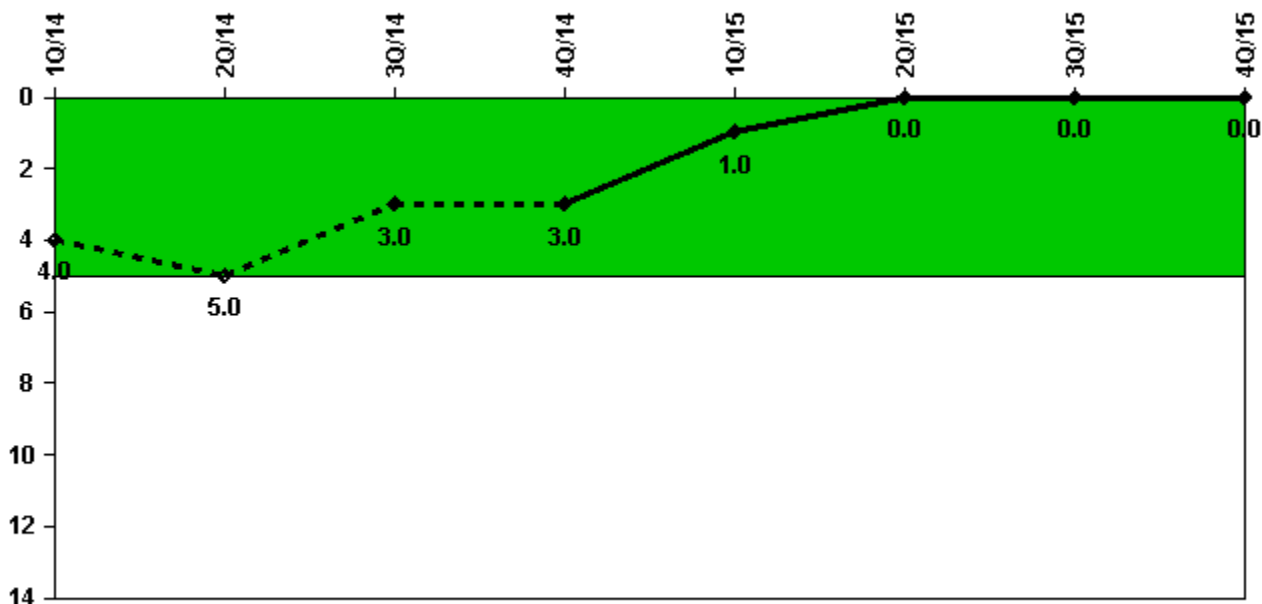
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	2	1	0	0	0	0	0	0
Indicator value	4	5	3	3	1	0	0	0

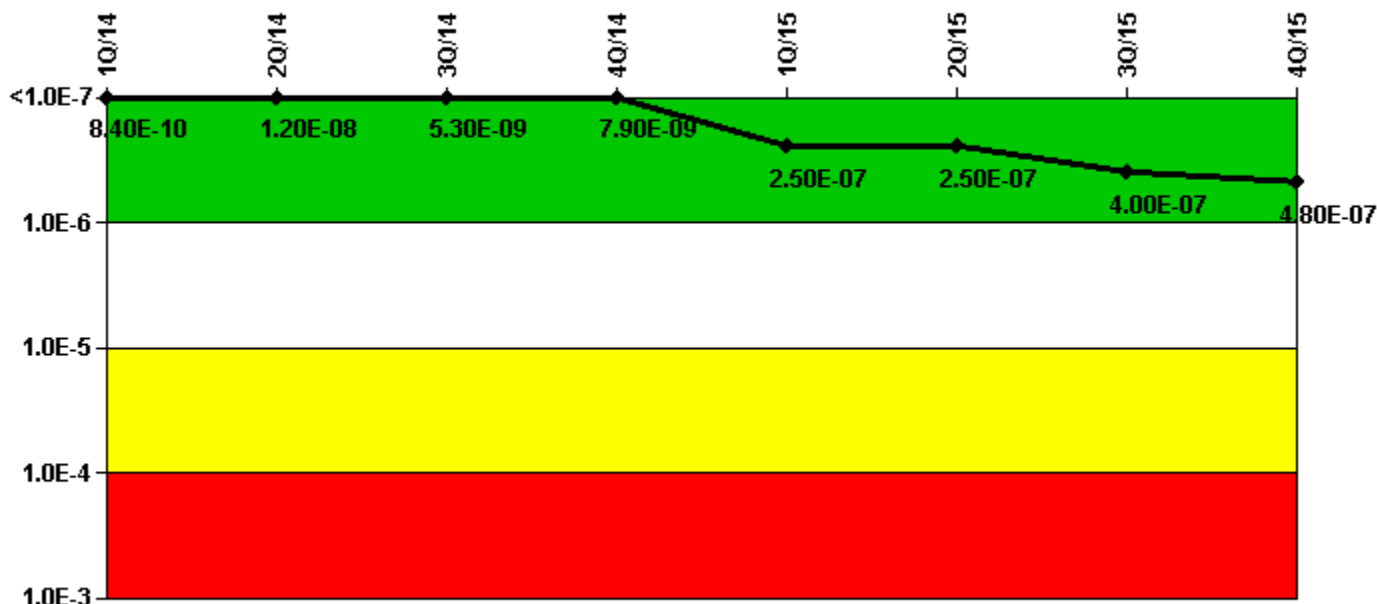
Licensee Comments:

1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

1Q/14: DCPD submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

Mitigating Systems Performance Index, Emergency AC Power System



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

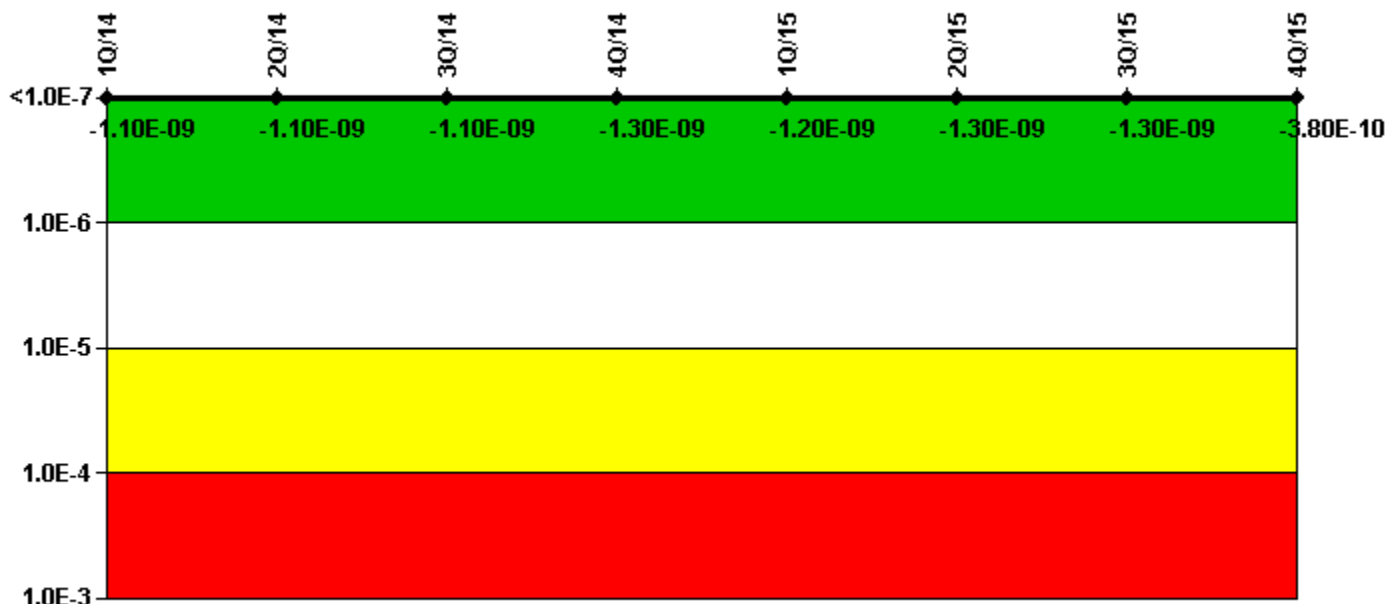
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	2.72E-08	2.58E-08	1.52E-08	1.65E-08	5.45E-09	4.42E-09	3.38E-08	5.96E-08
URI (ΔCDF)	-2.64E-08	-1.40E-08	-9.91E-09	-8.59E-09	2.41E-07	2.41E-07	3.66E-07	4.22E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.40E-10	1.20E-08	5.30E-09	7.90E-09	2.50E-07	2.50E-07	4.00E-07	4.80E-07

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

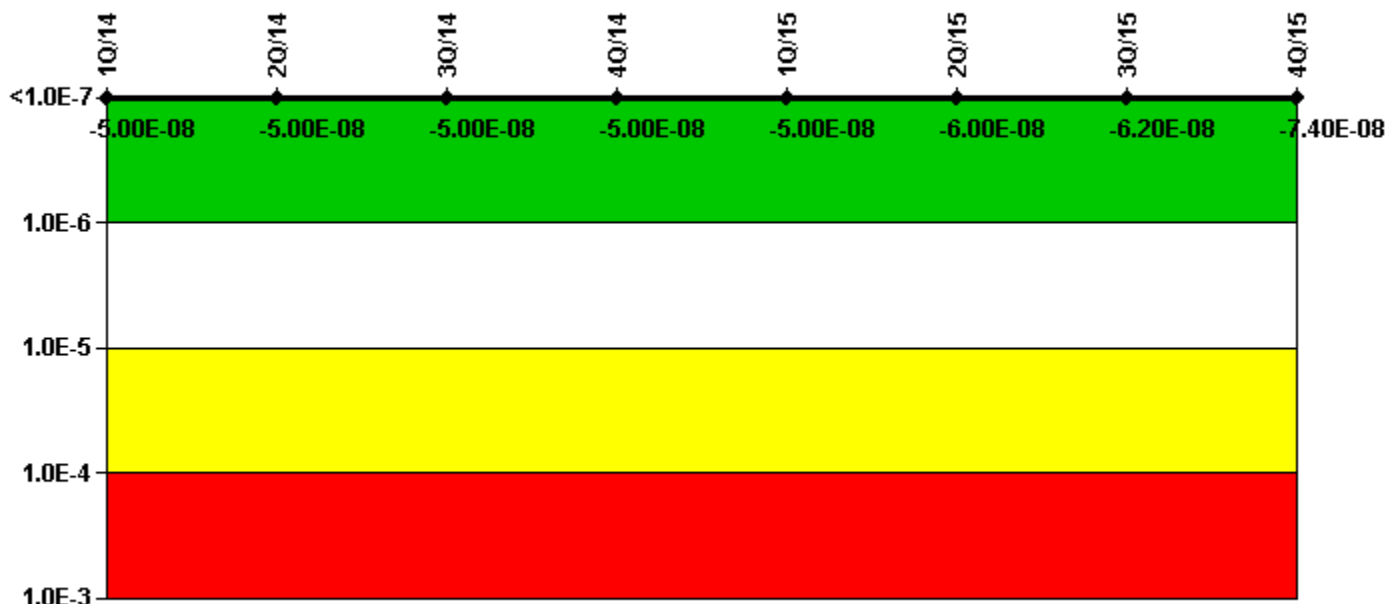
Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	3.94E-11	2.91E-11	6.69E-11	-1.42E-10	-4.03E-11	-1.68E-10	-1.52E-10	-1.19E-10
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-2.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-09	-1.10E-09	-1.10E-09	-1.30E-09	-1.20E-09	-1.30E-09	-1.30E-09	-3.80E-10

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

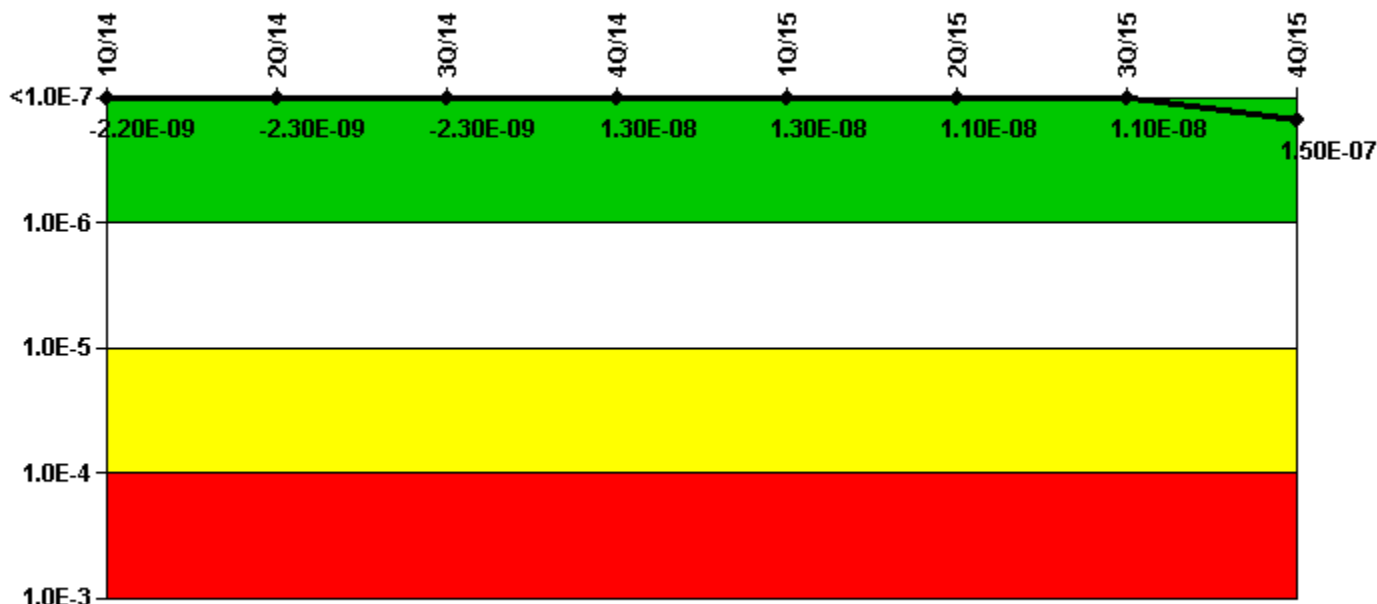
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-2.90E-10	-2.90E-10	-2.90E-10	-2.80E-10	-2.28E-10	-9.88E-09	-1.25E-08	-1.78E-08
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-6.00E-08	-6.20E-08	-7.40E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System



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

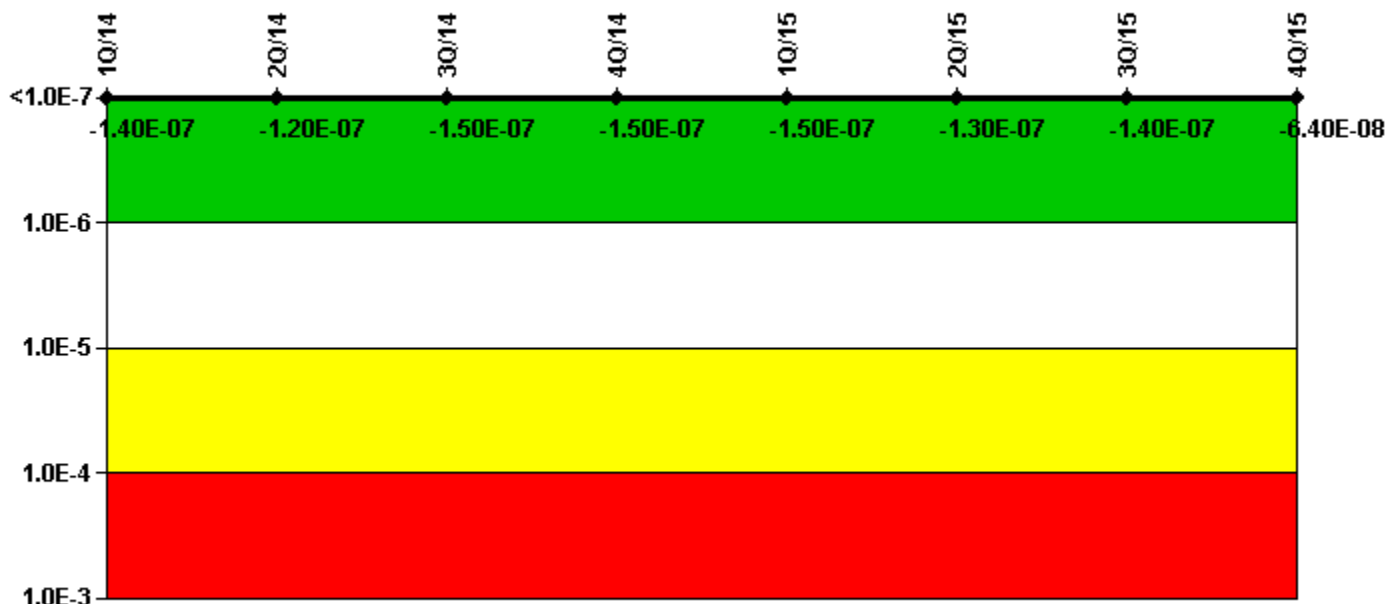
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	1.44E-08	1.44E-08	1.44E-08	2.94E-08	2.95E-08	2.79E-08	2.79E-08	3.87E-07
URI (ΔCDF)	-1.67E-08	-1.67E-08	-1.68E-08	-1.68E-08	-1.69E-08	-1.69E-08	-1.70E-08	-2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-09	-2.30E-09	-2.30E-09	1.30E-08	1.30E-08	1.10E-08	1.10E-08	1.50E-07

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems



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

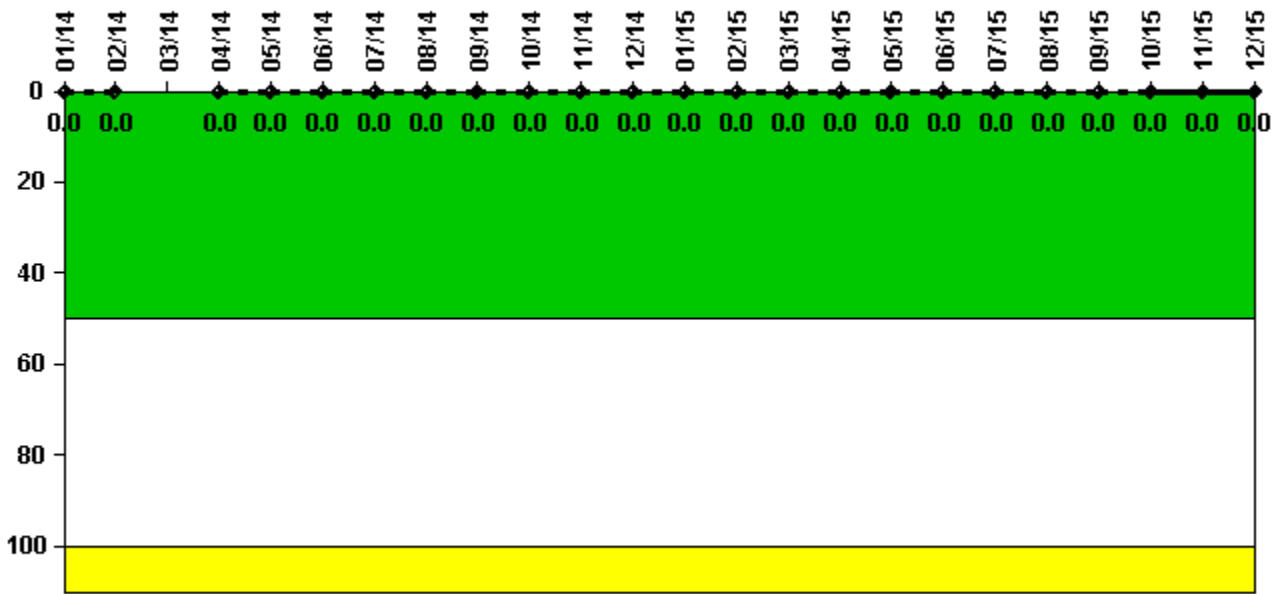
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-8.72E-08	-6.45E-08	-1.00E-07	-9.40E-08	-1.02E-07	-7.37E-08	-8.49E-08	-4.19E-08
URI (Δ CDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-1.20E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.30E-07	-1.40E-07	-6.40E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

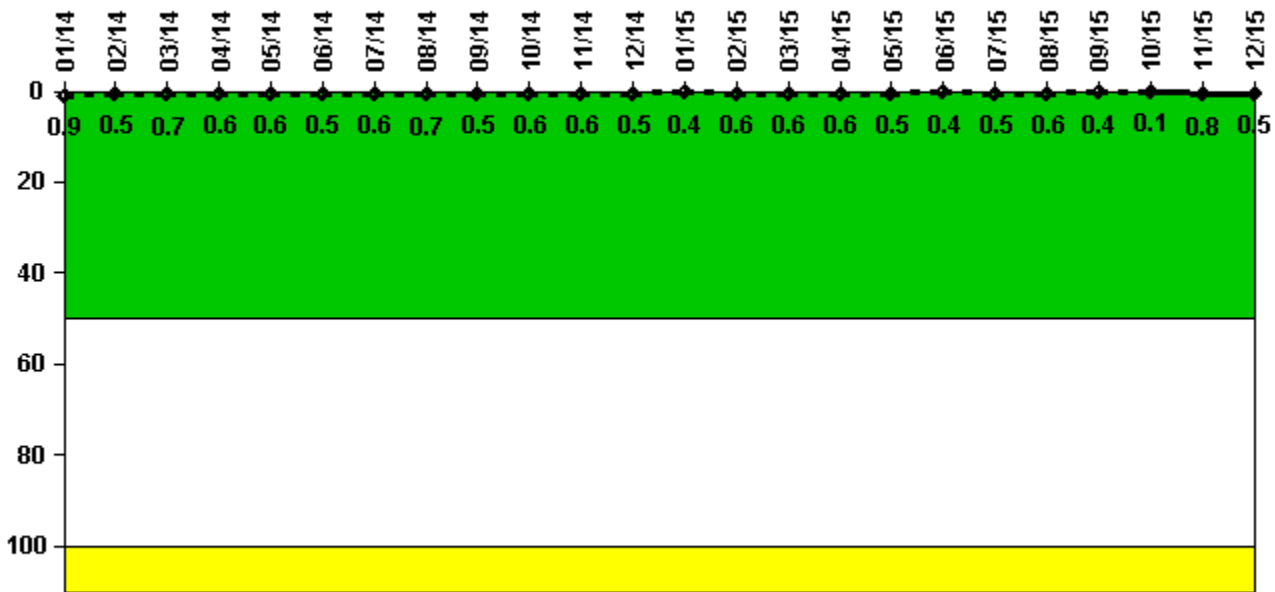
Notes

Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000081	0.000045	N/A	0.000030	0.000045	0.000047	0.000047	0.000038	0.000044	0.000045	0.000067	0.000048
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	N/A	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000048	0.000047	0.000062	0.000056	0.000056	0.000064	0.000067	0.000067	0.000071	0.000065	0.000048	0.000041
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



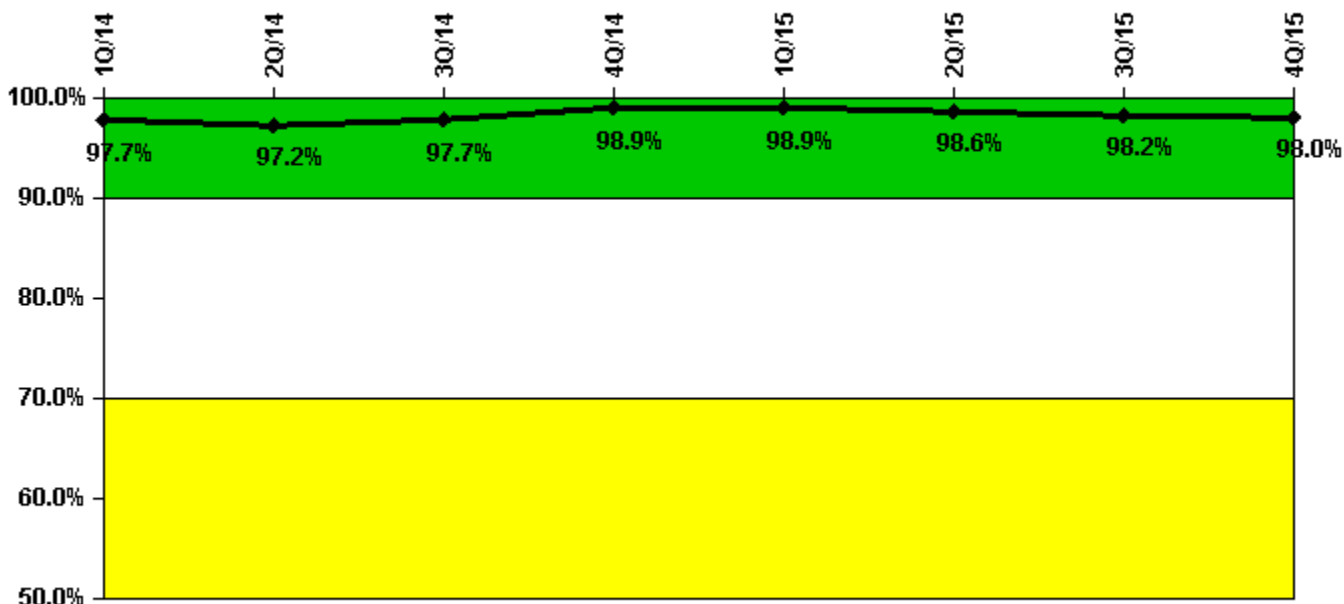
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.091	0.051	0.066	0.064	0.059	0.049	0.060	0.066	0.051	0.056	0.058	0.054
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	0.9	0.5	0.7	0.6	0.6	0.5	0.6	0.7	0.5	0.6	0.6	0.5
Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.041	0.064	0.057	0.060	0.053	0.042	0.051	0.061	0.044	0.005	0.075	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	0.4	0.6	0.6	0.6	0.5	0.4	0.5	0.6	0.4	0.1	0.8	0.5

Licensee Comments: none

Drill/Exercise Performance



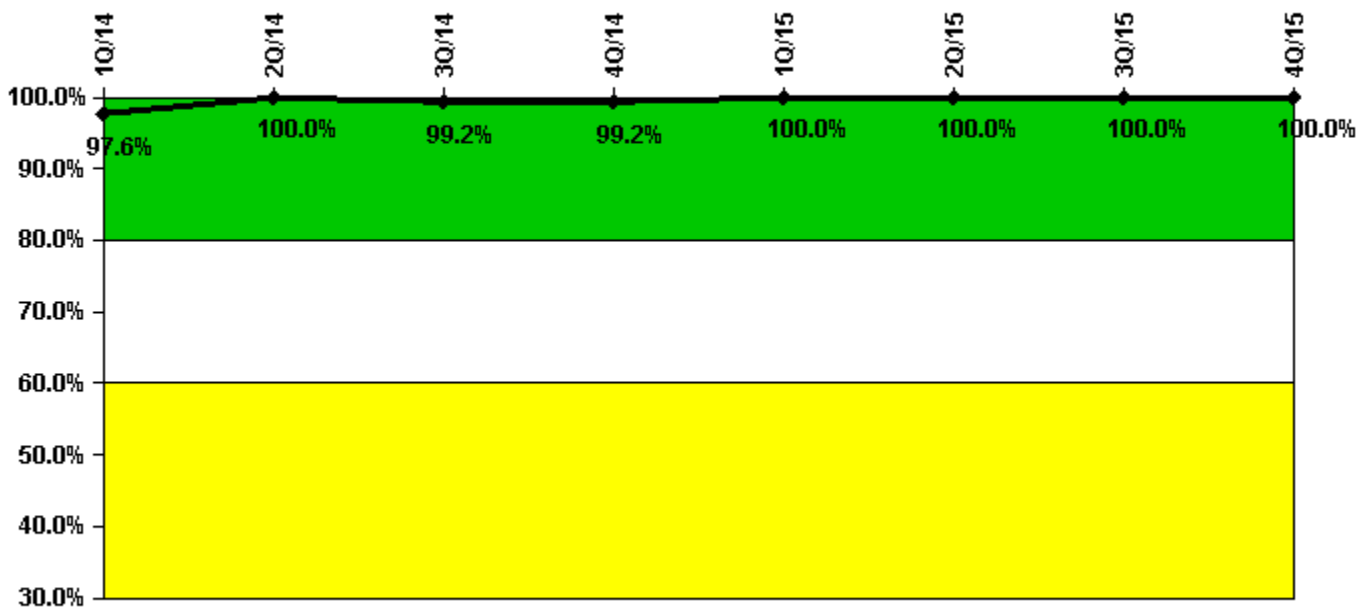
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	19.0	64.0	33.0	26.0	30.0	43.0	22.0	4.0
Total opportunities	19.0	67.0	33.0	26.0	30.0	44.0	23.0	4.0
Indicator value	97.7%	97.2%	97.7%	98.9%	98.9%	98.6%	98.2%	98.0%

Licensee Comments: none

ERO Drill Participation



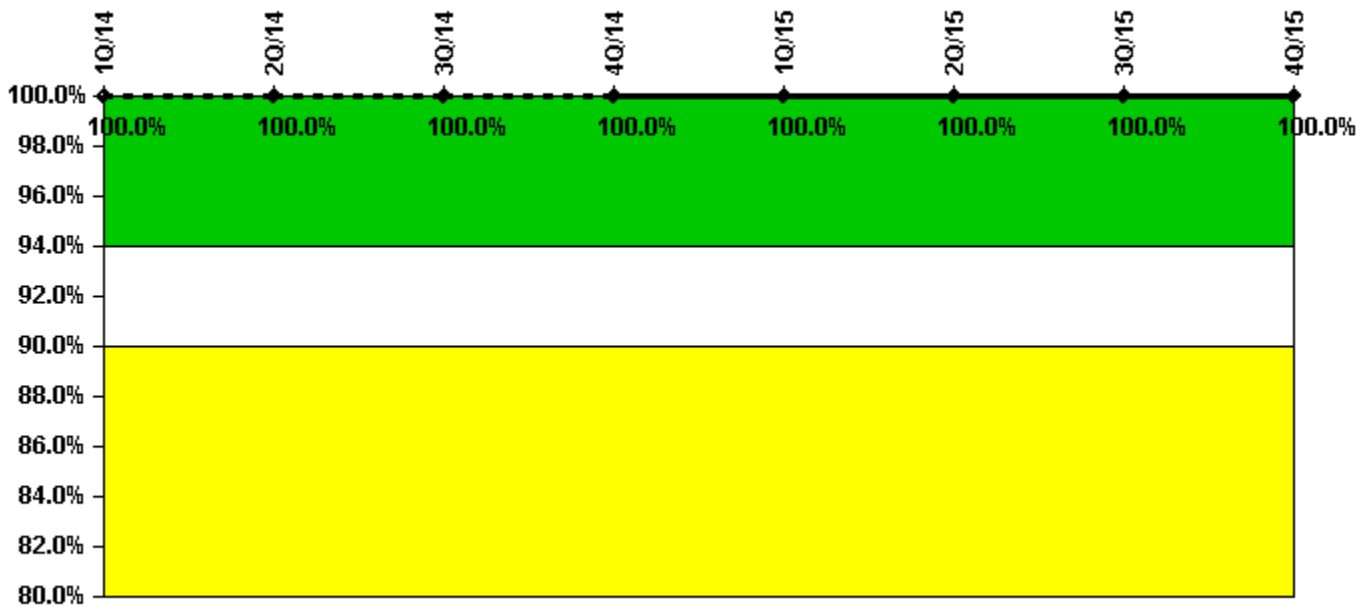
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	120.0	117.0	120.0	118.0	120.0	117.0	121.0	119.0
Total Key personnel	123.0	117.0	121.0	119.0	120.0	117.0	121.0	119.0
Indicator value	97.6%	100.0%	99.2%	99.2%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



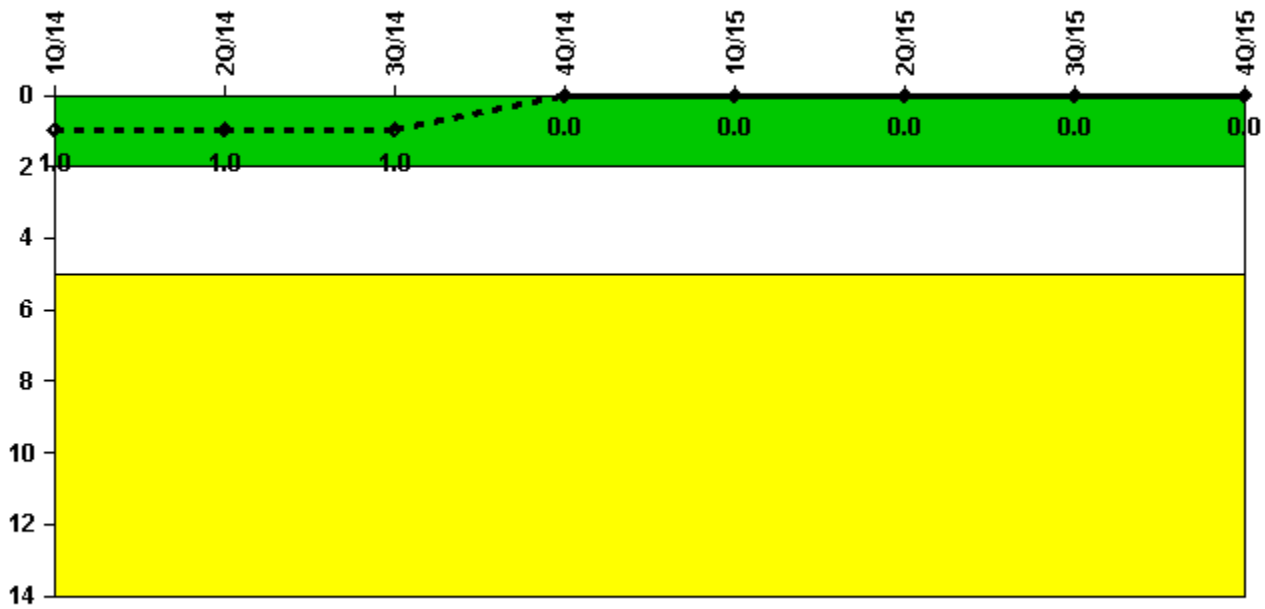
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	917	917	1310	1048	917	1047	1178	1048
Total sirens-tests	917	917	1310	1048	917	1048	1179	1048
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



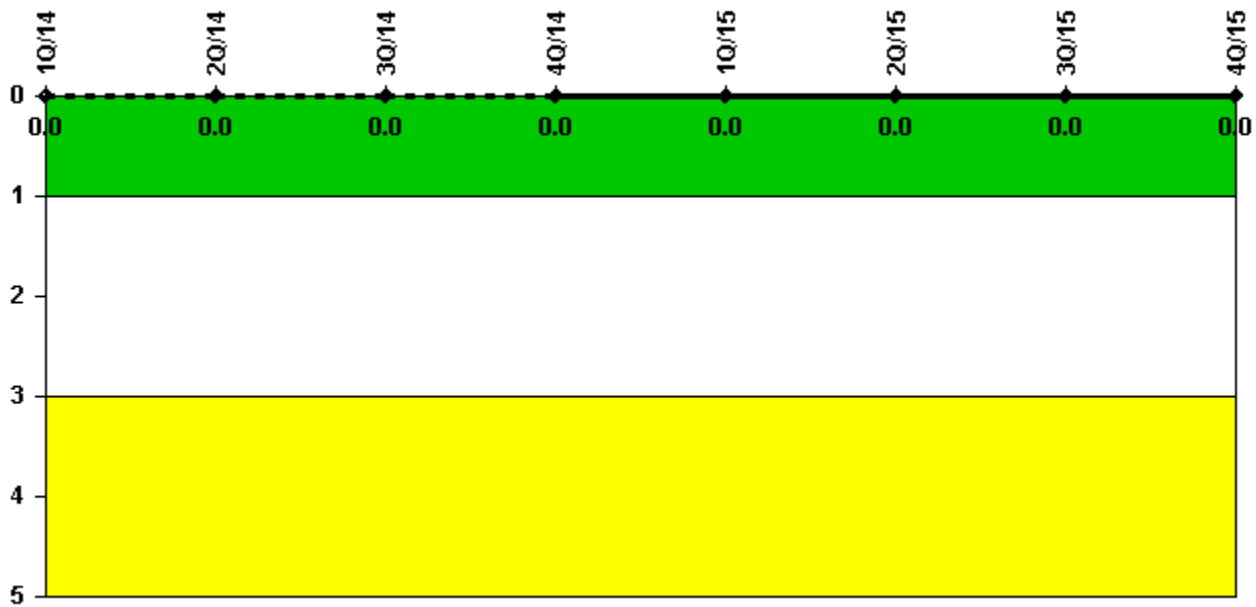
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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	1	1	1	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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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: March 1, 2016

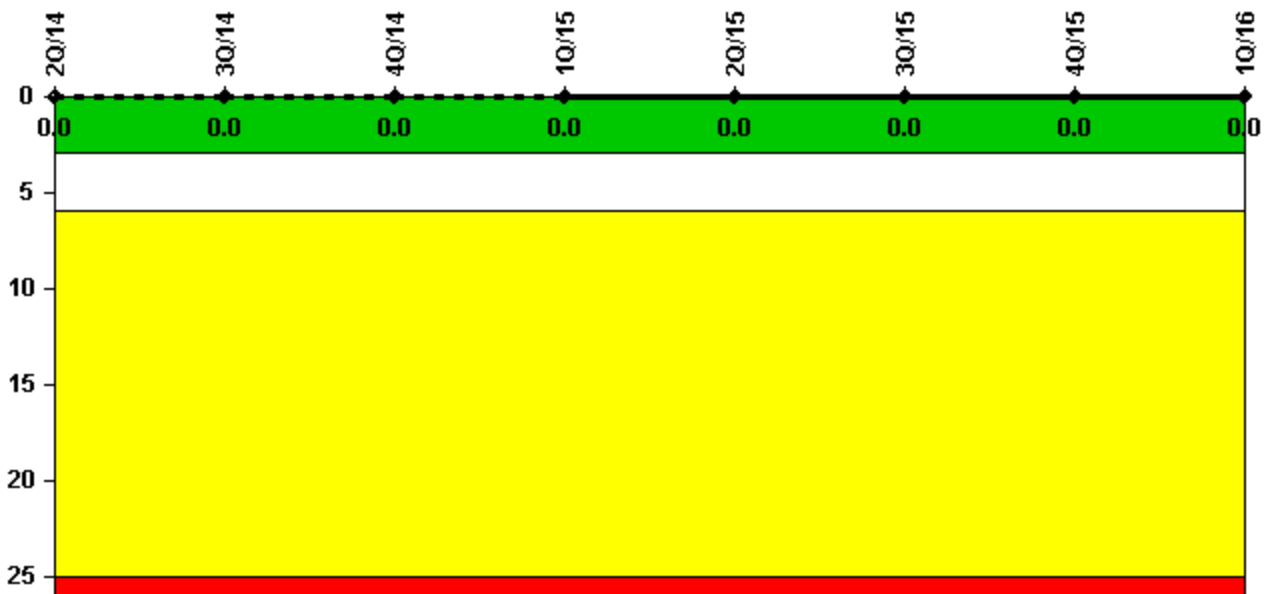
Diablo Canyon 1

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



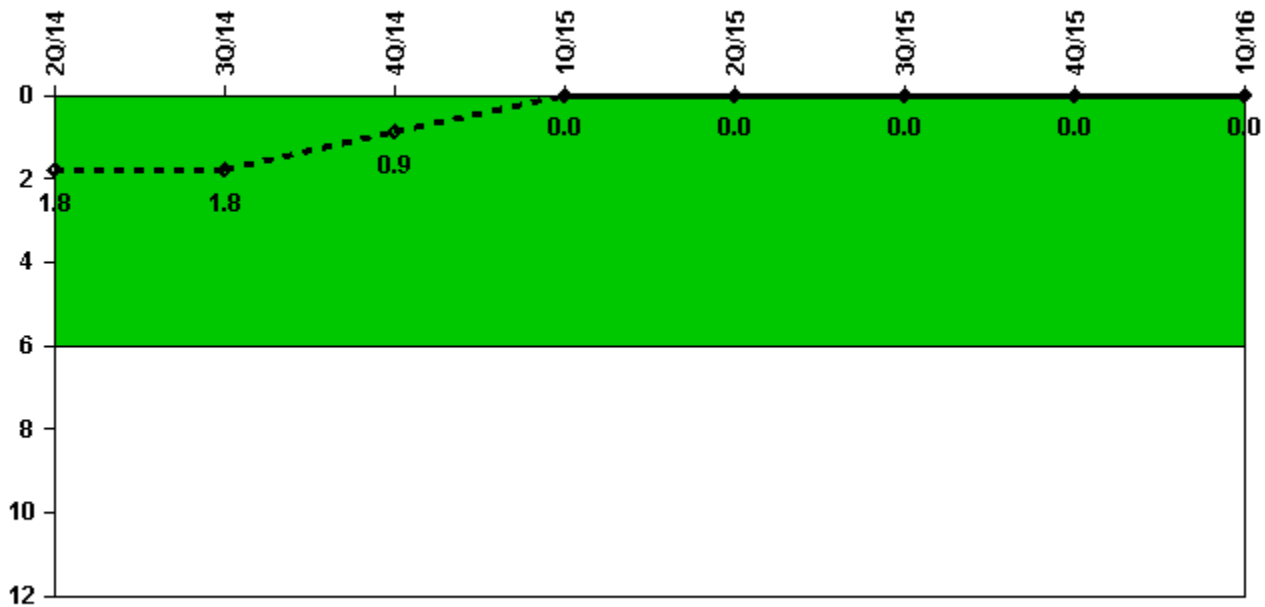
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2190.0	2081.4	2184.0	2208.0	1400.5	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

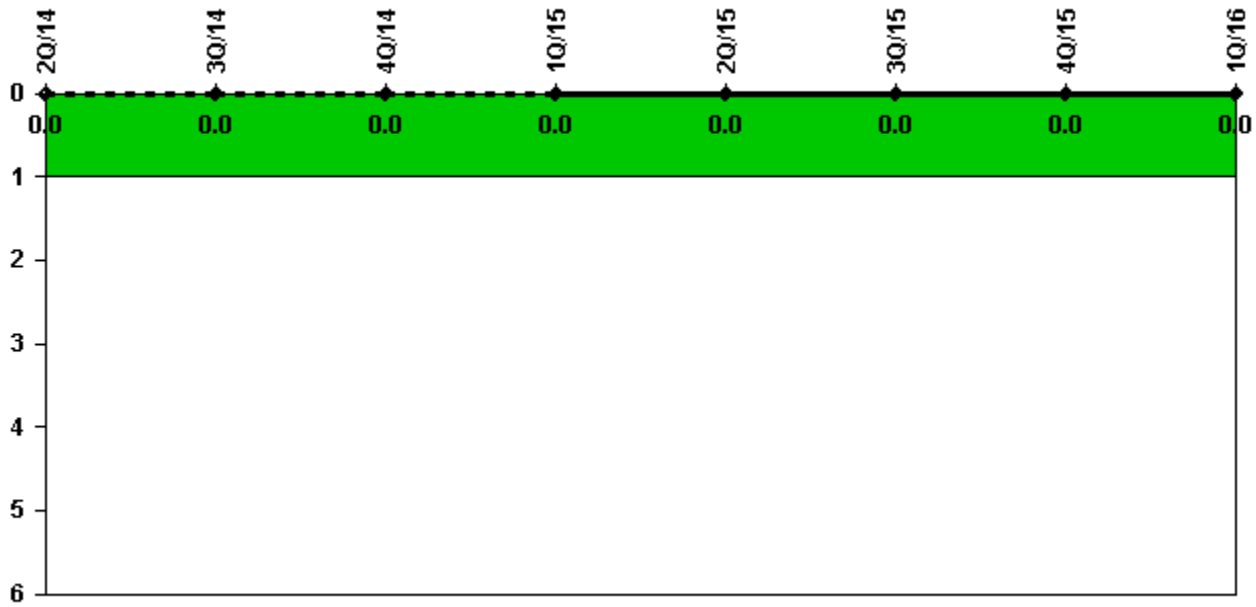
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2190.0	2081.4	2184.0	2208.0	1400.5	2183.0
Indicator value	1.8	1.8	0.9	0	0	0	0	0

Licensee Comments:

4Q/15: On December 11, 2015, Diablo Canyon Unit 1 was ramped to approximately 25 percent power due to ocean storm swells and biofouling of the condenser. The power change was made proactively in order to prevent a plant trip consistent with NEI 99-02, Revision 7, Appendix D FAQs for Diablo Canyon, and is therefore classified as unplanned, excluded per NEI 99-02. Reference SAPN 50828812.

Unplanned Scrams with Complications



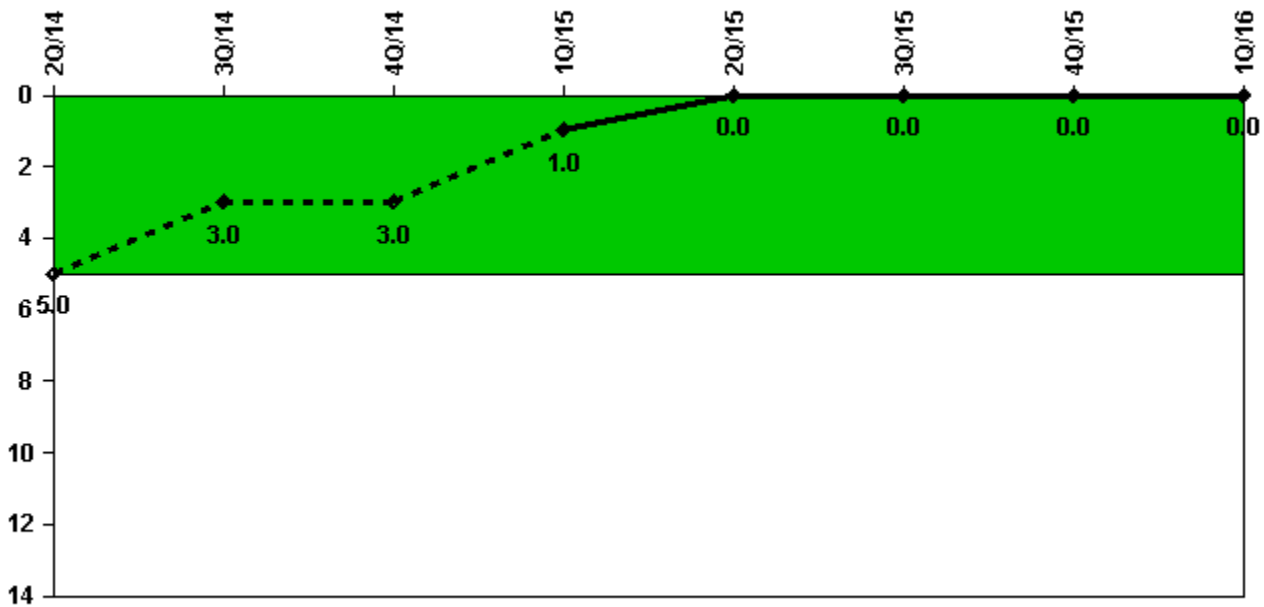
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
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

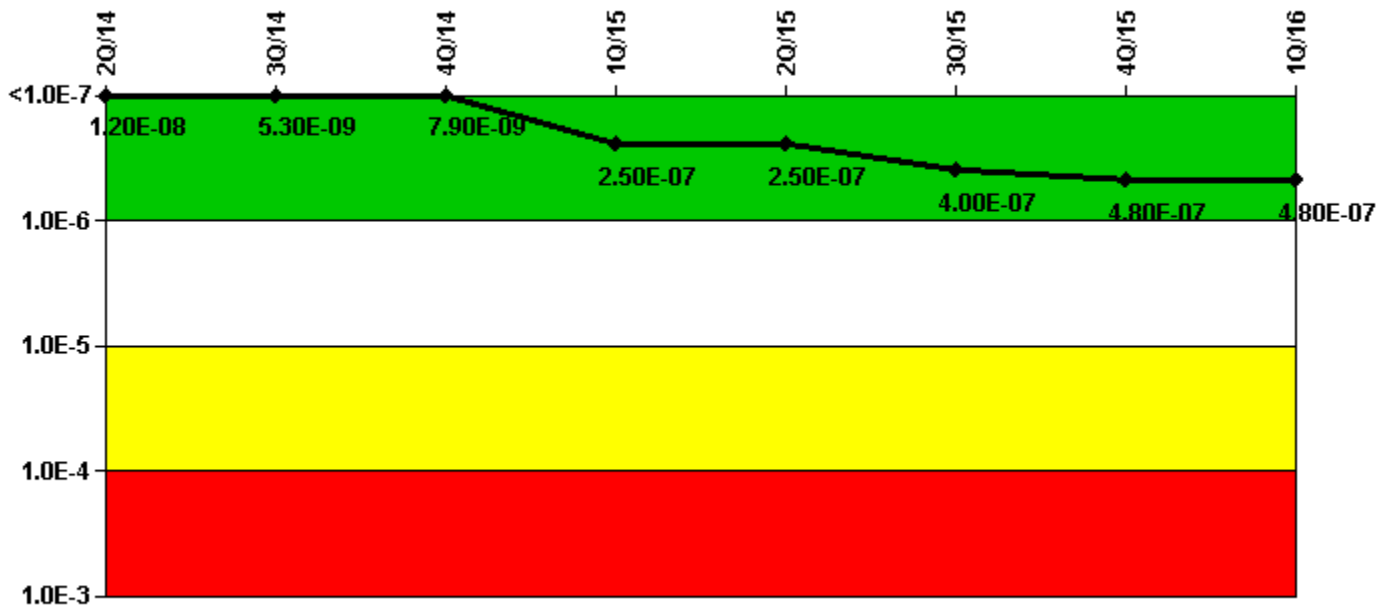
Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	5	3	3	1	0	0	0	0

Licensee Comments:

1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

Mitigating Systems Performance Index, Emergency AC Power System



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

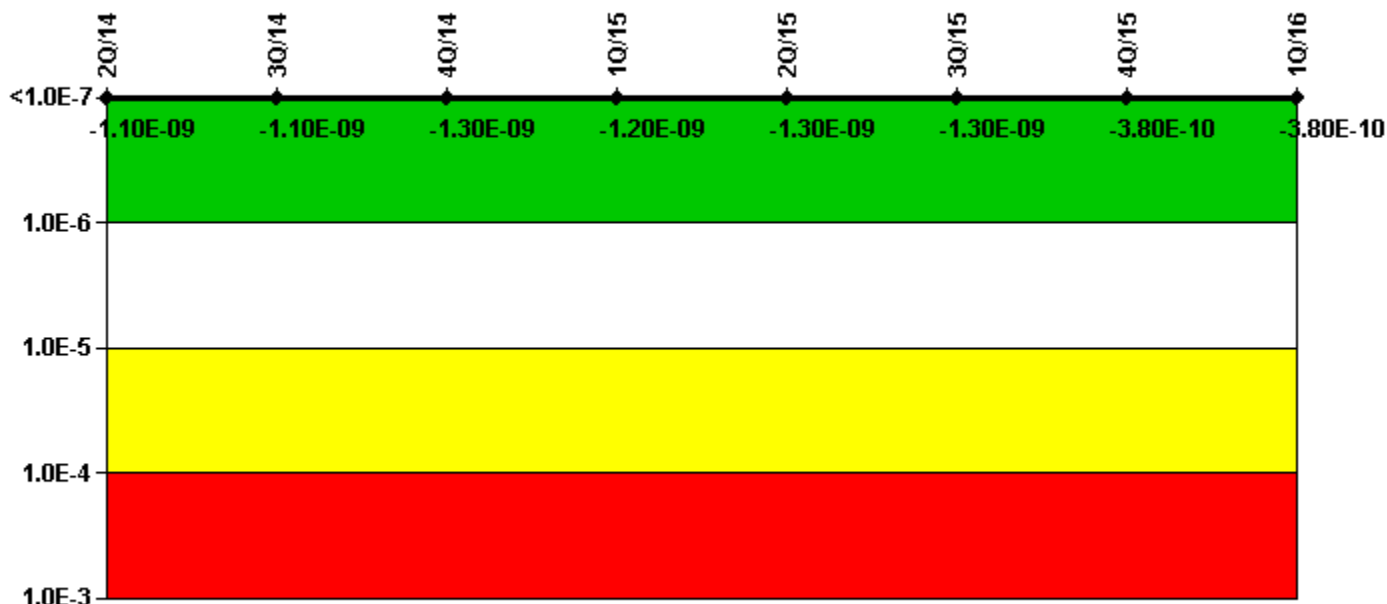
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	2.58E-08	1.52E-08	1.65E-08	5.45E-09	4.42E-09	3.38E-08	5.96E-08	6.00E-08
URI (Δ CDF)	-1.40E-08	-9.91E-09	-8.59E-09	2.41E-07	2.41E-07	3.66E-07	4.22E-07	4.22E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	5.30E-09	7.90E-09	2.50E-07	2.50E-07	4.00E-07	4.80E-07	4.80E-07

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

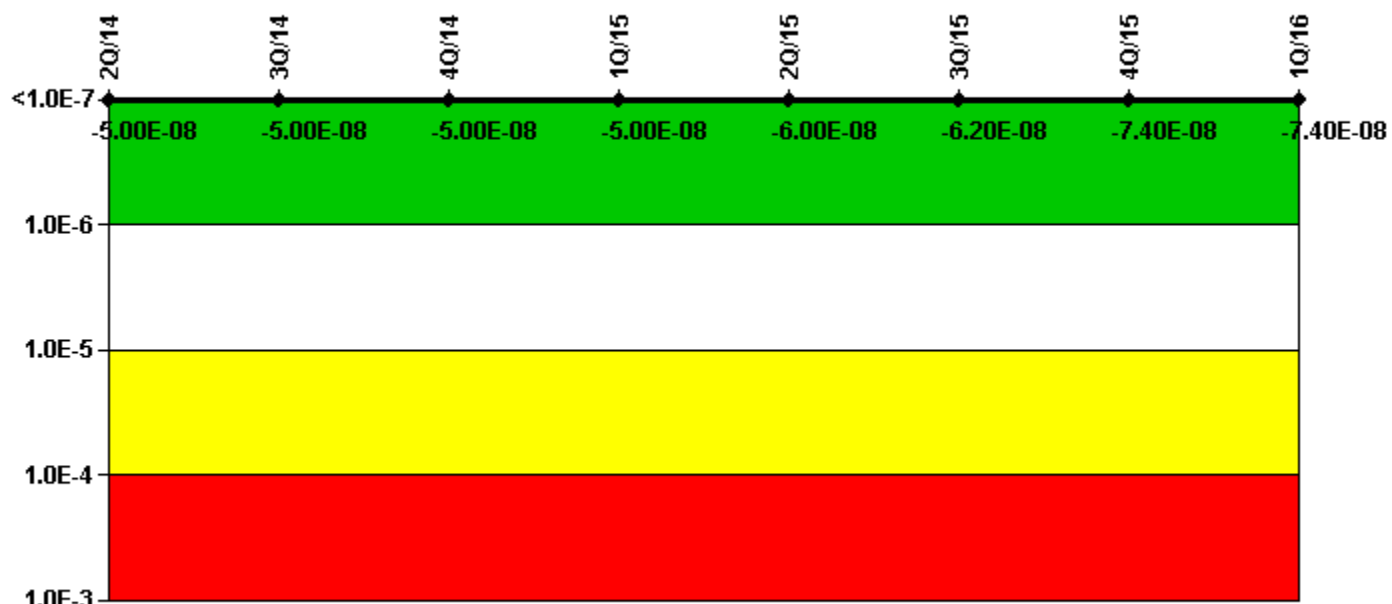
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	2.91E-11	6.69E-11	-1.42E-10	-4.03E-11	-1.68E-10	-1.52E-10	-1.19E-10	-1.19E-10
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-2.60E-10	-2.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-09	-1.10E-09	-1.30E-09	-1.20E-09	-1.30E-09	-1.30E-09	-3.80E-10	-3.80E-10

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

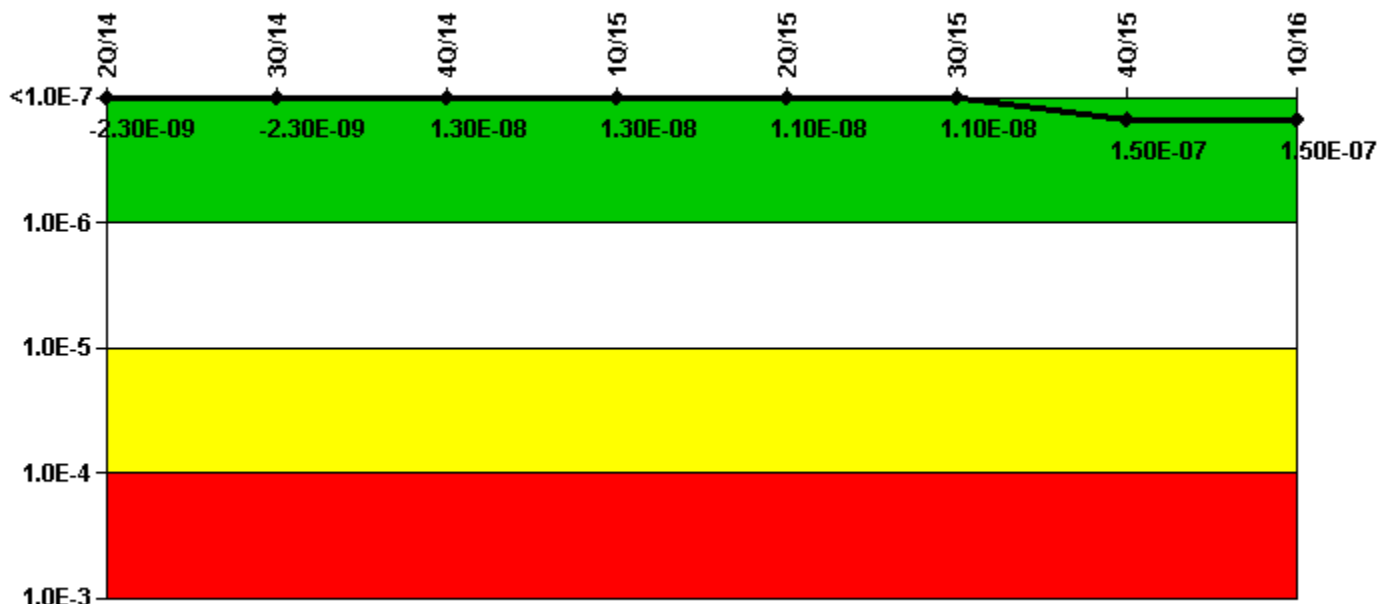
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	-2.90E-10	-2.90E-10	-2.80E-10	-2.28E-10	-9.88E-09	-1.25E-08	-1.78E-08	-1.78E-08
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-5.62E-08	-5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-6.00E-08	-6.20E-08	-7.40E-08	-7.40E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System



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

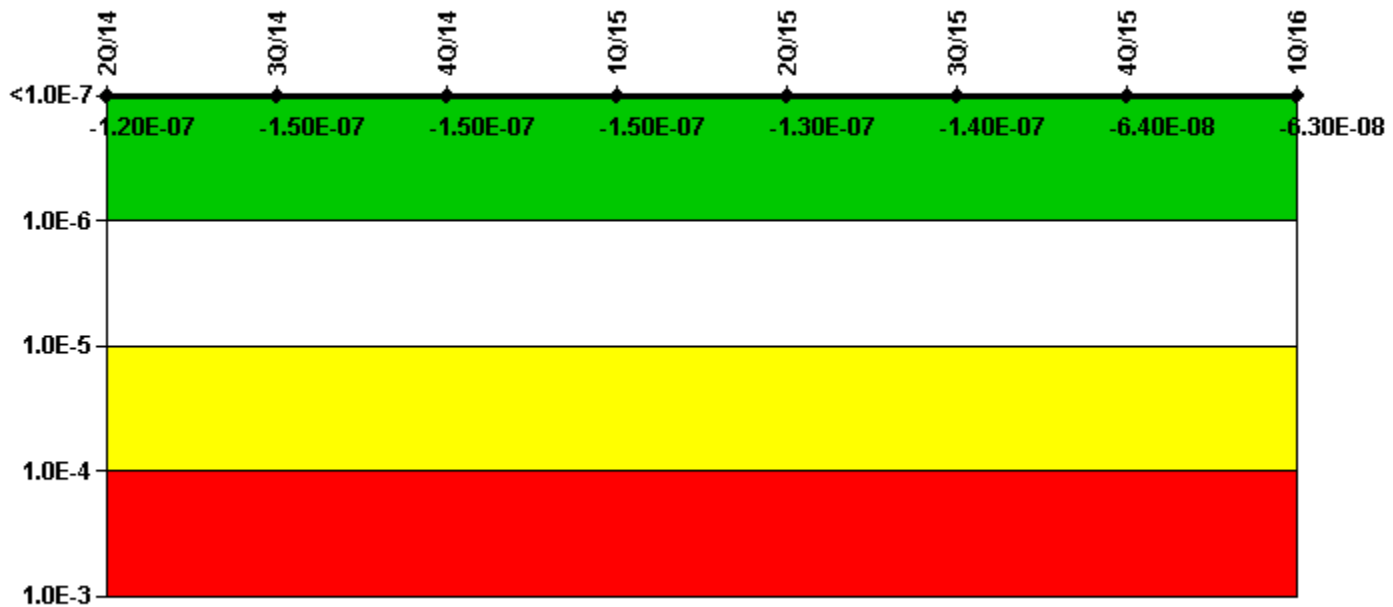
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	1.44E-08	1.44E-08	2.94E-08	2.95E-08	2.79E-08	2.79E-08	3.87E-07	3.86E-07
URI (ΔCDF)	-1.67E-08	-1.68E-08	-1.68E-08	-1.69E-08	-1.69E-08	-1.70E-08	-2.37E-07	-2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-09	-2.30E-09	1.30E-08	1.30E-08	1.10E-08	1.10E-08	1.50E-07	1.50E-07

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems



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

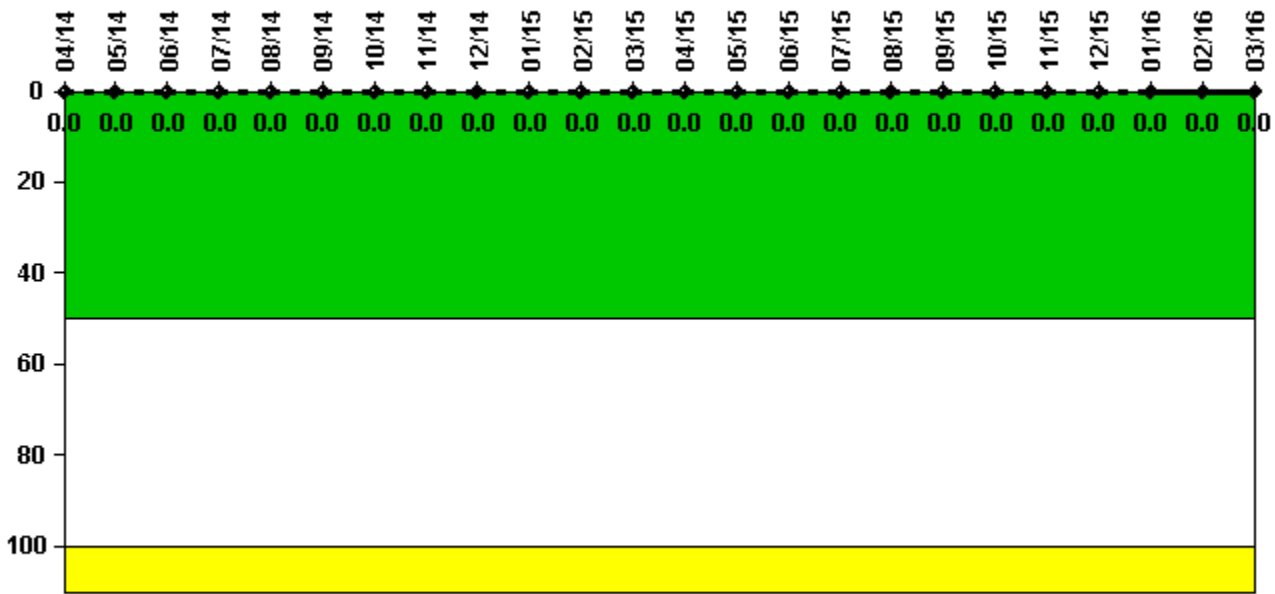
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	-6.45E-08	-1.00E-07	-9.40E-08	-1.02E-07	-7.37E-08	-8.49E-08	-4.19E-08	-4.10E-08
URI (ΔCDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.30E-07	-1.40E-07	-6.40E-08	-6.30E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Reactor Coolant System Activity



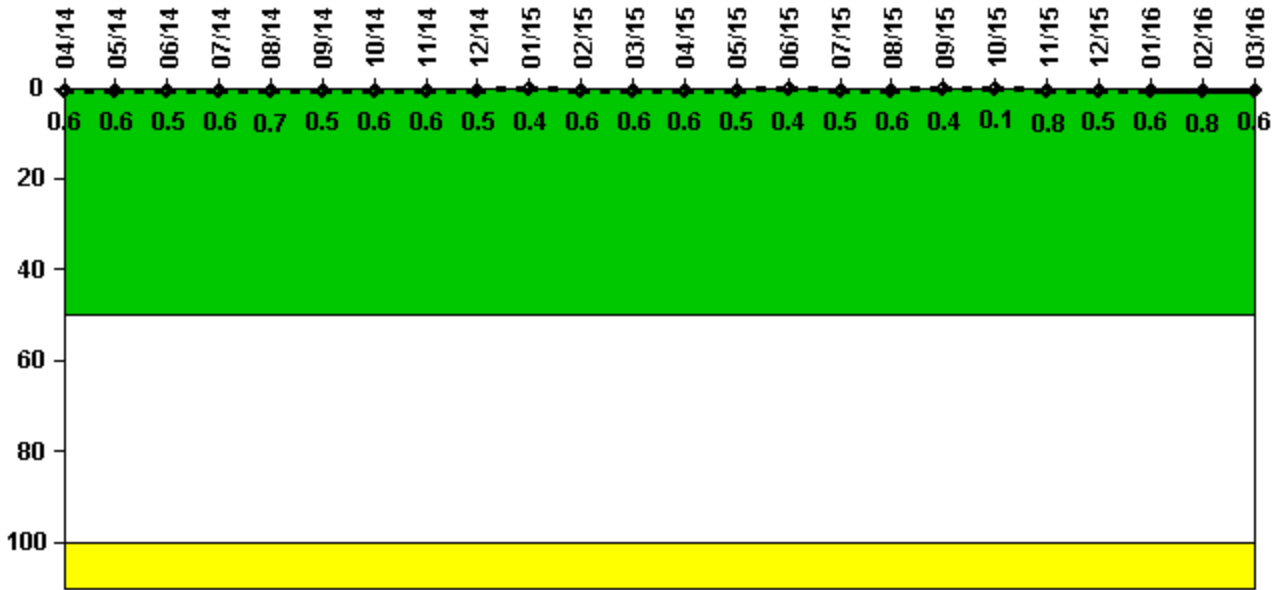
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	0.000030	0.000045	0.000047	0.000047	0.000038	0.000044	0.000045	0.000067	0.000048	0.000048	0.000047	0.000062
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
Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000056	0.000056	0.000064	0.000067	0.000067	0.000071	0.000065	0.000048	0.000041	0.000044	0.000050	0.000046
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

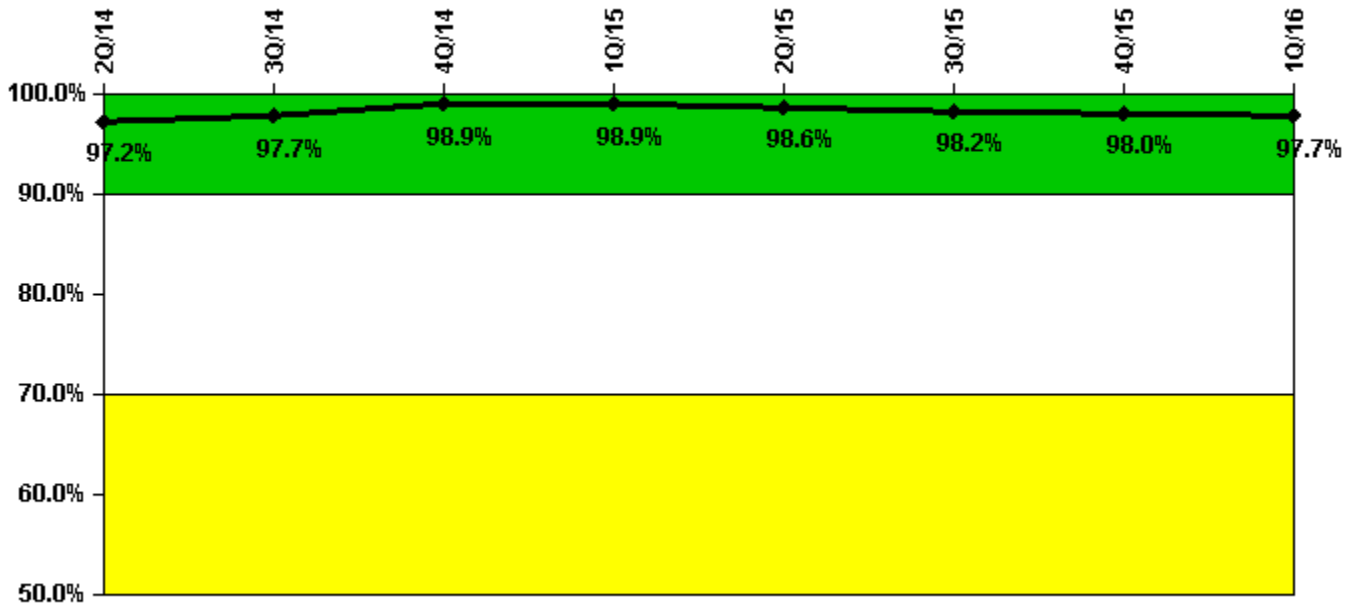
Notes

Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.064	0.059	0.049	0.060	0.066	0.051	0.056	0.058	0.054	0.041	0.064	0.057
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	0.6	0.6	0.5	0.6	0.7	0.5	0.6	0.6	0.5	0.4	0.6	0.6

Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	0.060	0.053	0.042	0.051	0.061	0.044	0.005	0.075	0.051	0.061	0.081	0.058
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	0.6	0.5	0.4	0.5	0.6	0.4	0.1	0.8	0.5	0.6	0.8	0.6

Licensee Comments: none

Drill/Exercise Performance



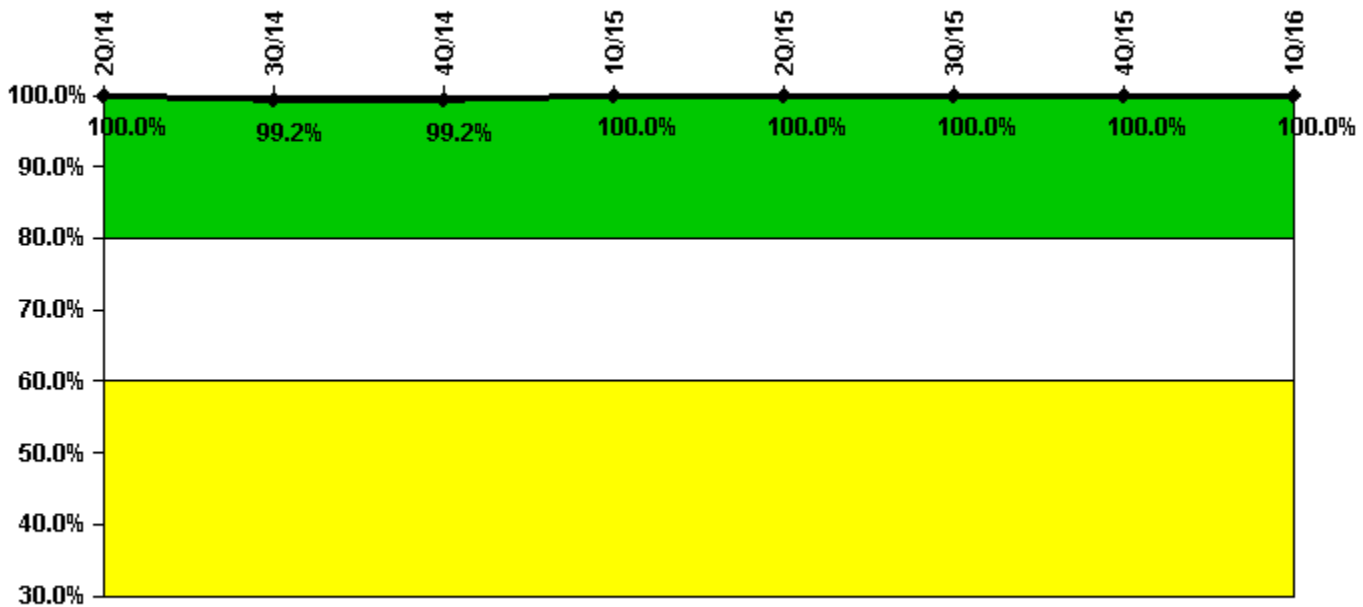
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	64.0	33.0	26.0	30.0	43.0	22.0	4.0	37.0
Total opportunities	67.0	33.0	26.0	30.0	44.0	23.0	4.0	38.0
Indicator value	97.2%	97.7%	98.9%	98.9%	98.6%	98.2%	98.0%	97.7%

Licensee Comments: none

ERO Drill Participation



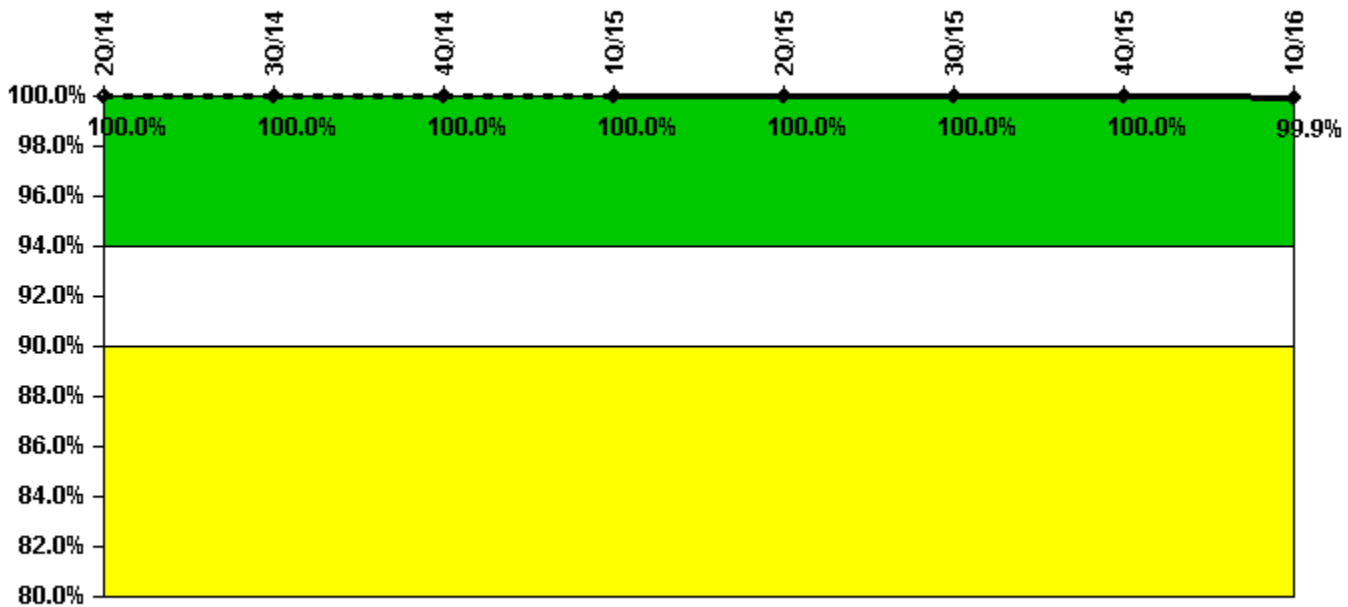
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	117.0	120.0	118.0	120.0	117.0	121.0	119.0	121.0
Total Key personnel	117.0	121.0	119.0	120.0	117.0	121.0	119.0	121.0
Indicator value	100.0%	99.2%	99.2%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



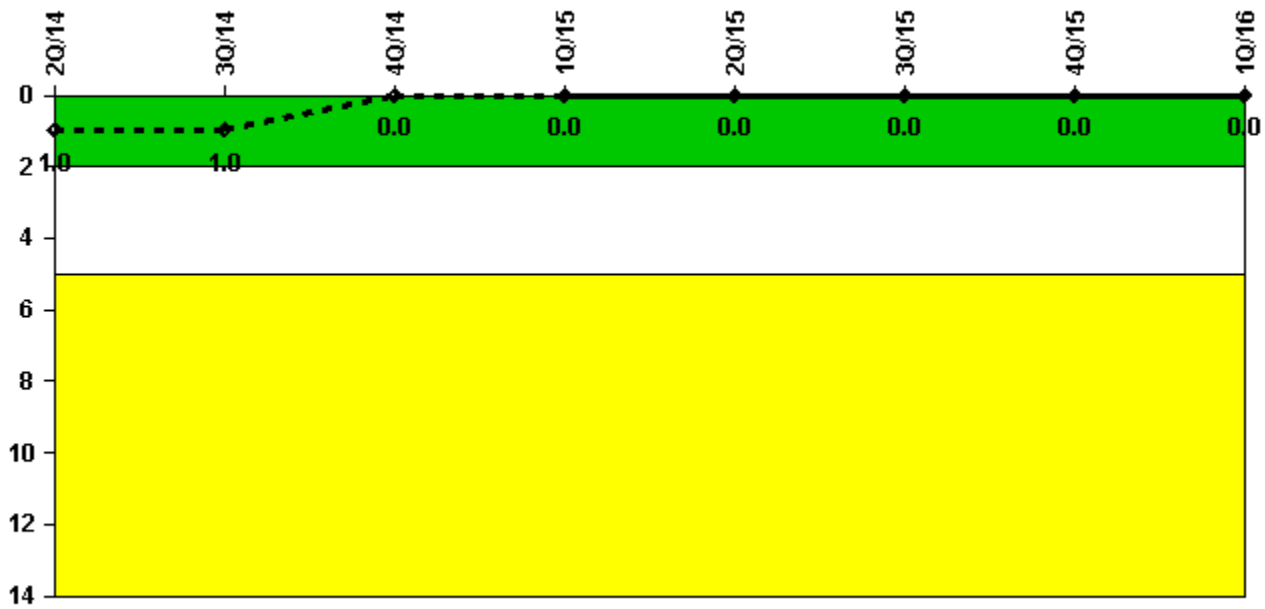
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	917	1310	1048	917	1047	1178	1048	916
Total sirens-tests	917	1310	1048	917	1048	1179	1048	917
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



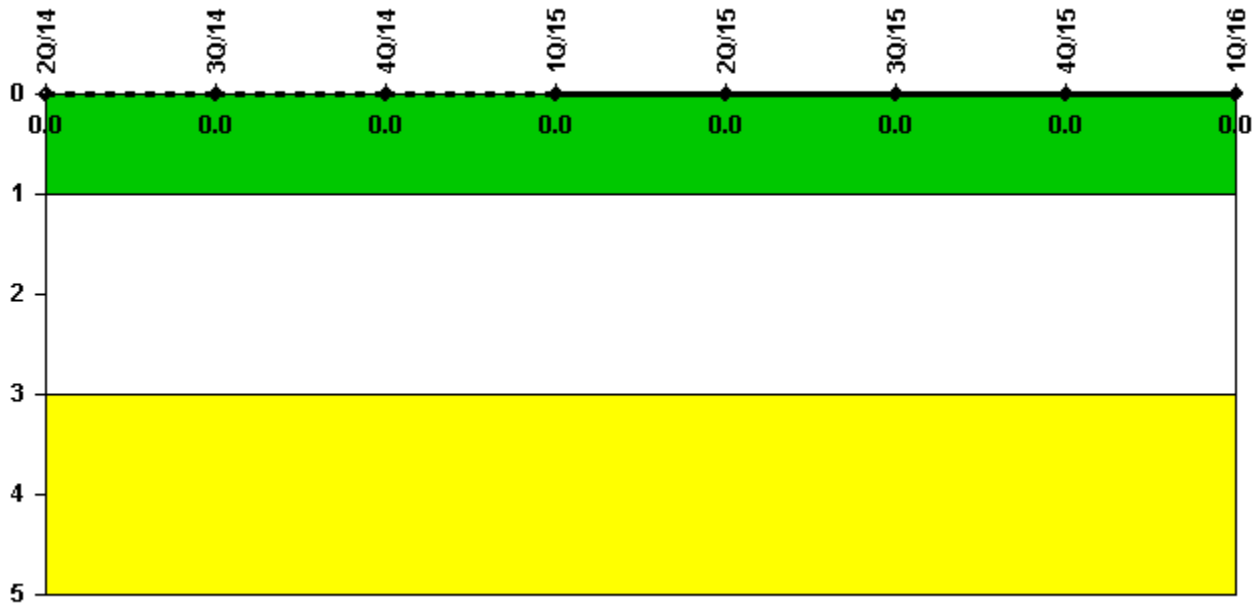
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
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	1	1	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/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
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: April 23, 2016

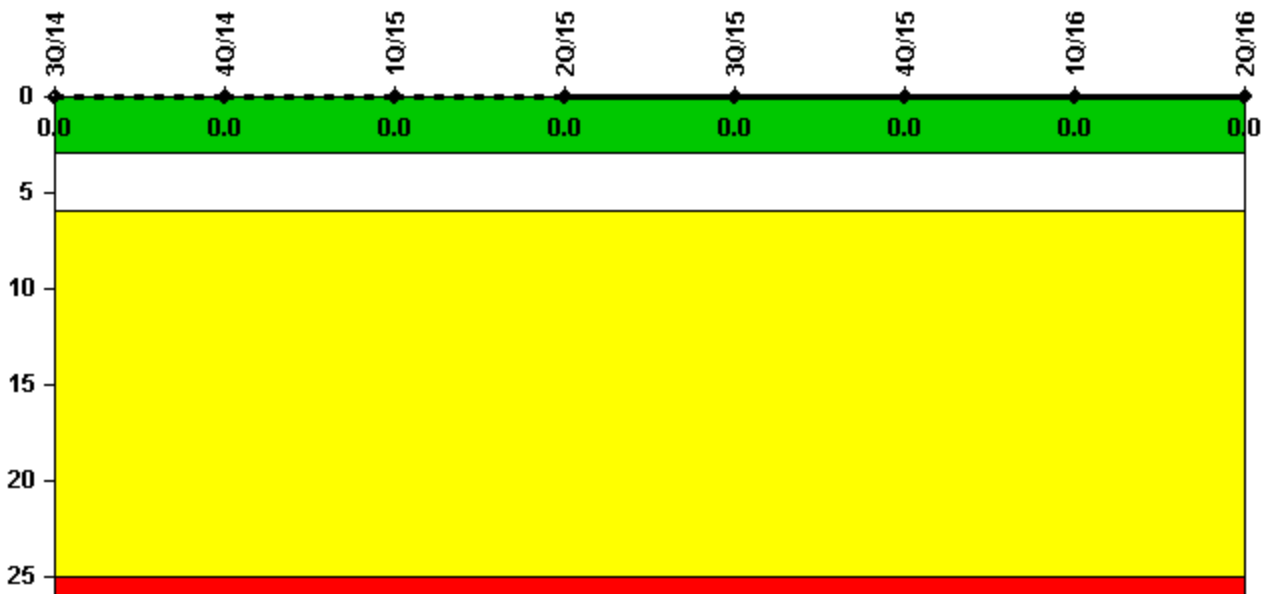
Diablo Canyon 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



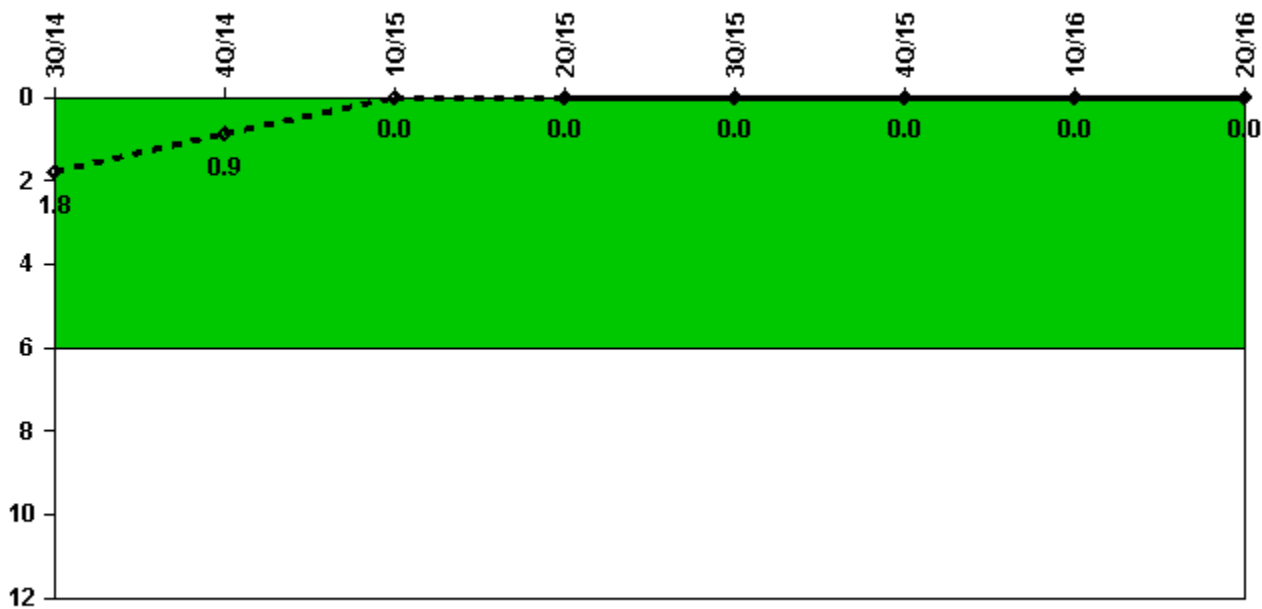
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2190.0	2081.4	2184.0	2208.0	1400.5	2183.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

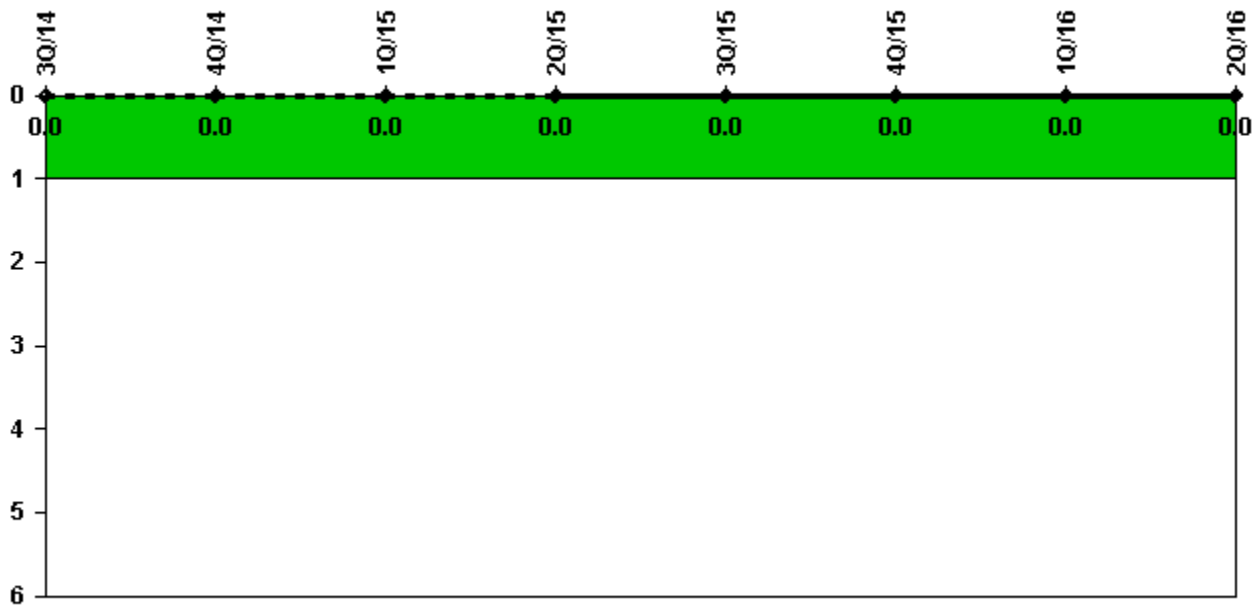
Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2190.0	2081.4	2184.0	2208.0	1400.5	2183.0	2184.0
Indicator value	1.8	0.9	0	0	0	0	0	0

Licensee Comments:

4Q/15: On December 11, 2015, Diablo Canyon Unit 1 was ramped to approximately 25 percent power due to ocean storm swells and biofouling of the condenser. The power change was made proactively in order to prevent a plant trip consistent with NEI 99-02, Revision 7, Appendix D FAQs for Diablo Canyon, and is therefore classified as unplanned, excluded per NEI 99-02. Reference SAPN 50828812.

Unplanned Scrams with Complications



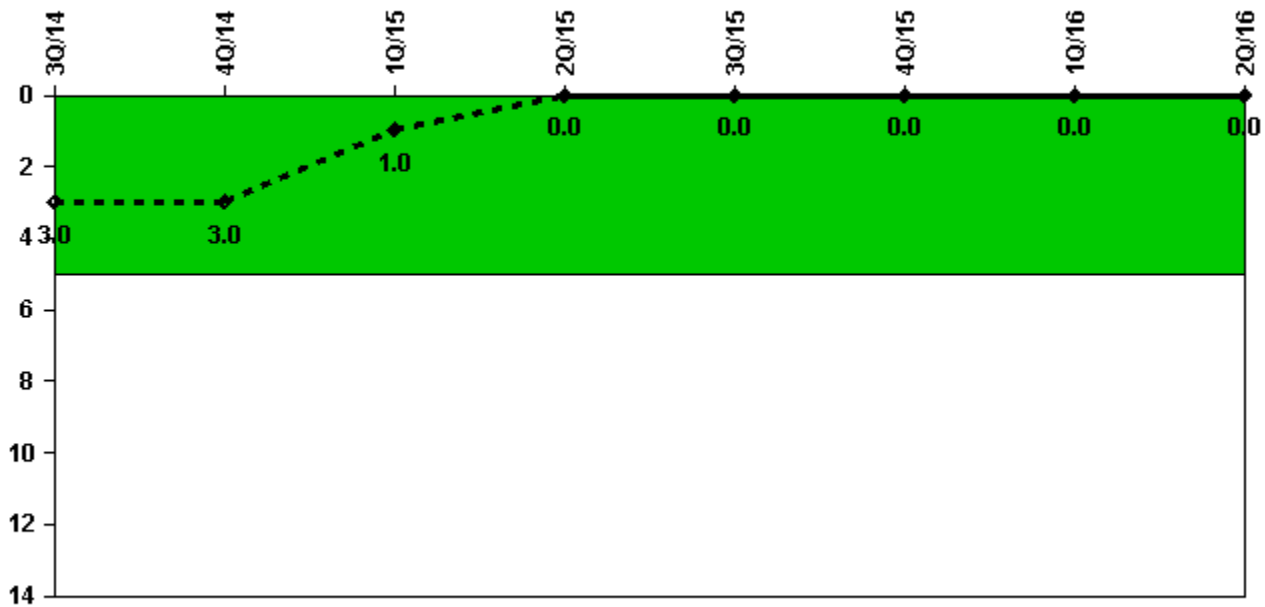
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
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

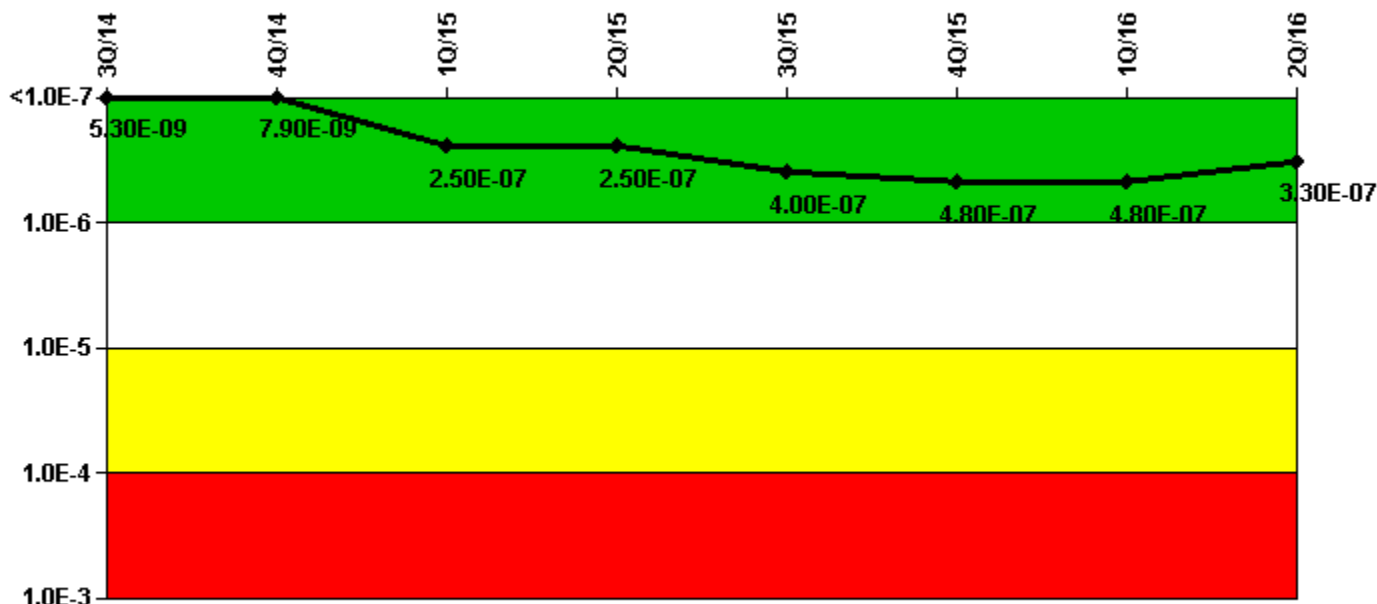
Notes

Safety System Functional Failures (PWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	3	3	1	0	0	0	0	0

Licensee Comments:

1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

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/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.52E-08	1.65E-08	5.45E-09	4.42E-09	3.38E-08	5.96E-08	6.00E-08	4.10E-08
URI (Δ CDF)	-9.91E-09	-8.59E-09	2.41E-07	2.41E-07	3.66E-07	4.22E-07	4.22E-07	2.84E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.30E-09	7.90E-09	2.50E-07	2.50E-07	4.00E-07	4.80E-07	4.80E-07	3.30E-07

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

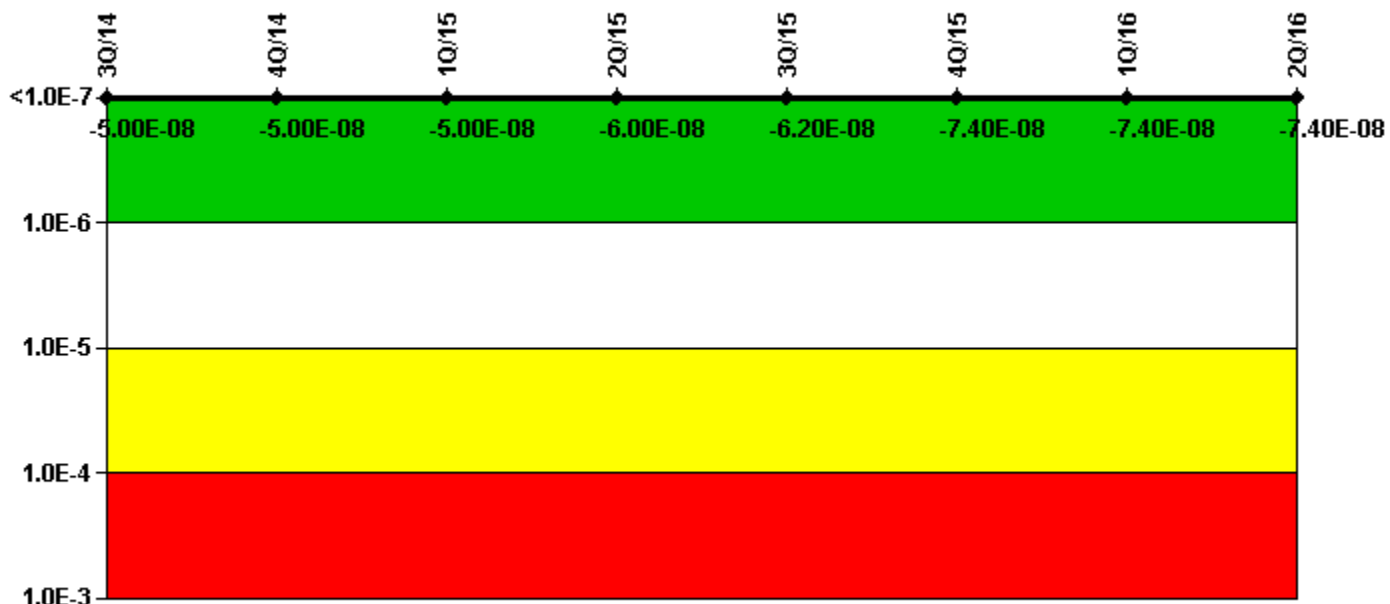
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	6.69E-11	-1.42E-10	-4.03E-11	-1.68E-10	-1.52E-10	-1.19E-10	-1.19E-10	-1.01E-10
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-2.60E-10	-2.60E-10	-2.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-09	-1.30E-09	-1.20E-09	-1.30E-09	-1.30E-09	-3.80E-10	-3.80E-10	-3.60E-10

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

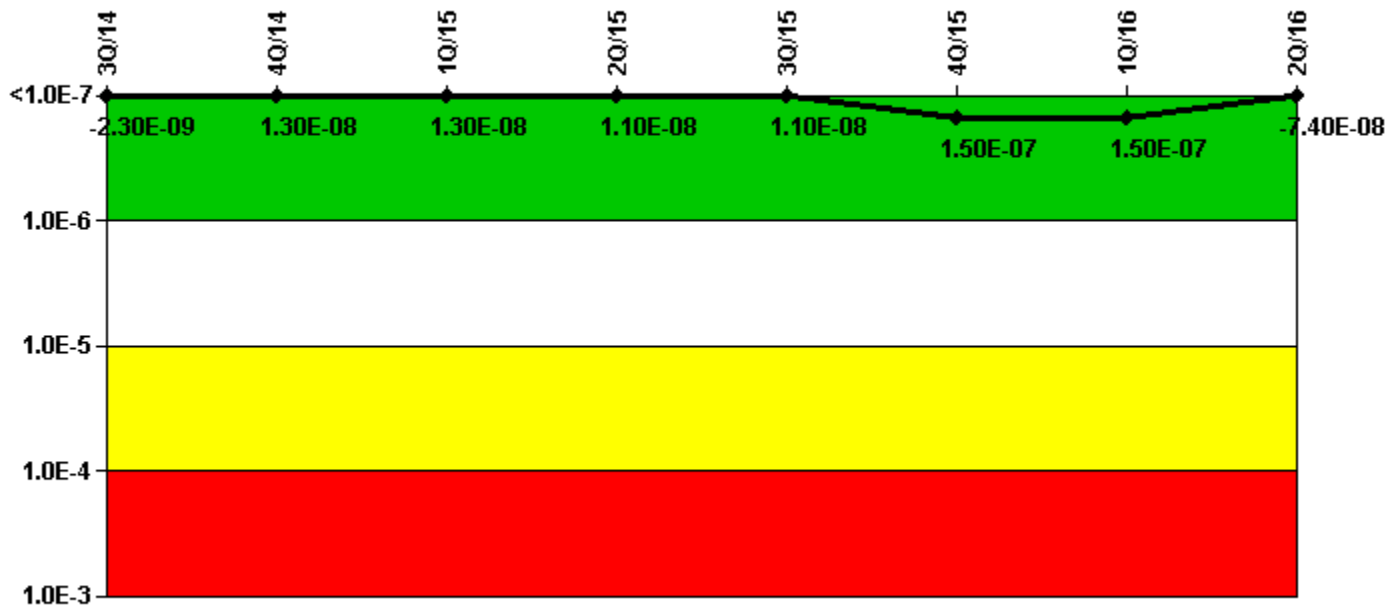
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-2.90E-10	-2.80E-10	-2.28E-10	-9.88E-09	-1.25E-08	-1.78E-08	-1.78E-08	-1.78E-08
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-5.62E-08	-5.62E-08	-5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.00E-08	-5.00E-08	-5.00E-08	-6.00E-08	-6.20E-08	-7.40E-08	-7.40E-08	-7.40E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussell-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System



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

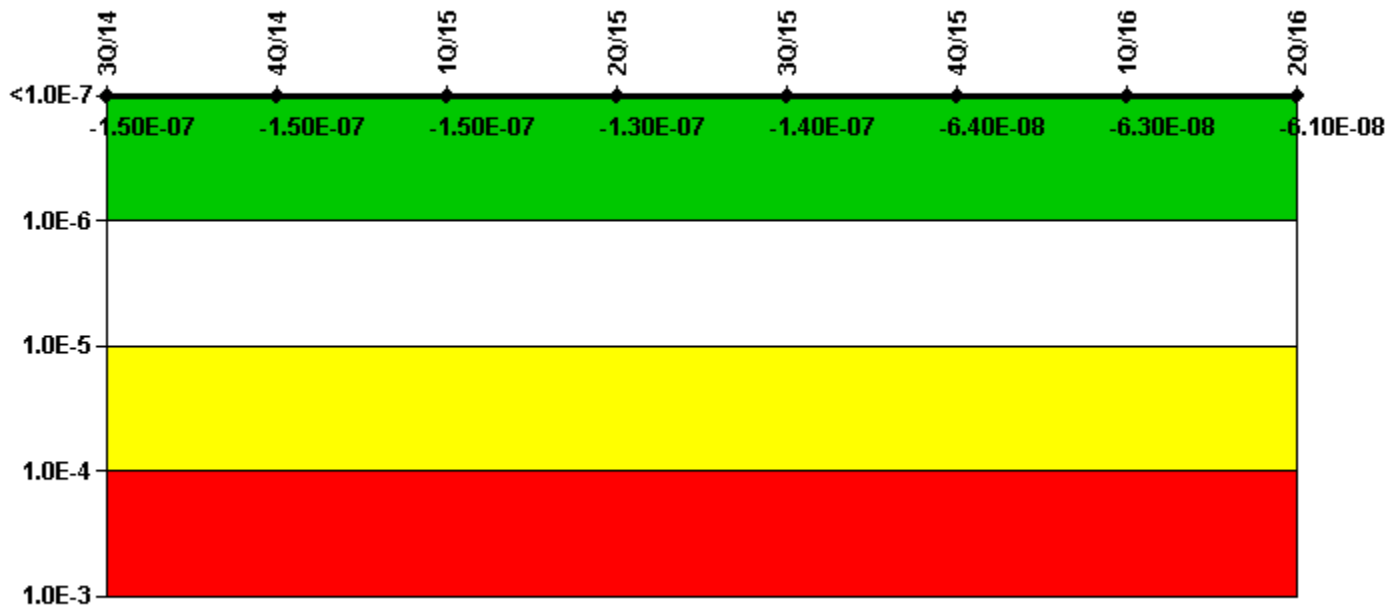
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	1.44E-08	2.94E-08	2.95E-08	2.79E-08	2.79E-08	3.87E-07	3.86E-07	1.63E-07
URI (ΔCDF)	-1.68E-08	-1.68E-08	-1.69E-08	-1.69E-08	-1.70E-08	-2.37E-07	-2.37E-07	-2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-09	1.30E-08	1.30E-08	1.10E-08	1.10E-08	1.50E-07	1.50E-07	-7.40E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems



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

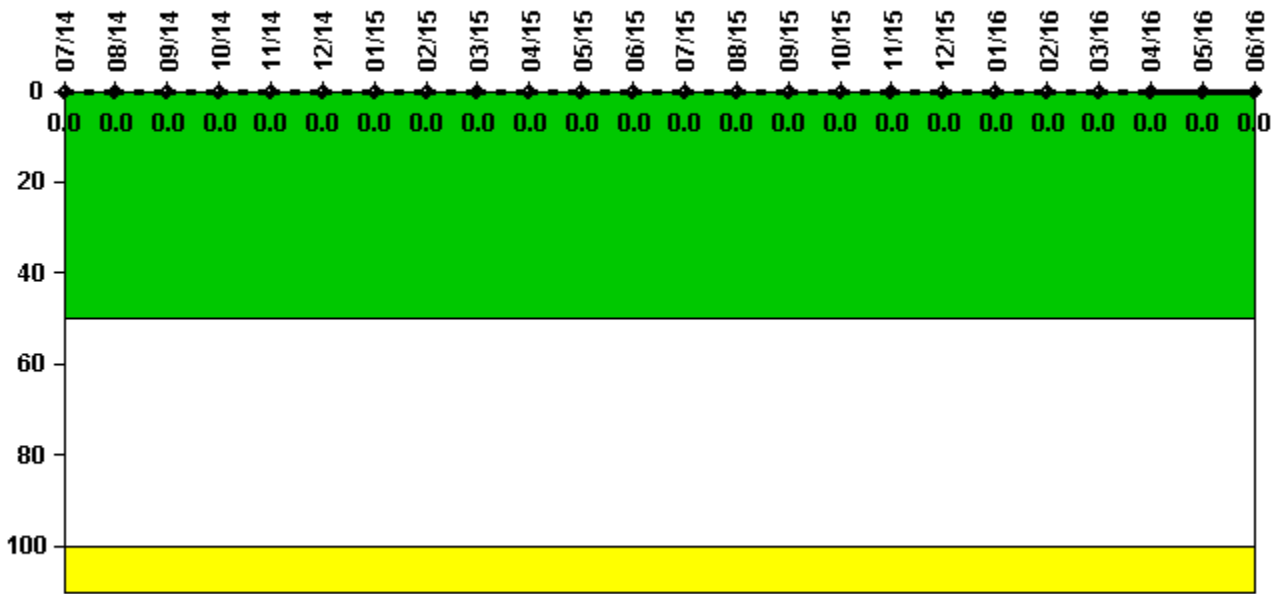
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-1.00E-07	-9.40E-08	-1.02E-07	-7.37E-08	-8.49E-08	-4.19E-08	-4.10E-08	-3.93E-08
URI (Δ CDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.50E-07	-1.50E-07	-1.30E-07	-1.40E-07	-6.40E-08	-6.30E-08	-6.10E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Reactor Coolant System Activity



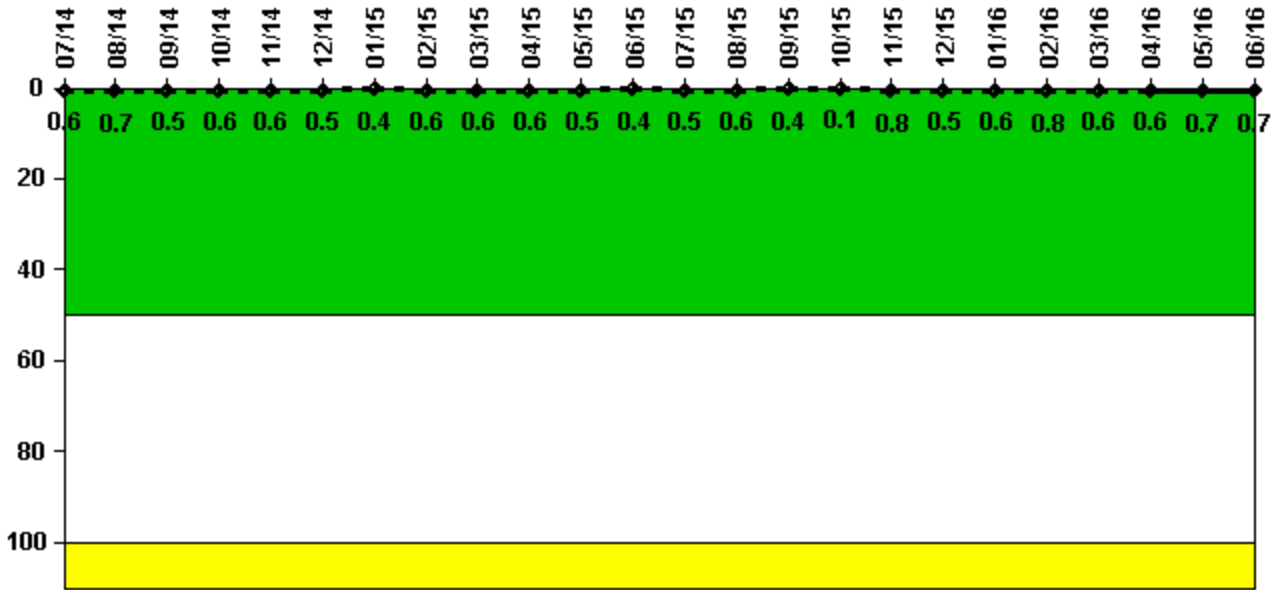
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000047	0.000038	0.000044	0.000045	0.000067	0.000048	0.000048	0.000047	0.000062	0.000056	0.000056	0.000064
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
Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000067	0.000067	0.000071	0.000065	0.000048	0.000041	0.000044	0.000050	0.000046	0.000062	0.000053	0.000054
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

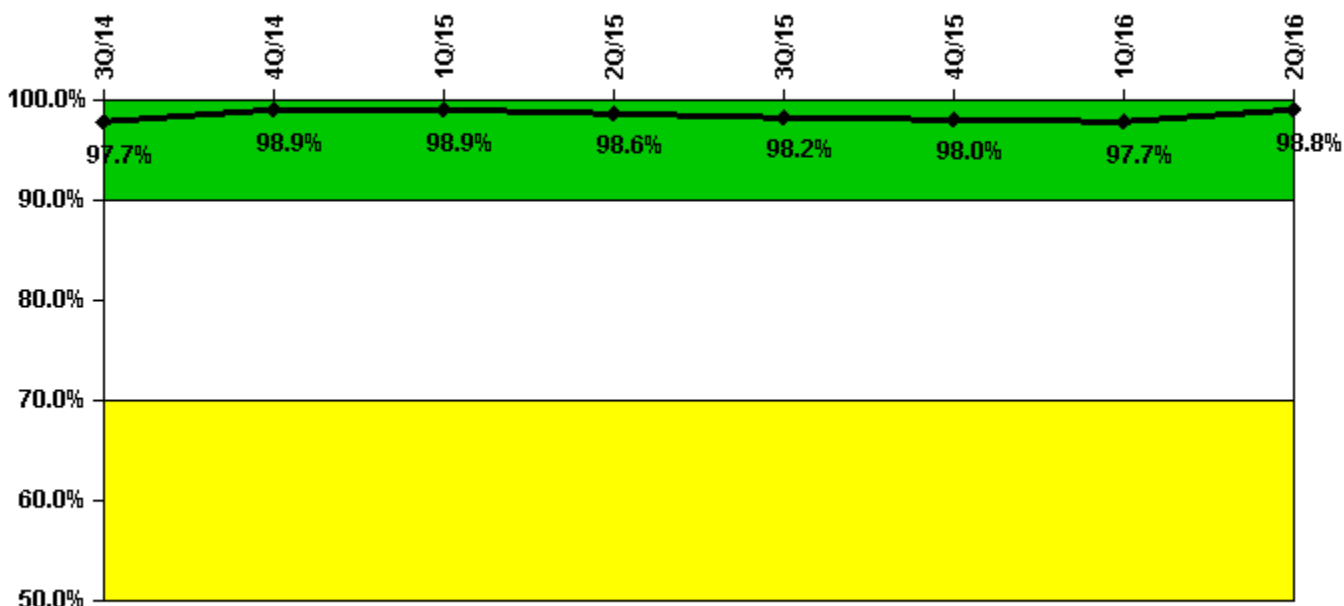
Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.060	0.066	0.051	0.056	0.058	0.054	0.041	0.064	0.057	0.060	0.053	0.042
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	0.6	0.7	0.5	0.6	0.6	0.5	0.4	0.6	0.6	0.6	0.5	0.4

Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.051	0.061	0.044	0.005	0.075	0.051	0.061	0.081	0.058	0.059	0.067	0.072
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	0.6	0.4	0.1	0.8	0.5	0.6	0.8	0.6	0.6	0.7	0.7

Licensee Comments: none

Drill/Exercise Performance



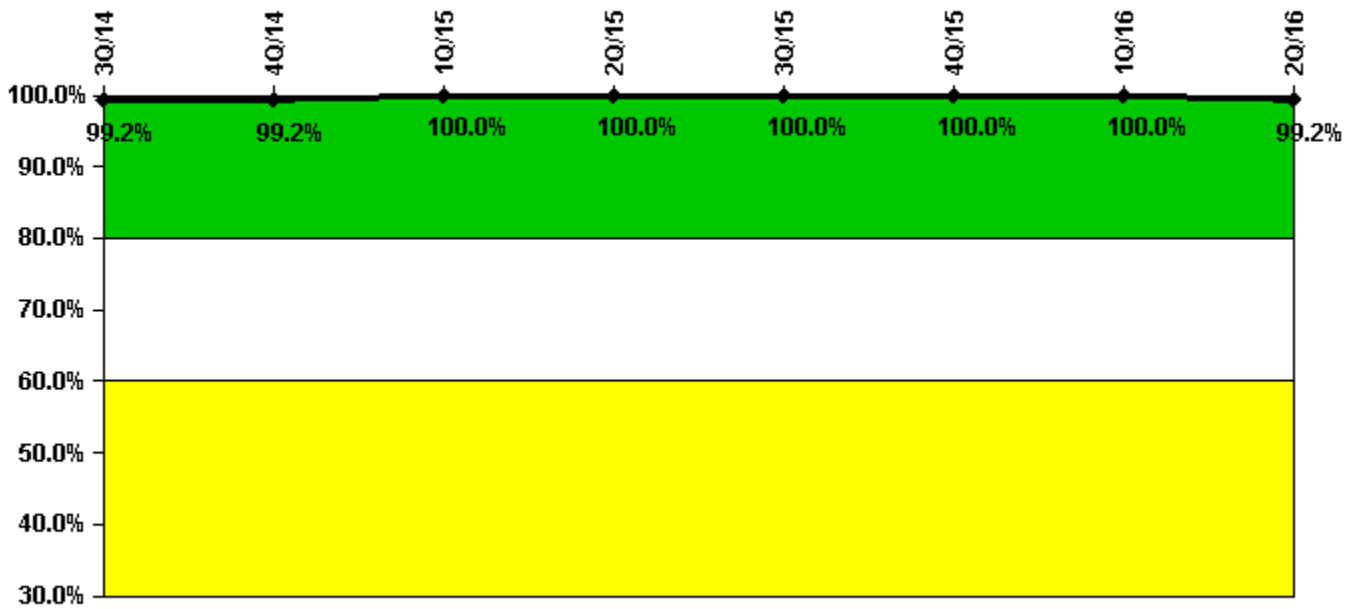
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	33.0	26.0	30.0	43.0	22.0	4.0	37.0	48.0
Total opportunities	33.0	26.0	30.0	44.0	23.0	4.0	38.0	48.0
Indicator value	97.7%	98.9%	98.9%	98.6%	98.2%	98.0%	97.7%	98.8%

Licensee Comments: none

ERO Drill Participation



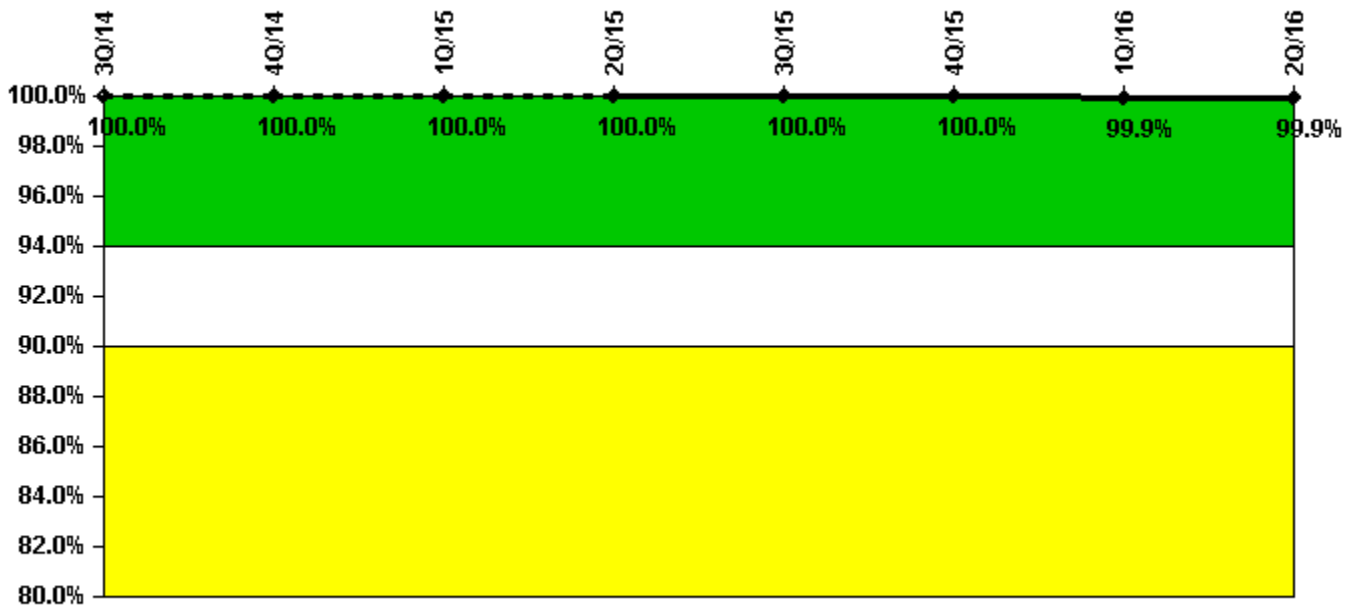
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	120.0	118.0	120.0	117.0	121.0	119.0	121.0	122.0
Total Key personnel	121.0	119.0	120.0	117.0	121.0	119.0	121.0	123.0
Indicator value	99.2%	99.2%	100.0%	100.0%	100.0%	100.0%	100.0%	99.2%

Licensee Comments: none

Alert & Notification System



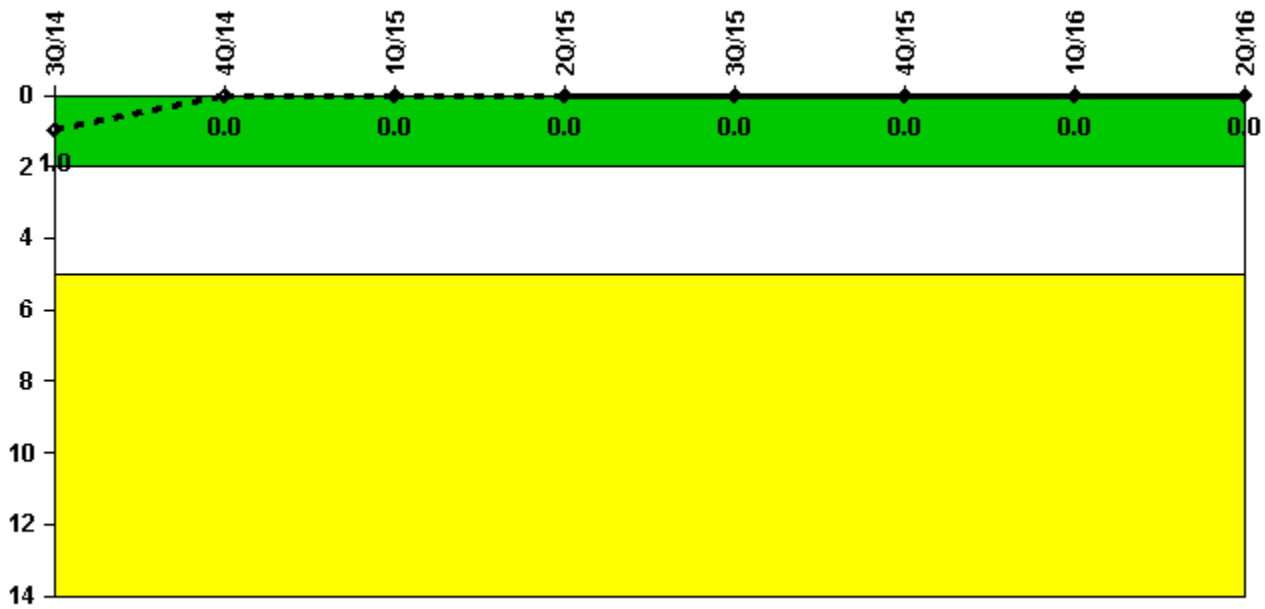
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	1310	1048	917	1047	1178	1048	916	1047
Total sirens-tests	1310	1048	917	1048	1179	1048	917	1048
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



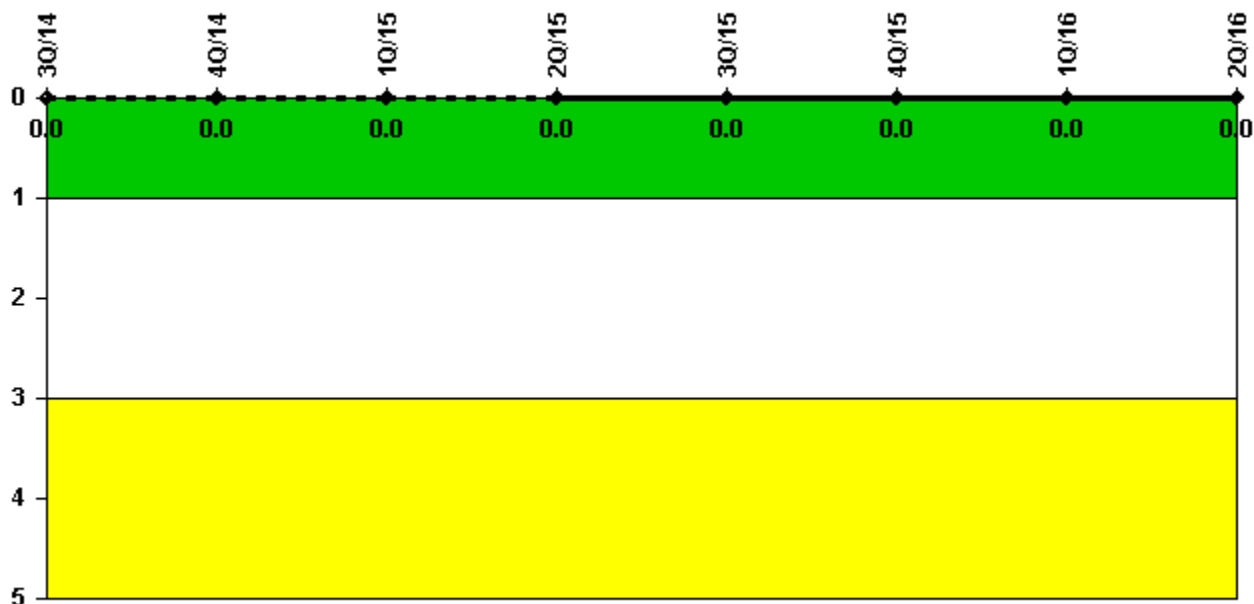
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
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	1	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	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
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: July 25, 2016

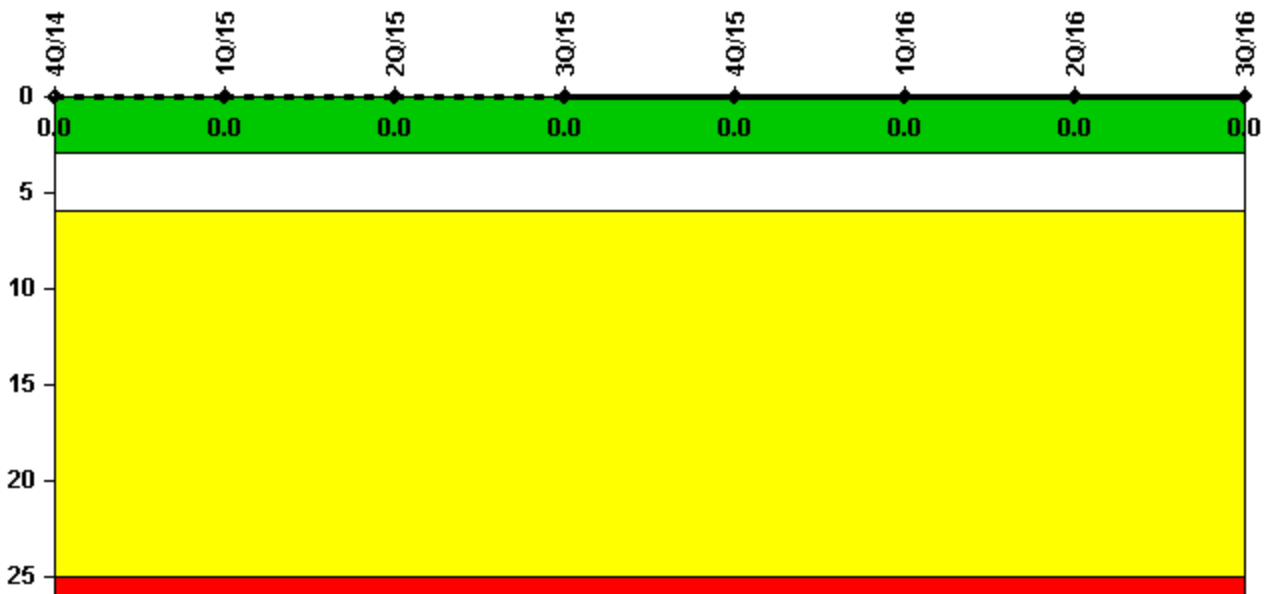
Diablo Canyon 1

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



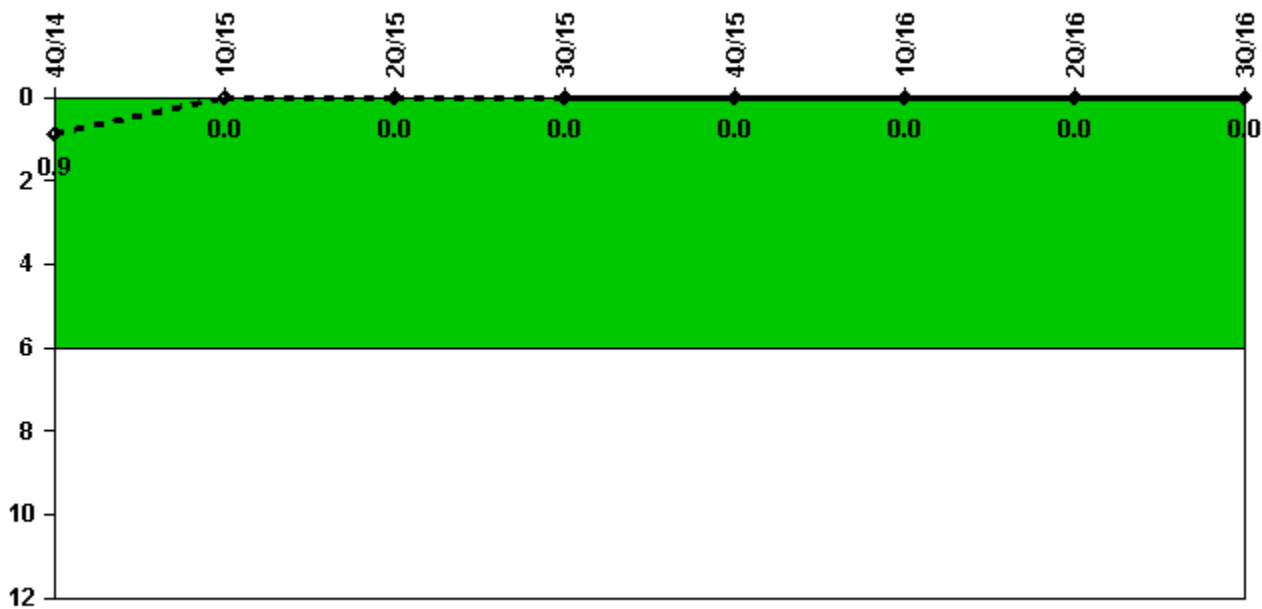
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2190.0	2081.4	2184.0	2208.0	1400.5	2183.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

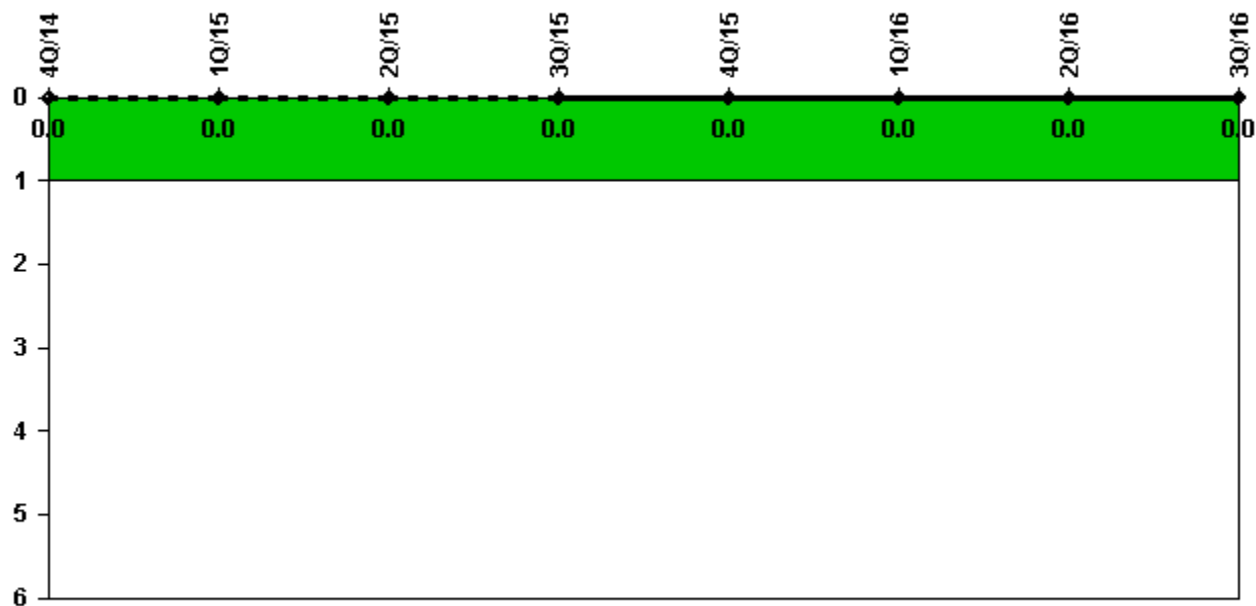
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2190.0	2081.4	2184.0	2208.0	1400.5	2183.0	2184.0	2208.0
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments:

4Q/15: On December 11, 2015, Diablo Canyon Unit 1 was ramped to approximately 25 percent power due to ocean storm swells and biofouling of the condenser. The power change was made proactively in order to prevent a plant trip consistent with NEI 99-02, Revision 7, Appendix D FAQs for Diablo Canyon, and is therefore classified as unplanned, excluded per NEI 99-02. Reference SAPN 50828812.

Unplanned Scrams with Complications



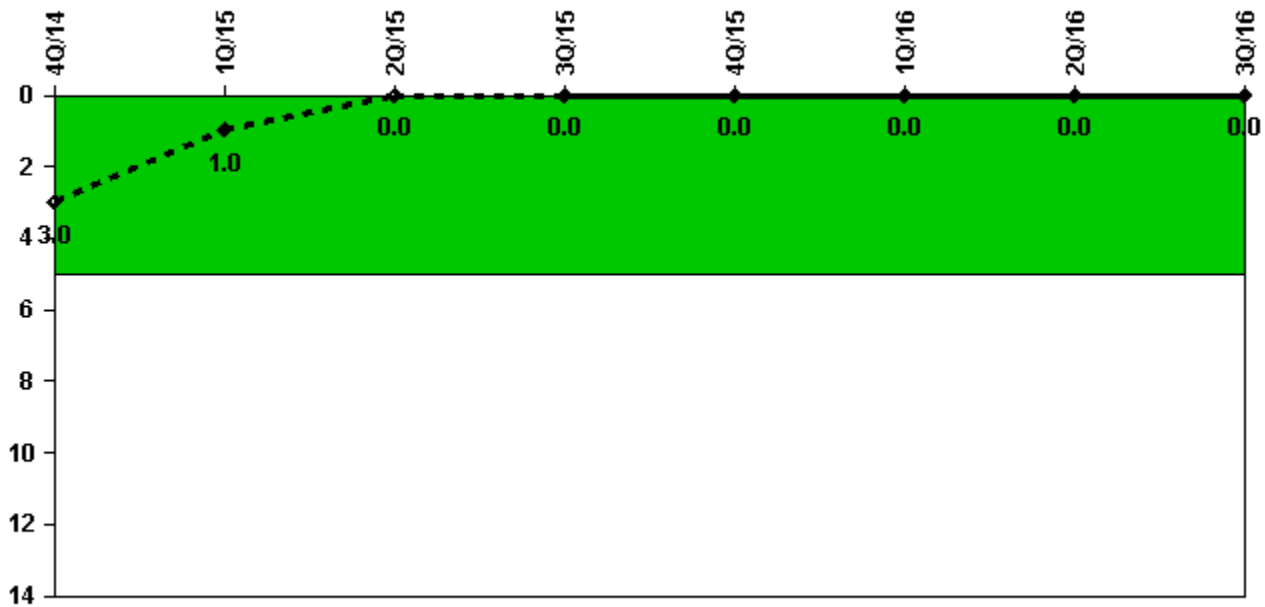
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
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

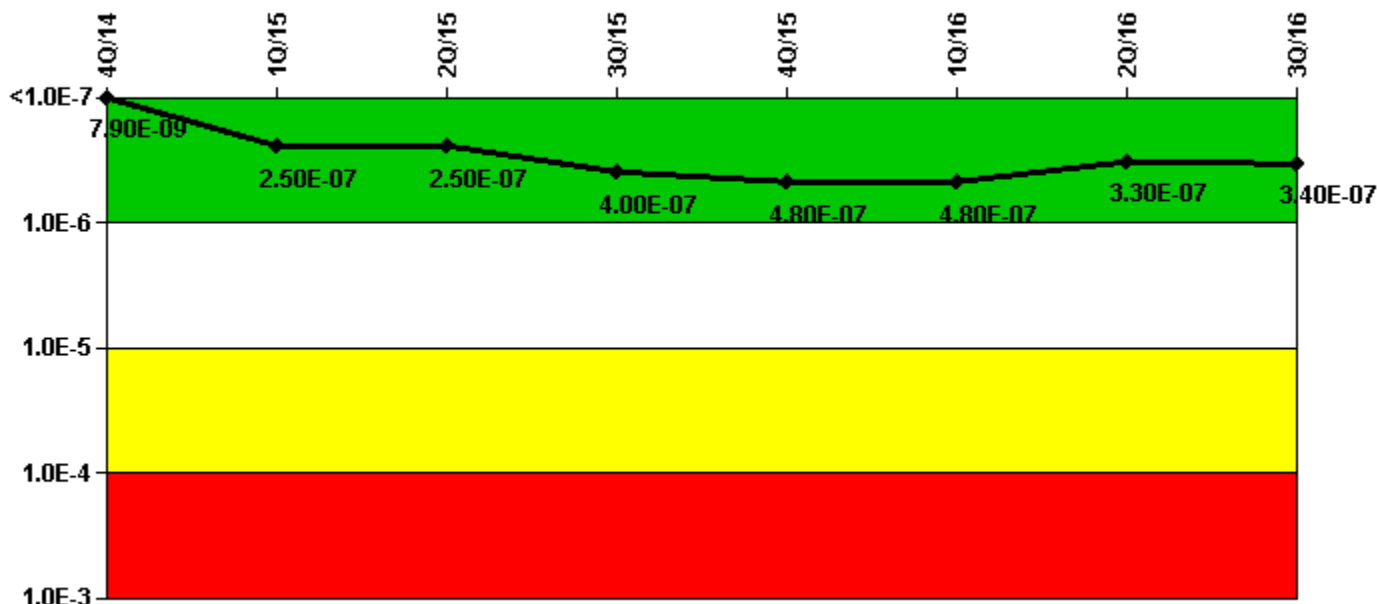
Notes

Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	3	1	0	0	0	0	0	0

Licensee Comments:

1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

Mitigating Systems Performance Index, Emergency AC Power System



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

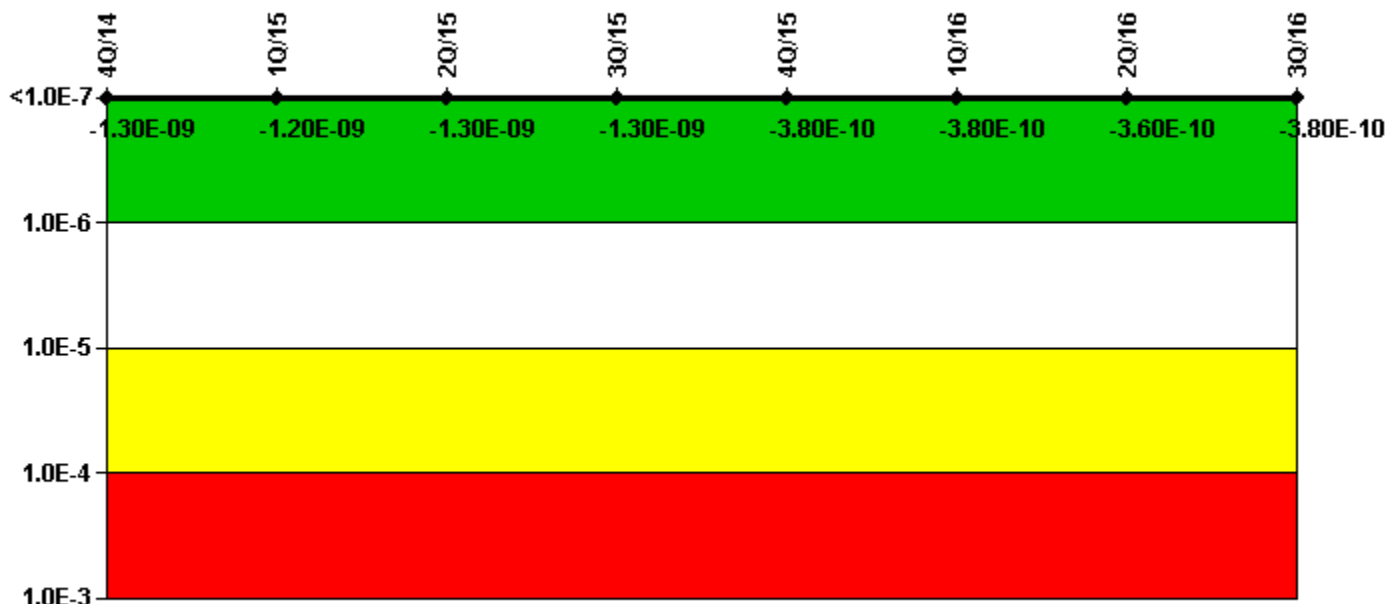
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	1.65E-08	5.45E-09	4.42E-09	3.38E-08	5.96E-08	6.00E-08	4.10E-08	4.91E-08
URI (ΔCDF)	-8.59E-09	2.41E-07	2.41E-07	3.66E-07	4.22E-07	4.22E-07	2.84E-07	2.91E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.90E-09	2.50E-07	2.50E-07	4.00E-07	4.80E-07	4.80E-07	3.30E-07	3.40E-07

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System



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

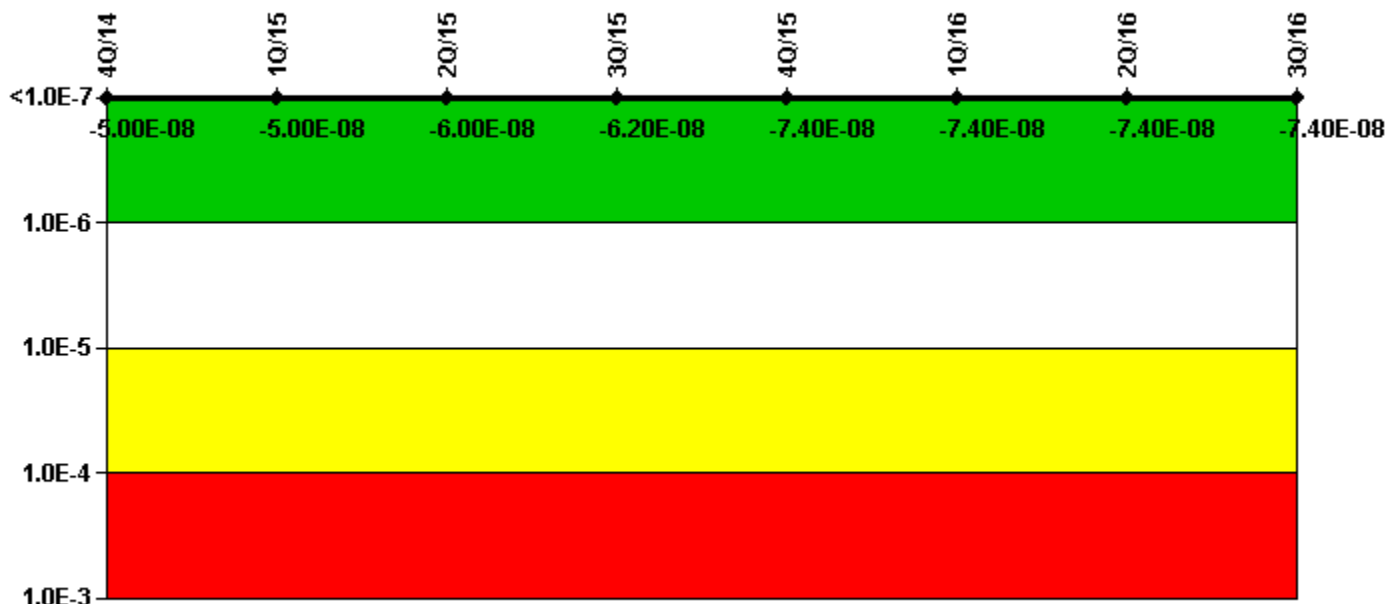
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-1.42E-10	-4.03E-11	-1.68E-10	-1.52E-10	-1.19E-10	-1.19E-10	-1.01E-10	-1.21E-10
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-2.60E-10	-2.60E-10	-2.60E-10	-2.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-09	-1.20E-09	-1.30E-09	-1.30E-09	-3.80E-10	-3.80E-10	-3.60E-10	-3.80E-10

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussler-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

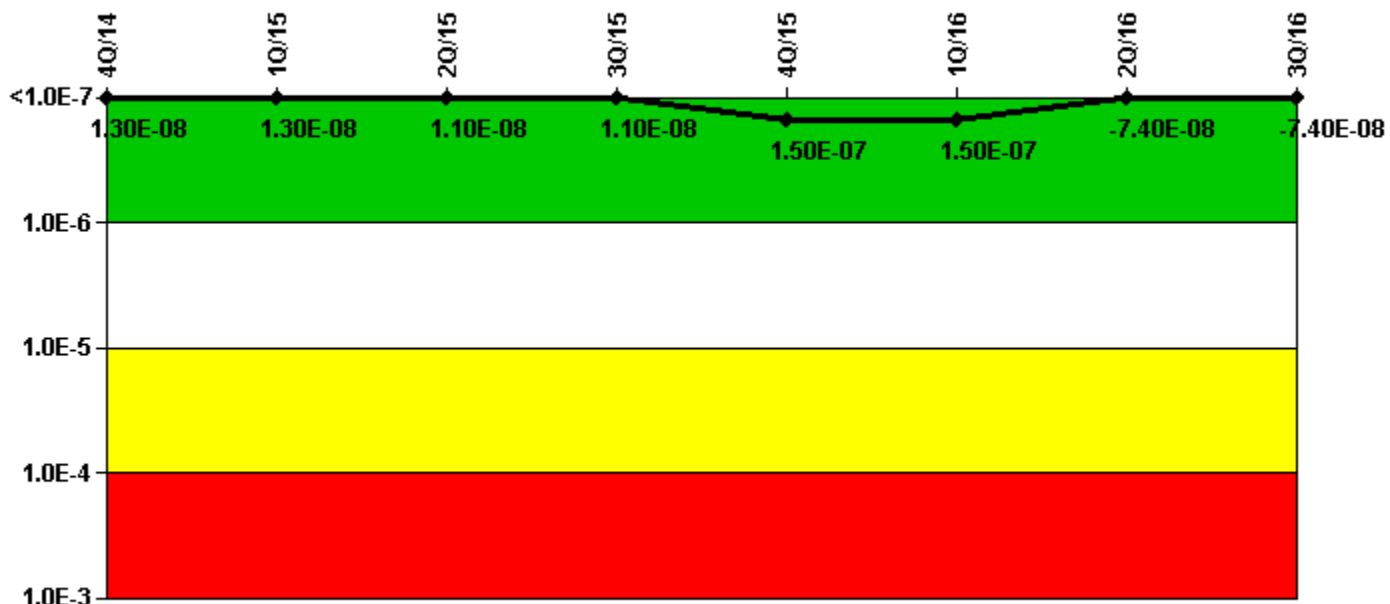
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-2.80E-10	-2.28E-10	-9.88E-09	-1.25E-08	-1.78E-08	-1.78E-08	-1.78E-08	-1.78E-08
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.00E-08	-5.00E-08	-6.00E-08	-6.20E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System



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

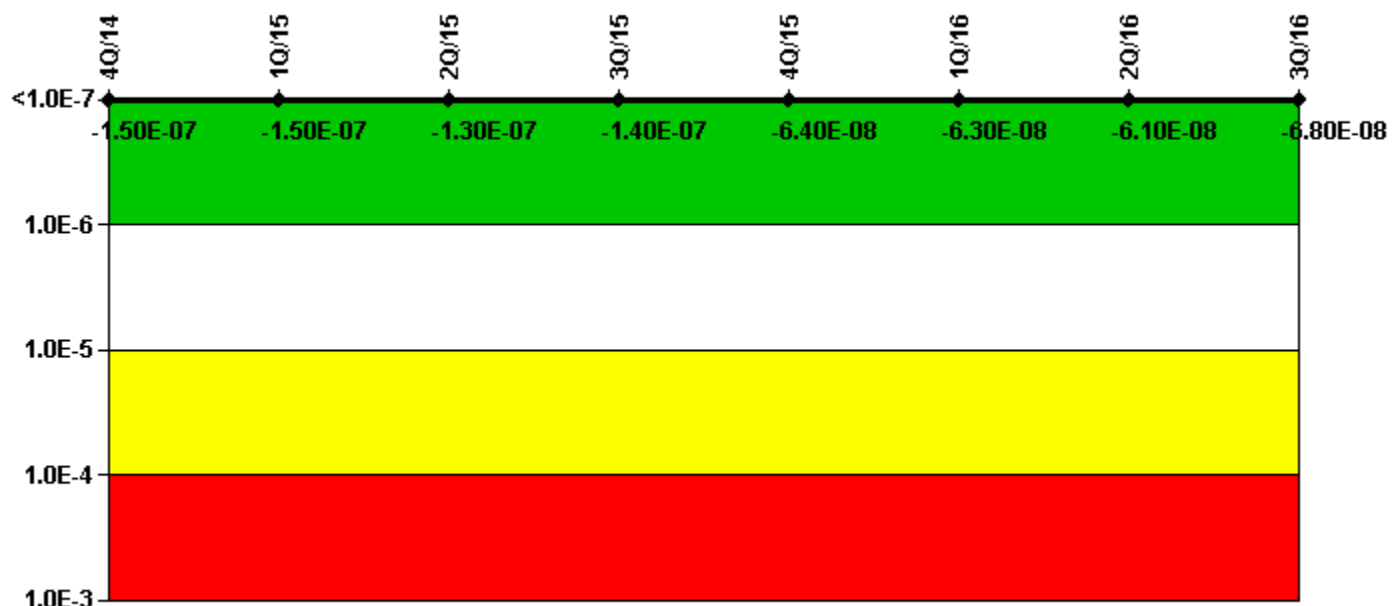
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	2.94E-08	2.95E-08	2.79E-08	2.79E-08	3.87E-07	3.86E-07	1.63E-07	1.63E-07
URI (ΔCDF)	-1.68E-08	-1.69E-08	-1.69E-08	-1.70E-08	-2.37E-07	-2.37E-07	-2.37E-07	-2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-08	1.30E-08	1.10E-08	1.10E-08	1.50E-07	1.50E-07	-7.40E-08	-7.40E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems



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

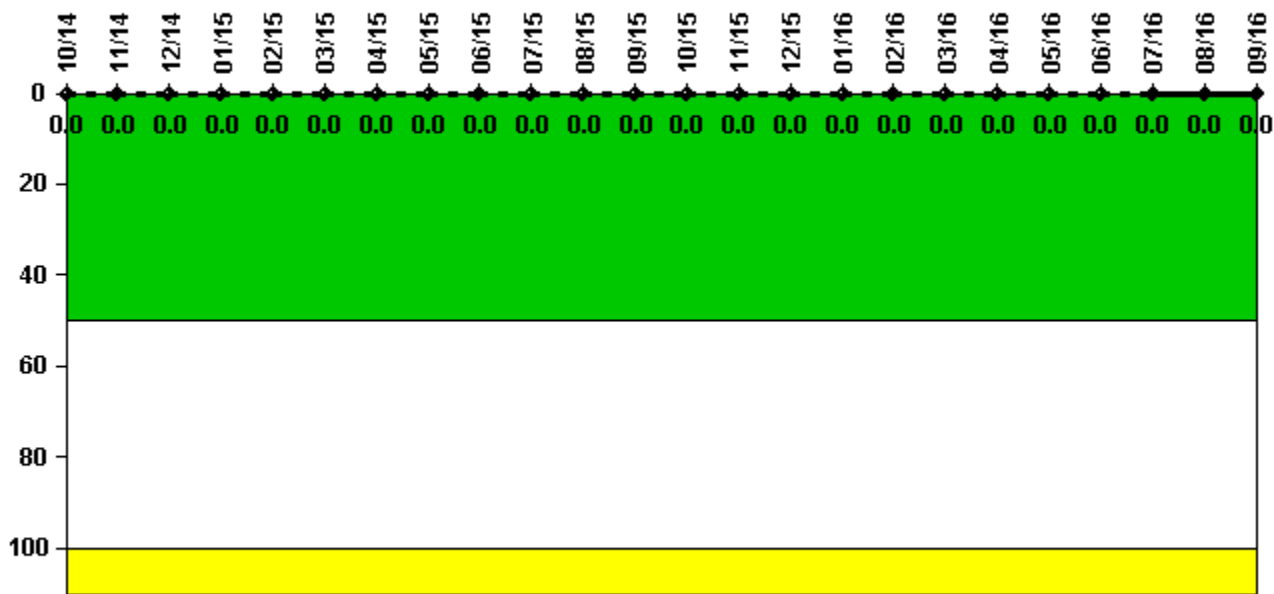
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-9.40E-08	-1.02E-07	-7.37E-08	-8.49E-08	-4.19E-08	-4.10E-08	-3.93E-08	-4.57E-08
URI (ΔCDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.50E-07	-1.30E-07	-1.40E-07	-6.40E-08	-6.30E-08	-6.10E-08	-6.80E-08

Licensee Comments:

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Reactor Coolant System Activity



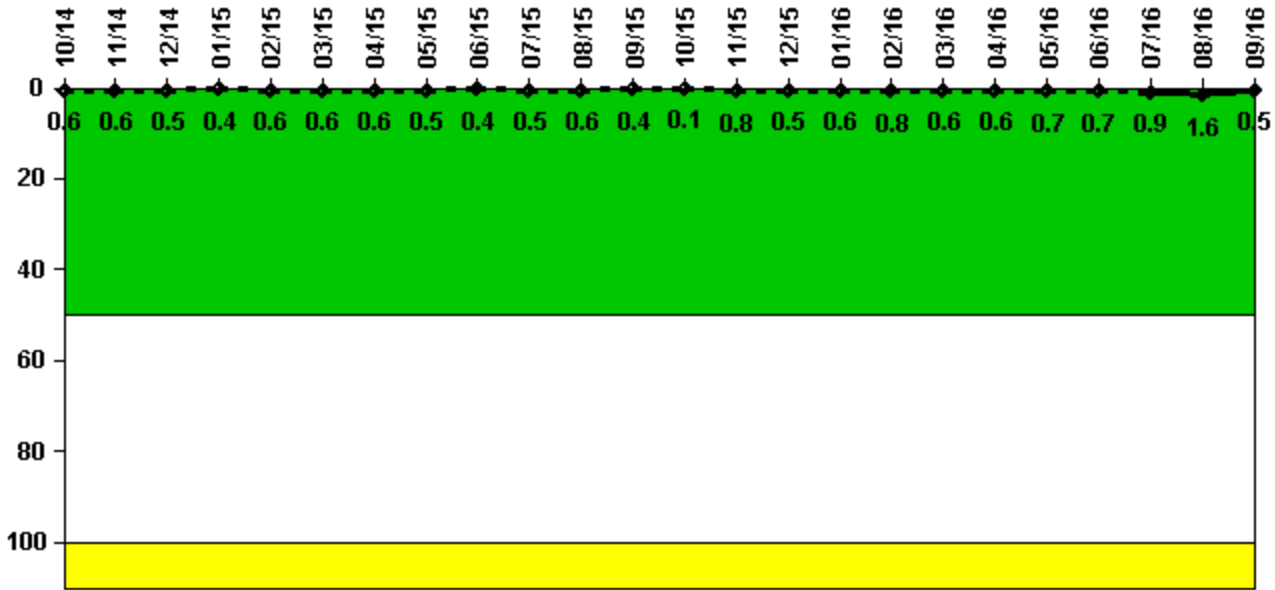
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000045	0.000067	0.000048	0.000048	0.000047	0.000062	0.000056	0.000056	0.000064	0.000067	0.000067	0.000071
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
Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000065	0.000048	0.000041	0.000044	0.000050	0.000046	0.000062	0.000053	0.000054	0.000057	0.000055	0.000067
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



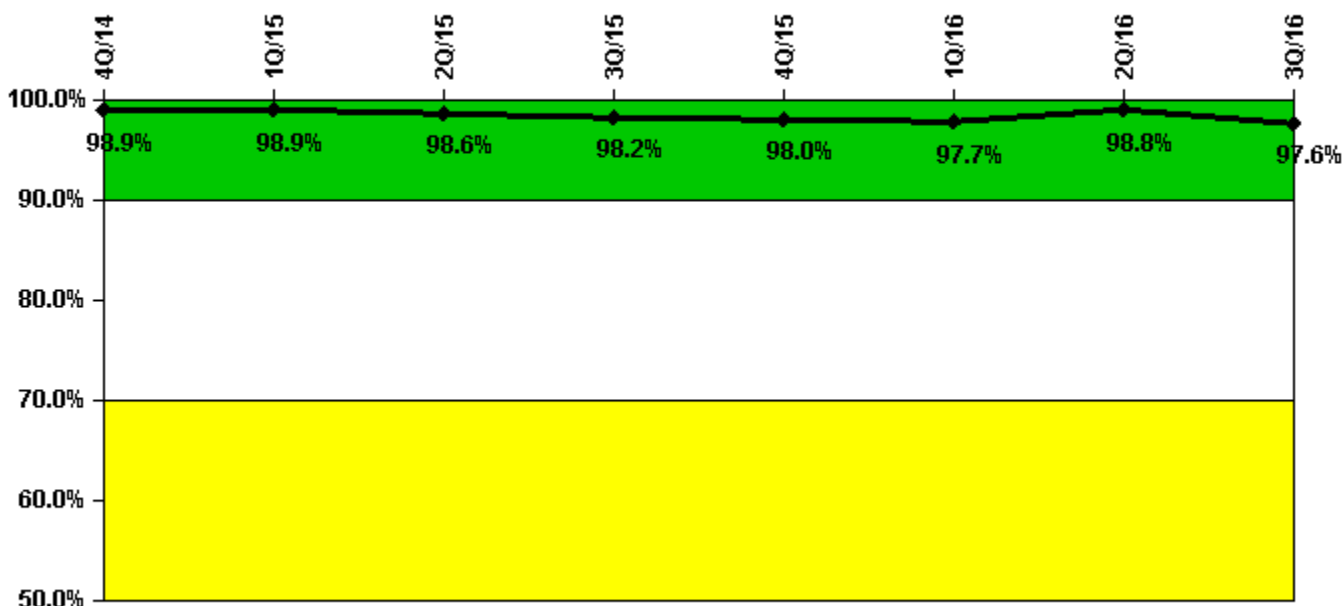
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.056	0.058	0.054	0.041	0.064	0.057	0.060	0.053	0.042	0.051	0.061	0.044
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	0.6	0.6	0.5	0.4	0.6	0.6	0.6	0.5	0.4	0.5	0.6	0.4
Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.005	0.075	0.051	0.061	0.081	0.058	0.059	0.067	0.072	0.086	0.158	0.046
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	0.1	0.8	0.5	0.6	0.8	0.6	0.6	0.7	0.7	0.9	1.6	0.5

Licensee Comments: none

Drill/Exercise Performance



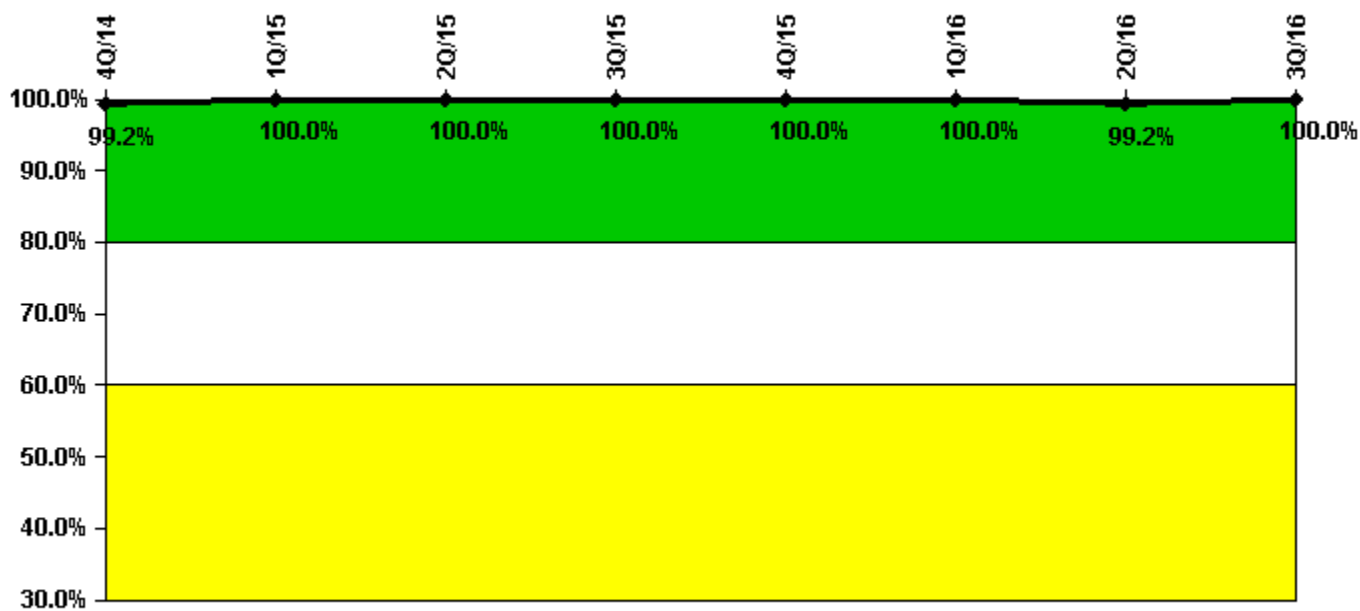
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	26.0	30.0	43.0	22.0	4.0	37.0	48.0	33.0
Total opportunities	26.0	30.0	44.0	23.0	4.0	38.0	48.0	36.0
Indicator value	98.9%	98.9%	98.6%	98.2%	98.0%	97.7%	98.8%	97.6%

Licensee Comments: none

ERO Drill Participation



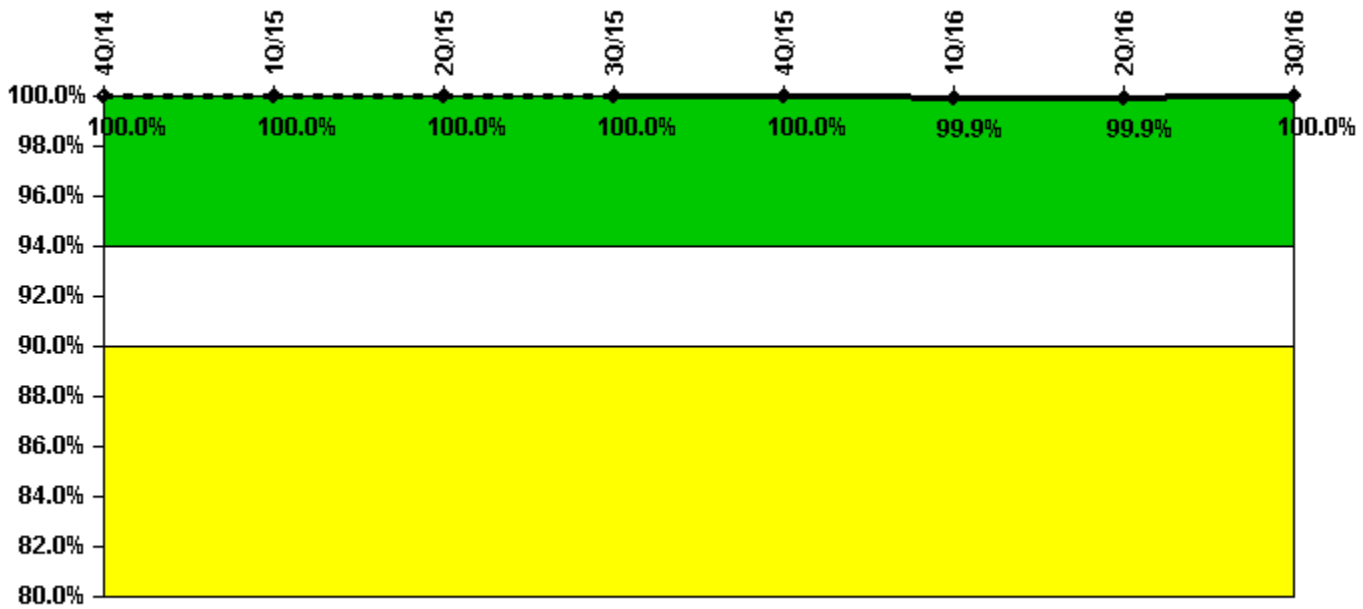
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	118.0	120.0	117.0	121.0	119.0	121.0	122.0	127.0
Total Key personnel	119.0	120.0	117.0	121.0	119.0	121.0	123.0	127.0
Indicator value	99.2%	100.0%	100.0%	100.0%	100.0%	100.0%	99.2%	100.0%

Licensee Comments: none

Alert & Notification System



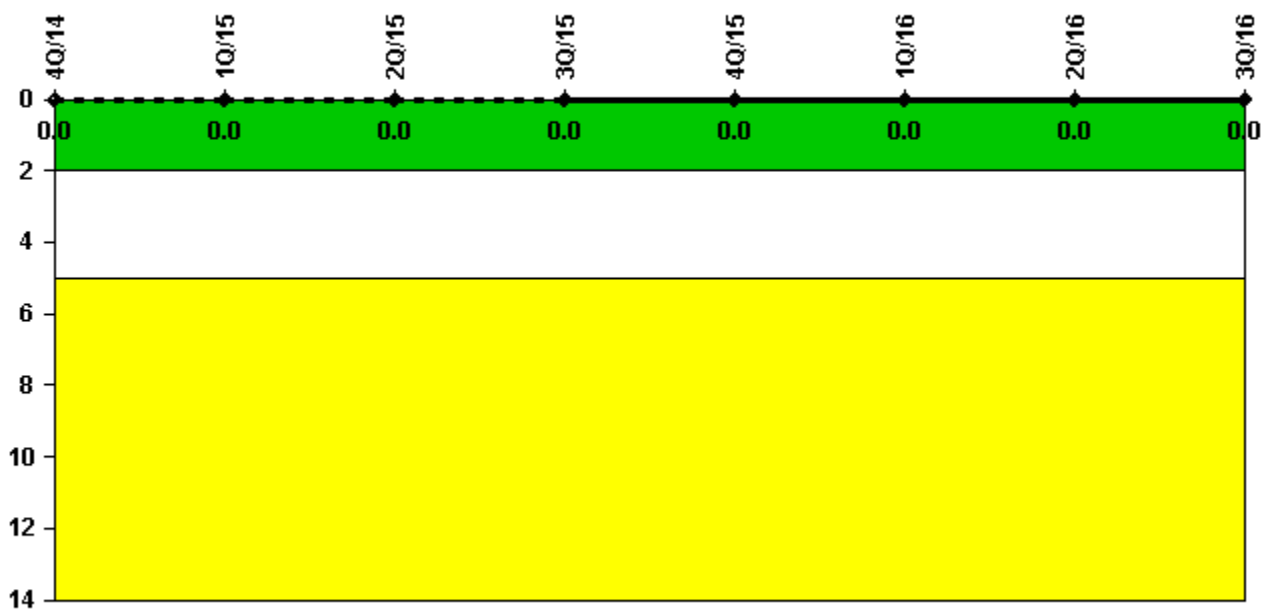
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	1048	917	1047	1178	1048	916	1047	1179
Total sirens-tests	1048	917	1048	1179	1048	917	1048	1179
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	99.9%	99.9%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



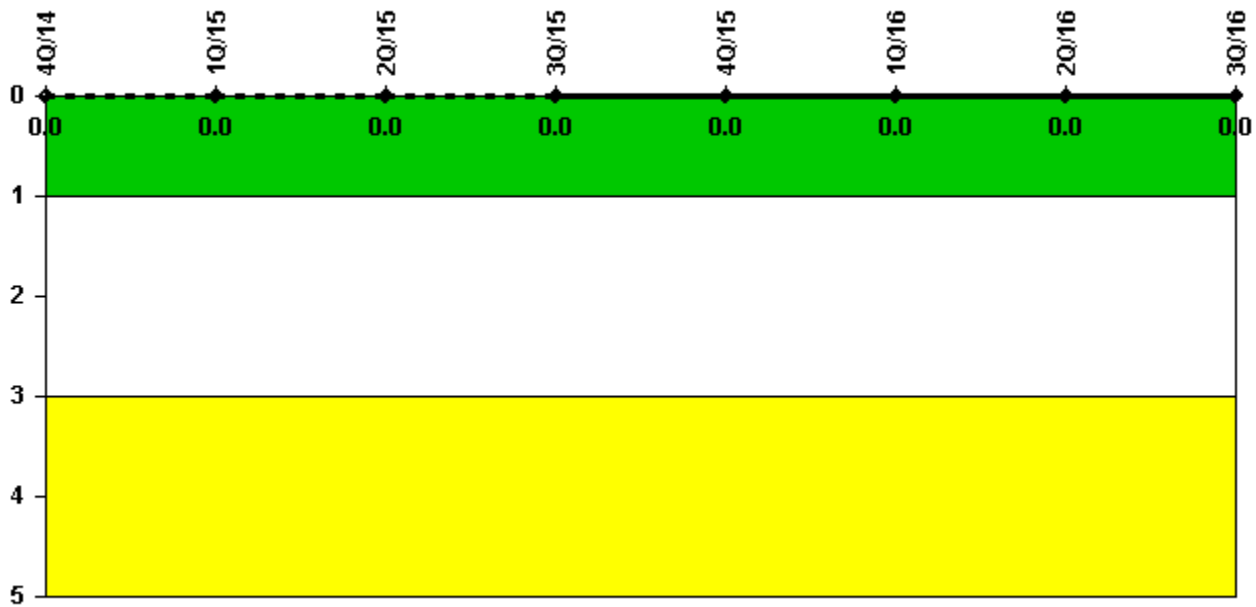
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
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	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
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 23, 2016

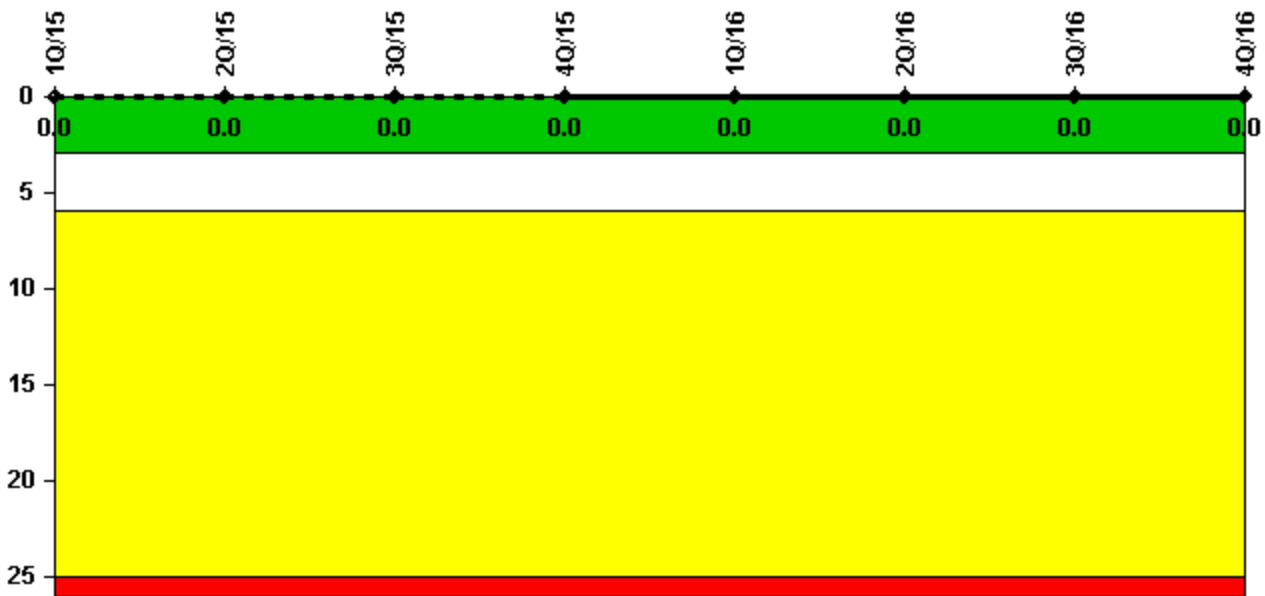
Diablo Canyon 1

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



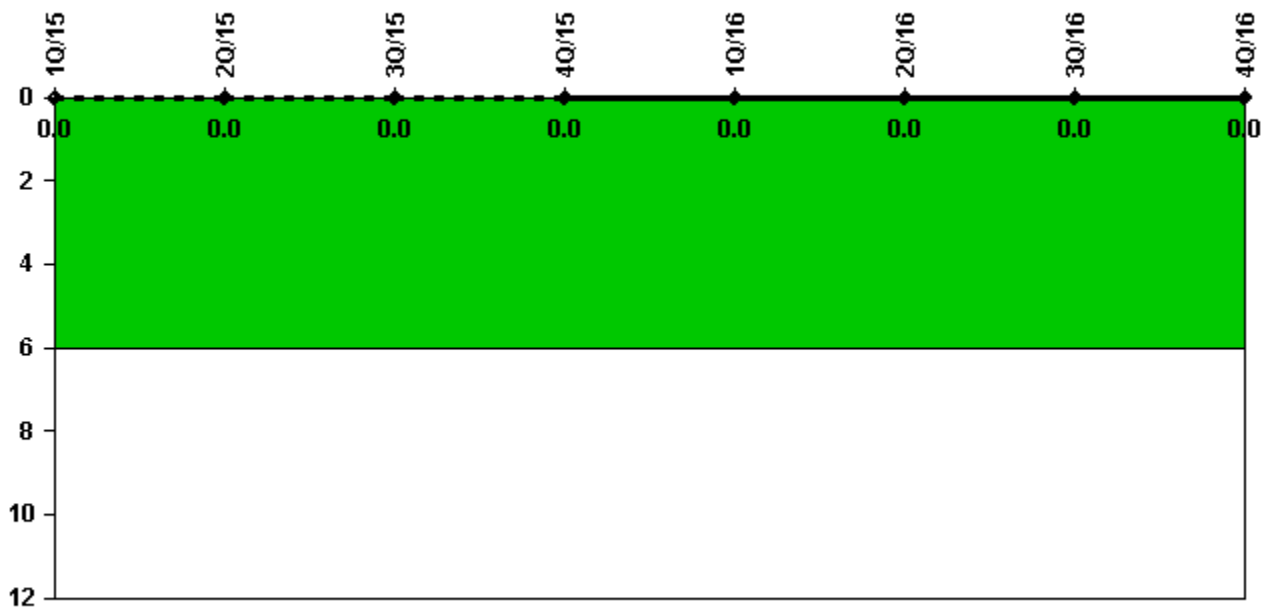
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2081.4	2184.0	2208.0	1400.5	2183.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

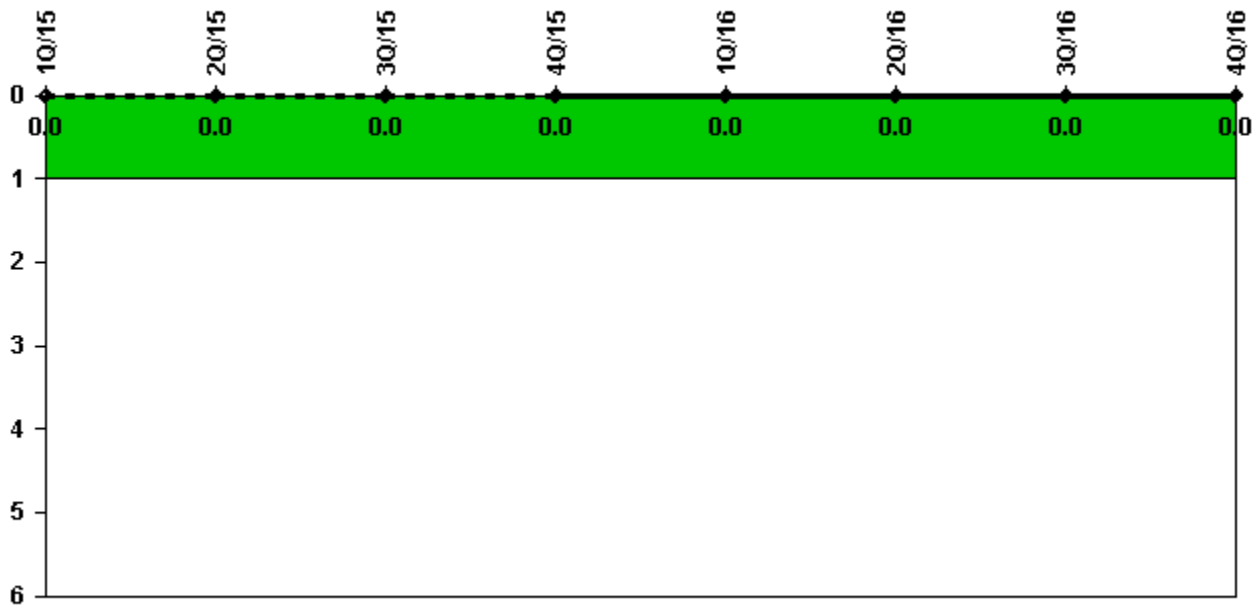
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2081.4	2184.0	2208.0	1400.5	2183.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/15: On December 11, 2015, Diablo Canyon Unit 1 was ramped to approximately 25 percent power due to ocean storm swells and biofouling of the condenser. The power change was made proactively in order to prevent a plant trip consistent with NEI 99-02, Revision 7, Appendix D FAQs for Diablo Canyon, and is therefore classified as unplanned, excluded per NEI 99-02. Reference SAPN 50828812.

Unplanned Scrams with Complications



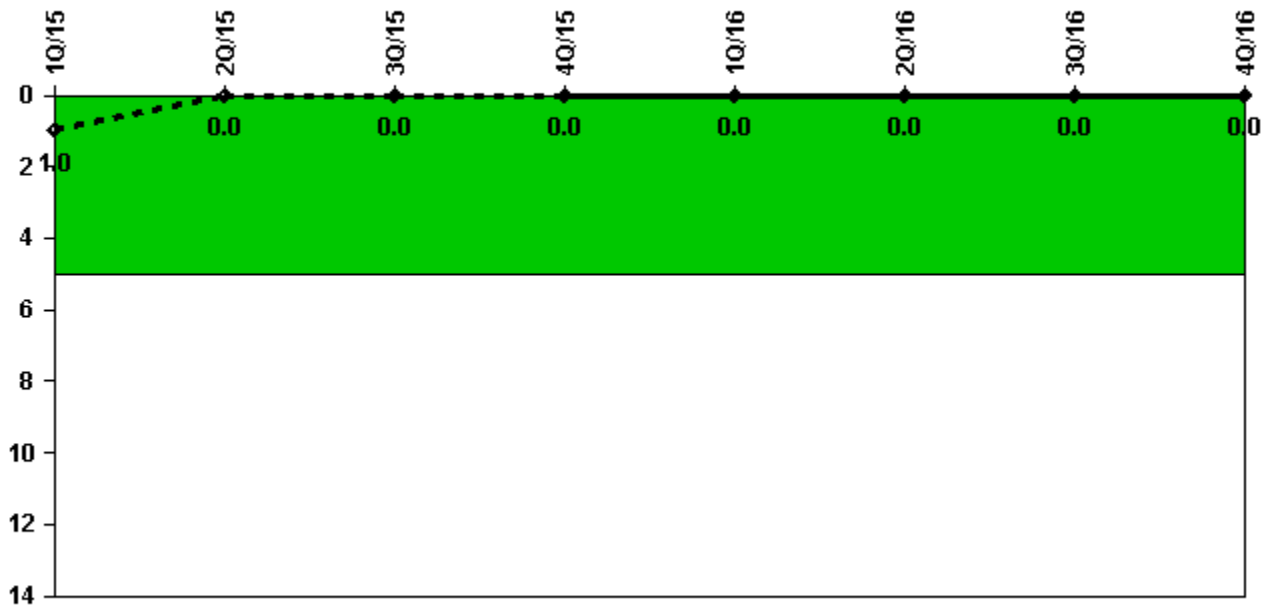
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
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

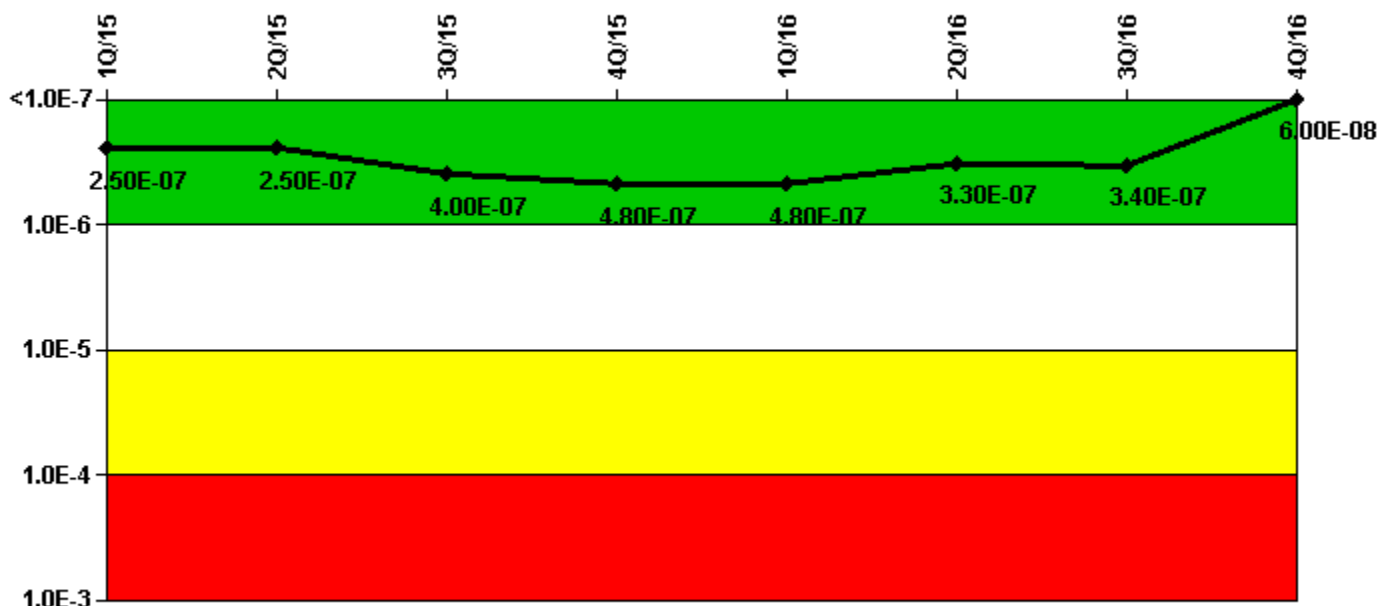
Notes

Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	0	0	0	0	0	0	0

Licensee Comments:

1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

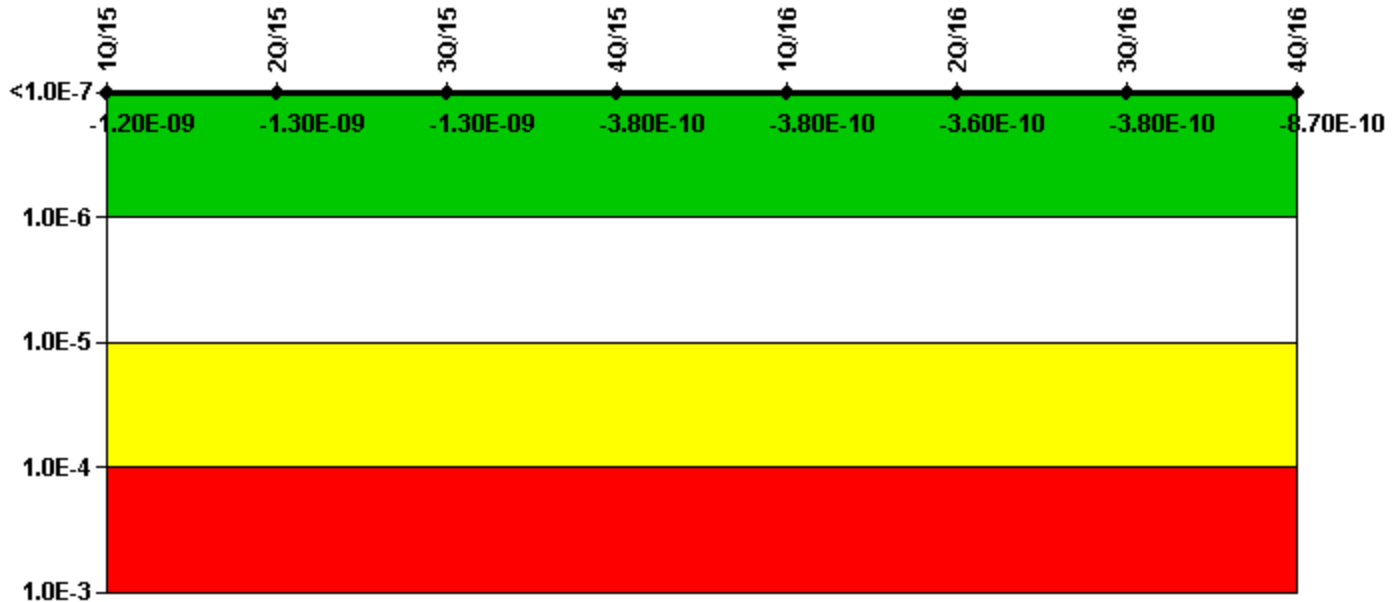
Mitigating Systems Performance Index, Emergency AC Power System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	5.45E-09	4.42E-09	3.38E-08	5.96E-08	6.00E-08	4.10E-08	4.91E-08	3.34E-09
URI (Δ CDF)	2.41E-07	2.41E-07	3.66E-07	4.22E-07	4.22E-07	2.84E-07	2.91E-07	5.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.50E-07	2.50E-07	4.00E-07	4.80E-07	4.80E-07	3.30E-07	3.40E-07	6.00E-08

Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-4.03E-11	-1.68E-10	-1.52E-10	-1.19E-10	-1.19E-10	-1.01E-10	-1.21E-10	-1.13E-10
URI (ΔCDF)	-1.13E-09	-1.13E-09	-1.13E-09	-2.60E-10	-2.60E-10	-2.60E-10	-2.60E-10	-7.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-09	-1.30E-09	-1.30E-09	-3.80E-10	-3.80E-10	-3.60E-10	-3.80E-10	-8.70E-10

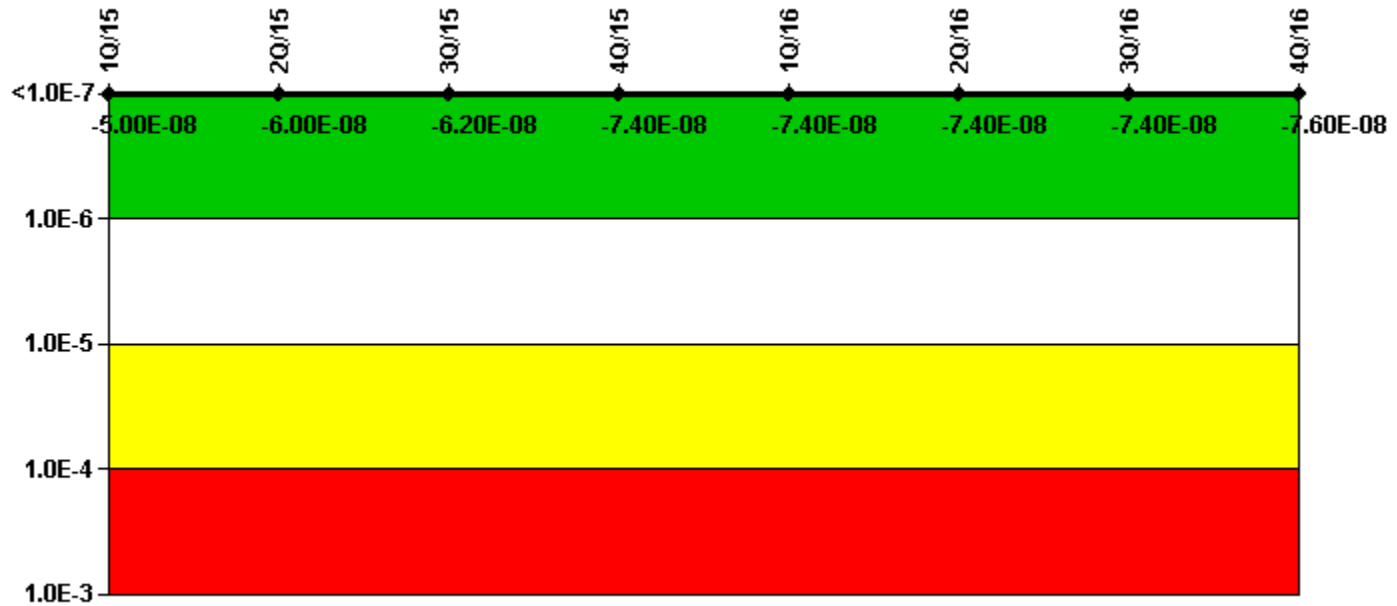
Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

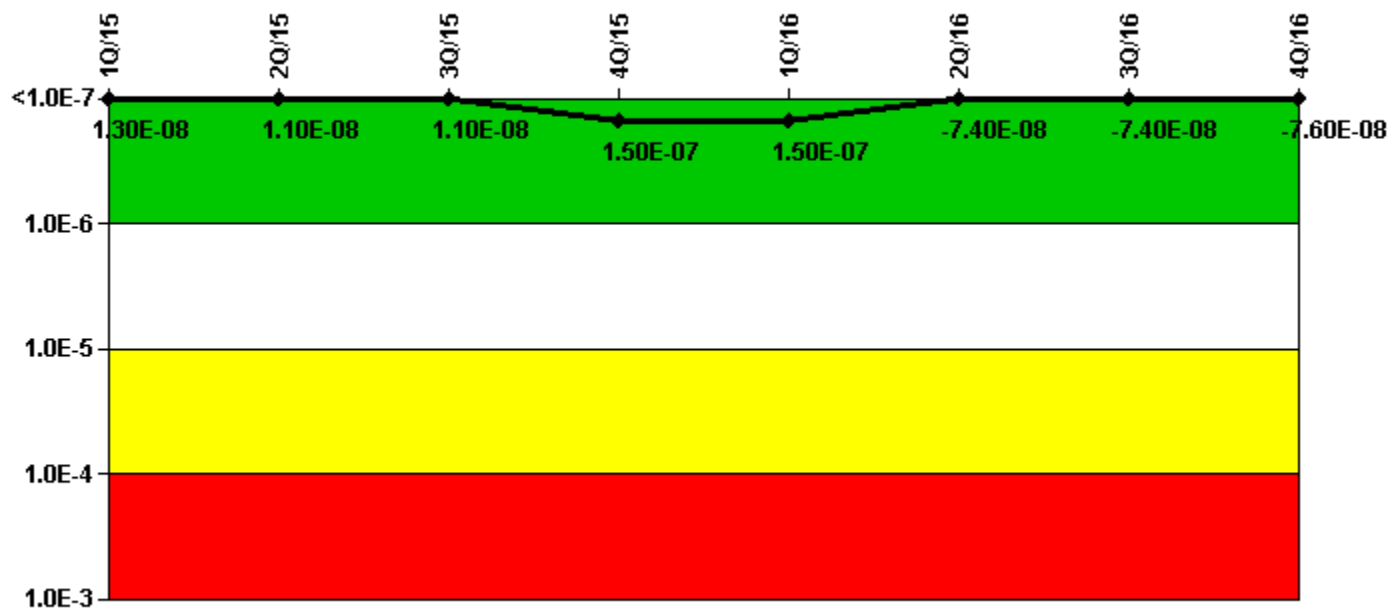
Mitigating Systems Performance Index, Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	-2.28E-10	-9.88E-09	-1.25E-08	-1.78E-08	-1.78E-08	-1.78E-08	-1.78E-08	-1.85E-08
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.00E-08	-6.00E-08	-6.20E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.60E-08

Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	2.95E-08	2.79E-08	2.79E-08	3.87E-07	3.86E-07	1.63E-07	1.63E-07	1.01E-07
URI (ΔCDF)	-1.69E-08	-1.69E-08	-1.70E-08	-2.37E-07	-2.37E-07	-2.37E-07	-2.37E-07	-1.77E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-08	1.10E-08	1.10E-08	1.50E-07	1.50E-07	-7.40E-08	-7.40E-08	-7.60E-08

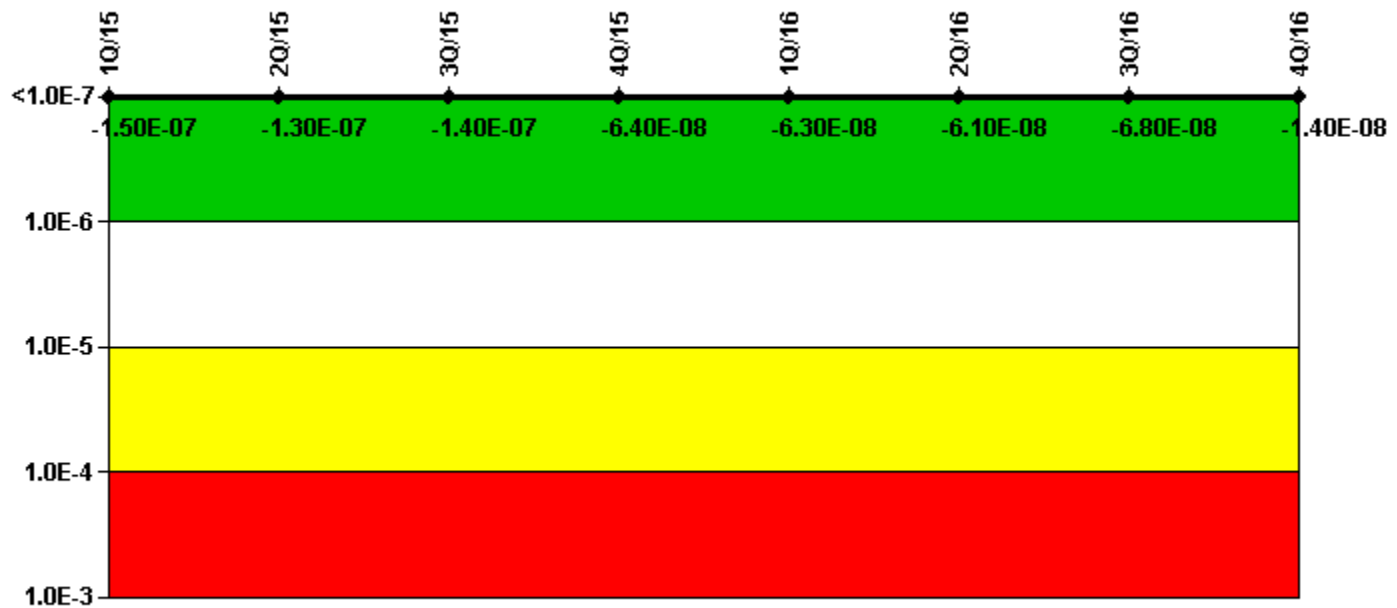
Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A

was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-1.02E-07	-7.37E-08	-8.49E-08	-4.19E-08	-4.10E-08	-3.93E-08	-4.57E-08	-8.78E-09
URI (ΔCDF)	-5.20E-08	-5.20E-08	-5.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-4.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
	-1.50E-	-1.30E-	-1.40E-	-6.40E-	-6.30E-	-6.10E-	-6.80E-	-1.40E-

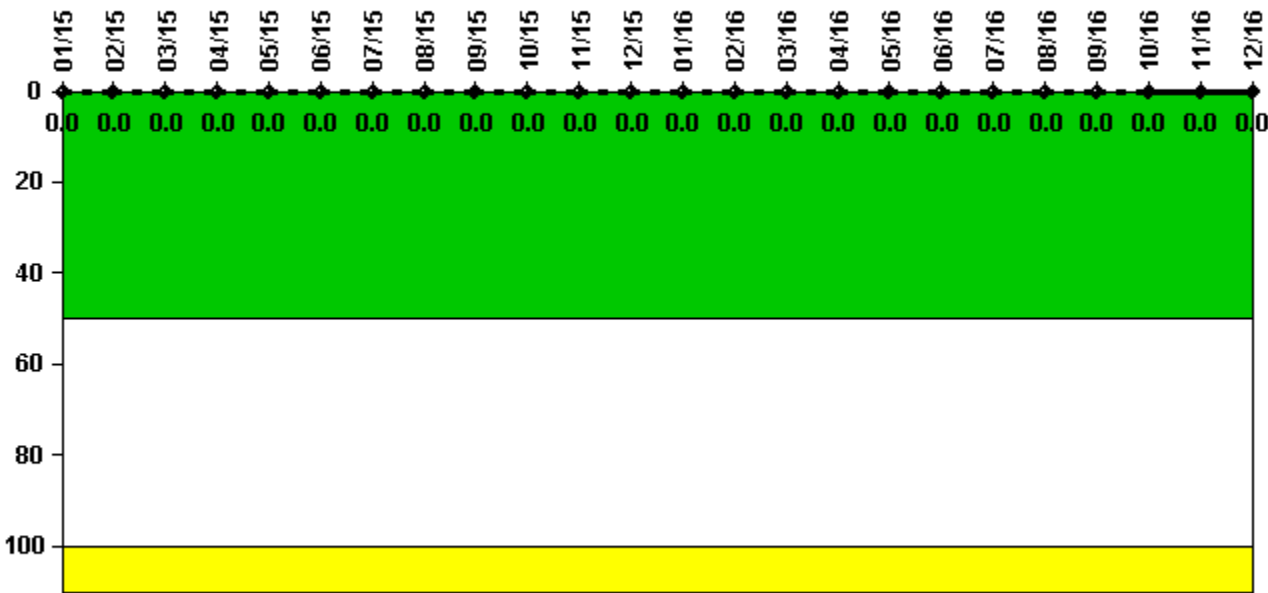
Indicator value	07	07	07	08	08	08	08	08
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

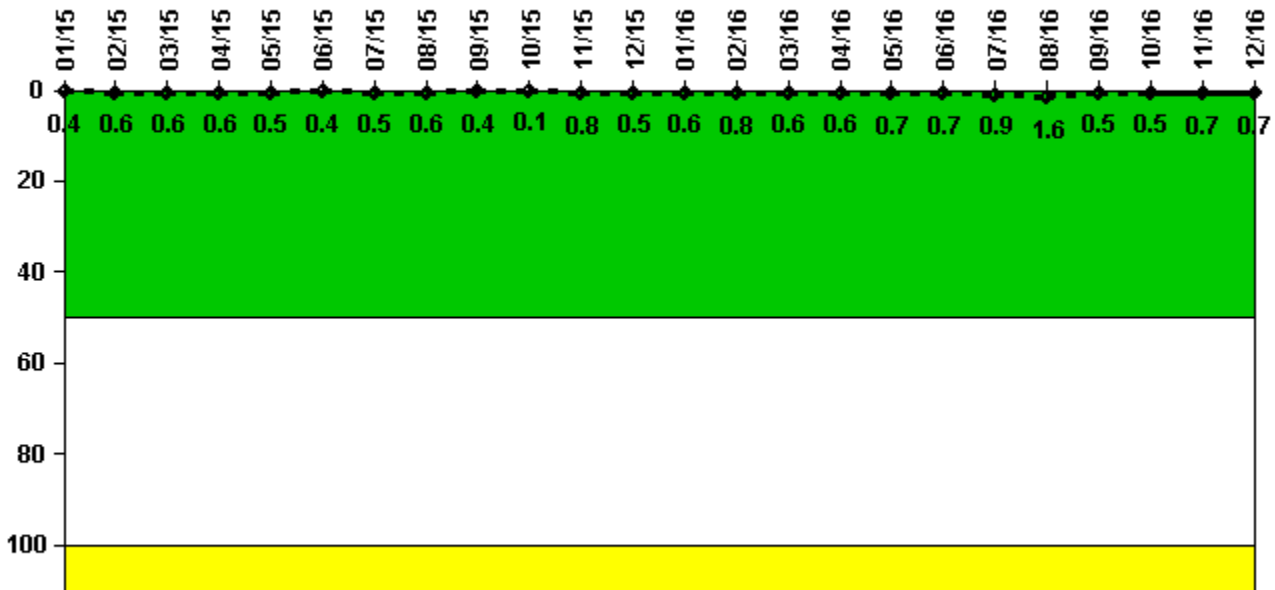
Notes

Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15

Maximum activity	0.000048	0.000047	0.000062	0.000056	0.000056	0.000064	0.000067	0.000067	0.000071	0.000065	0.000048	0.000041
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
Reactor Coolant System Activity	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum activity	0.000044	0.000050	0.000046	0.000062	0.000053	0.000054	0.000057	0.000055	0.000067	0.000050	0.000047	0.000053
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

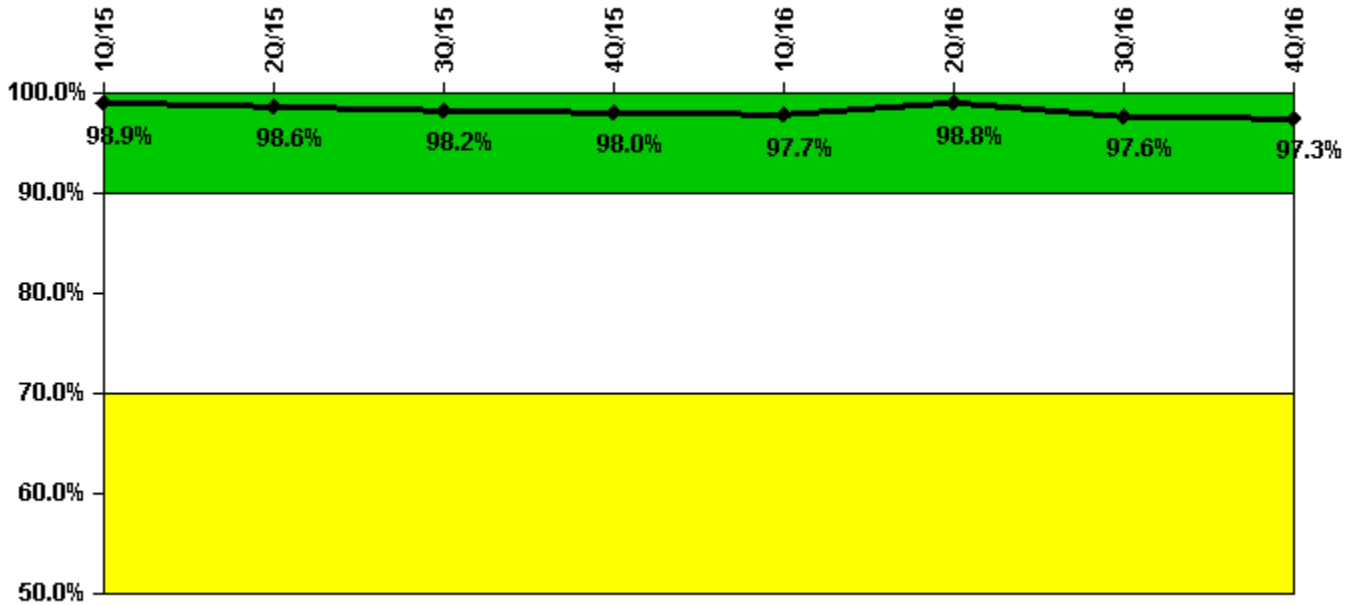
Notes

Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.041	0.064	0.057	0.060	0.053	0.042	0.051	0.061	0.044	0.005	0.075	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	0.4	0.6	0.6	0.6	0.5	0.4	0.5	0.6	0.4	0.1	0.8	0.5

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.061	0.081	0.058	0.059	0.067	0.072	0.086	0.158	0.046	0.053	0.074	0.071
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	0.6	0.8	0.6	0.6	0.7	0.7	0.9	1.6	0.5	0.5	0.7	0.7

Licensee Comments: none

Drill/Exercise Performance



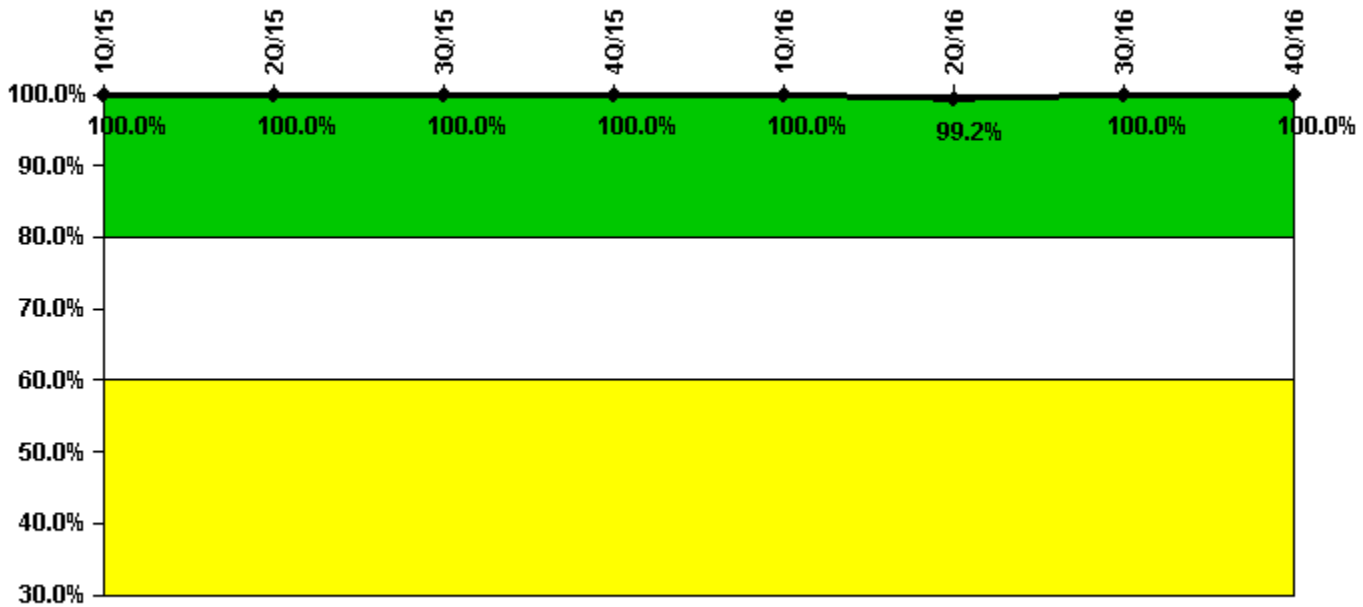
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	30.0	43.0	22.0	4.0	37.0	48.0	33.0	37.0
Total opportunities	30.0	44.0	23.0	4.0	38.0	48.0	36.0	38.0
Indicator value	98.9%	98.6%	98.2%	98.0%	97.7%	98.8%	97.6%	97.3%

Licensee Comments: none

ERO Drill Participation



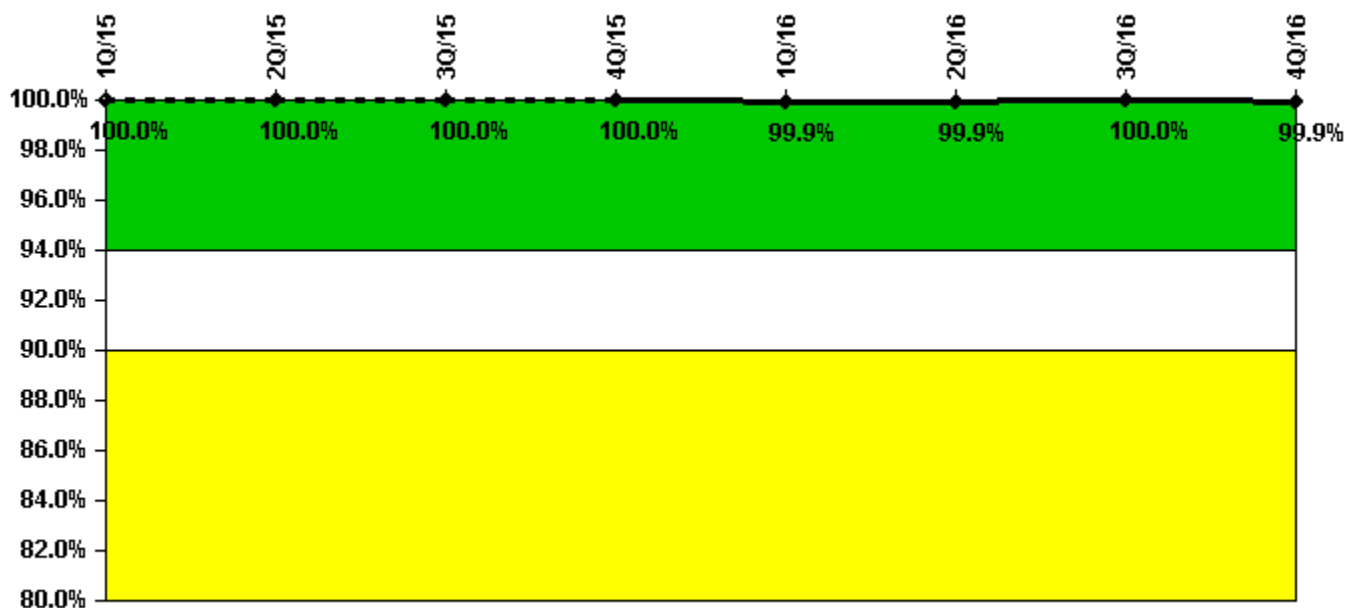
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	120.0	117.0	121.0	119.0	121.0	122.0	127.0	124.0
Total Key personnel	120.0	117.0	121.0	119.0	121.0	123.0	127.0	124.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	99.2%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



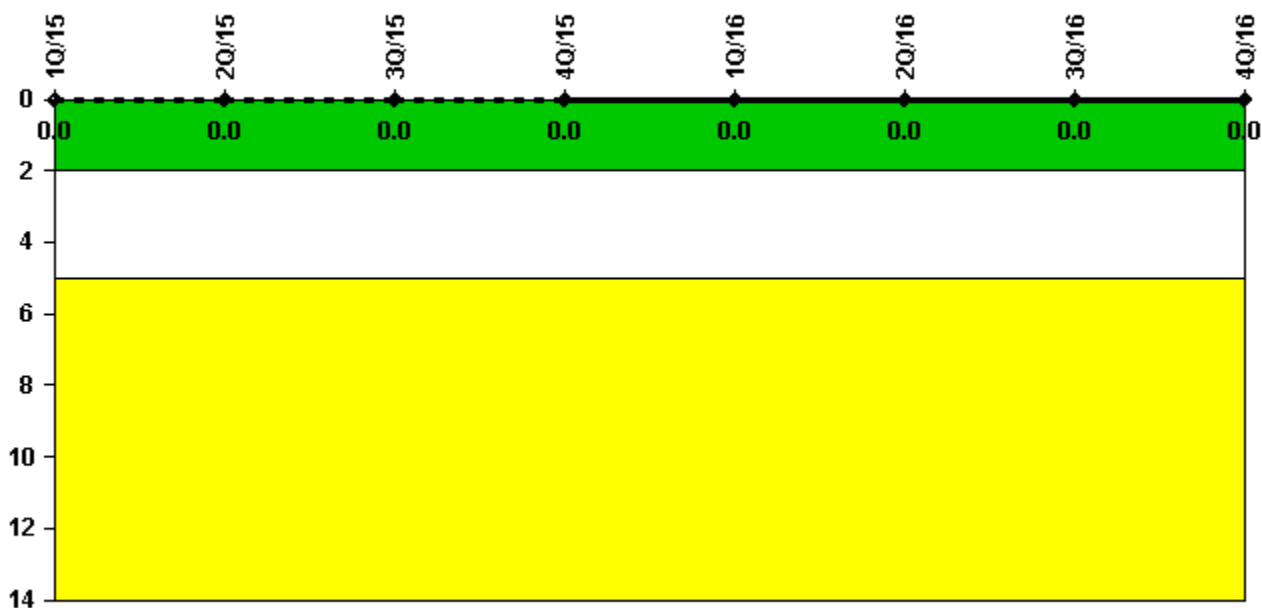
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	917	1047	1178	1048	916	1047	1179	1047
Total sirens-tests	917	1048	1179	1048	917	1048	1179	1048
Indicator value	100.0%	100.0%	100.0%	100.0%	99.9%	99.9%	100.0%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



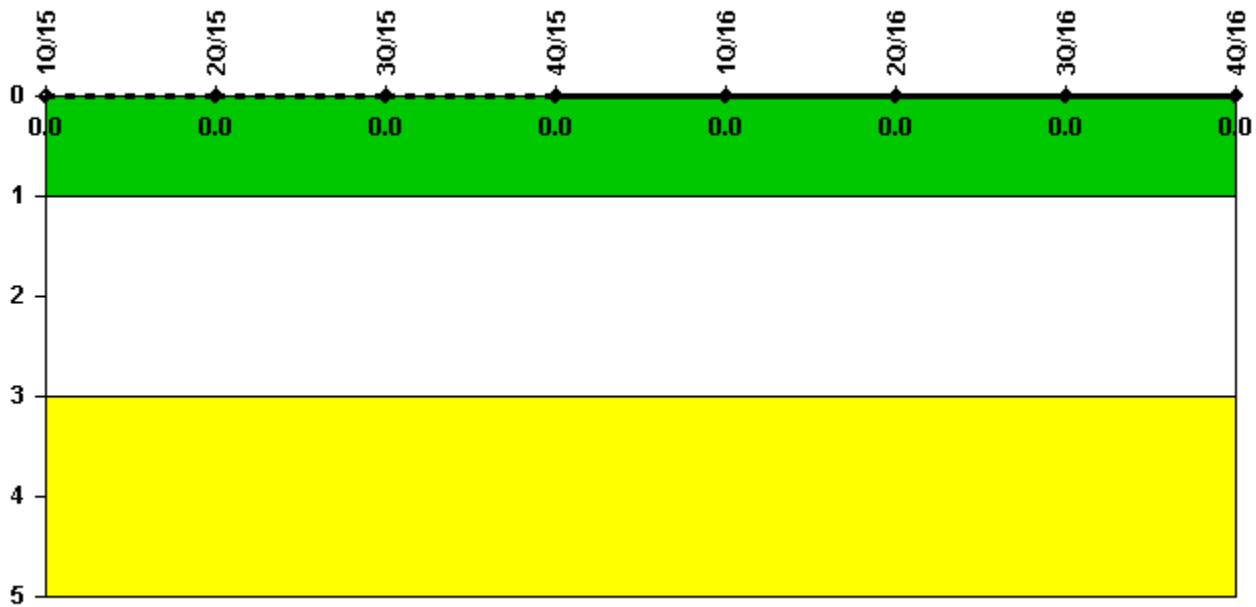
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
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: January 24, 2017



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Diablo Canyon 1 > Quarterly Performance Indicators

Diablo Canyon 1 – Quarterly Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

1Q/2017 Performance Indicators

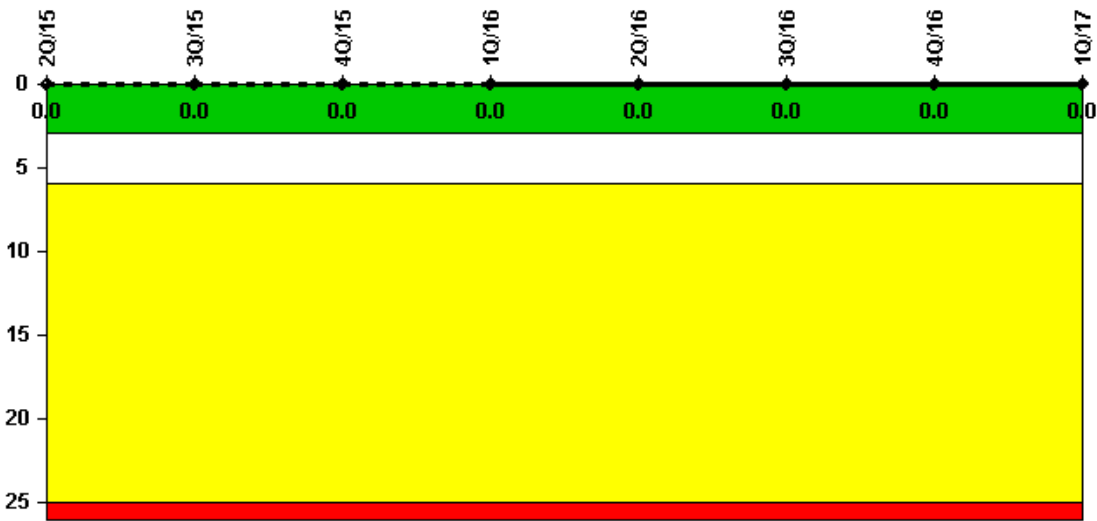
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

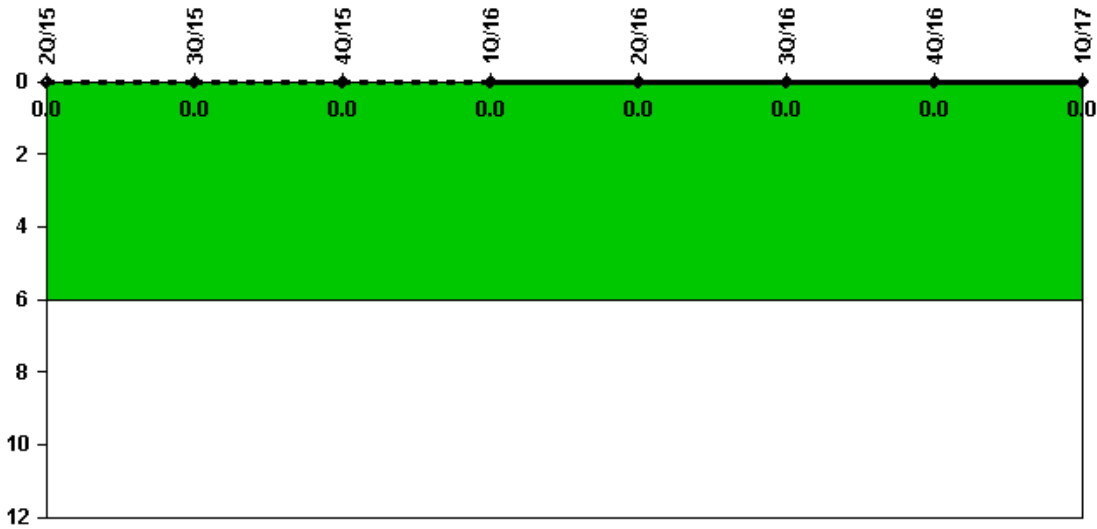
Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1400.5	2183.0	2184.0	2208.0	2209.0	2159.0

Indicator value: 0 0 0 0 0 0 0 0 0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

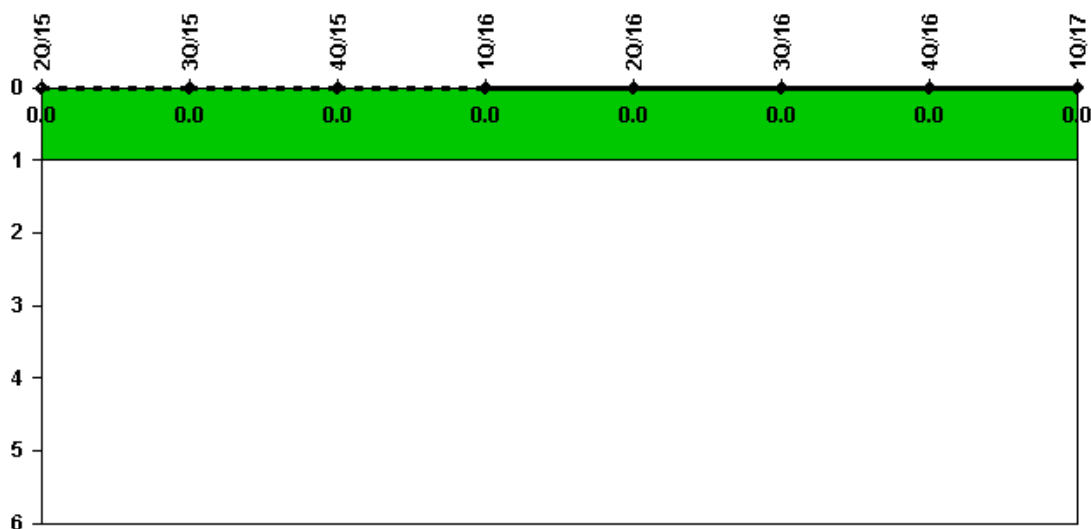
Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1400.5	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

▲ TOP

Licensee Comments:

4Q/15: On December 11, 2015, Diablo Canyon Unit 1 was ramped to approximately 25 percent power due to ocean storm swells and biofouling of the condenser. The power change was made proactively in order to prevent a plant trip consistent with NEI 99-02, Revision 7, Appendix D FAQs for Diablo Canyon, and is therefore classified as unplanned, excluded per NEI 99-02. Reference SAPN 50828812.

Unplanned Scrams with Complications



Thresholds: White > 1.0

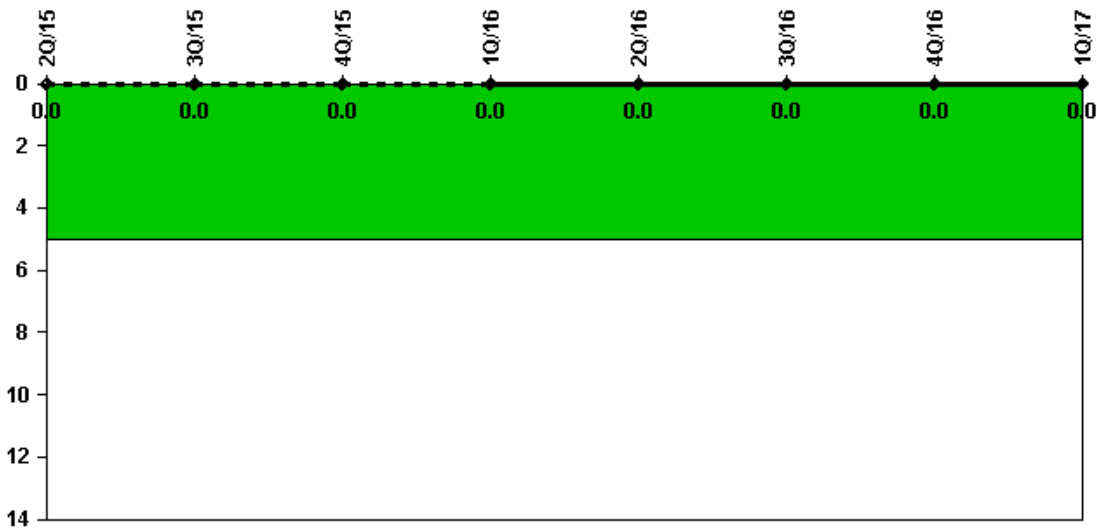
Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
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

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Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

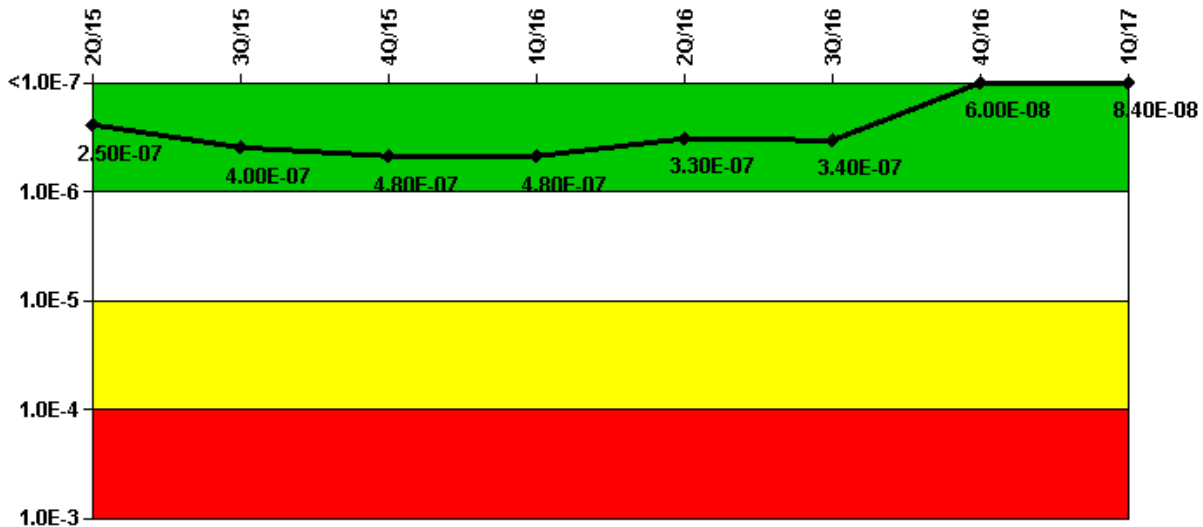
Safety System Functional Failures (PWR) 2Q/15 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17
 Safety System Functional Failures 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

▲ TOP

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

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	4.42E-09	3.38E-08	5.96E-08	6.00E-08	4.10E-08	4.91E-08	3.34E-09	2.80E-08
URI (ΔCDF)	2.41E-07	3.66E-07	4.22E-07	4.22E-07	2.84E-07	2.91E-07	5.64E-08	5.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.50E-07	4.00E-07	4.80E-07	4.80E-07	3.30E-07	3.40E-07	6.00E-08	8.40E-08

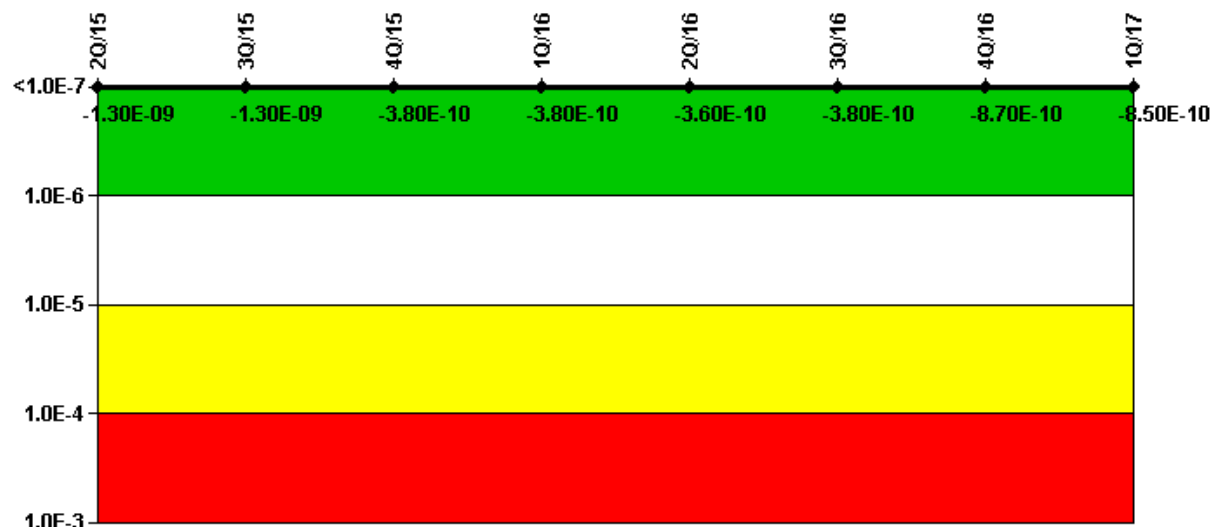
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)								

NRC: Diablo Canyon 1 – Quarterly Performance Indicators

	-1.68E-10	-1.52E-10	-1.19E-10	-1.19E-10	-1.01E-10	-1.21E-10	-1.13E-10	-8.93E-11
URI (ΔCDF)	-1.13E-09	-1.13E-09	-2.60E-10	-2.60E-10	-2.60E-10	-2.60E-10	-7.59E-10	-7.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-09	-1.30E-09	-3.80E-10	-3.80E-10	-3.60E-10	-3.80E-10	-8.70E-10	-8.50E-10

▲ TOP

Licensee Comments:

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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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-9.88E-09	-1.25E-08	-1.78E-08	-1.78E-08	-1.78E-08	-1.78E-08	-1.85E-08	-1.85E-08
URI (ΔCDF)	-4.97E-08	-4.97E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.79E-08	-5.79E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-08	-6.20E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.60E-08	-7.60E-08

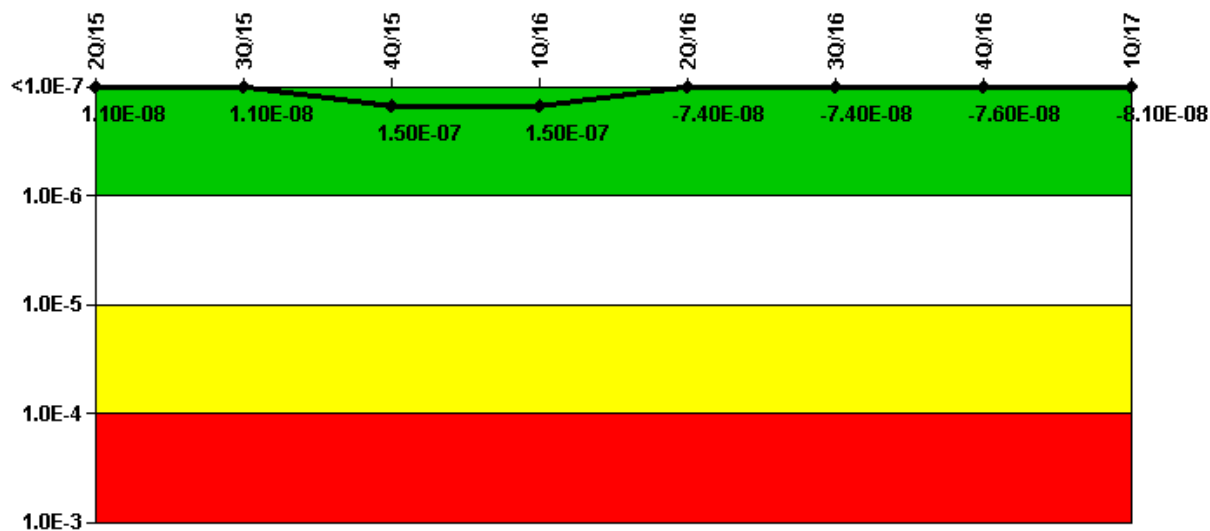
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Licensee Comments:

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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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	2.79E-08	2.79E-08	3.87E-07	3.86E-07	1.63E-07	1.63E-07	1.01E-07	9.61E-08
URI (ΔCDF)	-1.69E-08	-1.70E-08	-2.37E-07	-2.37E-07	-2.37E-07	-2.37E-07	-1.77E-07	-1.77E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.10E-08	1.10E-08	1.50E-07	1.50E-07	-7.40E-08	-7.40E-08	-7.60E-08	-8.10E-08

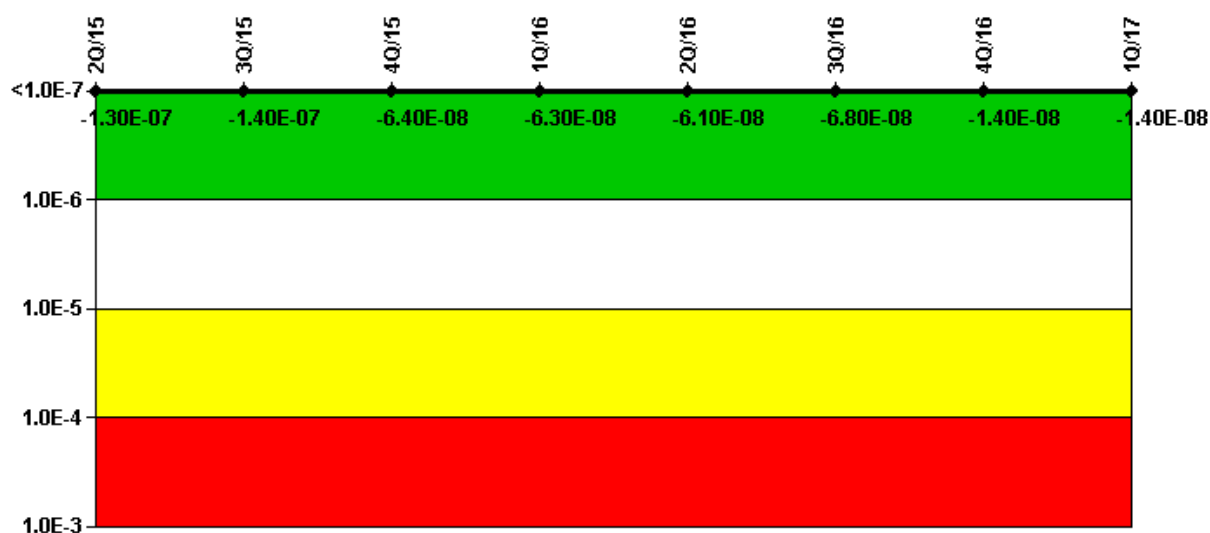
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Licensee Comments:

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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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-7.37E-08	-8.49E-08	-4.19E-08	-4.10E-08	-3.93E-08	-4.57E-08	-8.78E-09	-8.76E-09
URI (ΔCDF)	-5.20E-08	-5.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-4.90E-09	-4.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-1.40E-07	-6.40E-08	-6.30E-08	-6.10E-08	-6.80E-08	-1.40E-08	-1.40E-08

▲ TOP

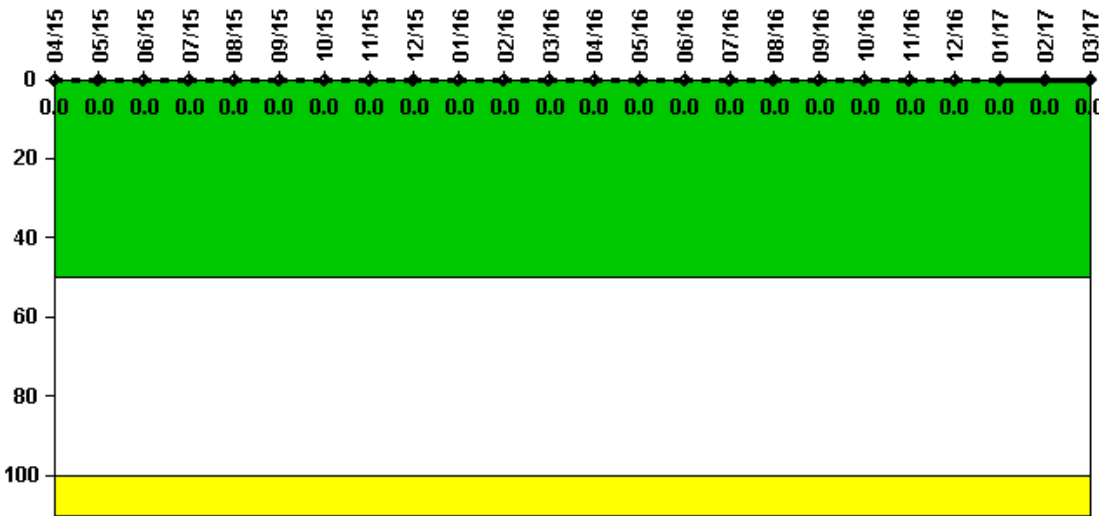
Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all

monitored trains and components were revised.

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

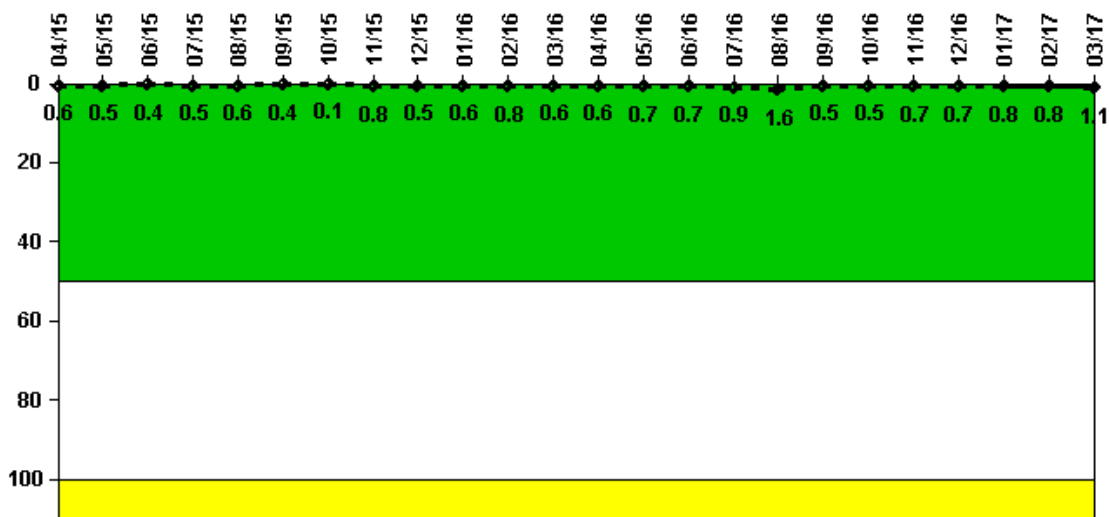
Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000056	0.000056	0.000064	0.000067	0.000067	0.000071	0.000065	0.000048	0.000041	0.000044	0.000050	0.000046
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum activity	0.000062	0.000053	0.000054	0.000057	0.000055	0.000067	0.000050	0.000047	0.000053	0.000054	0.000053	0.000056
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

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Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	0.060	0.053	0.042	0.051	0.061	0.044	0.005	0.075	0.051	0.061	0.081	0.058
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

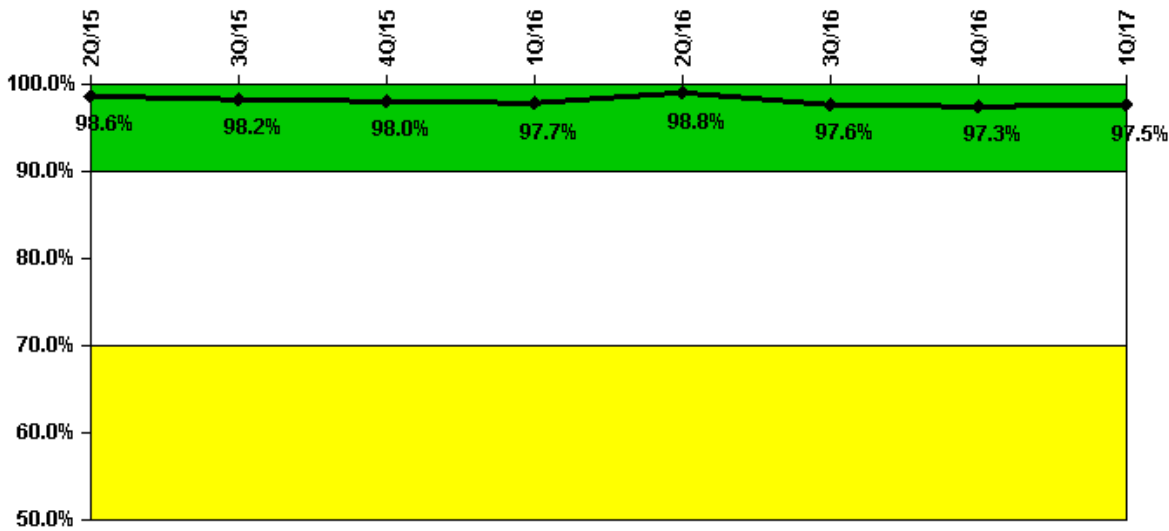
Indicator value	0.6	0.5	0.4	0.5	0.6	0.4	0.1	0.8	0.5	0.6	0.8	0.6
Reactor Coolant System Leakage	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum leakage	0.059	0.067	0.072	0.086	0.158	0.046	0.053	0.074	0.071	0.078	0.084	0.106
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	0.6	0.7	0.7	0.9	1.6	0.5	0.5	0.7	0.7	0.8	0.8	1.1
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Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

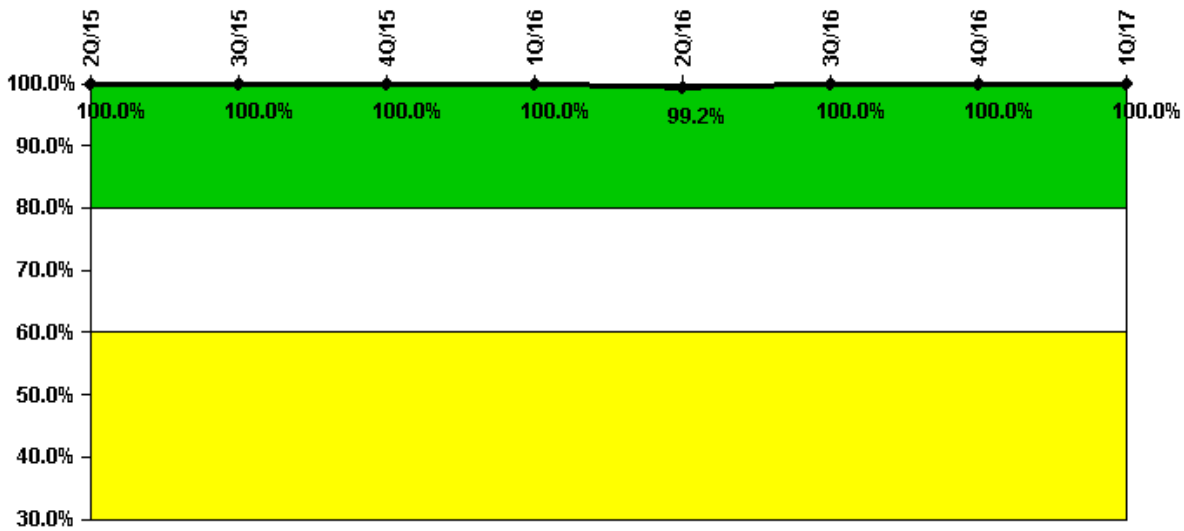
Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	43.0	22.0	4.0	37.0	48.0	33.0	37.0	44.0
Total opportunities	44.0	23.0	4.0	38.0	48.0	36.0	38.0	44.0

Indicator value **98.6% 98.2% 98.0% 97.7% 98.8% 97.6% 97.3% 97.5%**

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Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

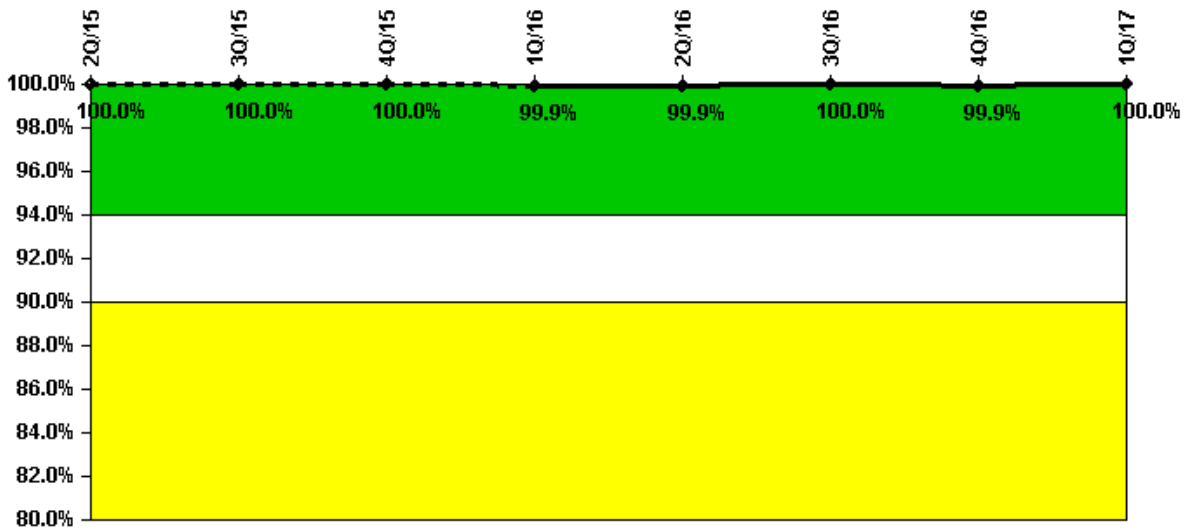
ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	117.0	121.0	119.0	121.0	122.0	127.0	124.0	132.0
Total Key personnel	117.0	121.0	119.0	121.0	123.0	127.0	124.0	132.0

Indicator value **100.0% 100.0% 100.0% 100.0% 99.2% 100.0% 100.0% 100.0%**

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Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

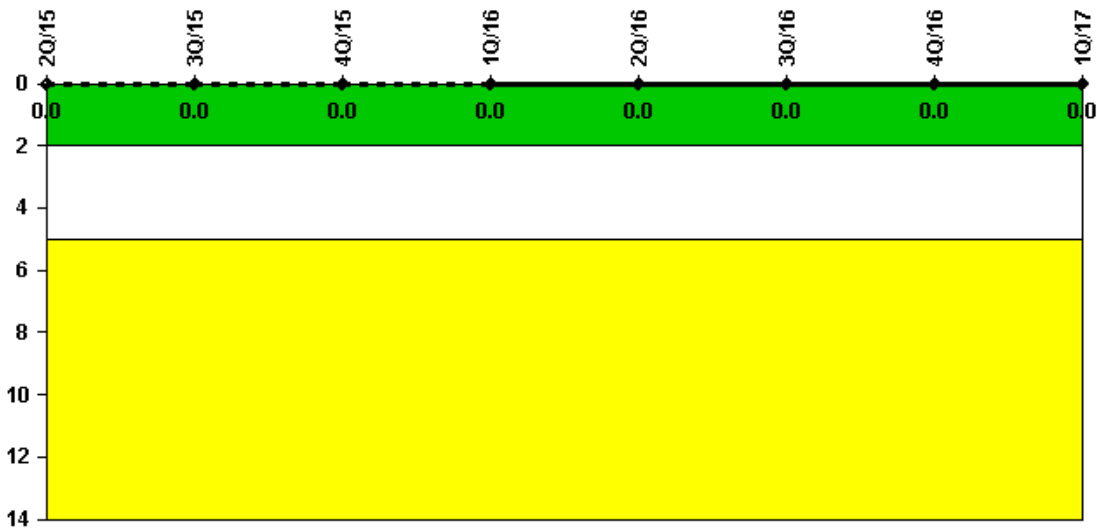
Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	1047	1178	1048	916	1047	1179	1047	917
Total sirens-tests	1048	1179	1048	917	1048	1179	1048	917

Indicator value **100.0% 100.0% 100.0% 99.9% 99.9% 100.0% 99.9% 100.0%**

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Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

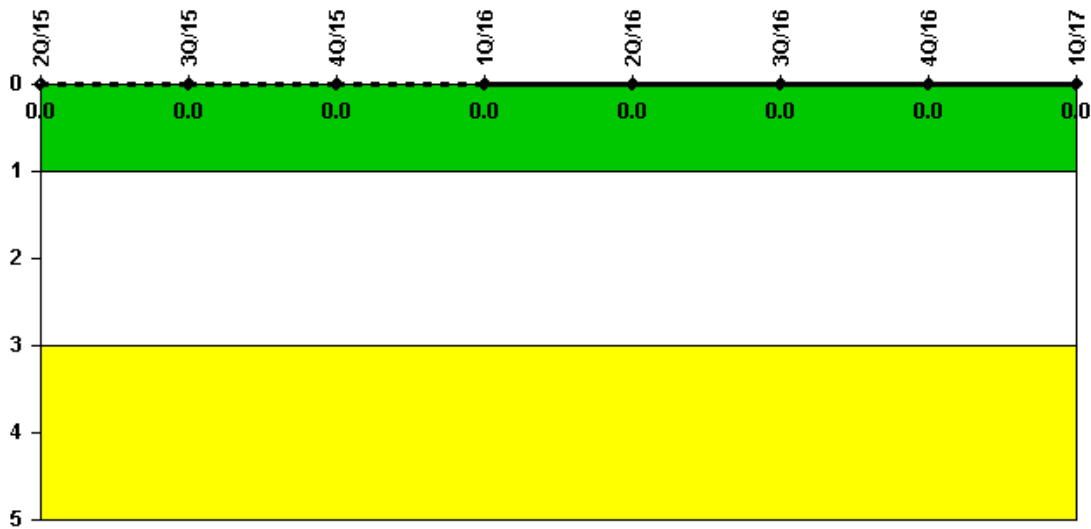
Notes

Occupational Exposure Control Effectiveness	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
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

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent 2Q/15 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17

RETS/ODCM occurrences 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

[TOP](#)

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.

Current data as of: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Diablo Canyon 1 > Quarterly Performance Indicators

Diablo Canyon 1 – Quarterly Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

2Q/2017 Performance Indicators

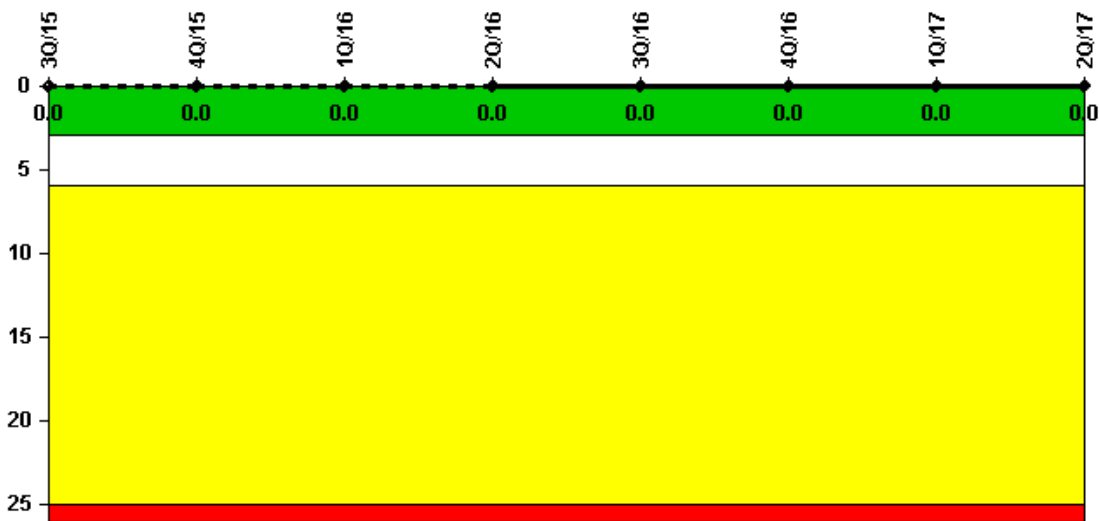
The solid trend line represents the current reporting period.

Licensee's General Comments: Indicator PP01 is revised from December 2016 to May 2017 to include compensatory hours for security equipment upgrade modifications that were previously excluded. The color of the indicator is not affected by this change.

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

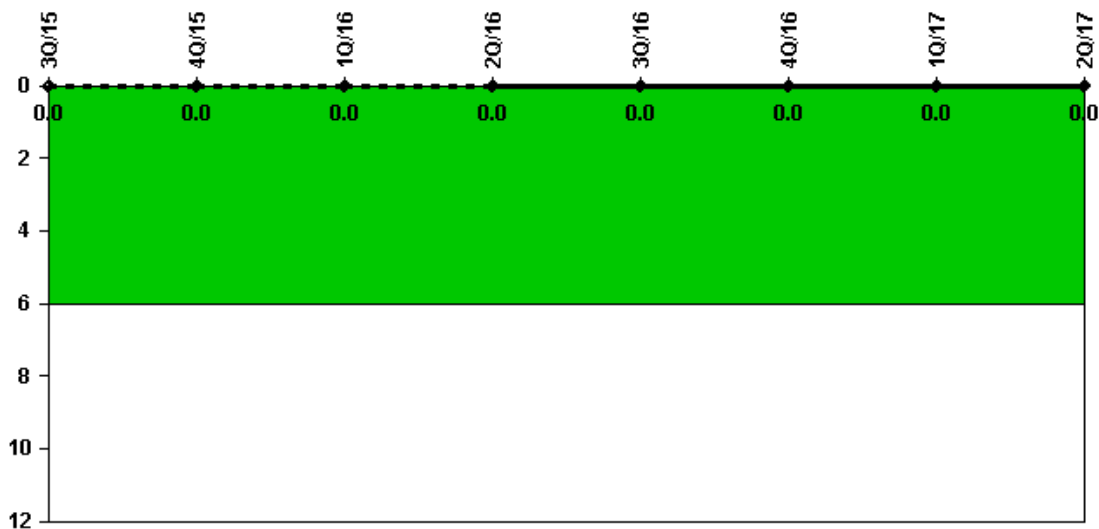
Unplanned Scrams per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1400.5	2183.0	2184.0	2208.0	2209.0	2159.0	776.9

Indicator value	0	0	0	0	0	0	0	0
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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

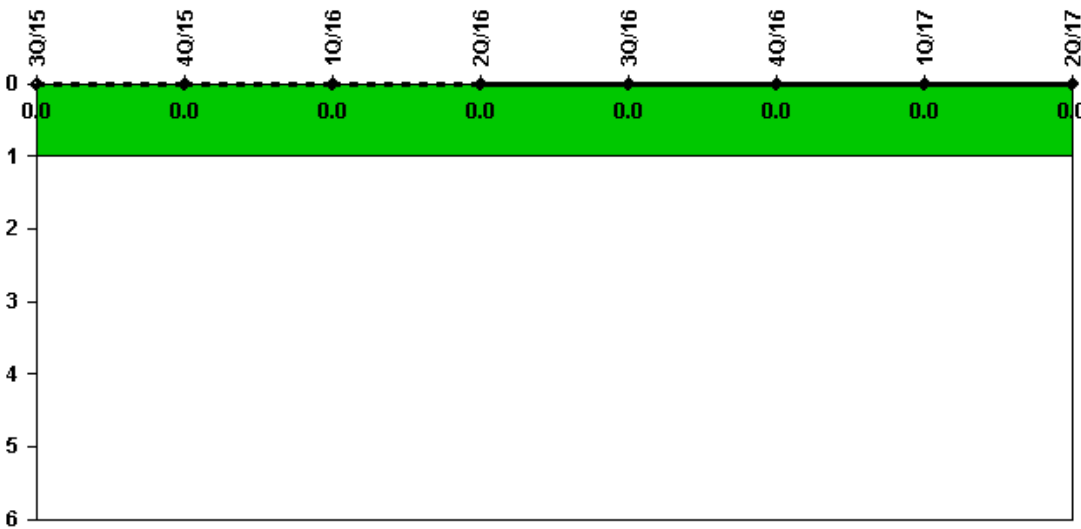
Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1400.5	2183.0	2184.0	2208.0	2209.0	2159.0	776.9
Indicator value	0	0	0	0	0	0	0	0

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Licensee Comments:

4Q/15: On December 11, 2015, Diablo Canyon Unit 1 was ramped to approximately 25 percent power due to ocean storm swells and biofouling of the condenser. The power change was made proactively in order to prevent a plant trip consistent with NEI 99-02, Revision 7, Appendix D FAQs for Diablo Canyon, and is therefore classified as unplanned, excluded per NEI 99-02. Reference SAPN 50828812.

Unplanned Scrams with Complications



Thresholds: White > 1.0

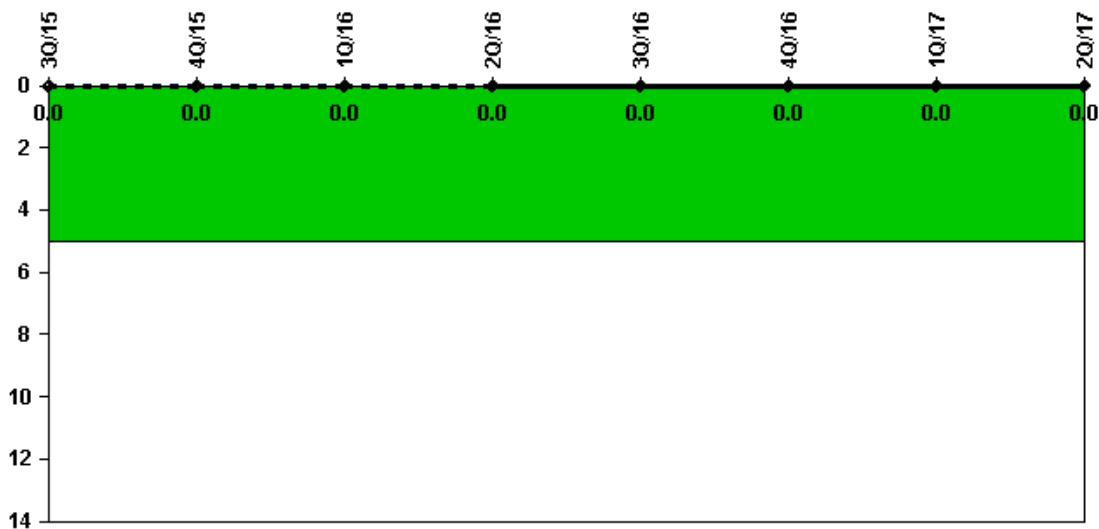
Notes

Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
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

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Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17

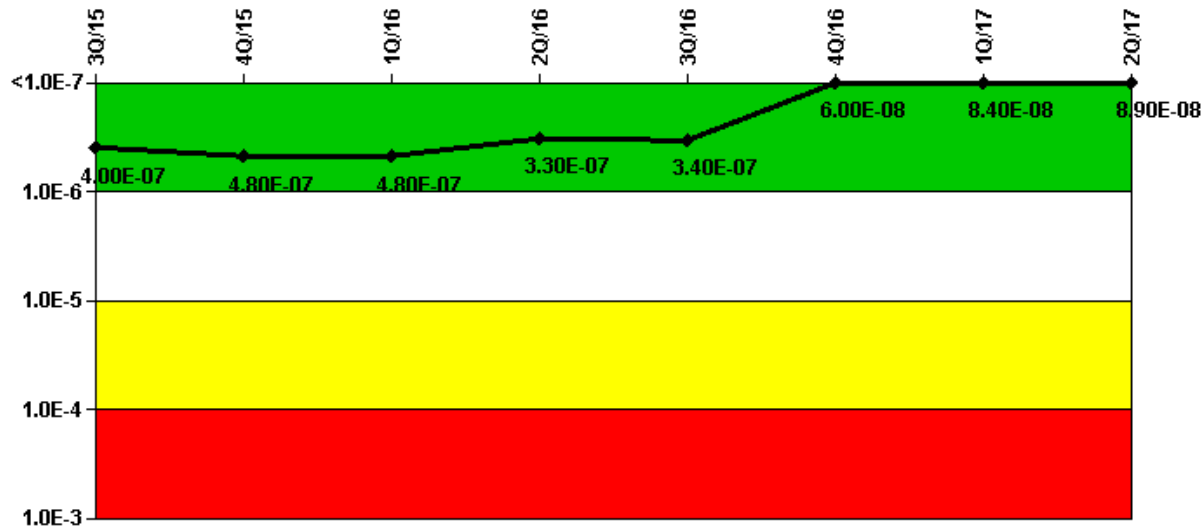
Safety System Functional Failures 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

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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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	3.38E-08	5.96E-08	6.00E-08	4.10E-08	4.91E-08	3.34E-09	2.80E-08	3.27E-08
URI (ΔCDF)	3.66E-07	4.22E-07	4.22E-07	2.84E-07	2.91E-07	5.64E-08	5.64E-08	5.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.00E-07	4.80E-07	4.80E-07	3.30E-07	3.40E-07	6.00E-08	8.40E-08	8.90E-08

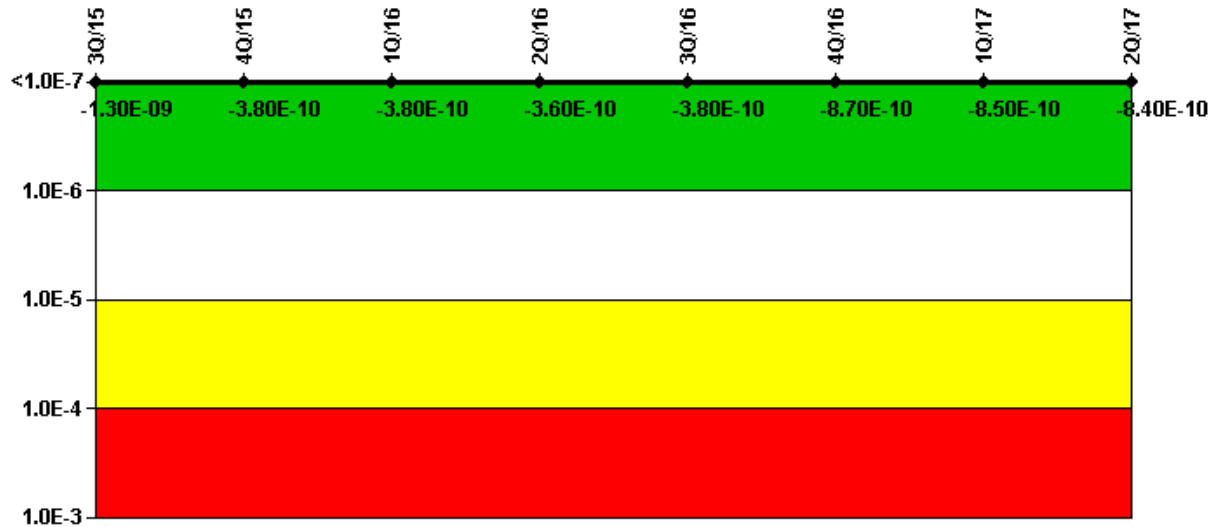
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)								

	-1.52E-10	-1.19E-10	-1.19E-10	-1.01E-10	-1.21E-10	-1.13E-10	-8.93E-11	-8.15E-11
URI (ΔCDF)	-1.13E-09	-2.60E-10	-2.60E-10	-2.60E-10	-2.60E-10	-7.59E-10	-7.59E-10	-7.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-09	-3.80E-10	-3.80E-10	-3.60E-10	-3.80E-10	-8.70E-10	-8.50E-10	-8.40E-10

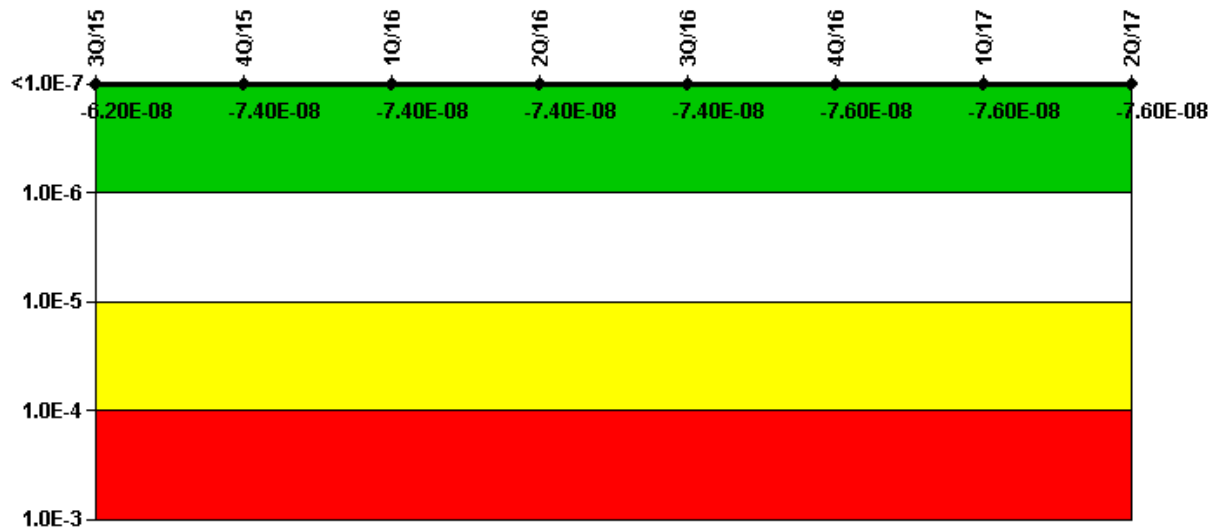
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Licensee Comments:

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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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-1.25E-08	-1.78E-08	-1.78E-08	-1.78E-08	-1.78E-08	-1.85E-08	-1.85E-08	-1.85E-08
URI (ΔCDF)	-4.97E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.79E-08	-5.79E-08	-5.79E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.20E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.60E-08	-7.60E-08	-7.60E-08	-7.60E-08

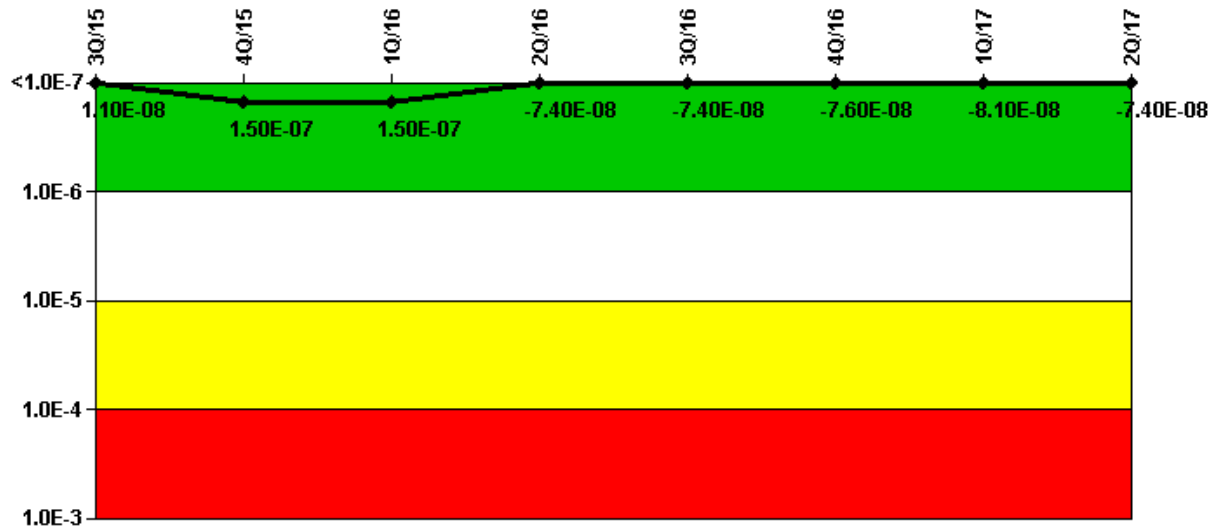
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	2.79E-08	3.87E-07	3.86E-07	1.63E-07	1.63E-07	1.01E-07	9.61E-08	1.03E-07
URI (ΔCDF)	-1.70E-08	-2.37E-07	-2.37E-07	-2.37E-07	-2.37E-07	-1.77E-07	-1.77E-07	-1.77E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.10E-08	1.50E-07	1.50E-07	-7.40E-08	-7.40E-08	-7.60E-08	-8.10E-08	-7.40E-08

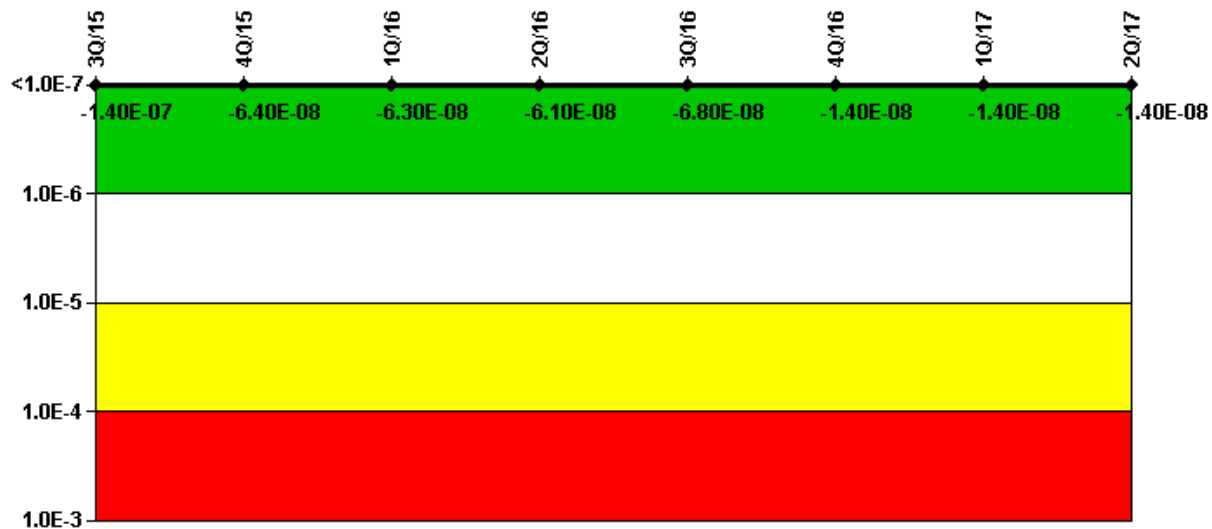
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Licensee Comments:

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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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-8.49E-08	-4.19E-08	-4.10E-08	-3.93E-08	-4.57E-08	-8.78E-09	-8.76E-09	-8.76E-09
URI (ΔCDF)	-5.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-4.90E-09	-4.90E-09	-4.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-6.40E-08	-6.30E-08	-6.10E-08	-6.80E-08	-1.40E-08	-1.40E-08	-1.40E-08

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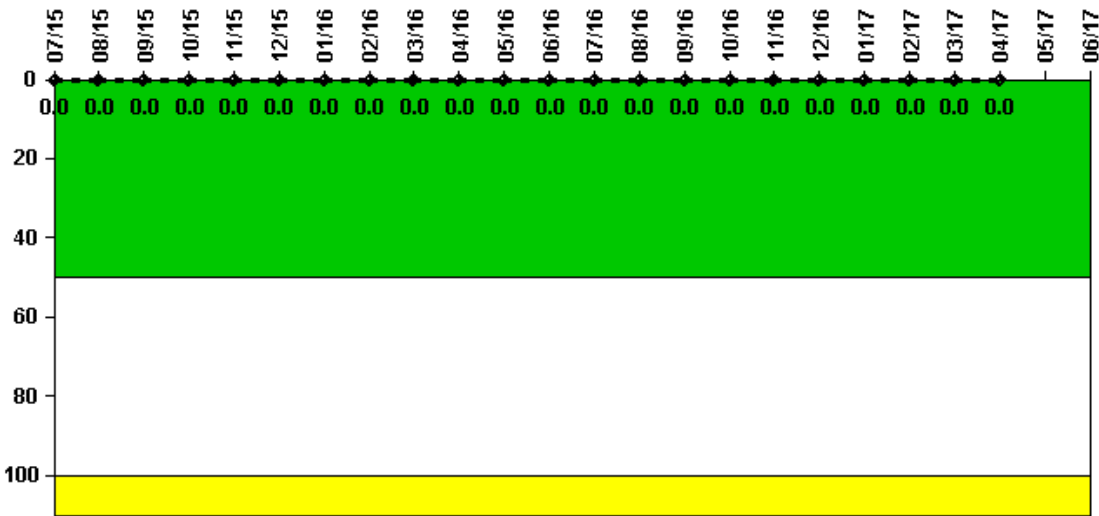
Licensee Comments:

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Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

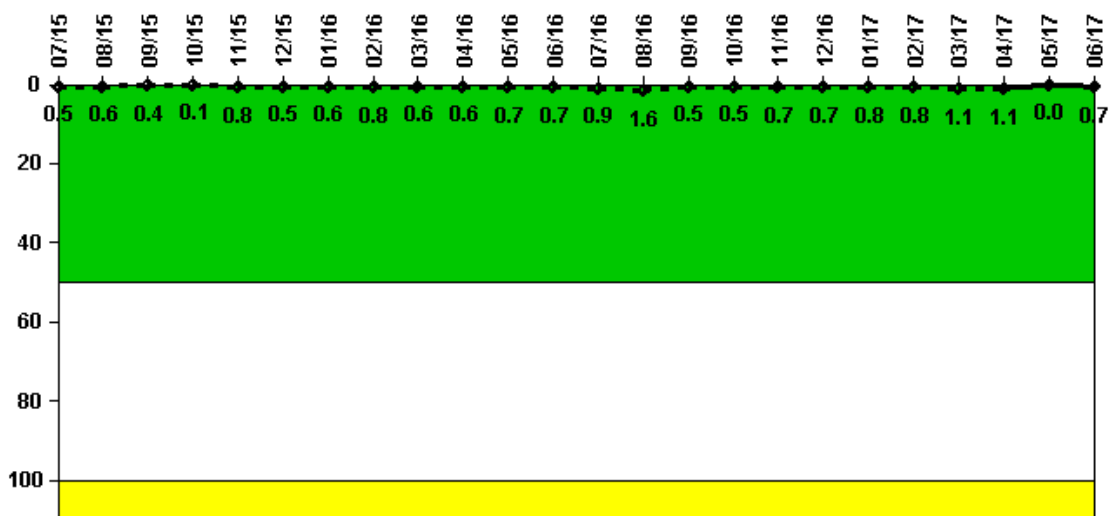
Notes

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000067	0.000067	0.000071	0.000065	0.000048	0.000041	0.000044	0.000050	0.000046	0.000062	0.000053	0.000054
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
Reactor Coolant System Activity	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000057	0.000055	0.000067	0.000050	0.000047	0.000053	0.000054	0.000053	0.000056	0.000075	N/A	N/A
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	N/A	N/A

TOP

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.051	0.061	0.044	0.005	0.075	0.051	0.061	0.081	0.058	0.059	0.067	0.072
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

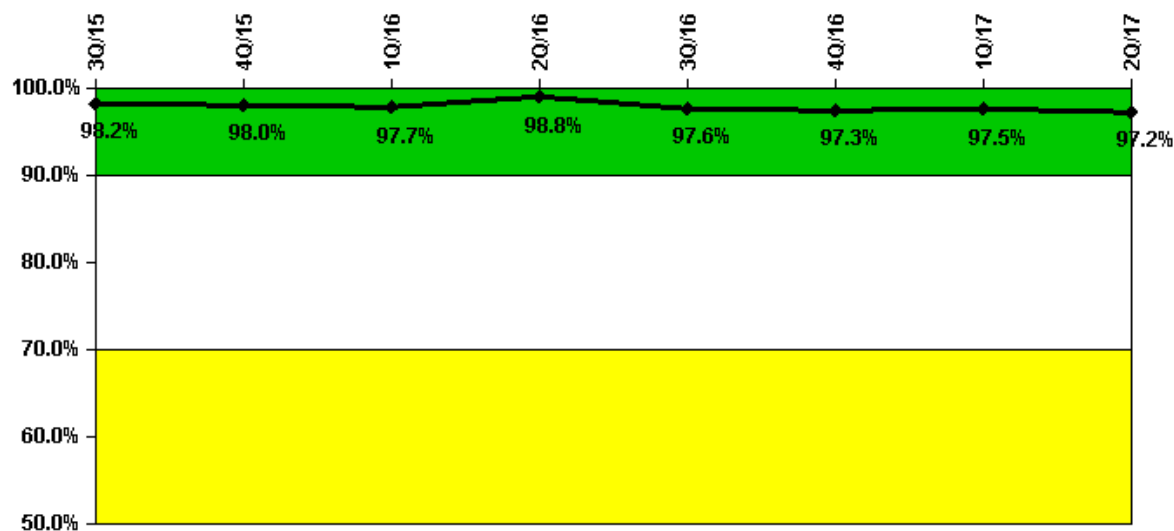
Indicator value	0.5	0.6	0.4	0.1	0.8	0.5	0.6	0.8	0.6	0.6	0.7	0.7
Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	0.086	0.158	0.046	0.053	0.074	0.071	0.078	0.084	0.106	0.105	0	0.069
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	0.9	1.6	0.5	0.5	0.7	0.7	0.8	0.8	1.1	1.1	0	0.7
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Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

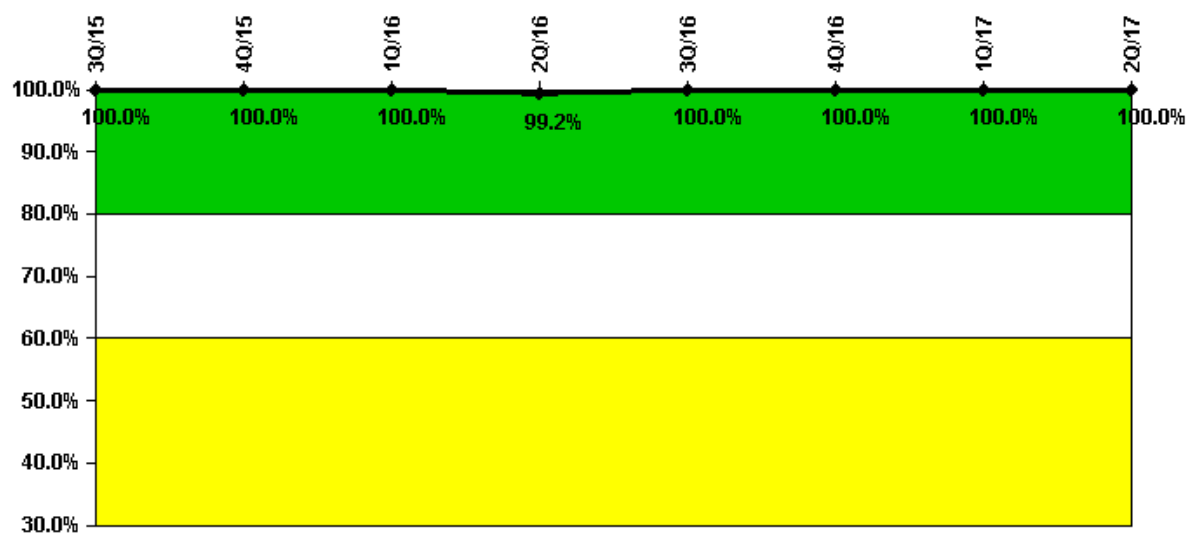
Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	22.0	4.0	37.0	48.0	33.0	37.0	44.0	16.0
Total opportunities	23.0	4.0	38.0	48.0	36.0	38.0	44.0	17.0

Indicator value 98.2% 98.0% 97.7% 98.8% 97.6% 97.3% 97.5% 97.2%

▲ TOP

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

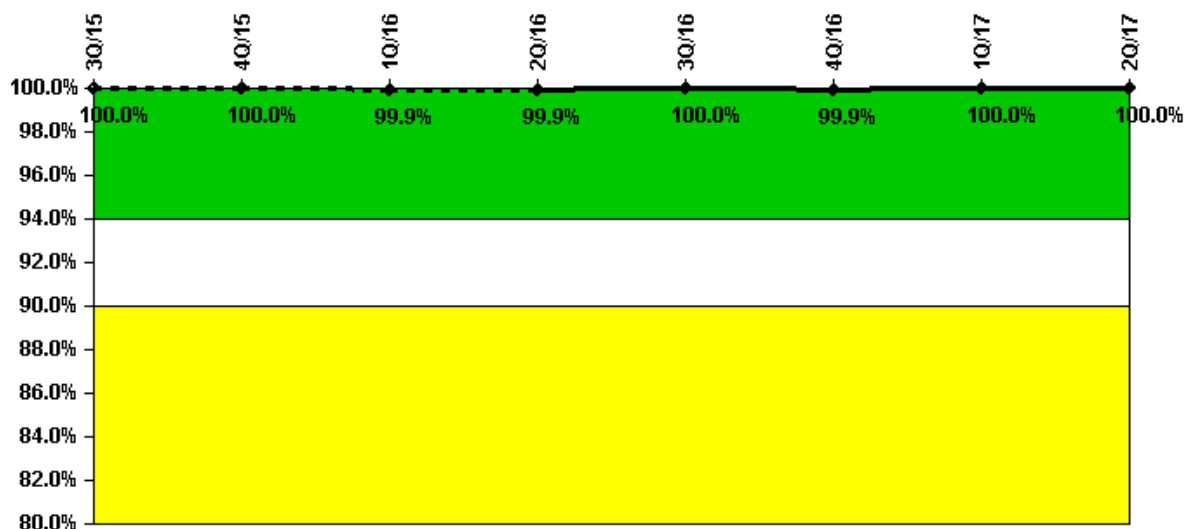
ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	121.0	119.0	121.0	122.0	127.0	124.0	132.0	131.0
Total Key personnel	121.0	119.0	121.0	123.0	127.0	124.0	132.0	131.0

Indicator value **100.0% 100.0% 100.0% 99.2% 100.0% 100.0% 100.0% 100.0%**

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Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

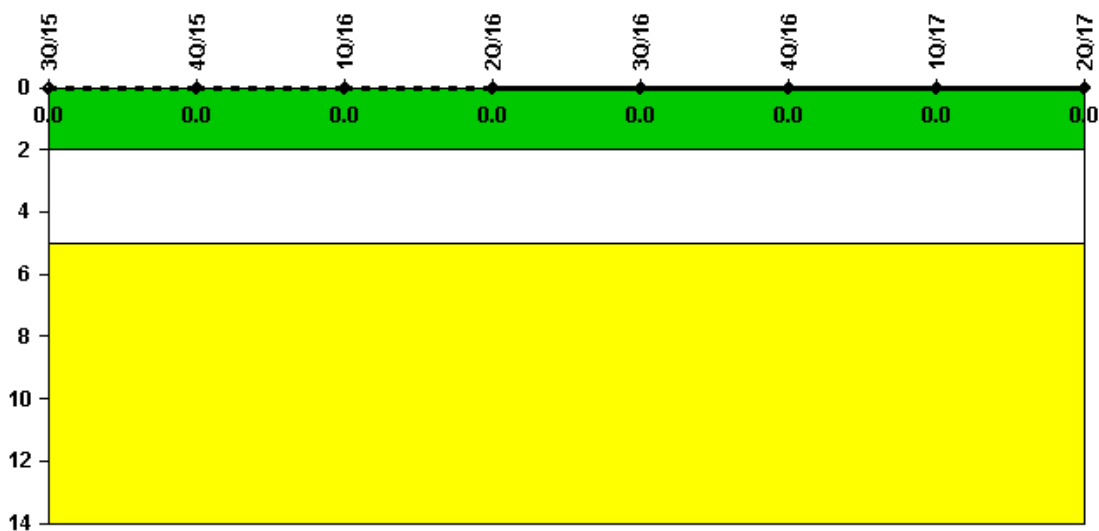
Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	1178	1048	916	1047	1179	1047	917	1048
Total sirens-tests	1179	1048	917	1048	1179	1048	917	1048

Indicator value **100.0% 100.0% 99.9% 99.9% 100.0% 99.9% 100.0% 100.0%**

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Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

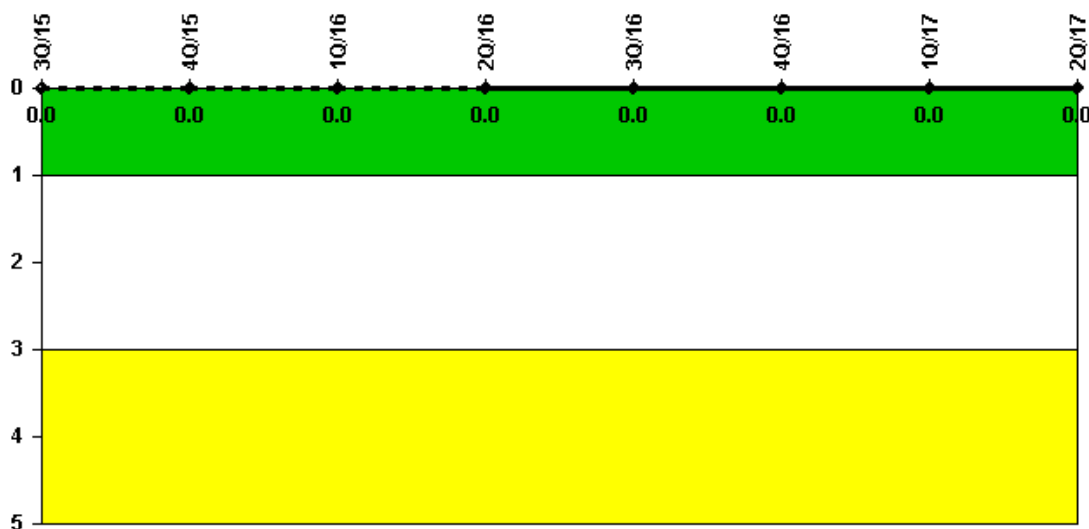
Occupational Exposure Control Effectiveness 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17

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

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17

RETS/ODCM occurrences 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

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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.

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Diablo Canyon 1 > Quarterly Performance Indicators

Diablo Canyon 1 – Quarterly Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

3Q/2017 Performance Indicators

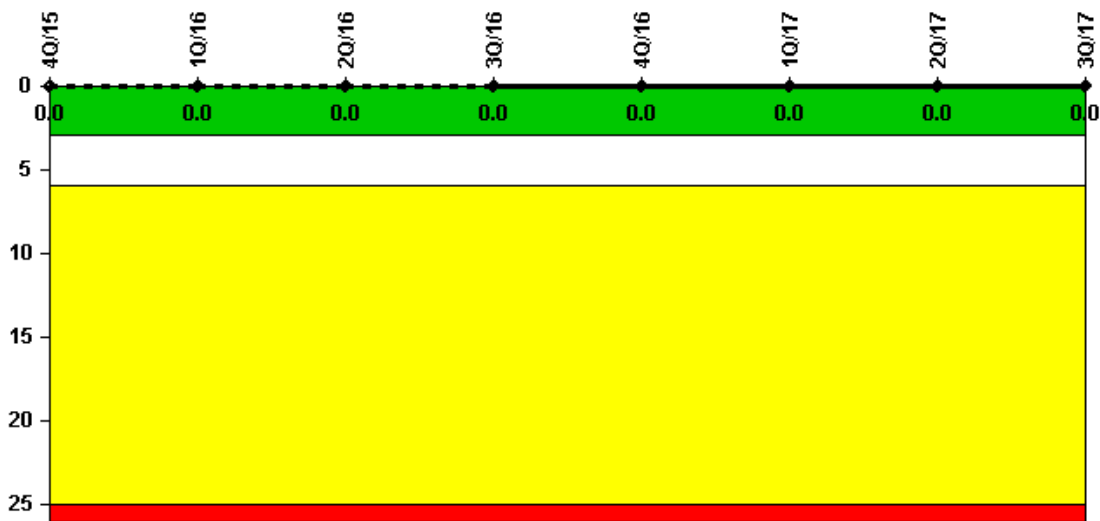
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

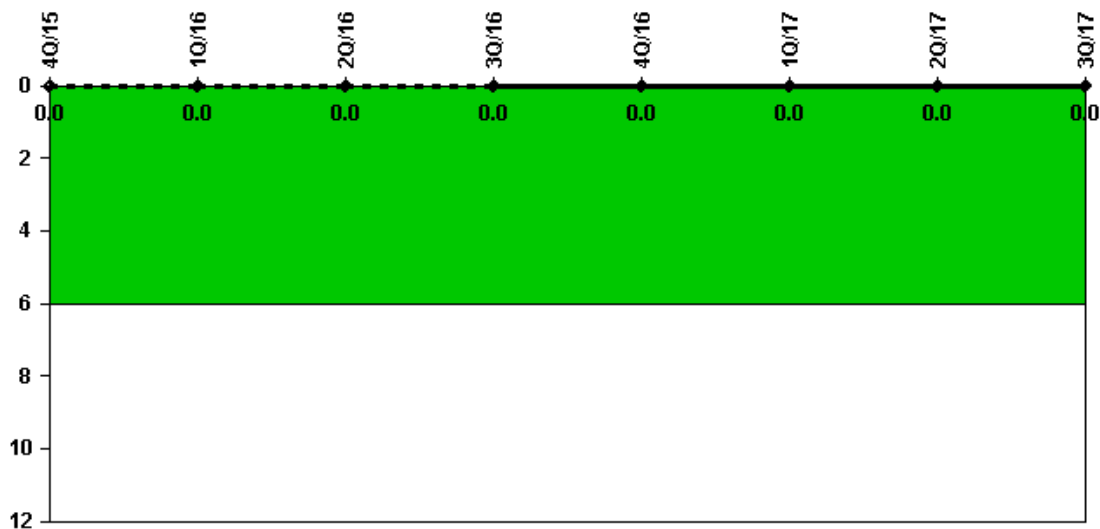
Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1400.5	2183.0	2184.0	2208.0	2209.0	2159.0	776.9	2208.0

Indicator value: 0 0 0 0 0 0 0 0 0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

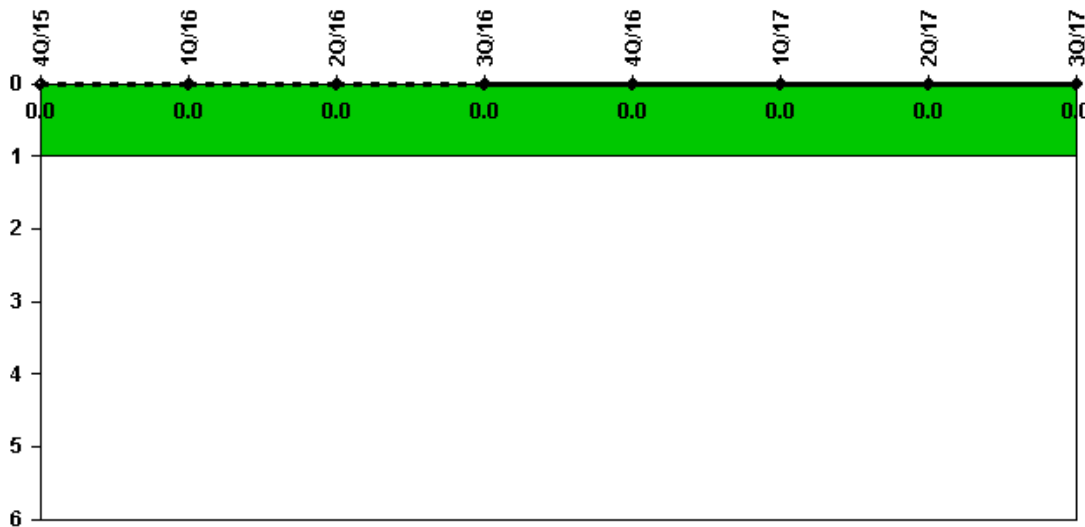
Unplanned Power Changes per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1400.5	2183.0	2184.0	2208.0	2209.0	2159.0	776.9	2208.0
Indicator value	0	0	0	0	0	0	0	0

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Licensee Comments:

4Q/15: On December 11, 2015, Diablo Canyon Unit 1 was ramped to approximately 25 percent power due to ocean storm swells and biofouling of the condenser. The power change was made proactively in order to prevent a plant trip consistent with NEI 99-02, Revision 7, Appendix D FAQs for Diablo Canyon, and is therefore classified as unplanned, excluded per NEI 99-02. Reference SAPN 50828812.

Unplanned Scrams with Complications



Thresholds: White > 1.0

Notes

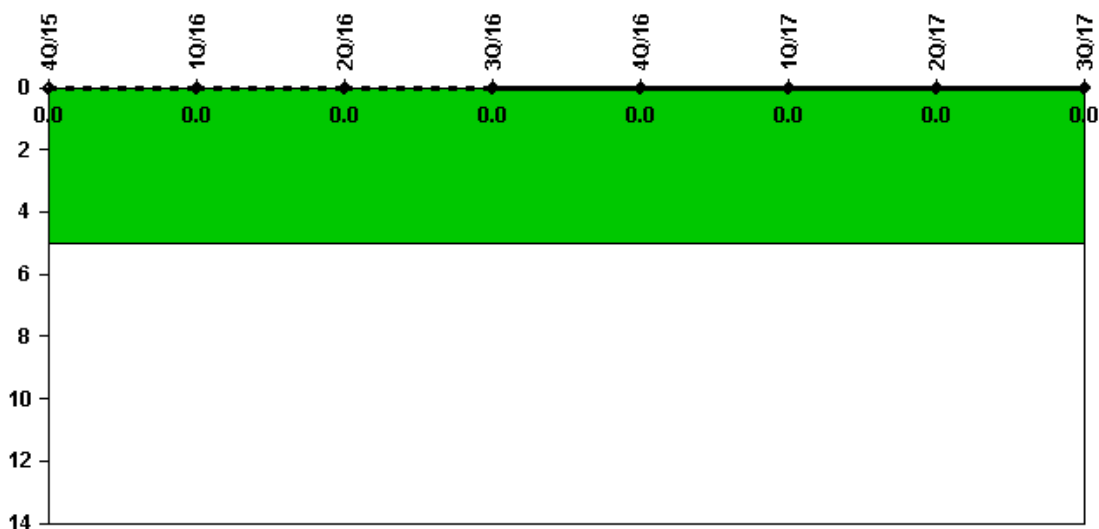
Unplanned Scrams with Complications	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Scrams with complications	0	0	0	0	0	0	0	0

Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

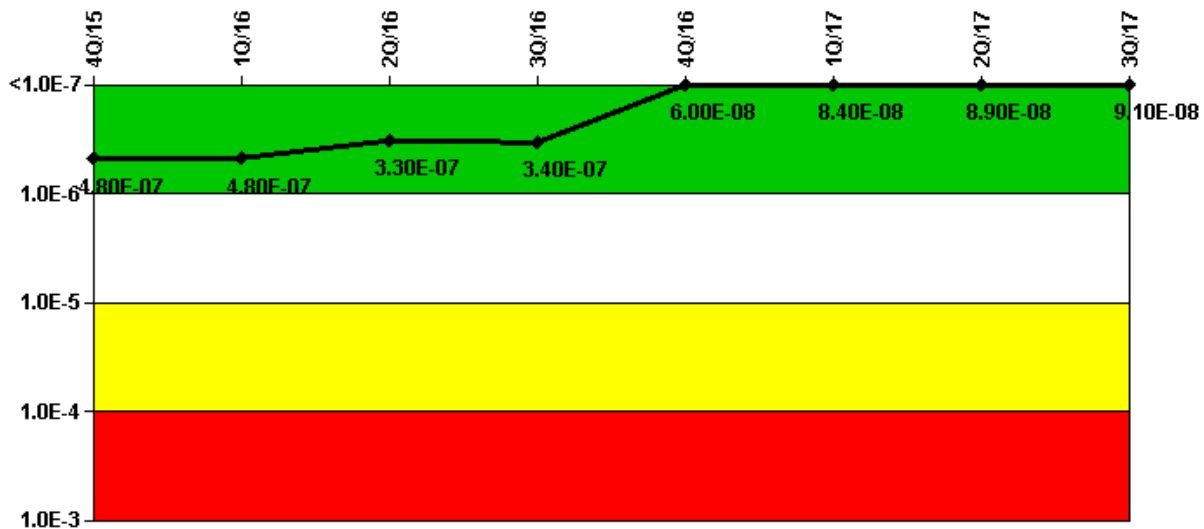
Safety System Functional Failures 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

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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

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	5.96E-08	6.00E-08	4.10E-08	4.91E-08	3.34E-09	2.80E-08	3.27E-08	3.46E-08
URI (ΔCDF)	4.22E-07	4.22E-07	2.84E-07	2.91E-07	5.64E-08	5.64E-08	5.64E-08	5.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.80E-07	4.80E-07	3.30E-07	3.40E-07	6.00E-08	8.40E-08	8.90E-08	9.10E-08

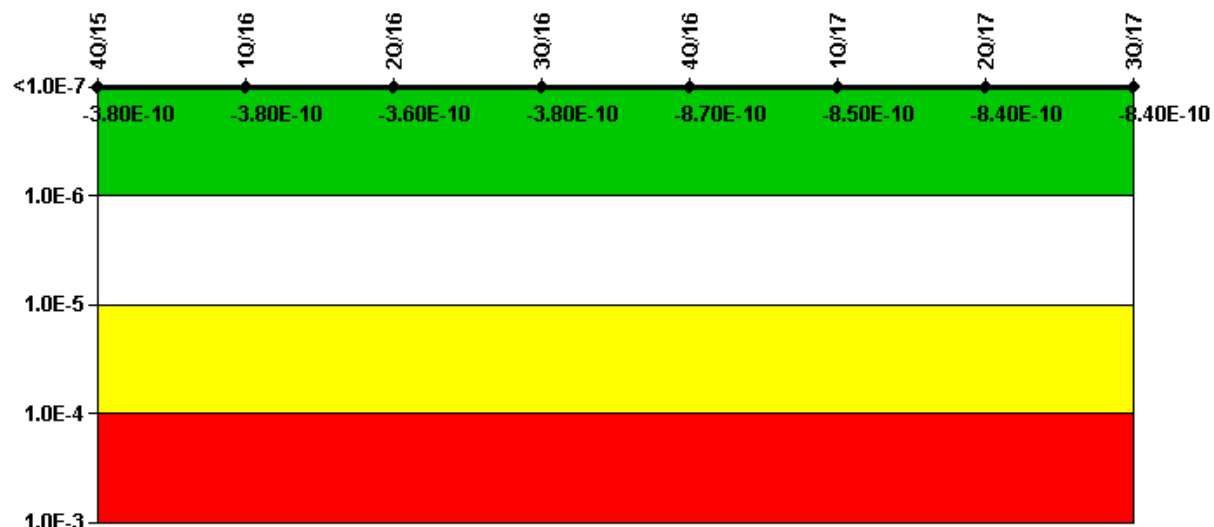
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)								

	-1.19E-10	-1.19E-10	-1.01E-10	-1.21E-10	-1.13E-10	-8.93E-11	-8.15E-11	-8.15E-11
URI (ΔCDF)	-2.60E-10	-2.60E-10	-2.60E-10	-2.60E-10	-7.59E-10	-7.59E-10	-7.59E-10	-7.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-10	-3.80E-10	-3.60E-10	-3.80E-10	-8.70E-10	-8.50E-10	-8.40E-10	-8.40E-10

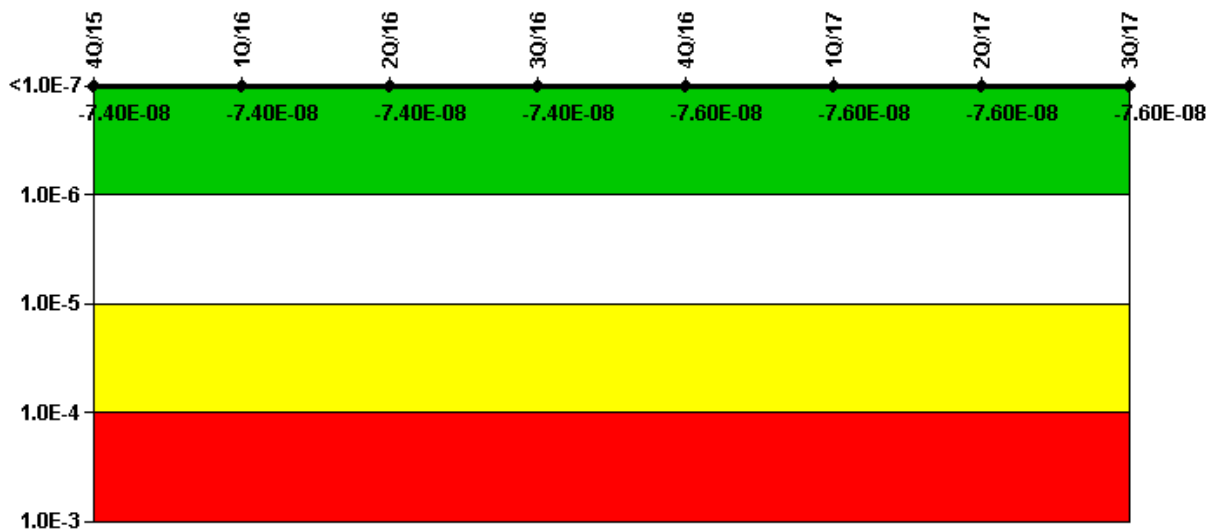
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-1.78E-08	-1.78E-08	-1.78E-08	-1.78E-08	-1.85E-08	-1.85E-08	-1.85E-08	-1.85E-08
URI (ΔCDF)	-5.62E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.79E-08	-5.79E-08	-5.79E-08	-5.79E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.40E-08	-7.40E-08	-7.40E-08	-7.40E-08	-7.60E-08	-7.60E-08	-7.60E-08	-7.60E-08	-7.60E-08

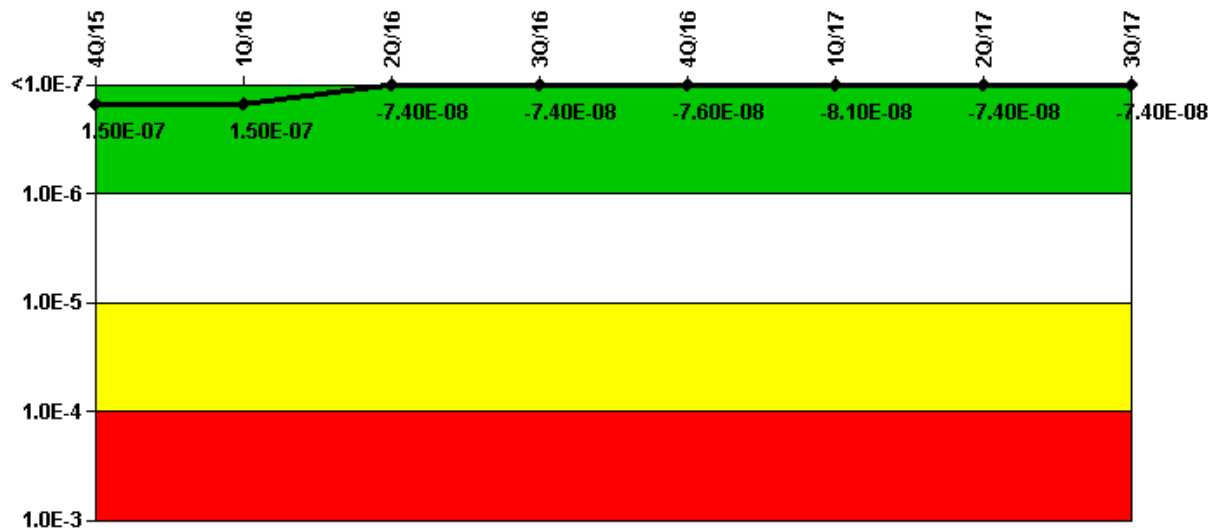
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	3.87E-07	3.86E-07	1.63E-07	1.63E-07	1.01E-07	9.61E-08	1.03E-07	1.03E-07
URI (ΔCDF)	-2.37E-07	-2.37E-07	-2.37E-07	-2.37E-07	-1.77E-07	-1.77E-07	-1.77E-07	-1.77E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-07	1.50E-07	-7.40E-08	-7.40E-08	-7.60E-08	-8.10E-08	-7.40E-08	-7.40E-08

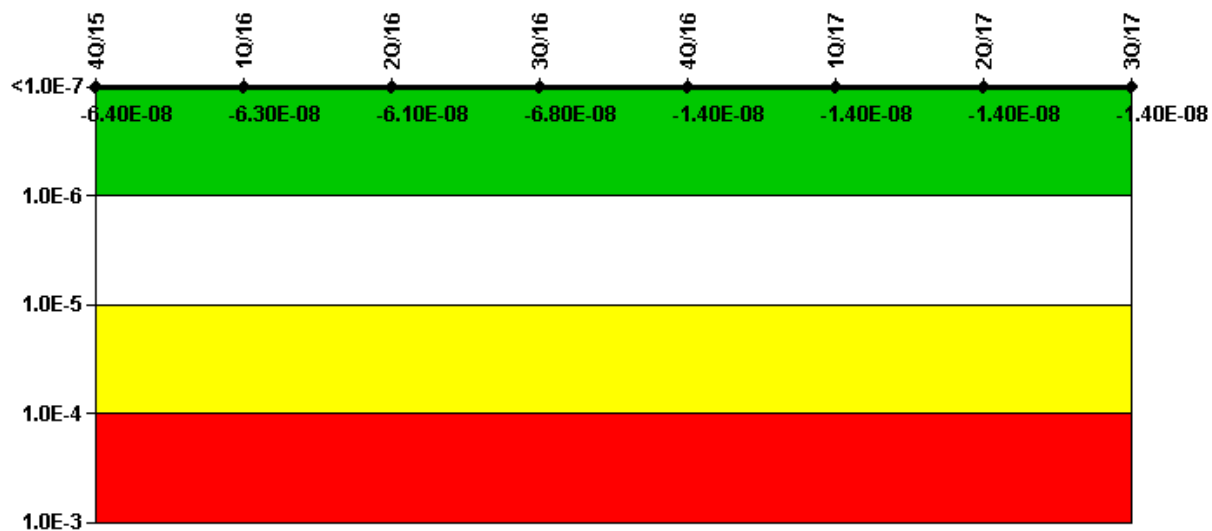
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-4.19E-08	-4.10E-08	-3.93E-08	-4.57E-08	-8.78E-09	-8.76E-09	-8.76E-09	-8.76E-09
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-4.90E-09	-4.90E-09	-4.90E-09	-4.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.40E-08	-6.30E-08	-6.10E-08	-6.80E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08

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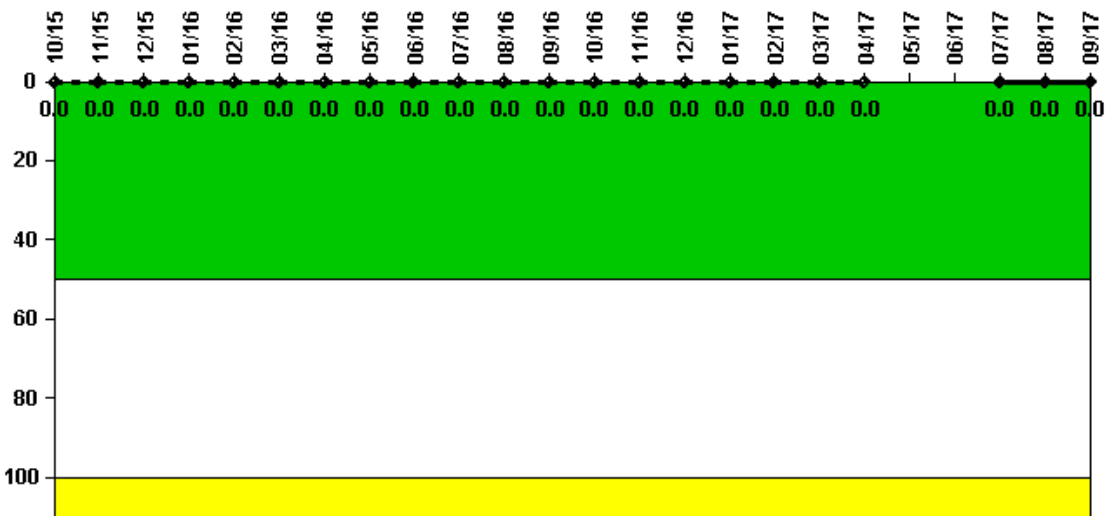
Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all

monitored trains and components were revised.

4Q/15: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03 was approved on 7/30/2015. The Mitigating System Performance Index (MSPI) basis document revision 8 was approved on 1/20/2016 and contains the updated PRA parameters. The DC03 model revision is a periodic update that incorporates new model data for initiating events, equipment failures probabilities, and Human Reliability Analysis (HRA) probabilities. As a result of this update, the Core Damage Frequency, Fussel-Vessely, and basic event probabilities for all monitored trains and components were revised.

Reactor Coolant System Activity



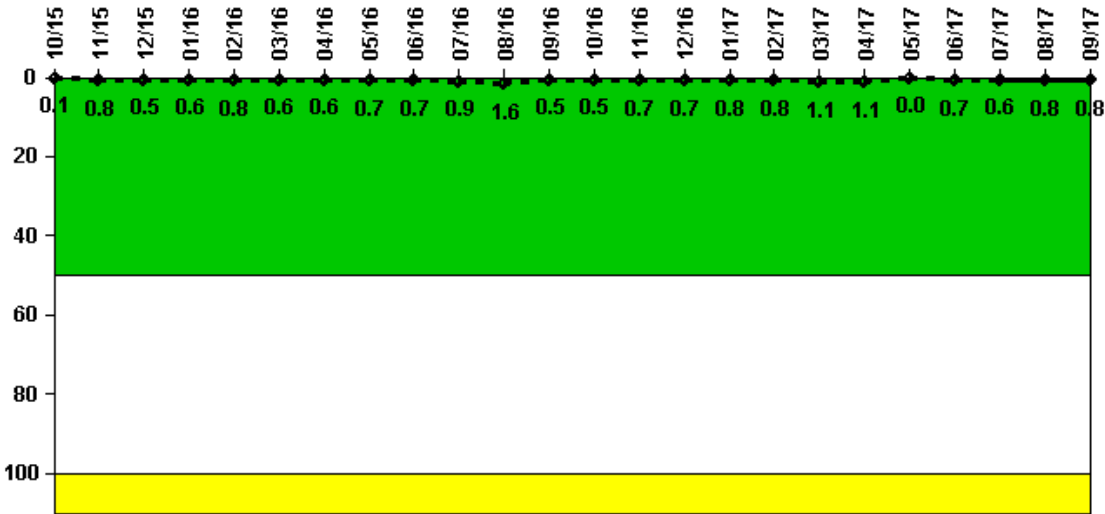
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000065	0.000048	0.000041	0.000044	0.000050	0.000046	0.000062	0.000053	0.000054	0.000057	0.000055	0.000067
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
Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000050	0.000047	0.000053	0.000054	0.000053	0.000056	0.000075	N/A	N/A	0.000044	0.000050	0.000051
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	N/A	N/A	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.005	0.075	0.051	0.061	0.081	0.058	0.059	0.067	0.072	0.086	0.158	0.046
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

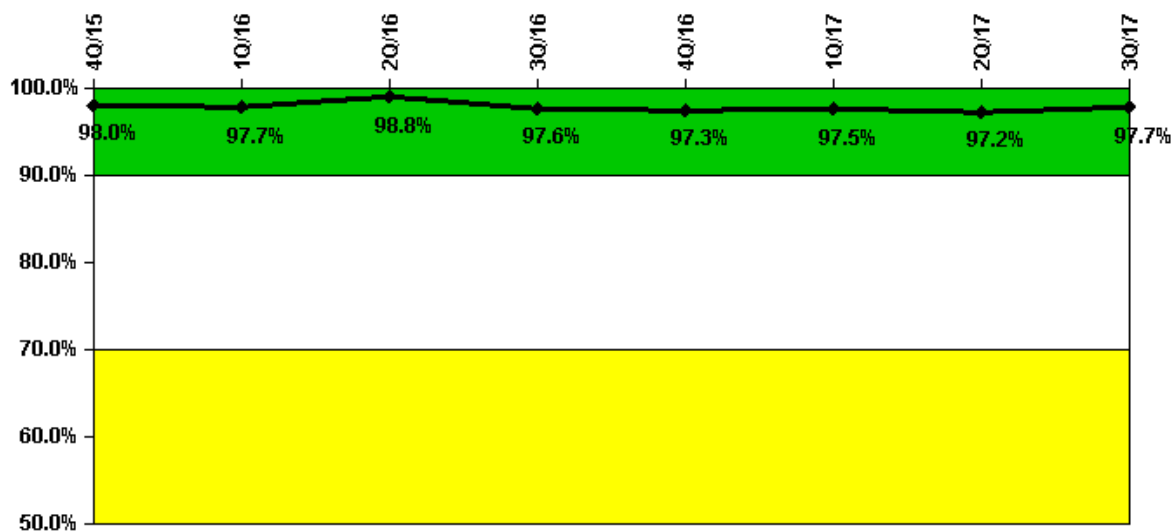
Indicator value	0.1	0.8	0.5	0.6	0.8	0.6	0.6	0.7	0.7	0.9	1.6	0.5
Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	0.053	0.074	0.071	0.078	0.084	0.106	0.105	0	0.069	0.058	0.079	0.077
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	0.5	0.7	0.7	0.8	0.8	1.1	1.1	0	0.7	0.6	0.8	0.8
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Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

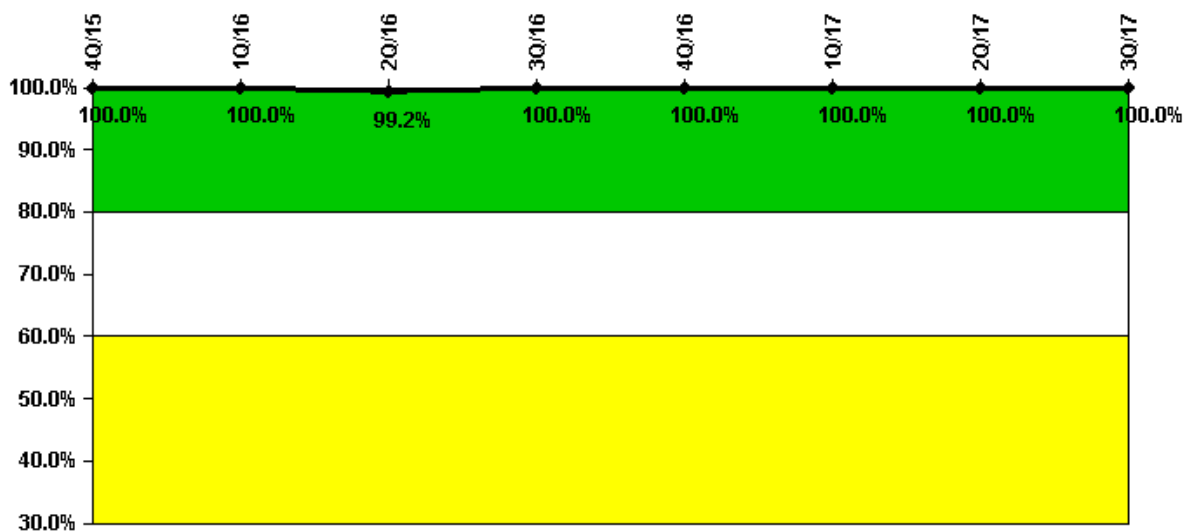
Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	4.0	37.0	48.0	33.0	37.0	44.0	16.0	39.0
Total opportunities	4.0	38.0	48.0	36.0	38.0	44.0	17.0	39.0

Indicator value **98.0% 97.7% 98.8% 97.6% 97.3% 97.5% 97.2% 97.7%**

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Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

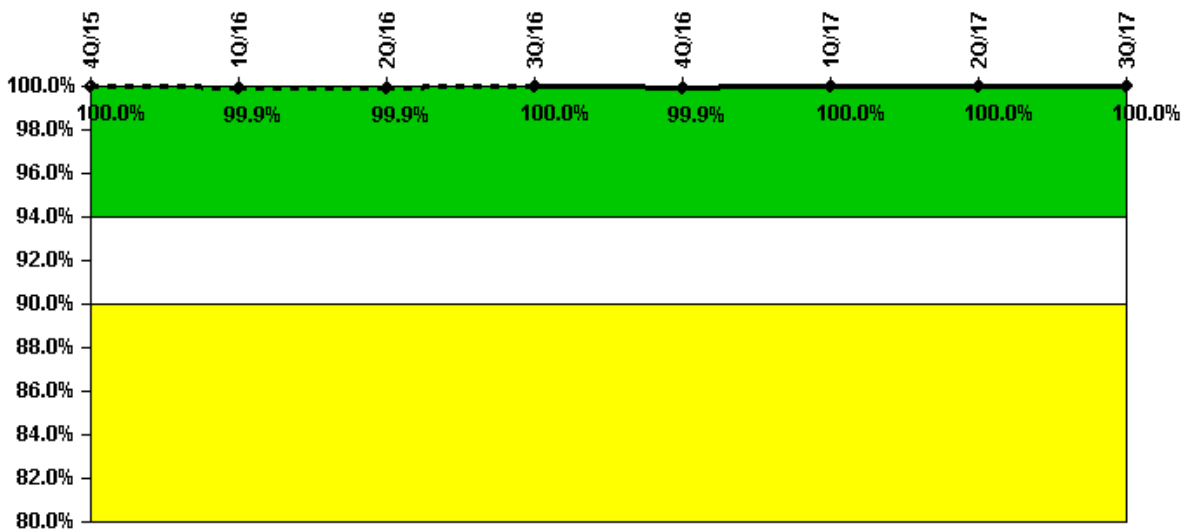
ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	119.0	121.0	122.0	127.0	124.0	132.0	131.0	129.0
Total Key personnel	119.0	121.0	123.0	127.0	124.0	132.0	131.0	129.0

Indicator value **100.0% 100.0% 99.2% 100.0% 100.0% 100.0% 100.0% 100.0%**

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Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

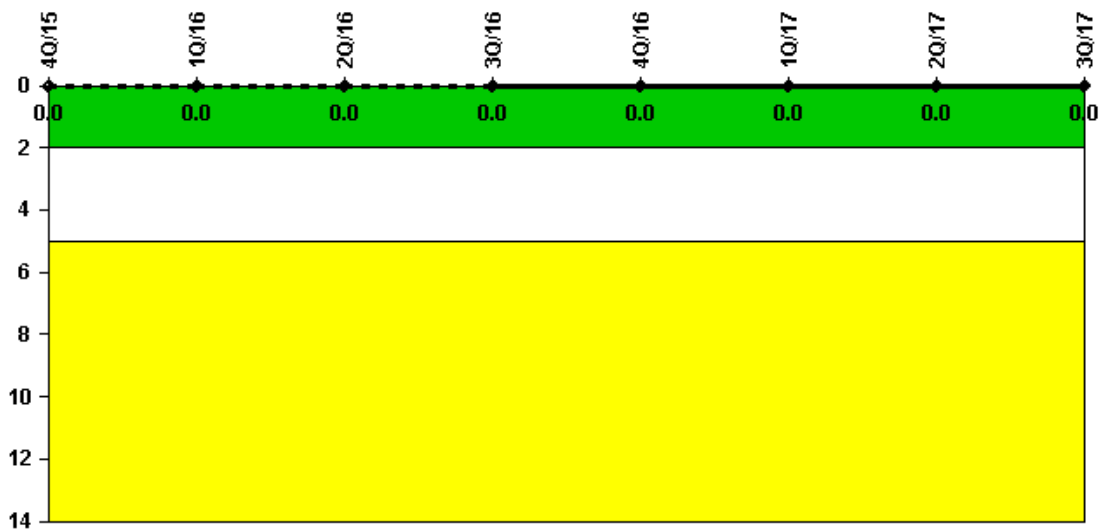
Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	1048	916	1047	1179	1047	917	1048	1179
Total sirens-tests	1048	917	1048	1179	1048	917	1048	1179

Indicator value **100.0% 99.9% 99.9% 100.0% 99.9% 100.0% 100.0% 100.0%**

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Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

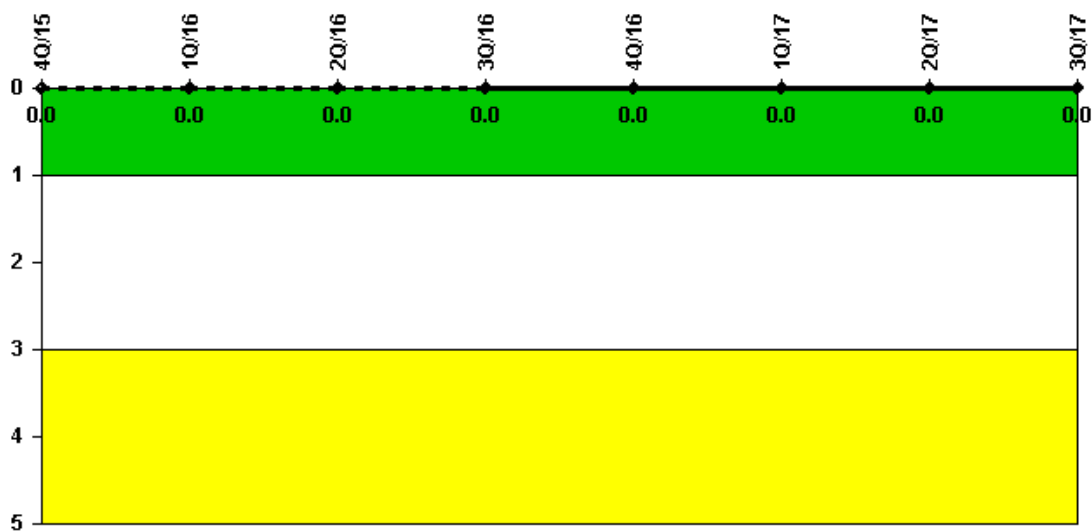
Occupational Exposure Control Effectiveness 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

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

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Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

RETS/ODCM occurrences 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

[▲ TOP](#)

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.

Current data as of: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Diablo Canyon 1 > Quarterly Performance Indicators

Diablo Canyon 1 – Quarterly Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

4Q/2017 Performance Indicators

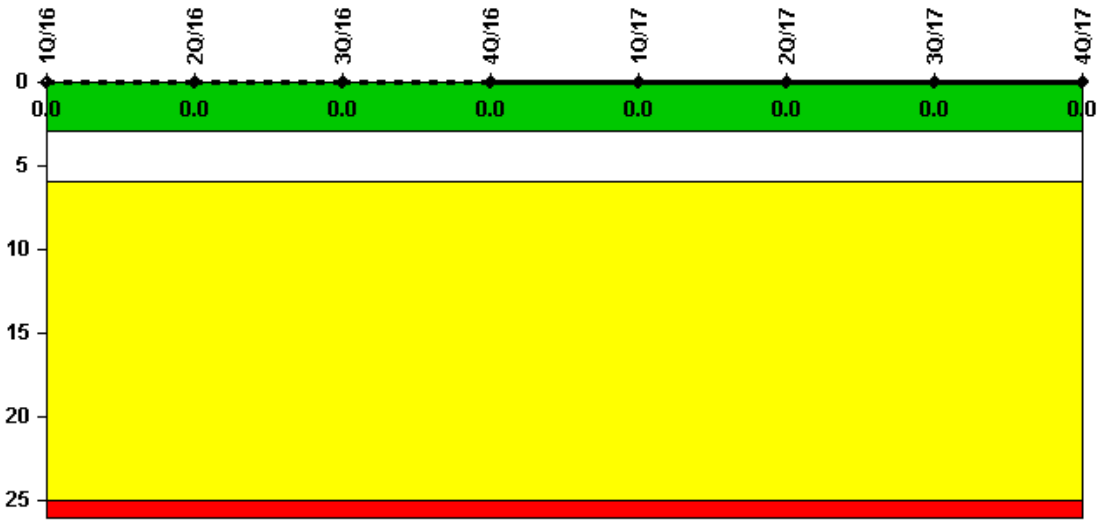
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

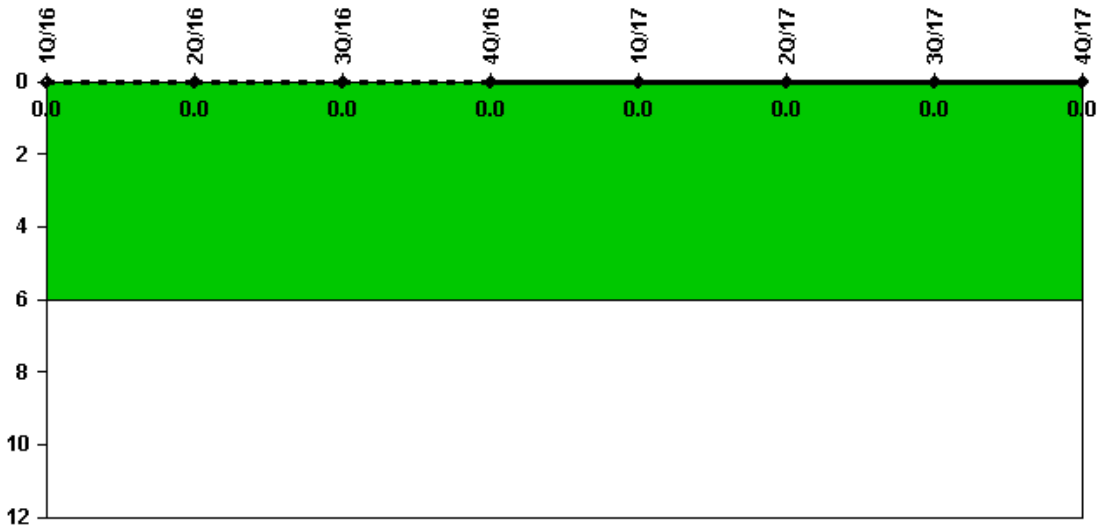
Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	776.9	2208.0	2209.0

Indicator value	0	0	0	0	0	0	0	0
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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

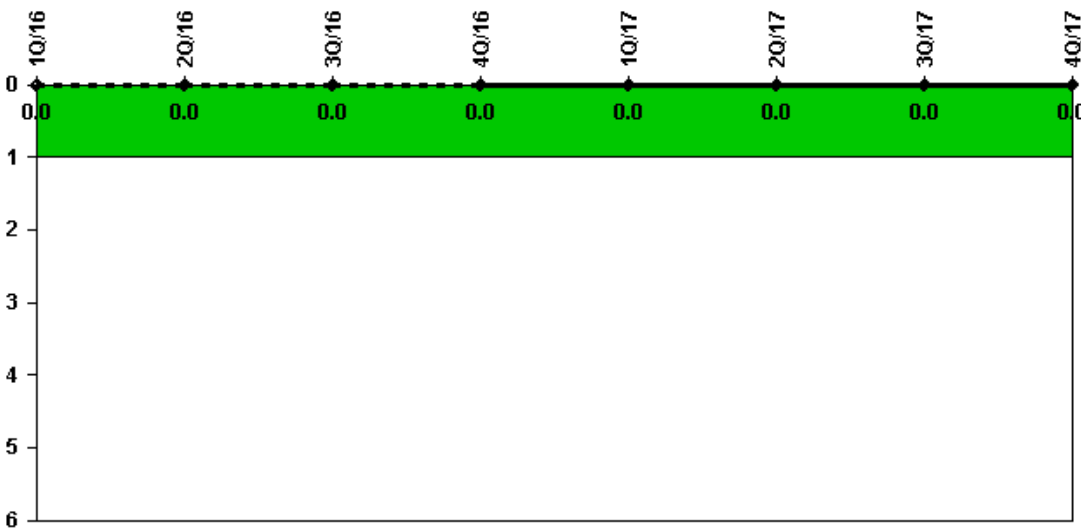
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	776.9	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

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Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

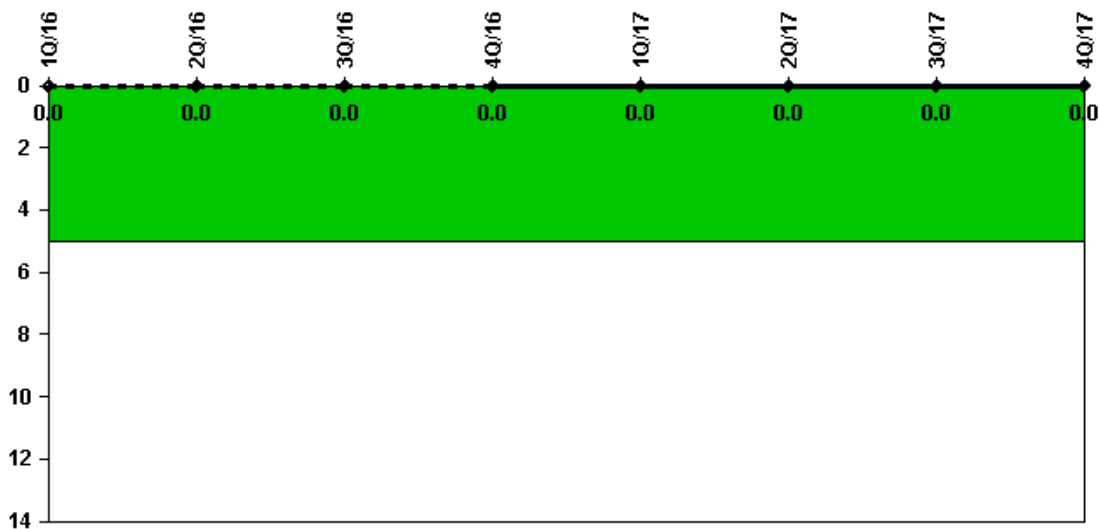
Notes

Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
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

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Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

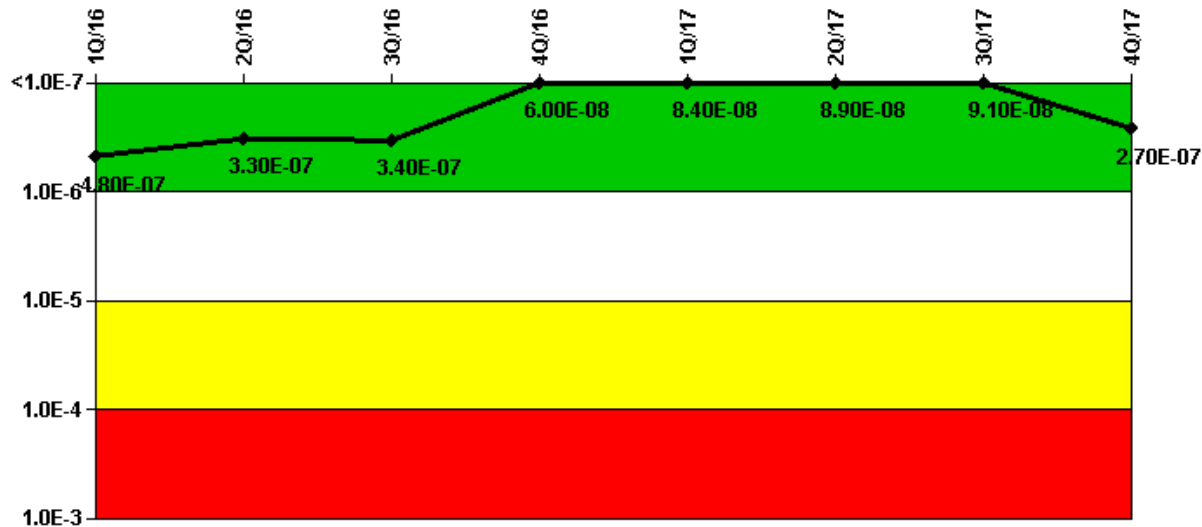
Safety System Functional Failures 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

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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

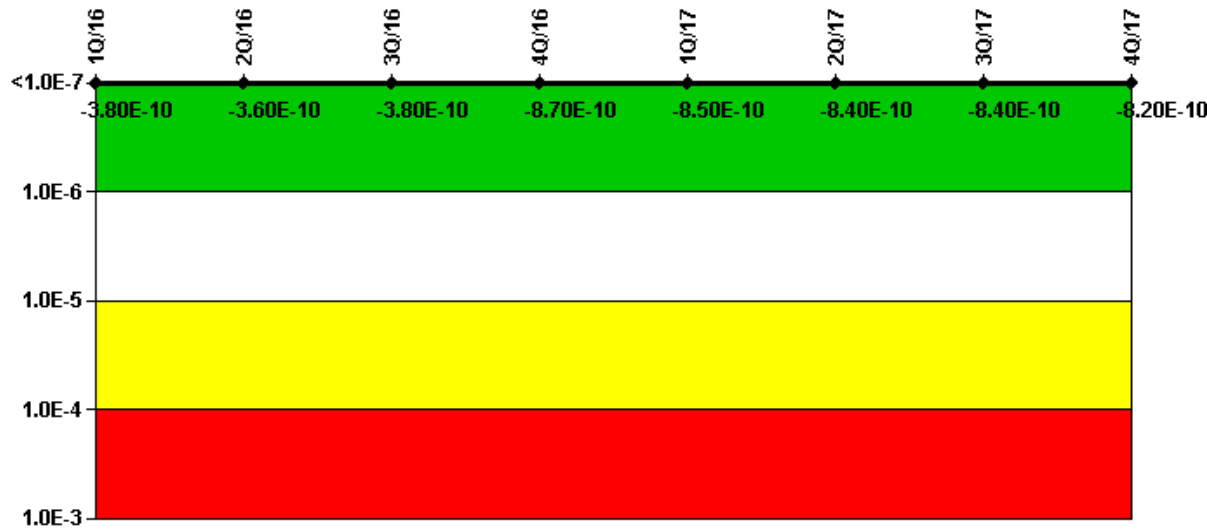
	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	6.00E-08	4.10E-08	4.91E-08	3.34E-09	2.80E-08	3.27E-08	3.46E-08	4.00E-08
URI (ΔCDF)	4.22E-07	2.84E-07	2.91E-07	5.64E-08	5.64E-08	5.64E-08	5.64E-08	2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.80E-07	3.30E-07	3.40E-07	6.00E-08	8.40E-08	8.90E-08	9.10E-08	2.70E-07

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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.19E-10	-1.01E-10	-1.21E-10	-1.13E-10	-8.93E-11	-8.15E-11	-8.15E-11	-6.46E-11
URI (ΔCDF)	-2.60E-10	-2.60E-10	-2.60E-10	-7.59E-10	-7.59E-10	-7.59E-10	-7.59E-10	-7.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO

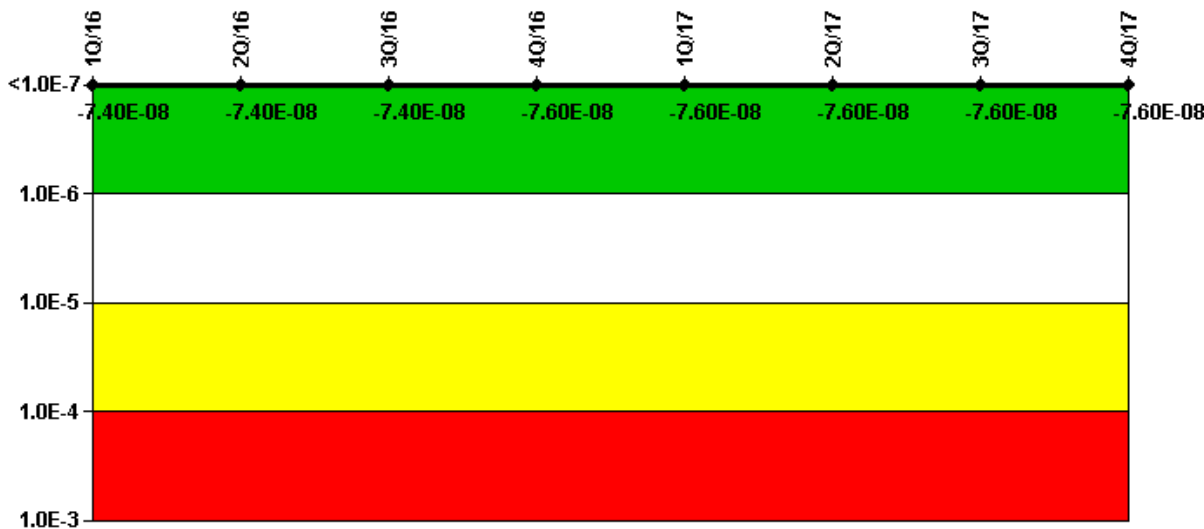
Indicator value	-3.80E-10	-3.60E-10	-3.80E-10	-8.70E-10	-8.50E-10	-8.40E-10	-8.40E-10	-8.20E-10
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.78E-08	-1.78E-08	-1.78E-08	-1.85E-08	-1.85E-08	-1.85E-08	-1.85E-08	-1.85E-08
URI (ΔCDF)	-5.62E-08	-5.62E-08	-5.62E-08	-5.79E-08	-5.79E-08	-5.79E-08	-5.79E-08	-5.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.40E-08	-7.40E-08	-7.40E-08	-7.60E-08	-7.60E-08	-7.60E-08	-7.60E-08	-7.60E-08

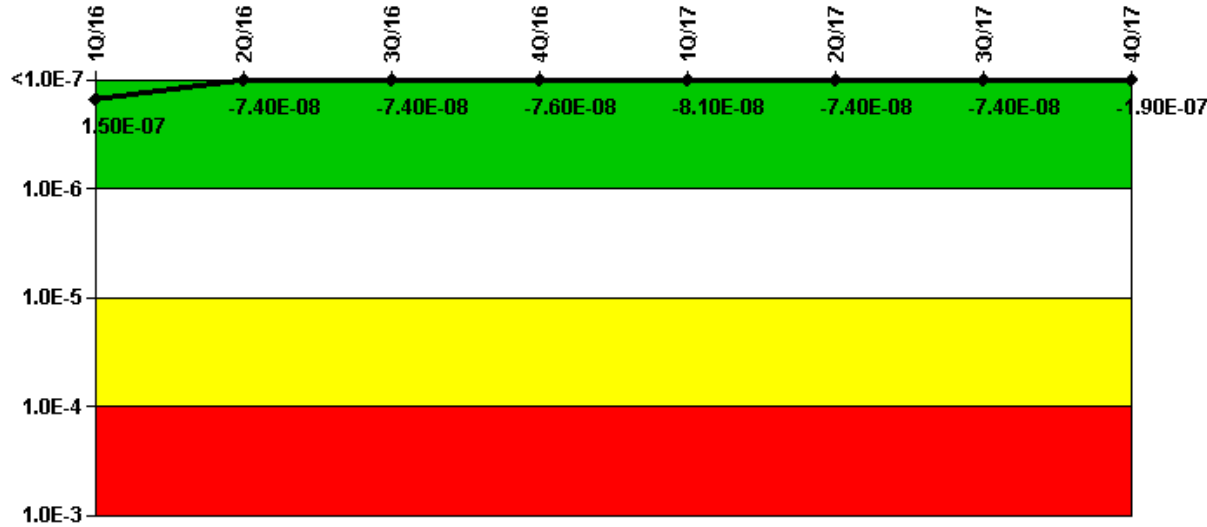
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Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown

seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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

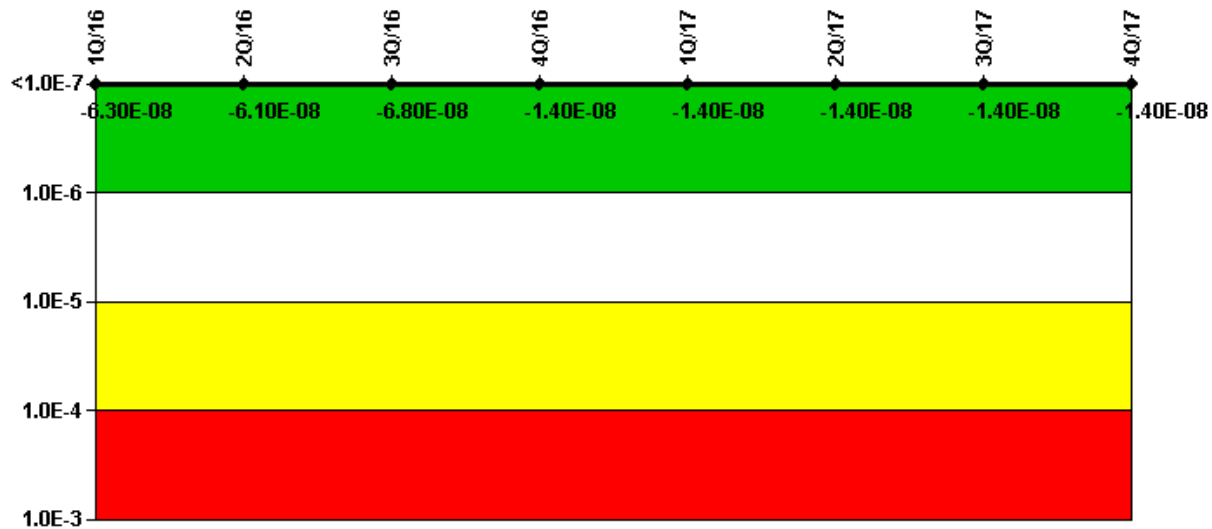
	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	3.86E-07	1.63E-07	1.63E-07	1.01E-07	9.61E-08	1.03E-07	1.03E-07	-1.53E-08
URI (ΔCDF)	-2.37E-07	-2.37E-07	-2.37E-07	-1.77E-07	-1.77E-07	-1.77E-07	-1.77E-07	-1.77E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-07	-7.40E-08	-7.40E-08	-7.60E-08	-8.10E-08	-7.40E-08	-7.40E-08	-1.90E-07

▲ TOP

Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

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

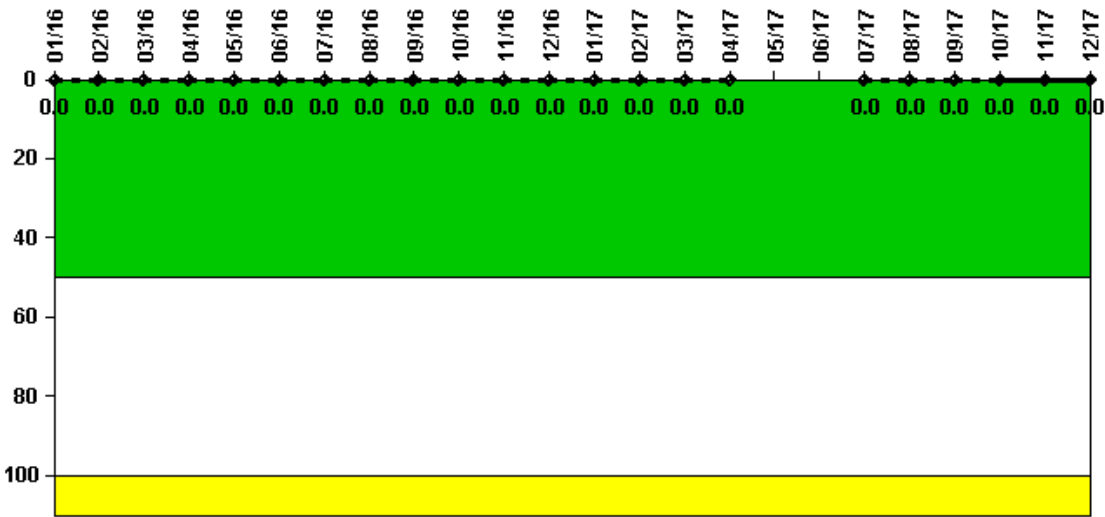
	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-4.10E-08	-3.93E-08	-4.57E-08	-8.78E-09	-8.76E-09	-8.76E-09	-8.76E-09	-8.76E-09
URI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	-4.90E-09	-4.90E-09	-4.90E-09	-4.90E-09	-4.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.30E-08	-6.10E-08	-6.80E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08

▲ TOP

Licensee Comments:

4Q/16: Changed PRA Parameter(s). Diablo Canyon Probabilistic Risk Assessment (PRA) model revision DC03A was approved on 9/30/2016. The Mitigating System Performance Index (MSPI) basis document revision 10 was approved on 10/6/2016 and contains the updated PRA parameters. The DC03A model revision is an update that incorporates the new Reactor Coolant Pump (RCP) shutdown seals and other minor system updates. As a result of this update, the Core Damage Frequency and Fussel-Vessely importance for all monitored trains and components were revised.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

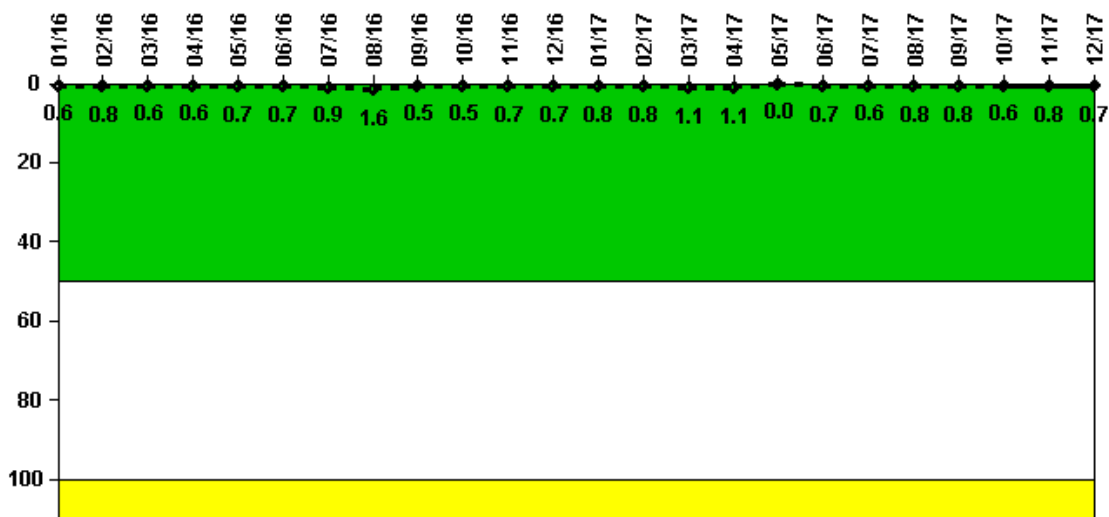
Notes

Reactor Coolant System Activity	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum activity	0.000044	0.000050	0.000046	0.000062	0.000053	0.000054	0.000057	0.000055	0.000067	0.000050	0.000047	0.000053
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
Reactor Coolant System Activity	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000054	0.000053	0.000056	0.000075	N/A	N/A	0.000044	0.000050	0.000051	0.000058	0.000059	0.000063
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	N/A	N/A	0	0	0	0	0	0

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Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

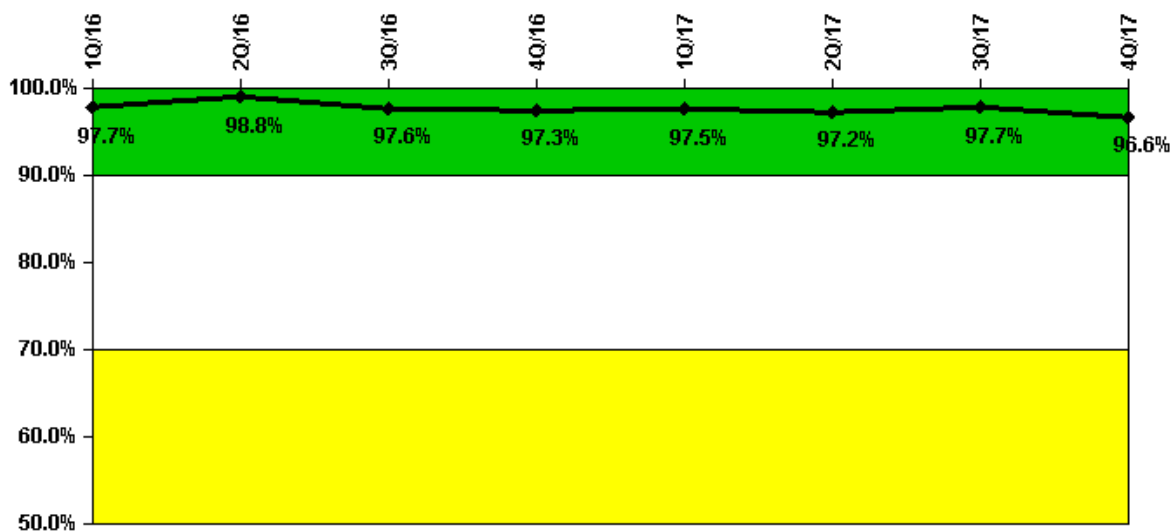
Notes

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.061	0.081	0.058	0.059	0.067	0.072	0.086	0.158	0.046	0.053	0.074	0.071
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	0.6	0.8	0.6	0.6	0.7	0.7	0.9	1.6	0.5	0.5	0.7	0.7
Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	0.078	0.084	0.106	0.105	0	0.069	0.058	0.079	0.077	0.059	0.079	0.070
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	0.8	1.1	1.1	0	0.7	0.6	0.8	0.8	0.6	0.8	0.7

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Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

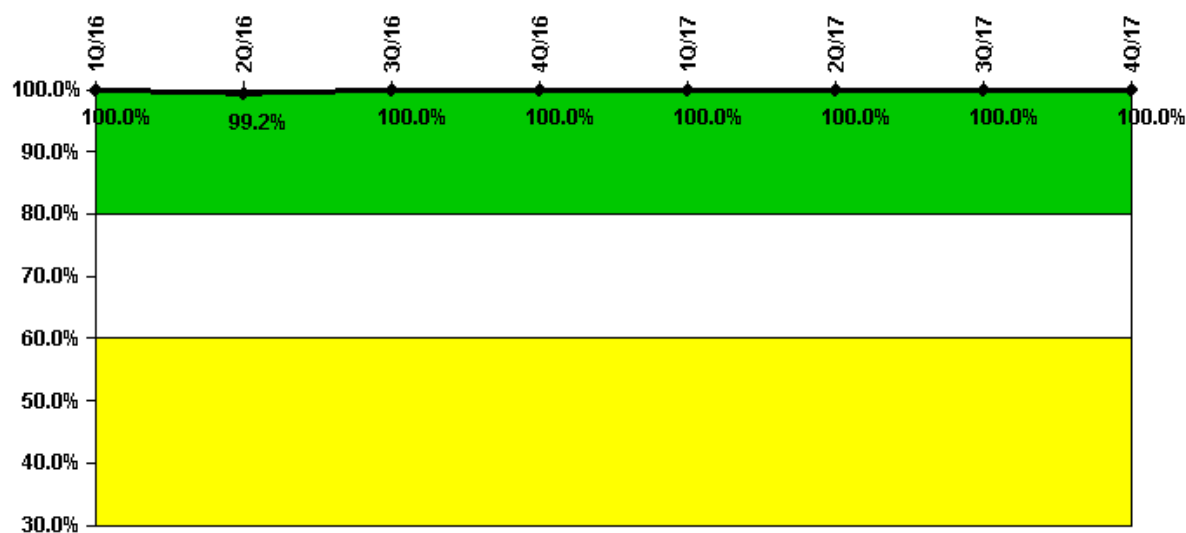
Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	37.0	48.0	33.0	37.0	44.0	16.0	39.0	34.0
Total opportunities	38.0	48.0	36.0	38.0	44.0	17.0	39.0	38.0

Indicator value 97.7% 98.8% 97.6% 97.3% 97.5% 97.2% 97.7% 96.6%

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Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

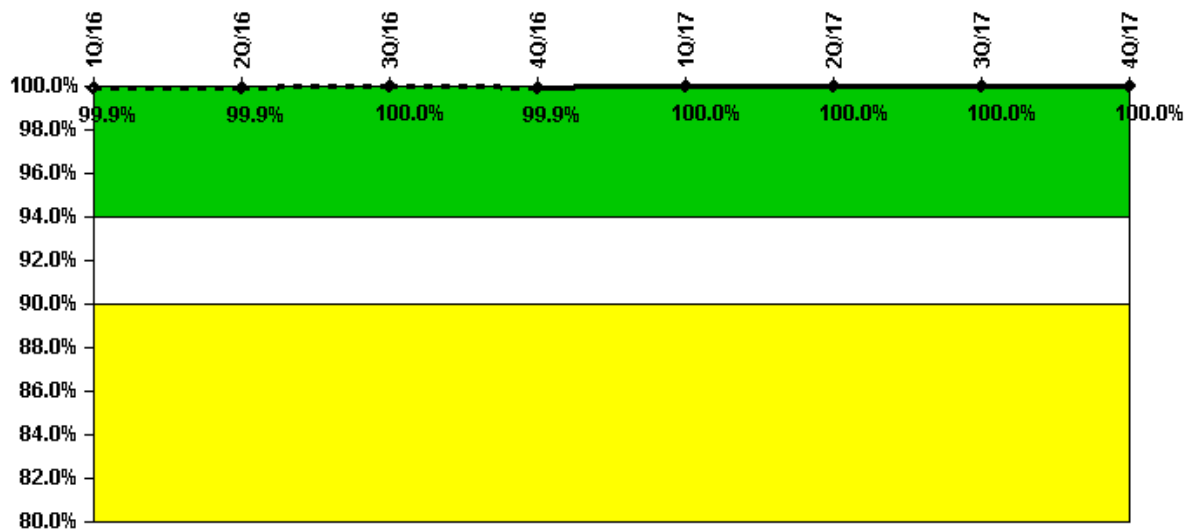
ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	121.0	122.0	127.0	124.0	132.0	131.0	129.0	128.0
Total Key personnel	121.0	123.0	127.0	124.0	132.0	131.0	129.0	128.0

Indicator value **100.0% 99.2% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%**

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Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

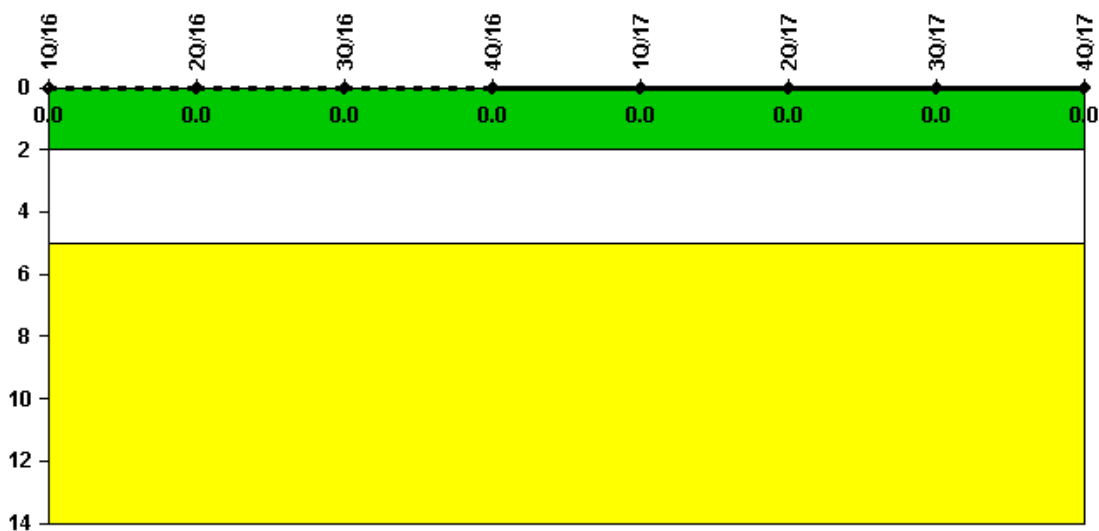
Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	916	1047	1179	1047	917	1048	1179	1048
Total sirens-tests	917	1048	1179	1048	917	1048	1179	1048

Indicator value **99.9%** **99.9%** **100.0%** **99.9%** **100.0%** **100.0%** **100.0%** **100.0%**

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Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

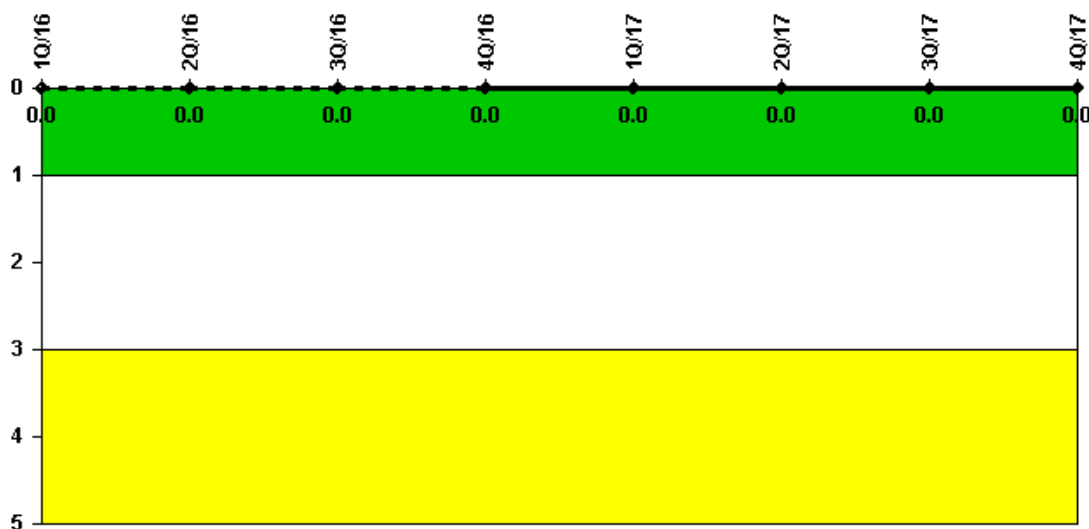
Occupational Exposure Control Effectiveness 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

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

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

RETS/ODCM occurrences 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

▲ TOP

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.

Current data as of: February 1, 2018

Page Last Reviewed/Updated Monday, November 06, 2017