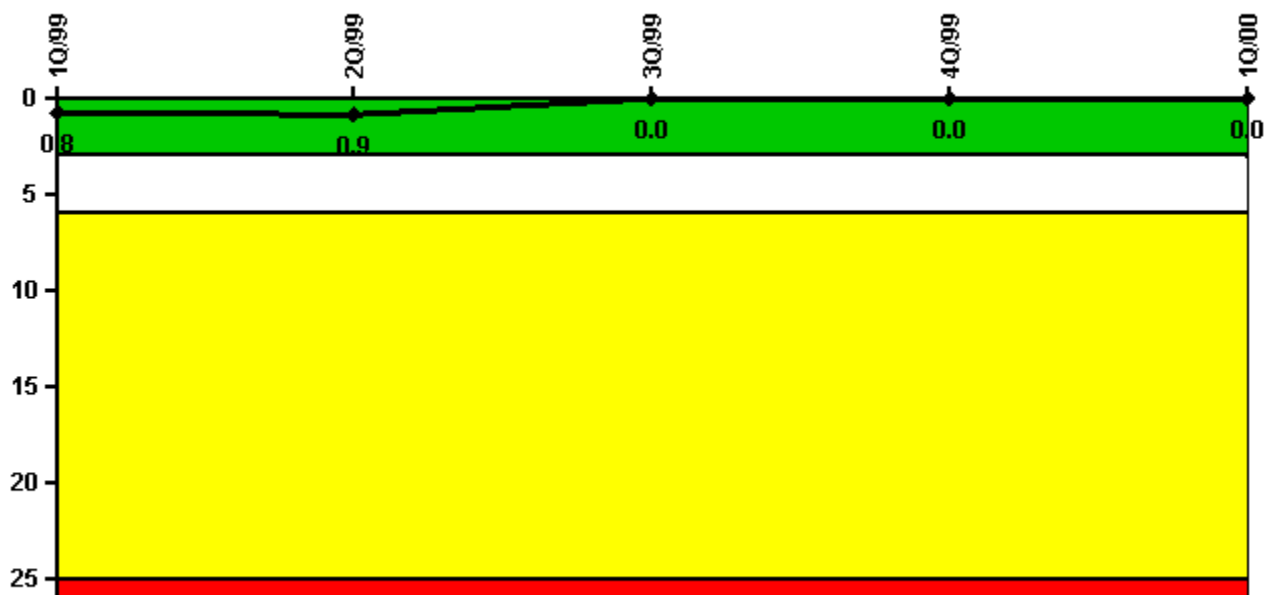


Perry 1

1Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



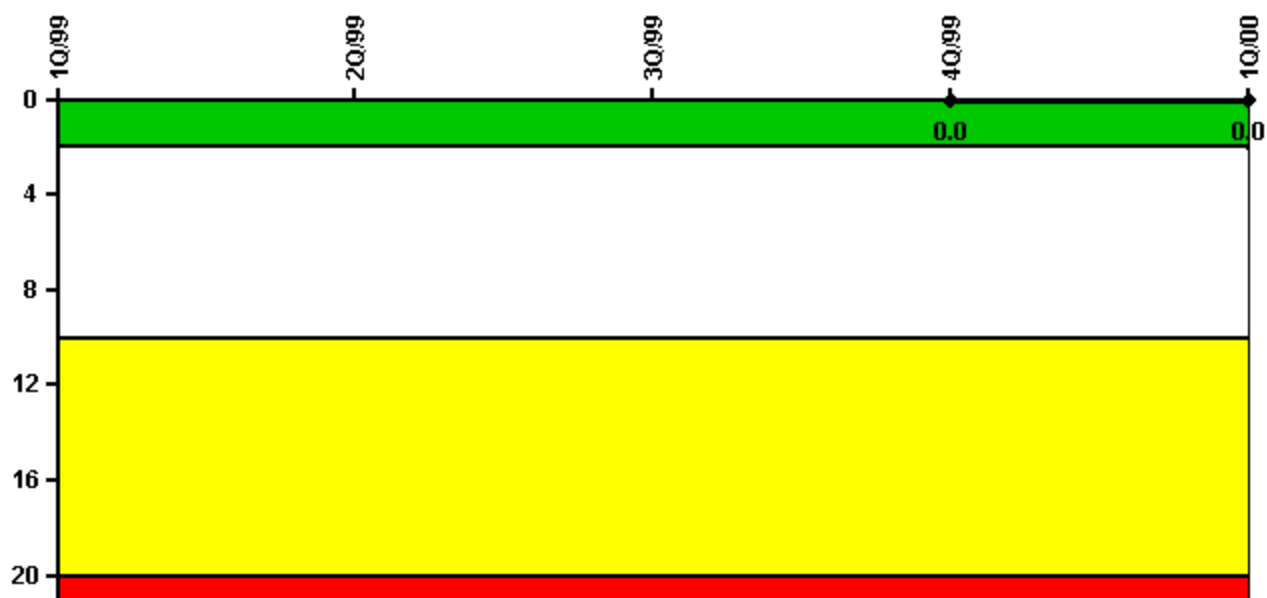
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2041.1	1419.0	2208.0	2209.0	2184.0
Indicator value	0.8	0.9	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



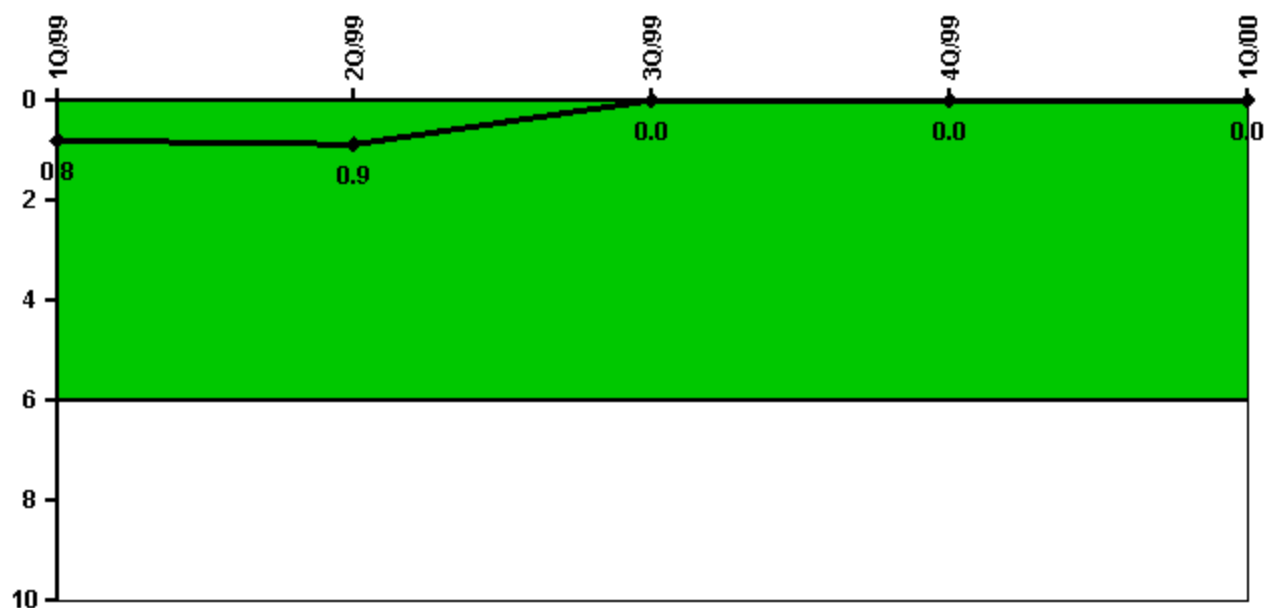
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



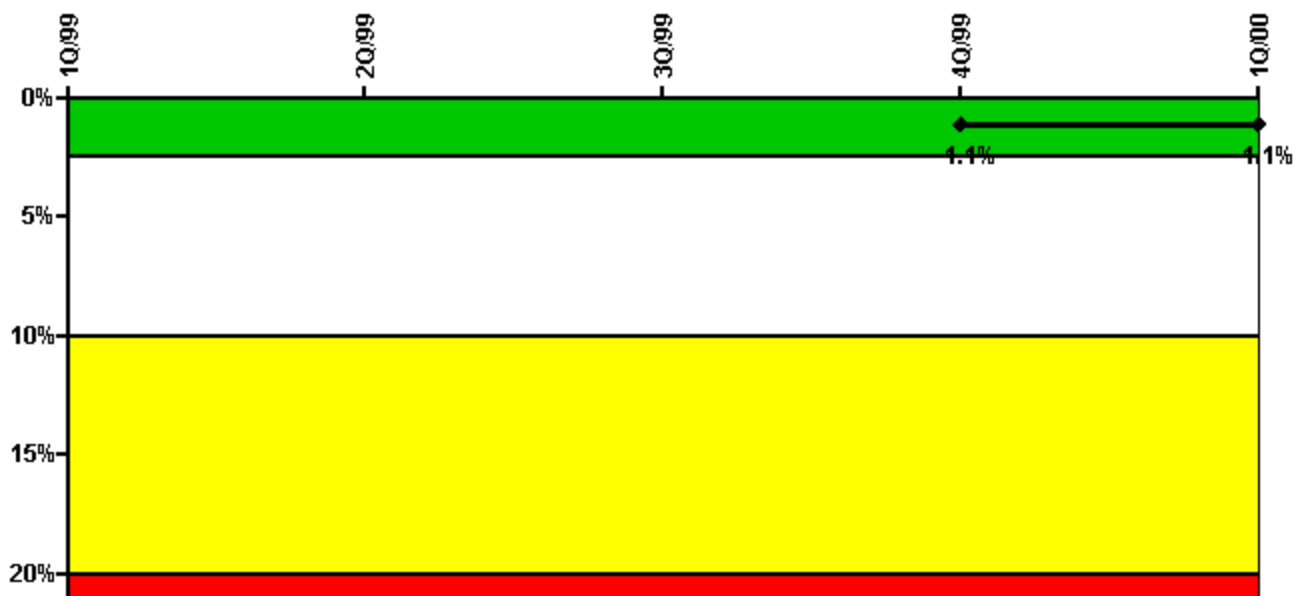
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2041.1	1419.0	2208.0	2209.0	2184.0
Indicator value	0.8	0.9	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



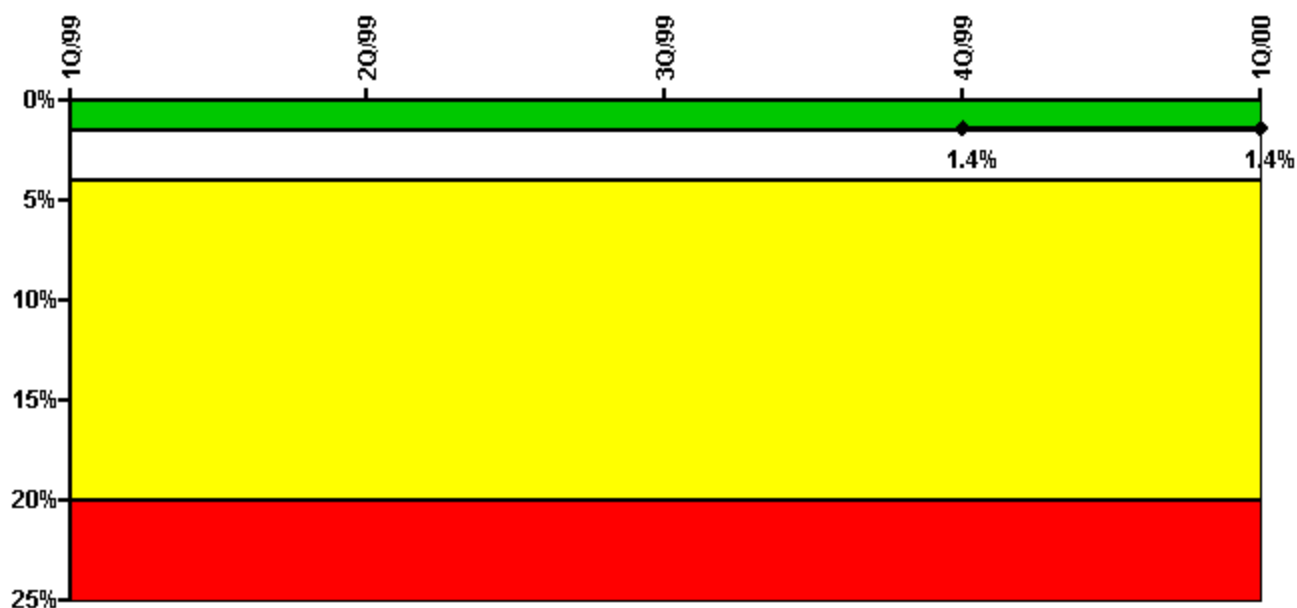
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	12.60	0	23.80	112.30	17.60
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	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	0	12.58	0	59.30	13.46
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	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	0	28.90	0	0	1.98
Unplanned unavailable hours	0	0	0	0	11.63
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				1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

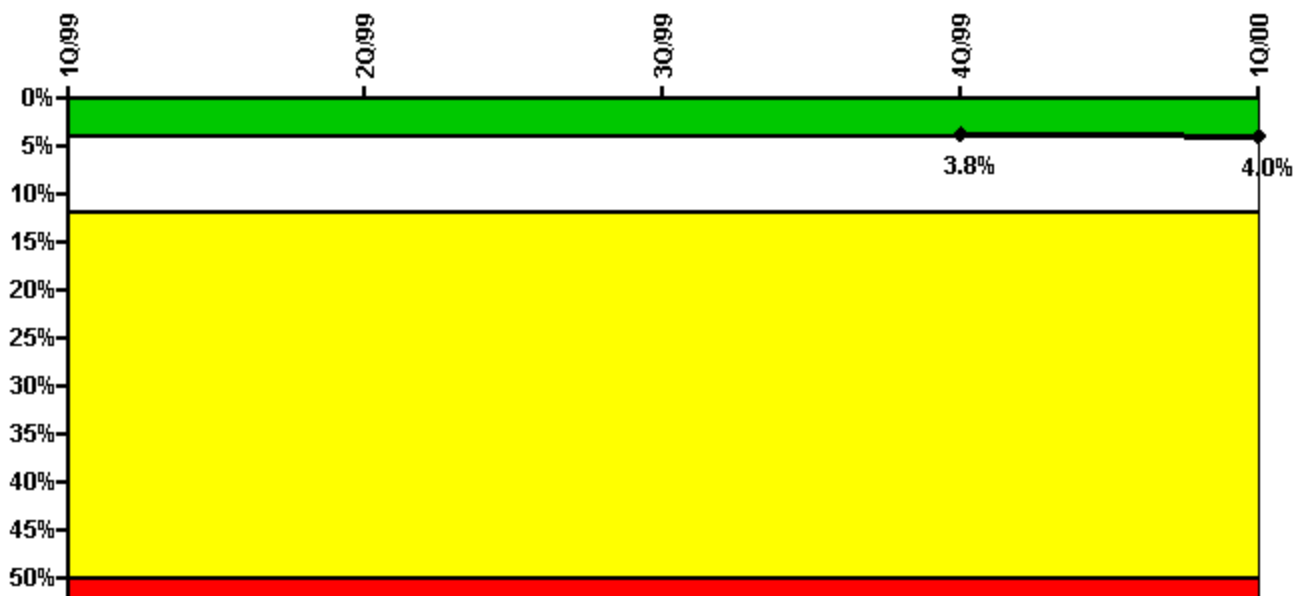
Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	37.90	35.20	0	0	1.18
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	2041.10	1419.20	2208.00	2209.00	2184.00
Indicator value				1.4%	1.4%

Licensee Comments:

2Q/99: Corrected hours train required due to addition error, hours increased by 0.2 hour.

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	239.70	8.60	76.20	0	72.33
Unplanned unavailable hours	24.40	0	0	0	7.80
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.10	1419.20	2208.00	2209.00	2184.00
Indicator value				3.8%	4.0%

Licensee Comments:

2Q/99: Corrected hours required due to addition error, hours required increased by 0.2 hour.

Safety System Unavailability, Residual Heat Removal System



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

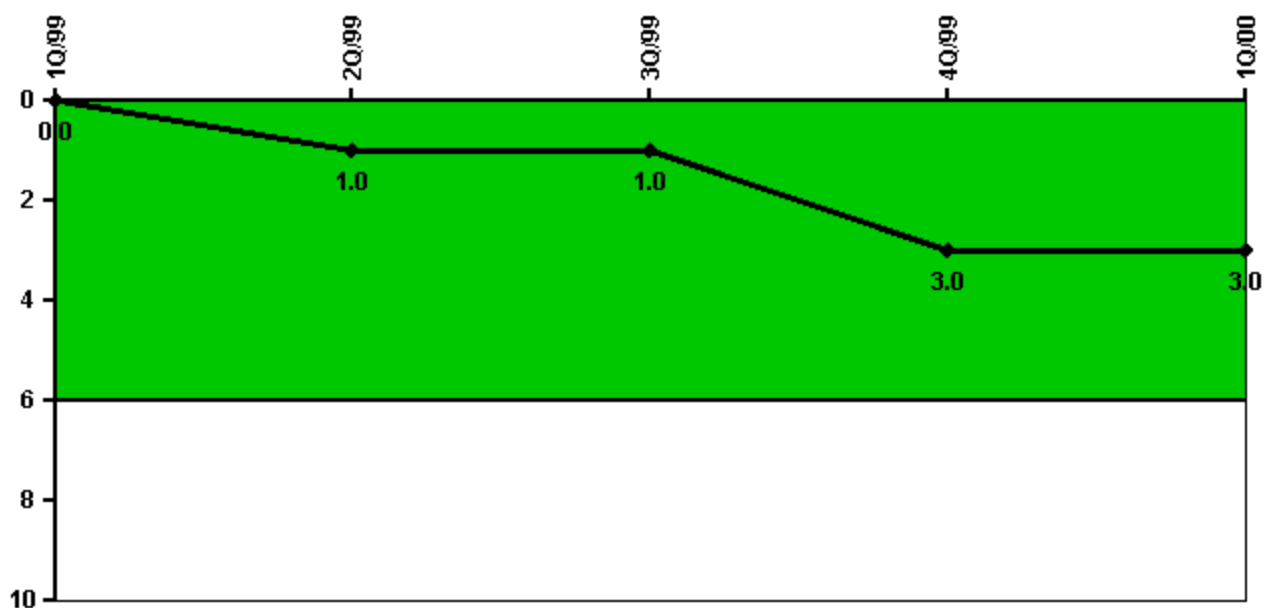
Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	15.10	0	129.40	0	3.07
Unplanned unavailable hours	4.50	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 2					
Planned unavailable hours	11.00	0	0	136.00	14.70
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	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value				1.5%	1.4%

Licensee Comments:

1Q/00:

Safety System Functional Failures (BWR)



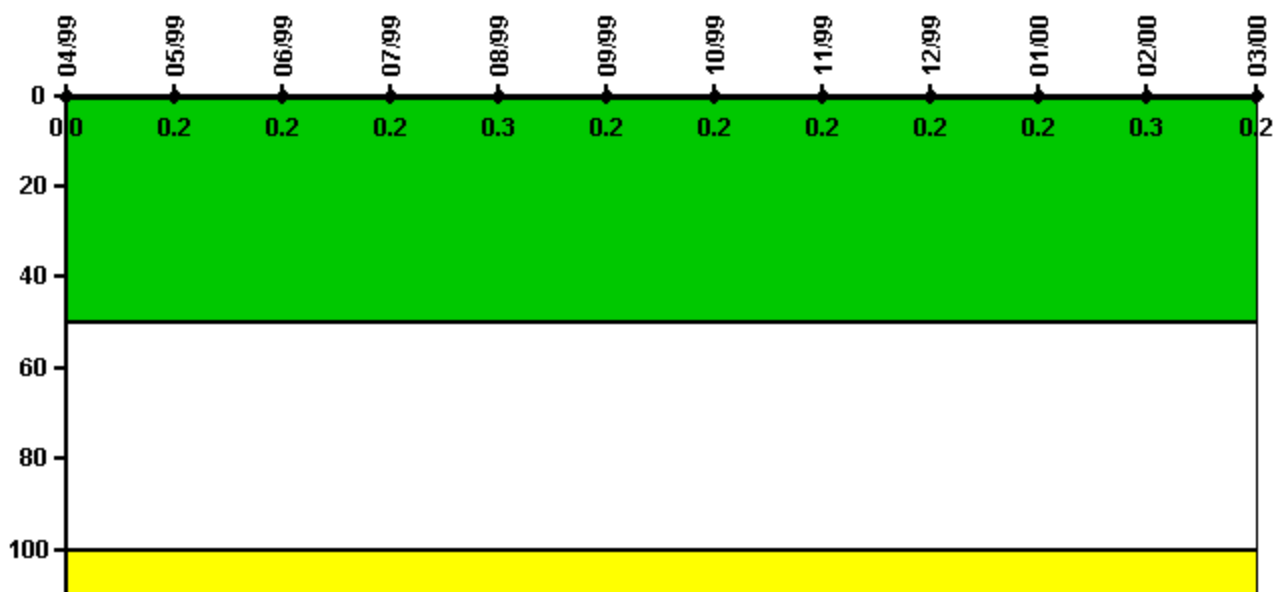
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



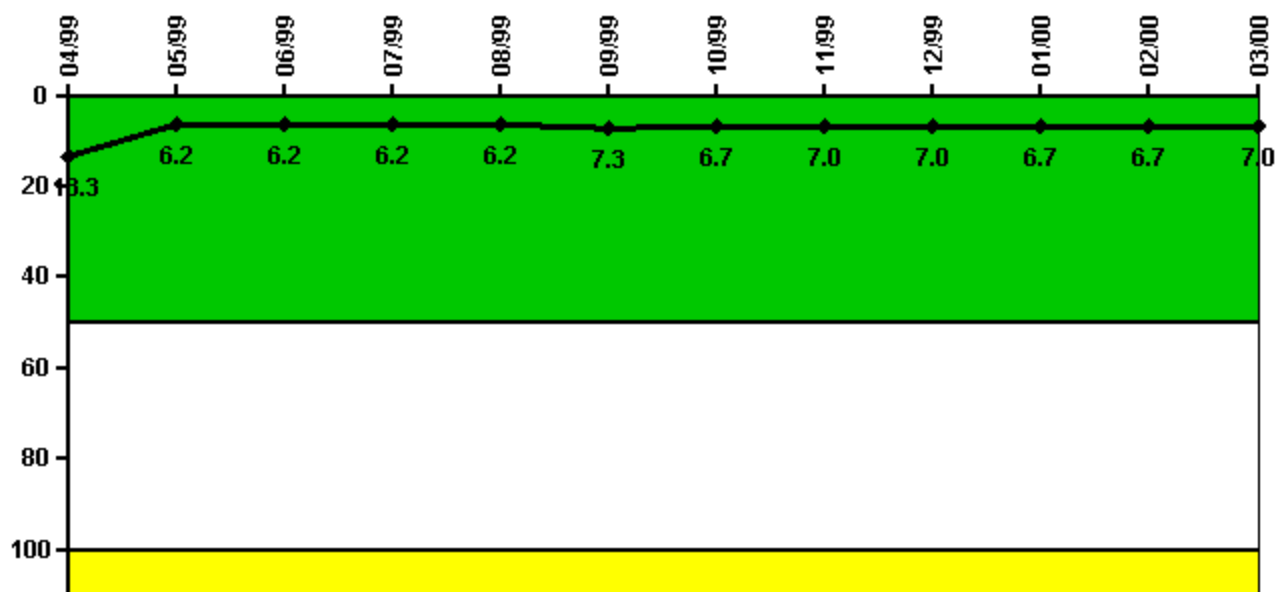
Thresholds: White > 50.0 Yellow > 100.0

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	0.000058	0.000306	0.000376	0.000412	0.000530	0.000380	0.000354	0.000338	0.000349	0.000380	0.000613	0.000389
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2

Licensee Comments: none

Reactor Coolant System Leakage



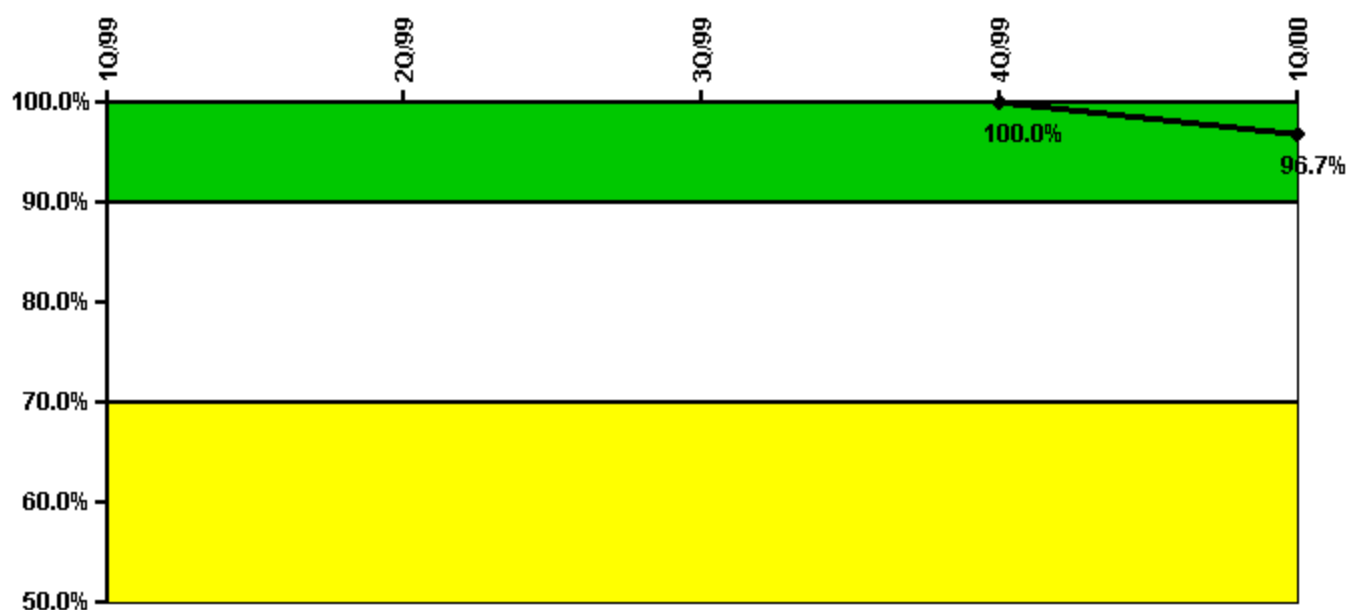
Thresholds: White > 50.0 Yellow > 100.0

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	4.000	1.850	1.850	1.850	1.850	2.200	2.000	2.100	2.100	2.000	2.000	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	13.3	6.2	6.2	6.2	6.2	7.3	6.7	7.0	7.0	6.7	6.7	7.0

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

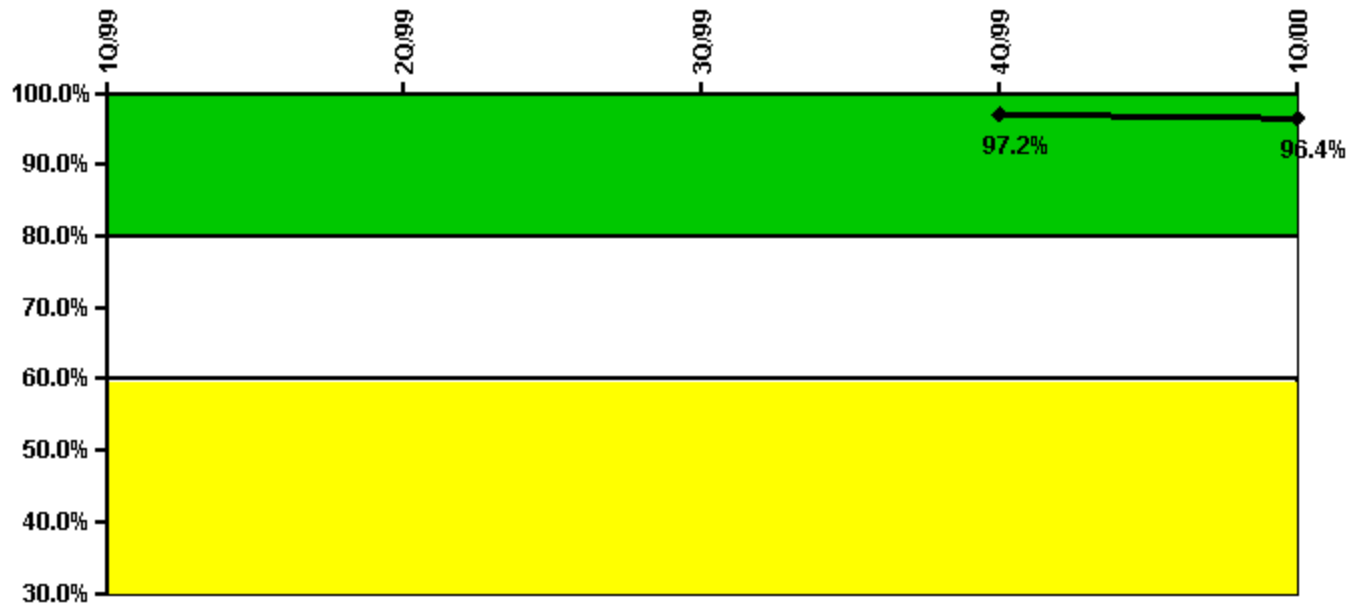
Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	0	0	21.0	15.0	23.0
Total opportunities	0	0	21.0	15.0	25.0
Indicator value				100.0%	96.7%

Licensee Comments:

1Q/00: Data changed to reflect removal of opportunities from Q1/2000 data that were actually part of Q2/2000 data. This change has no effect on the performance indicator color.

ERO Drill Participation



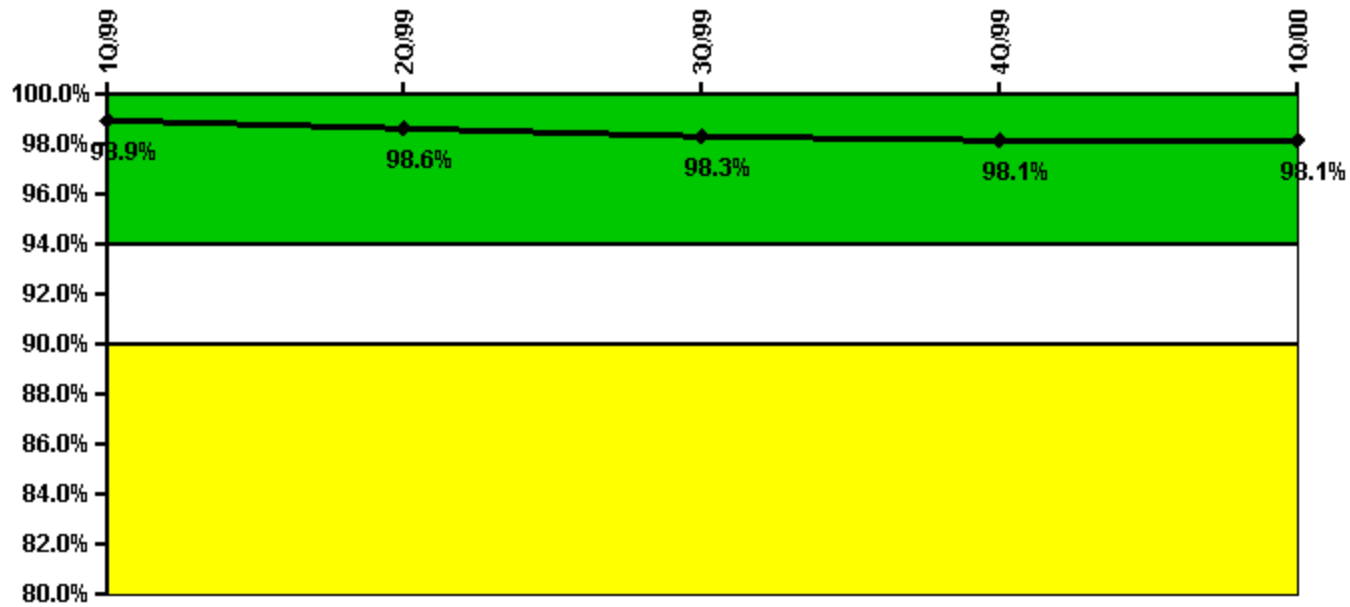
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				105.0	106.0
Total Key personnel				108.0	110.0
Indicator value				97.2%	96.4%

Licensee Comments: none

Alert & Notification System



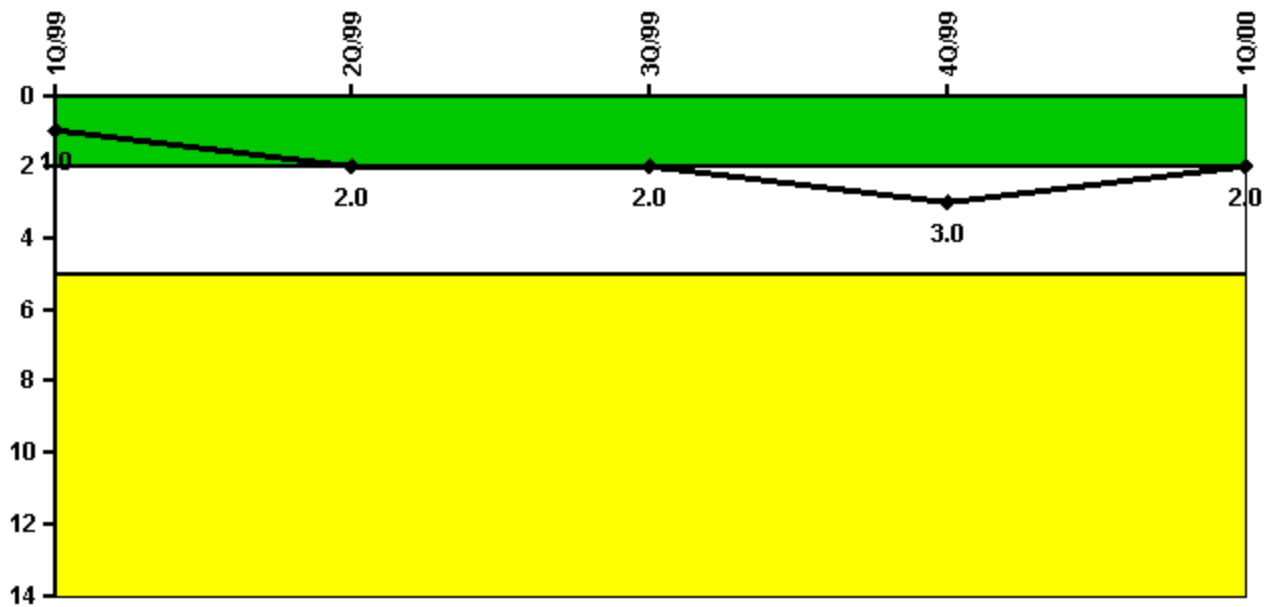
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	525	522	520	520	525
Total sirens-tests	532	532	532	532	532
Indicator value	98.9%	98.6%	98.3%	98.1%	98.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness

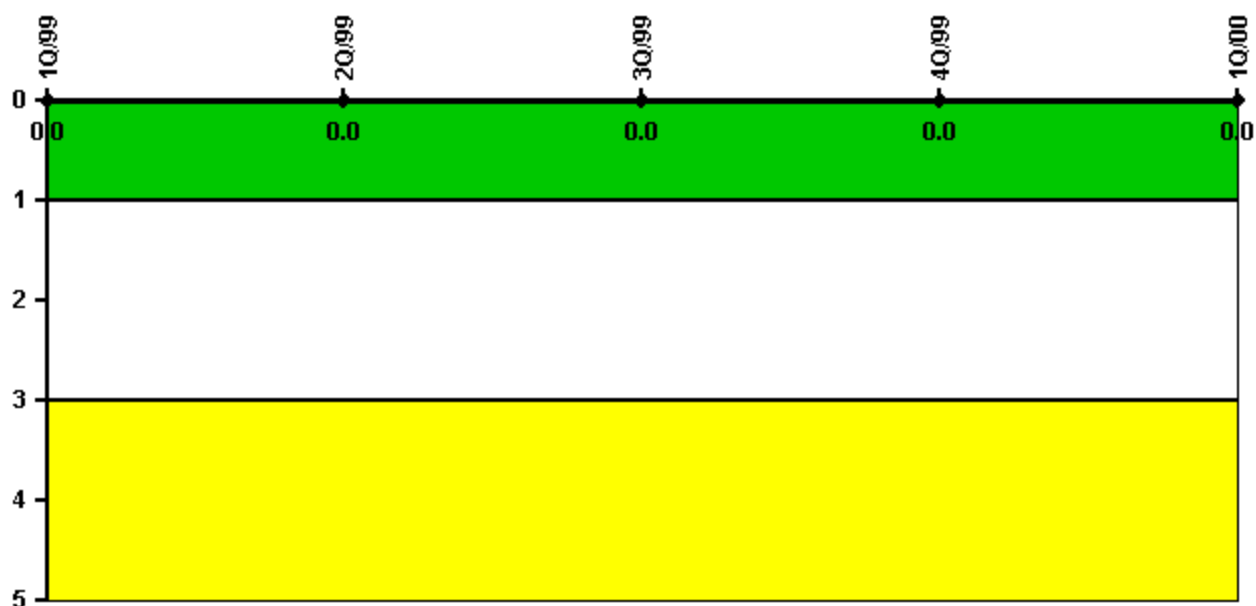


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

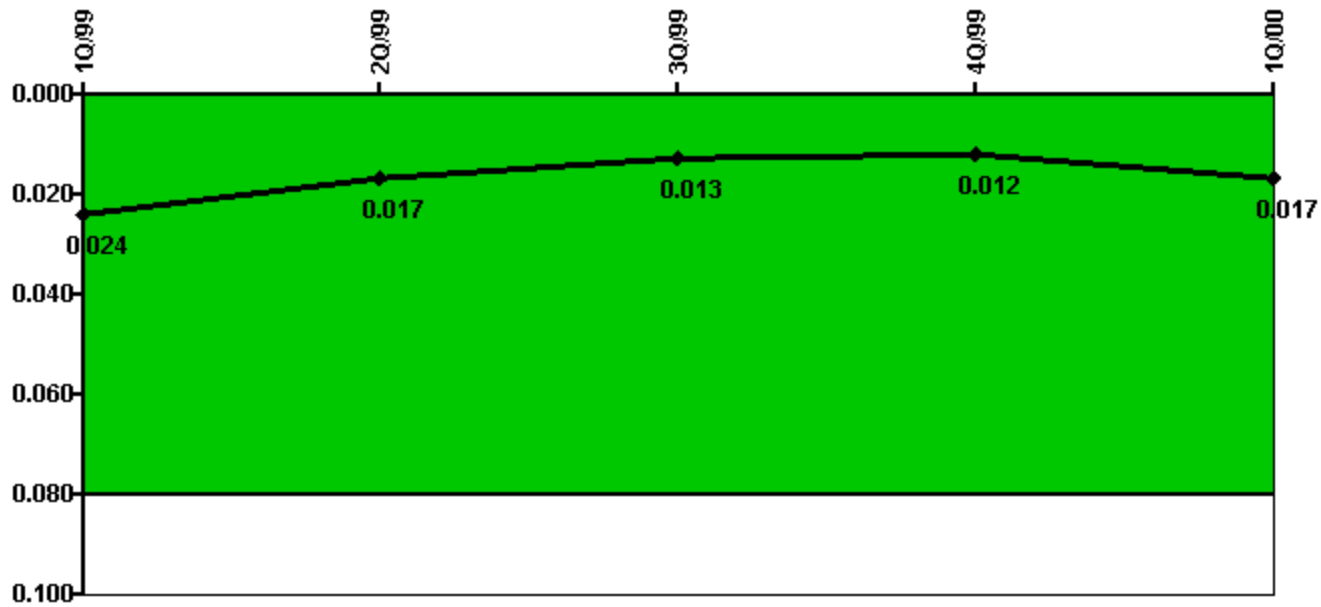
Thresholds: White > 1.0 Yellow > 3.0

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

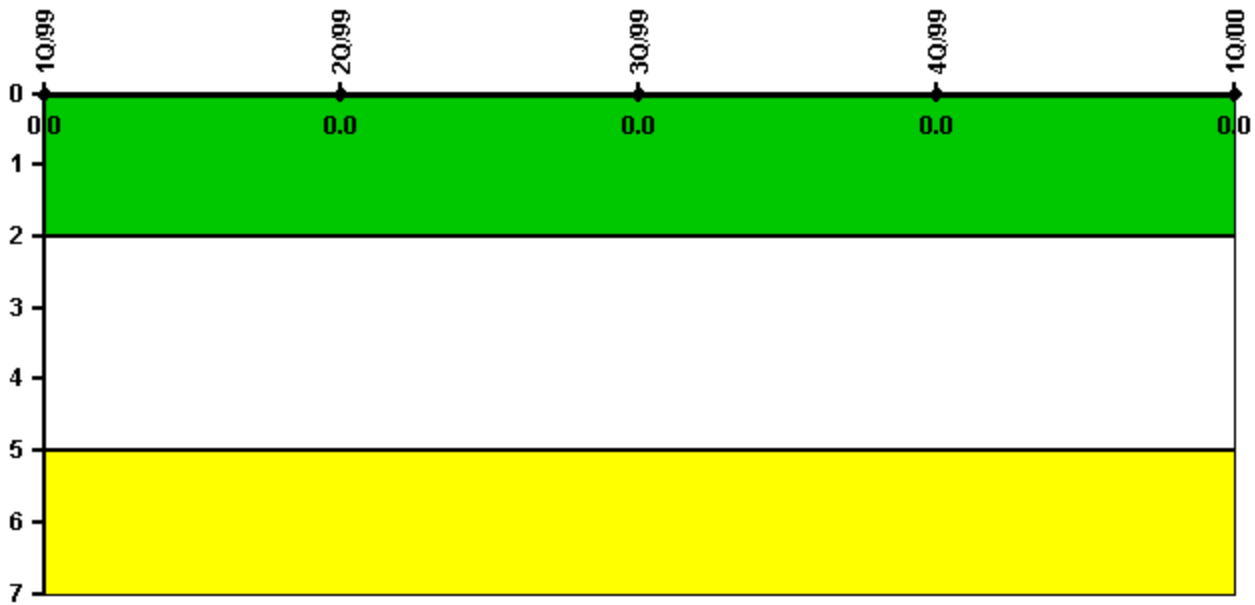
Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	15.40	40.00	74.20	34.70	143.80
CCTV compensatory hours	30.6	18.7	0.3	6.8	2.8
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.024	0.017	0.013	0.012	0.017

Licensee Comments:

1Q/00: Q1/2000 IDS Compensatory Hours adjusted to account for additional hours identified through internal audit activity. This change has no effect on the performance indicator color.

Personnel Screening Program



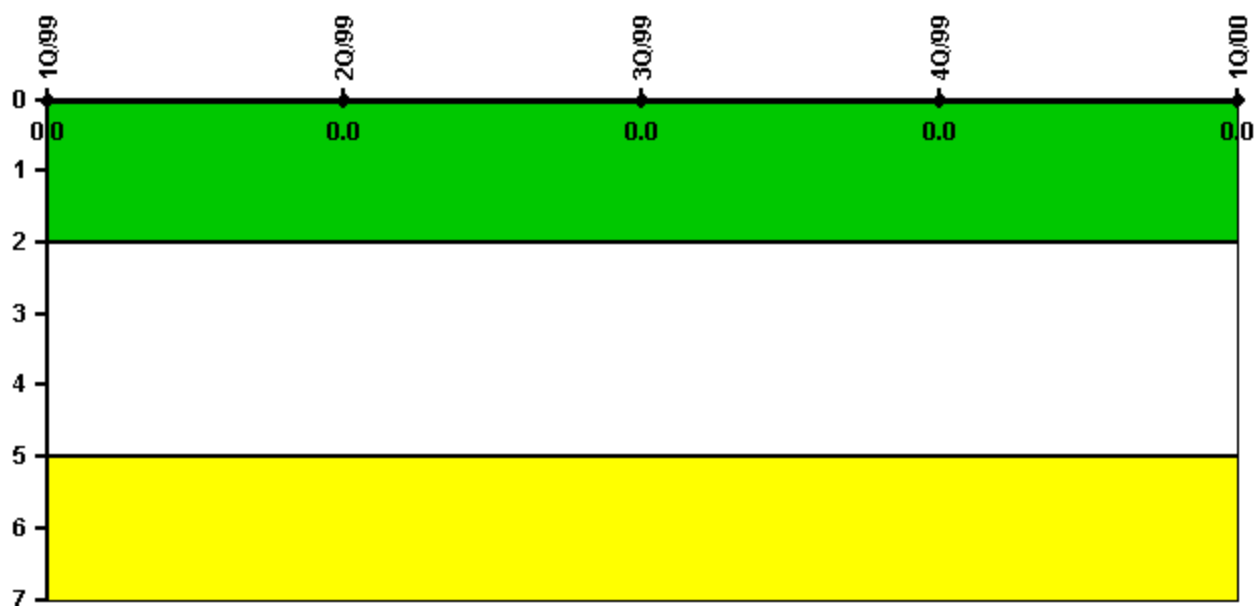
Thresholds: White > 2.0 Yellow > 5.0

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](#)

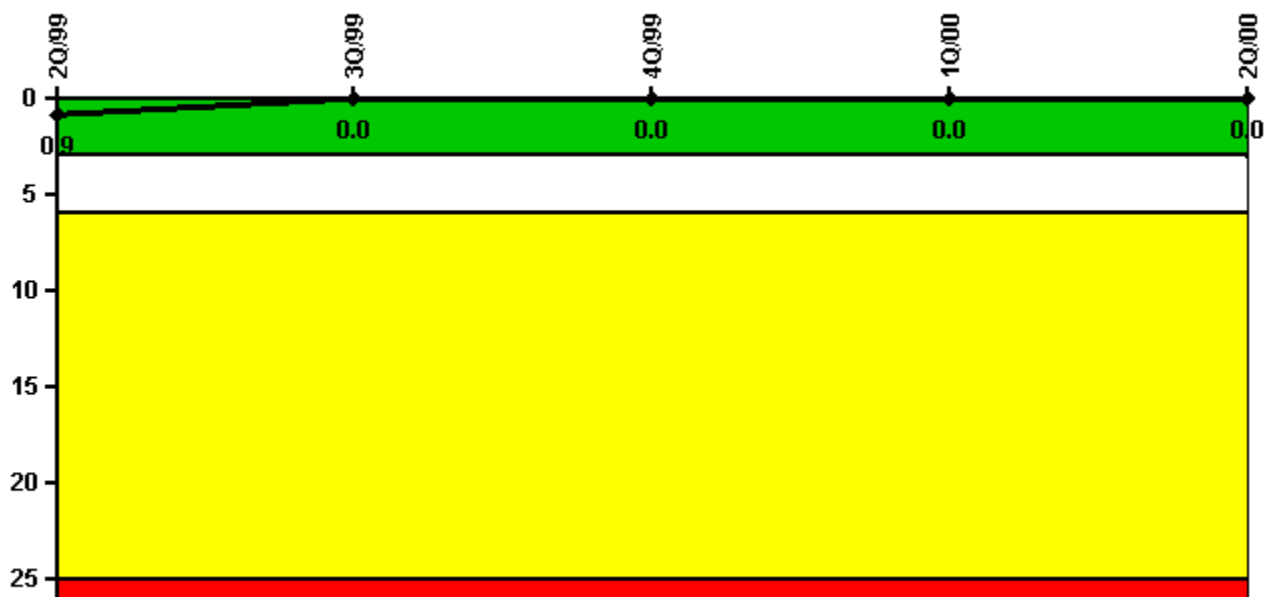
Last Modified: April 1, 2002

Perry 1

2Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



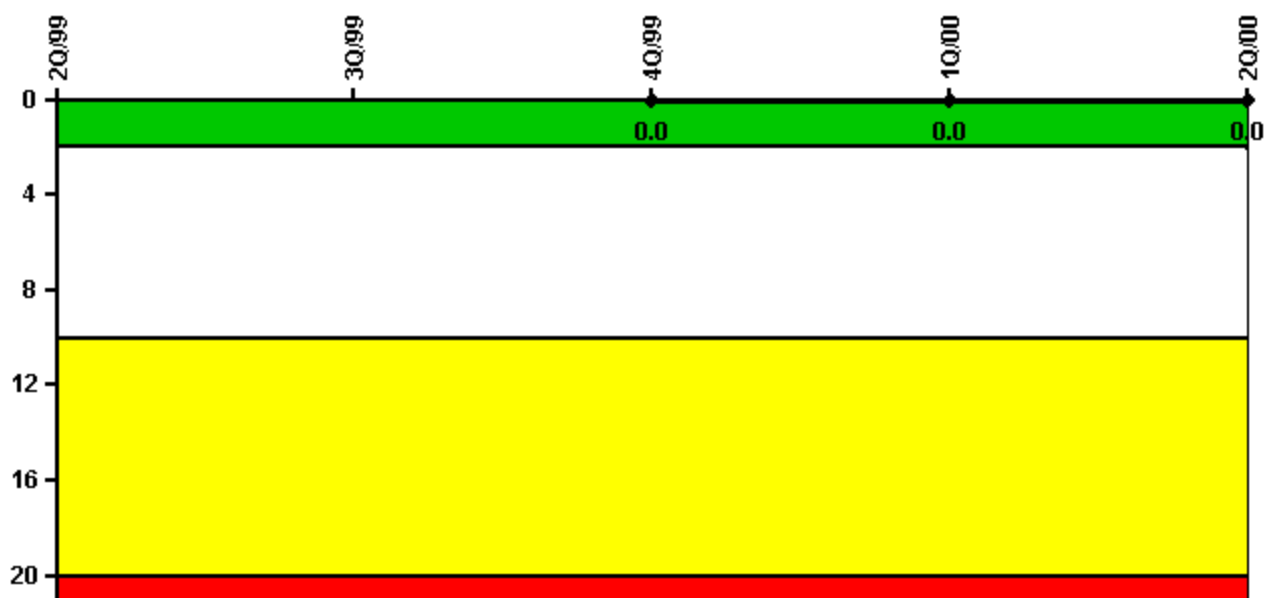
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	1419.0	2208.0	2209.0	2184.0	1924.0
Indicator value	0.9	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



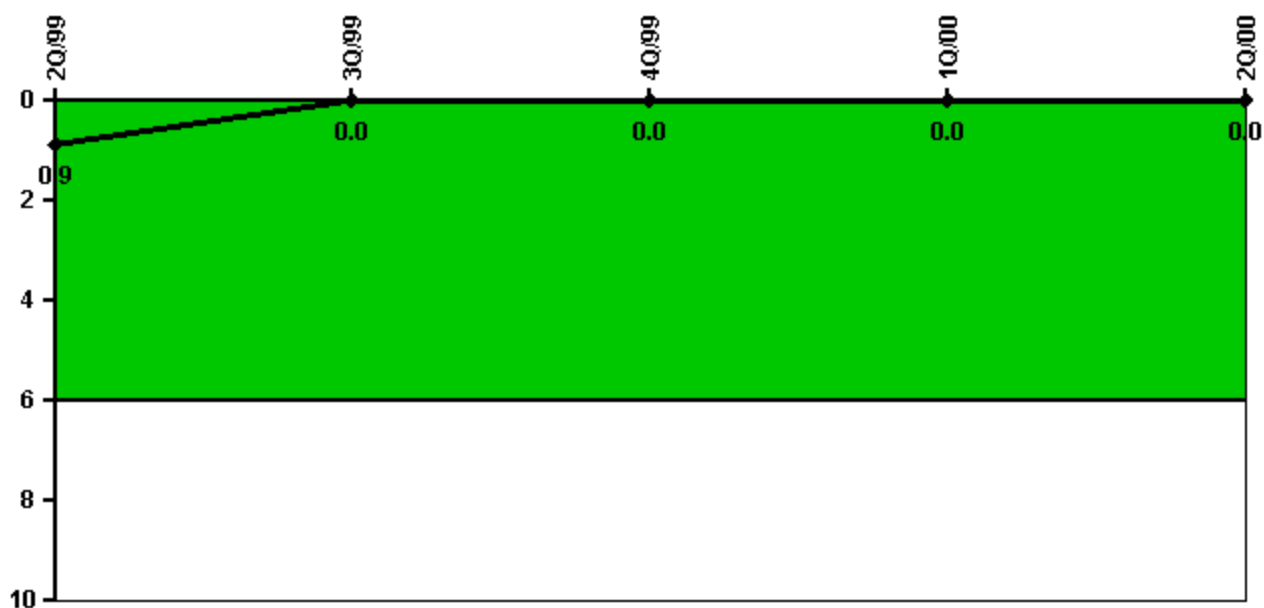
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	0	0
Indicator value			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/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	1419.0	2208.0	2209.0	2184.0	1924.0
Indicator value	0.9	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



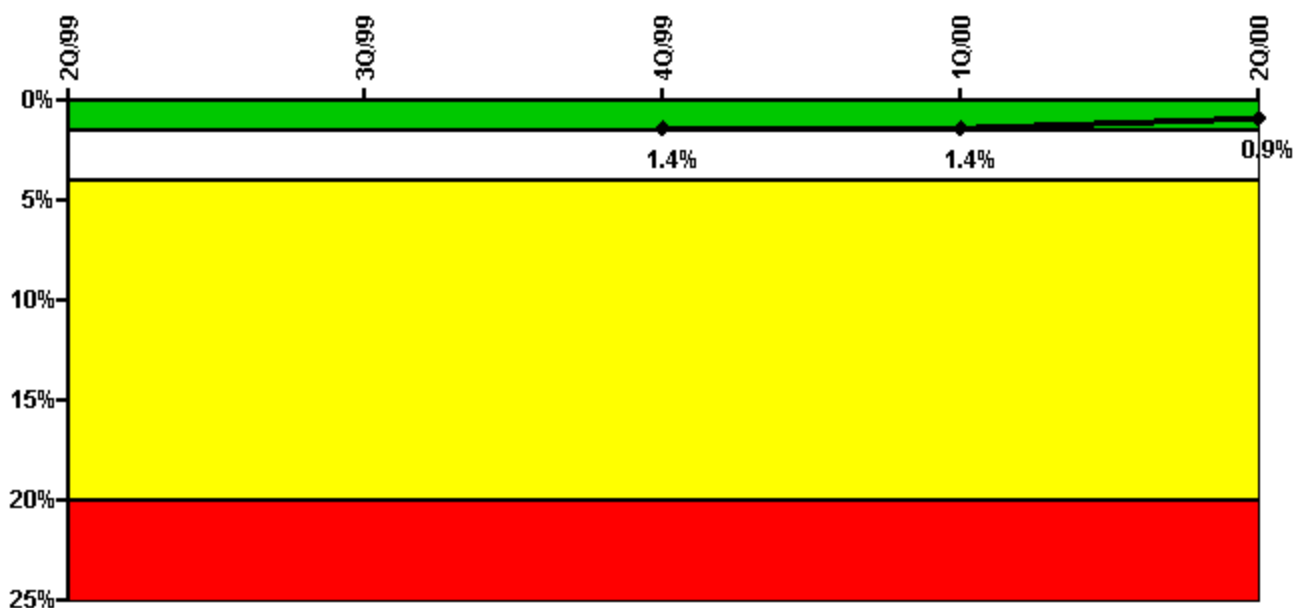
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	23.80	112.30	17.60	7.79
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	12.58	0	59.30	13.46	8.04
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	28.90	0	0	1.98	71.59
Unplanned unavailable hours	0	0	0	11.63	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			1.1%	1.1%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



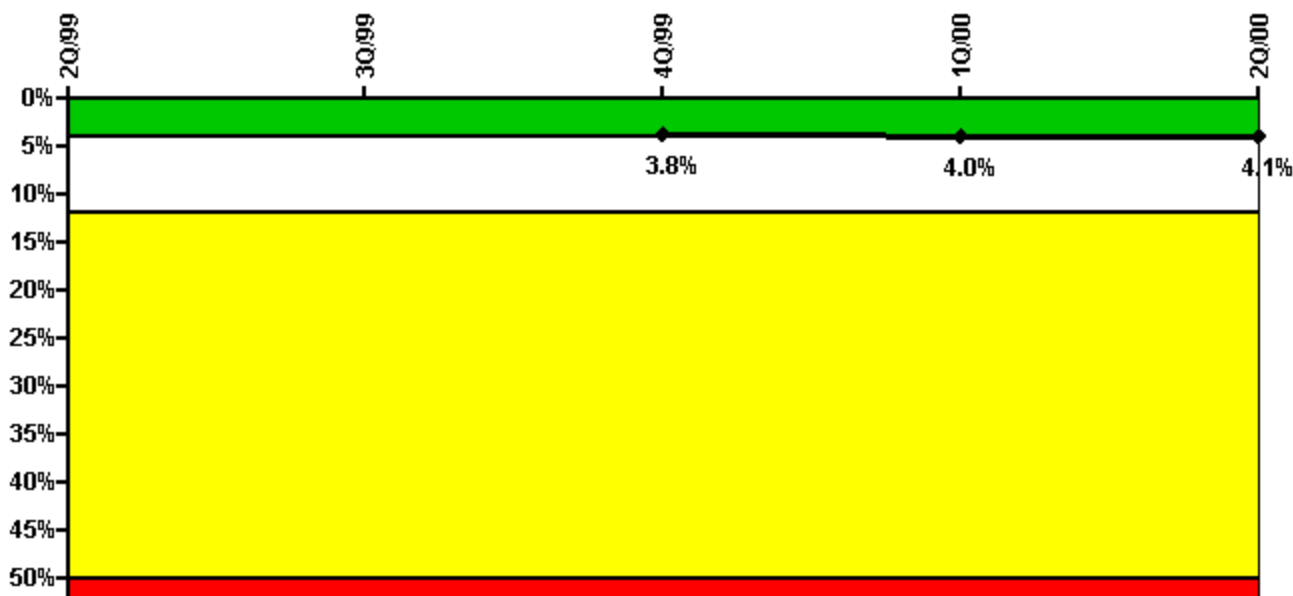
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	35.20	0	0	1.18	52.40
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	1419.20	2208.00	2209.00	2184.00	1924.00
Indicator value			1.4%	1.4%	0.9%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

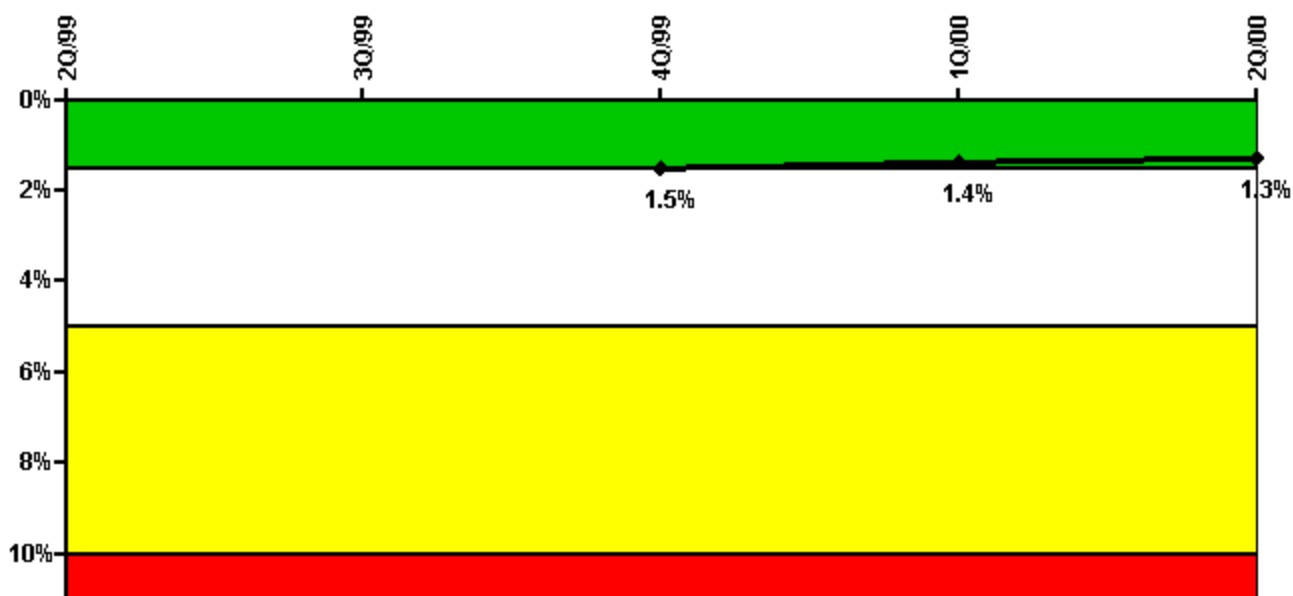
Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	8.60	76.20	0	72.33	2.60
Unplanned unavailable hours	0	0	0	7.80	29.20
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1419.20	2208.00	2209.00	2184.00	1924.00
Indicator value			3.8%	4.0%	4.1%

Licensee Comments:

2Q/00: Due to historical planned unavailability as a result of managed efforts to perform preventive maintenance while on-line, combined with short periods of unplanned unavailability during the reporting quarter, this indicator has crossed the threshold to white. Historical planned unavailability periods were conducted within the technical specification allowed outage times. Performance is projected to return to green by next quarter as historical unavailability drops from the window of interest and limited additional planned unavailability is incurred. System performance has been documented in the corrective action program.

Safety System Unavailability, Residual Heat Removal System



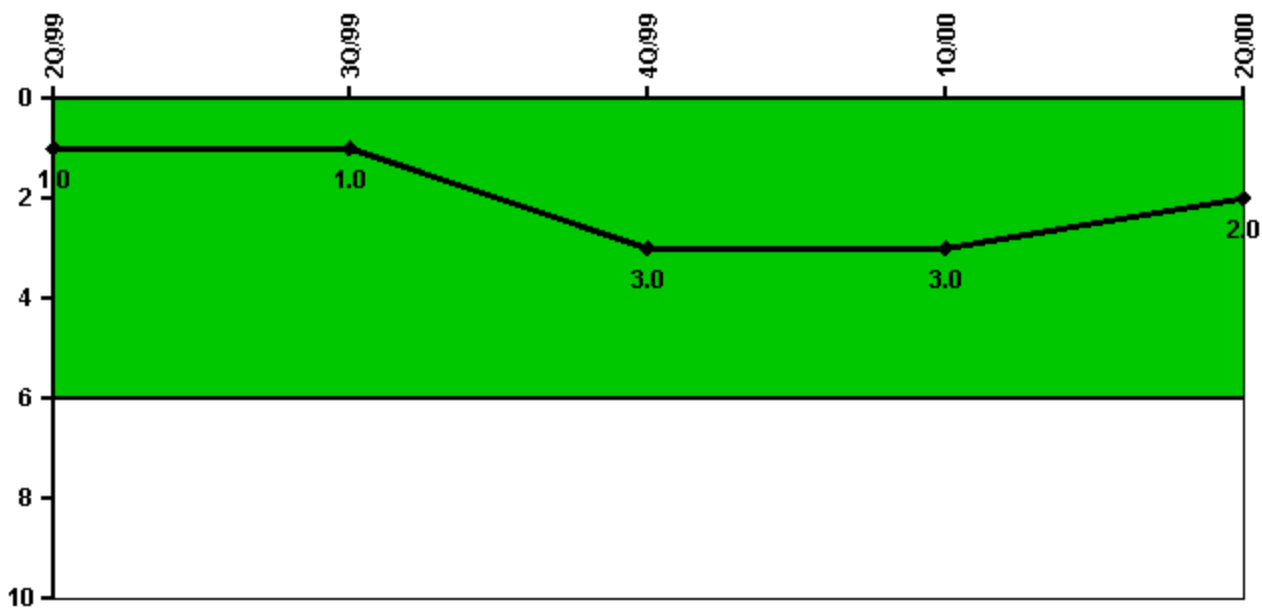
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	129.40	0	3.07	6.46
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	0	0	136.00	14.70	1.32
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
Indicator value			1.5%	1.4%	1.3%

Licensee Comments: none

Safety System Functional Failures (BWR)



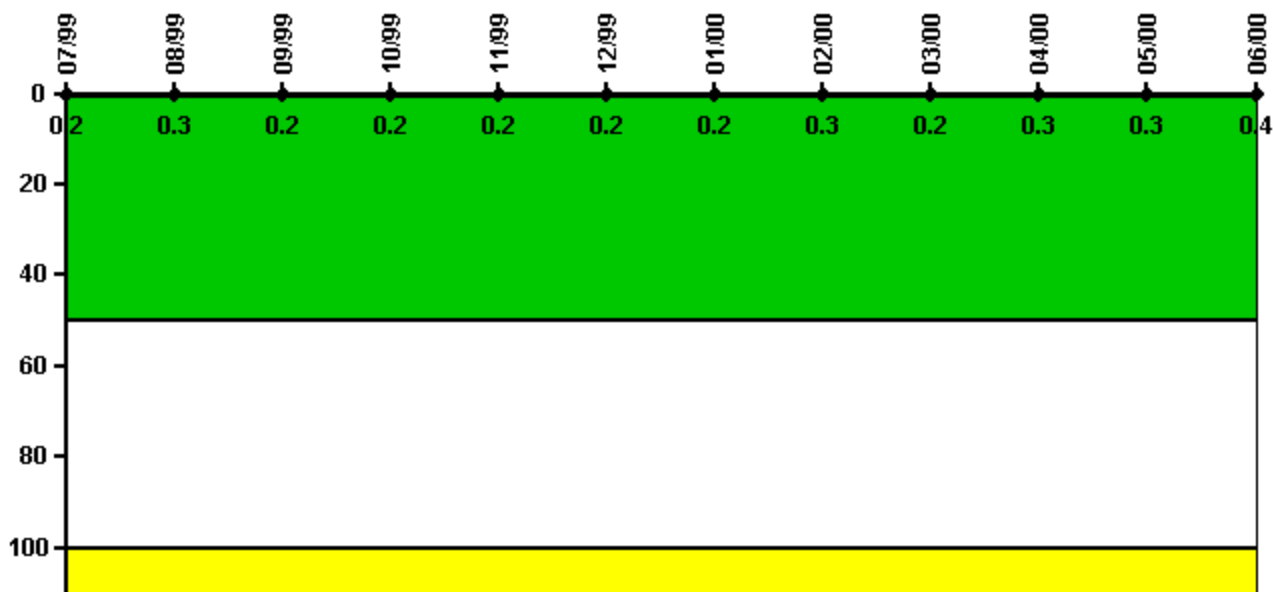
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



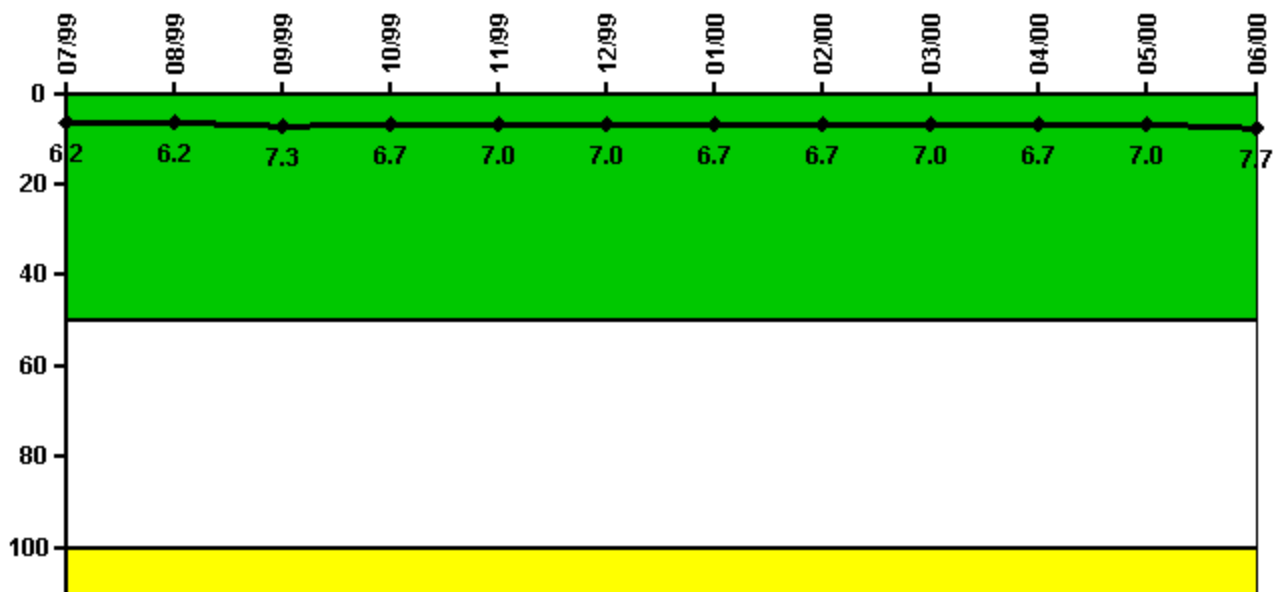
Thresholds: White > 50.0 Yellow > 100.0

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	0.000412	0.000530	0.000380	0.000354	0.000338	0.000349	0.000380	0.000613	0.000389	0.000561	0.000616	0.000778
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.4

Licensee Comments: none

Reactor Coolant System Leakage



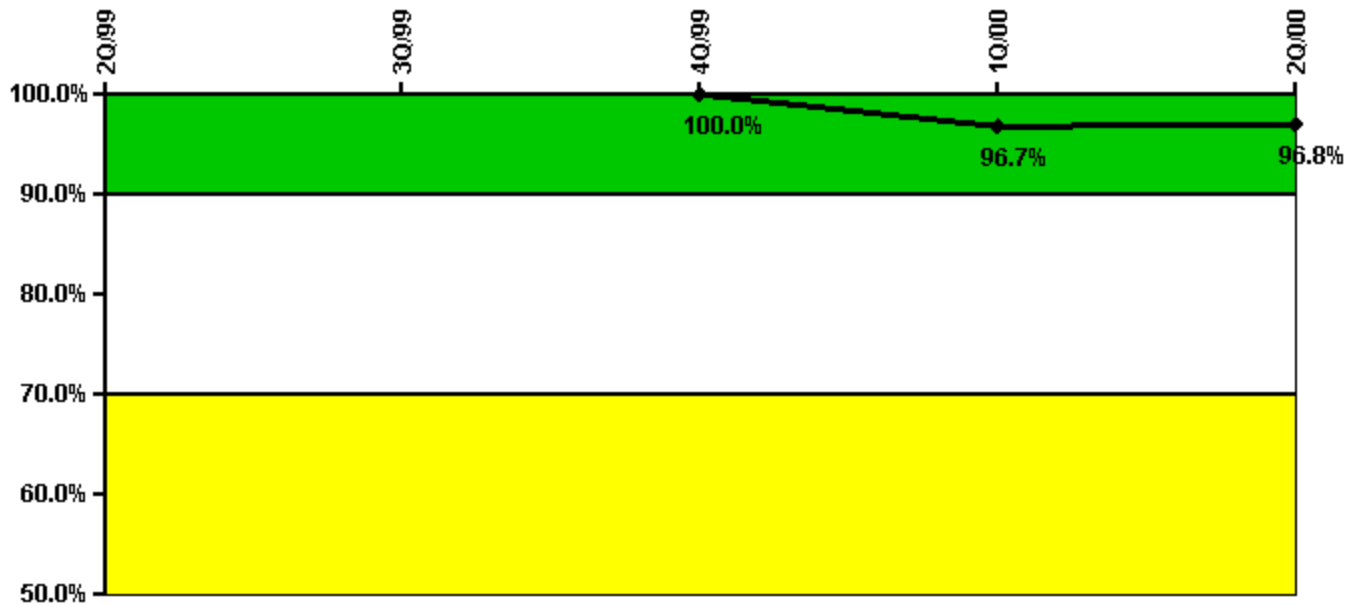
Thresholds: White > 50.0 Yellow > 100.0

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	1.850	1.850	2.200	2.000	2.100	2.100	2.000	2.000	2.100	2.000	2.100	2.300
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.2	6.2	7.3	6.7	7.0	7.0	6.7	6.7	7.0	6.7	7.0	7.7

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

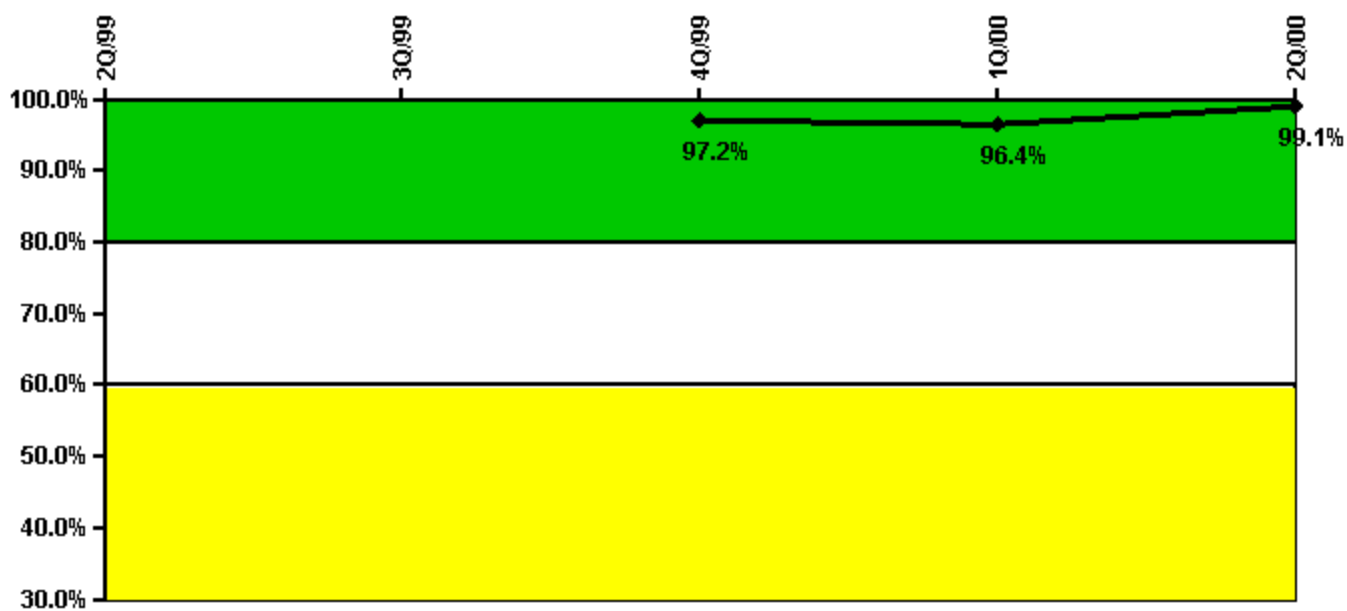
Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	0	21.0	15.0	23.0	32.0
Total opportunities	0	21.0	15.0	25.0	33.0
Indicator value			100.0%	96.7%	96.8%

Licensee Comments:

1Q/00: Data changed to reflect removal of opportunities from Q1/2000 data that were actually part of Q2/2000 data. This change has no effect on the performance indicator color.

ERO Drill Participation



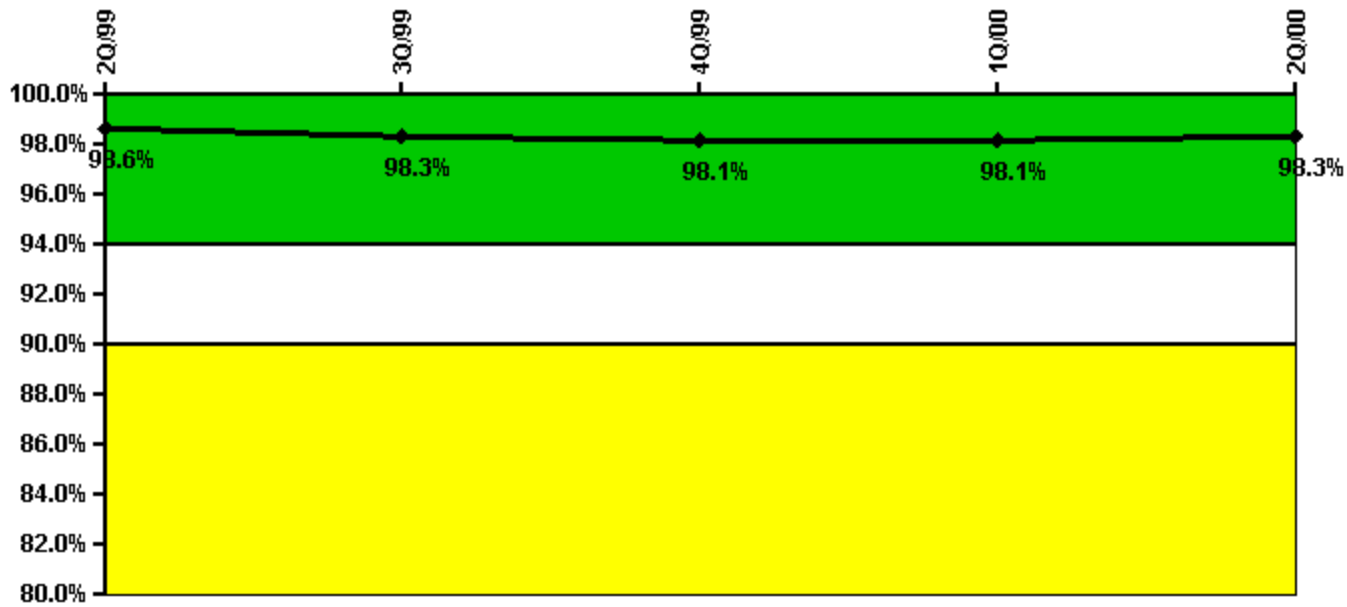
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			105.0	106.0	109.0
Total Key personnel			108.0	110.0	110.0
Indicator value			97.2%	96.4%	99.1%

Licensee Comments: none

Alert & Notification System



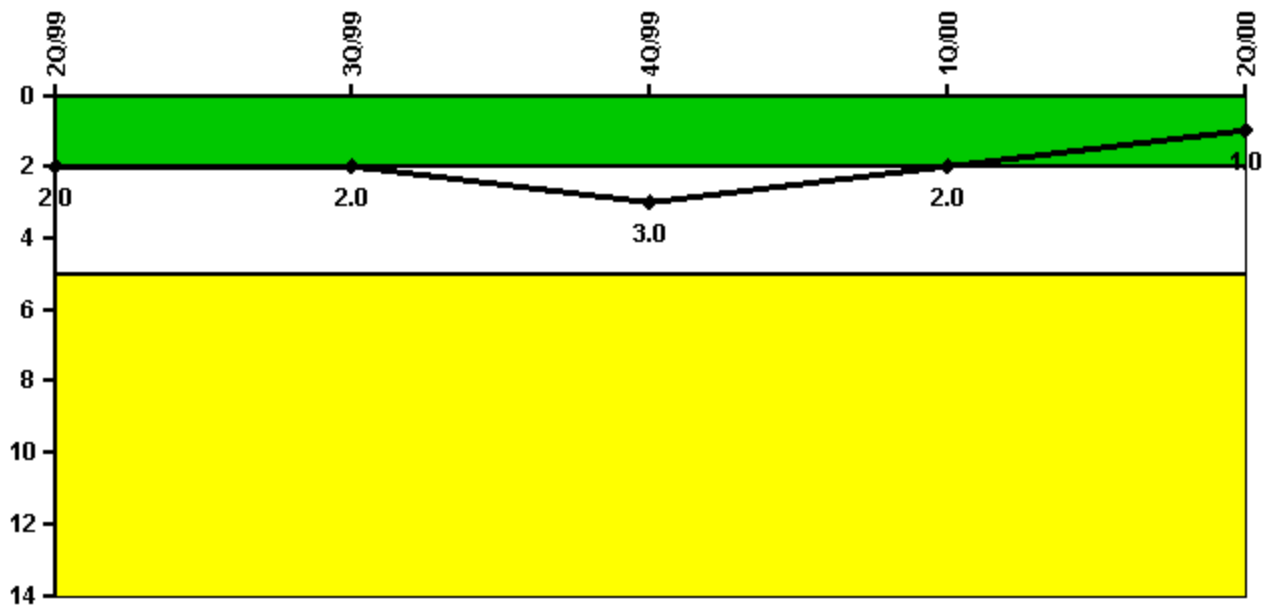
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	522	520	520	525	526
Total sirens-tests	532	532	532	532	532
Indicator value	98.6%	98.3%	98.1%	98.1%	98.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



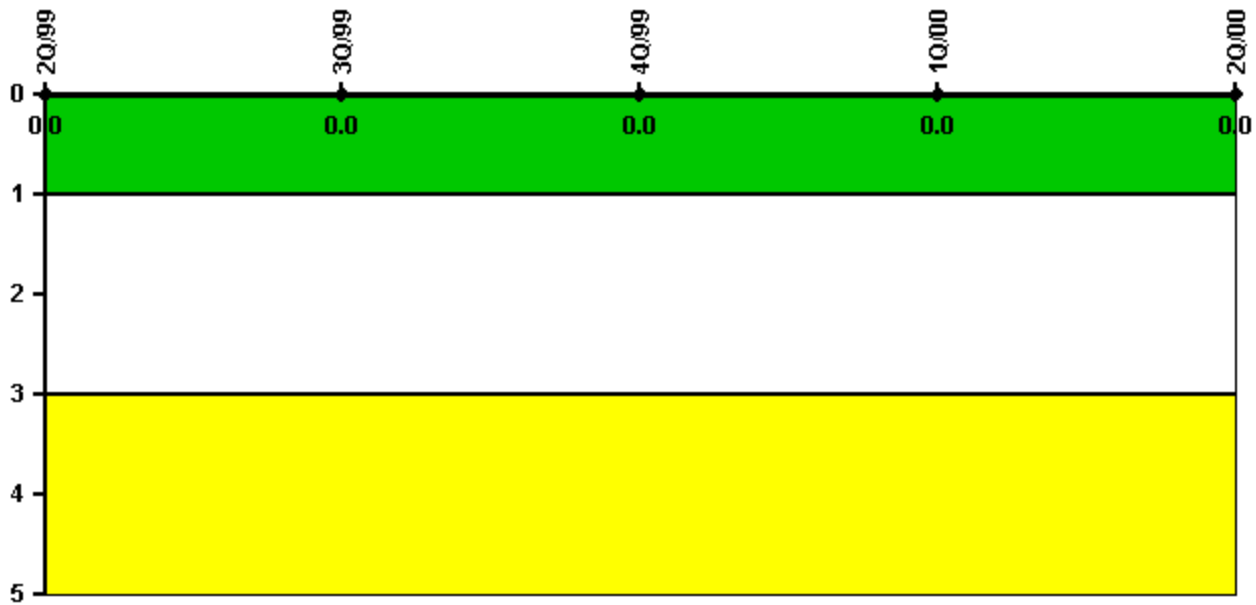
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



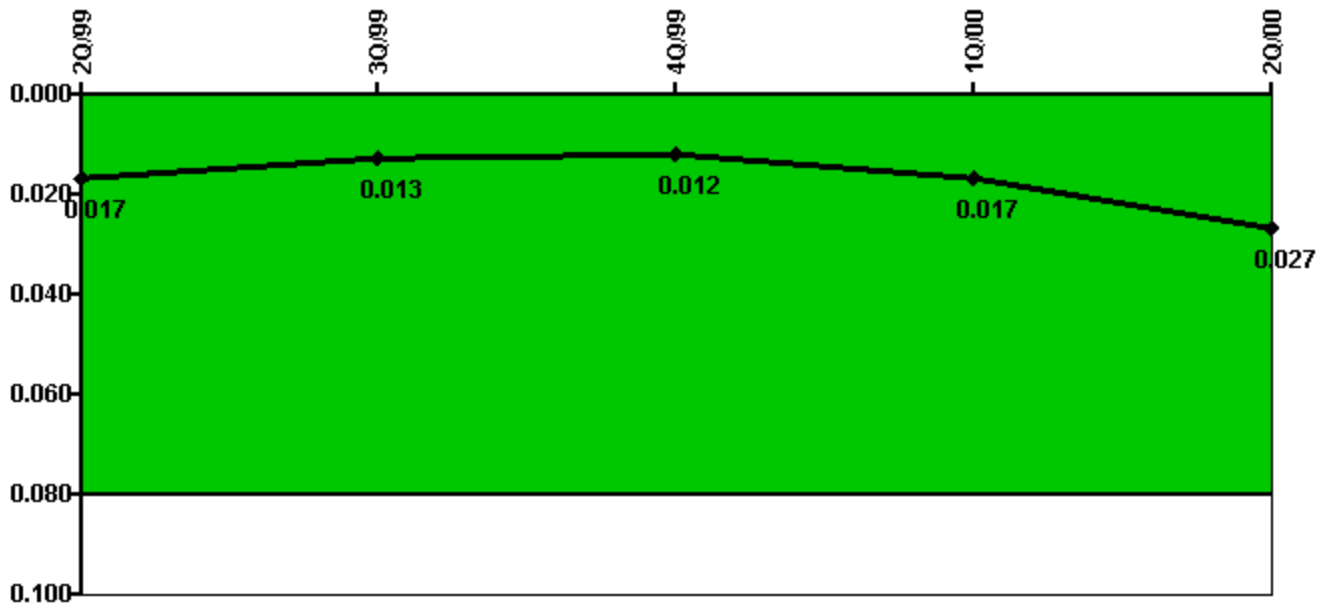
Thresholds: White > 1.0 Yellow > 3.0

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

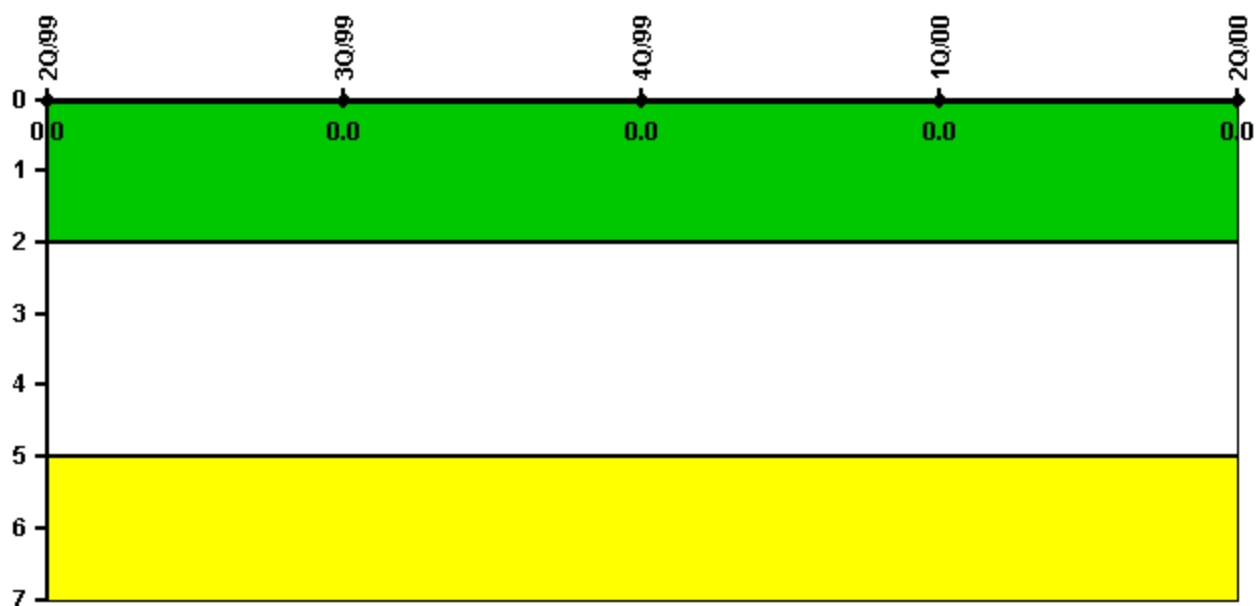
Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	40.00	74.20	34.70	143.80	263.20
CCTV compensatory hours	18.7	0.3	6.8	2.8	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.017	0.013	0.012	0.017	0.027

Licensee Comments:

1Q/00: Q1/2000 IDS Compensatory Hours adjusted to account for additional hours identified through internal audit activity. This change has no effect on the performance indicator color.

Personnel Screening Program



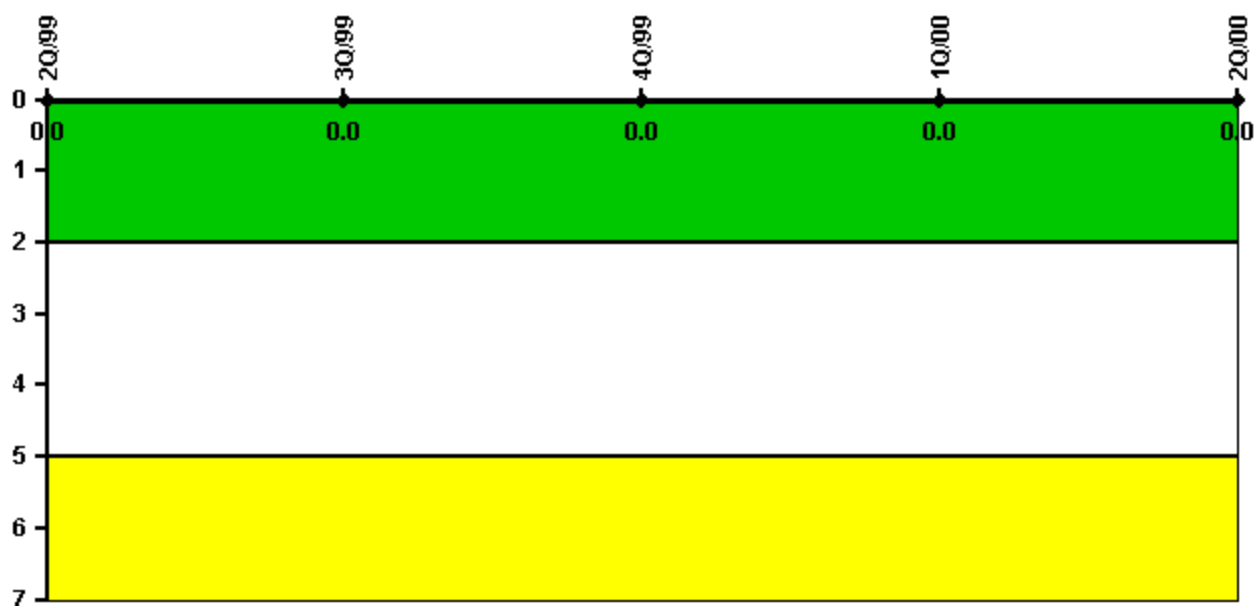
Thresholds: White > 2.0 Yellow > 5.0

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



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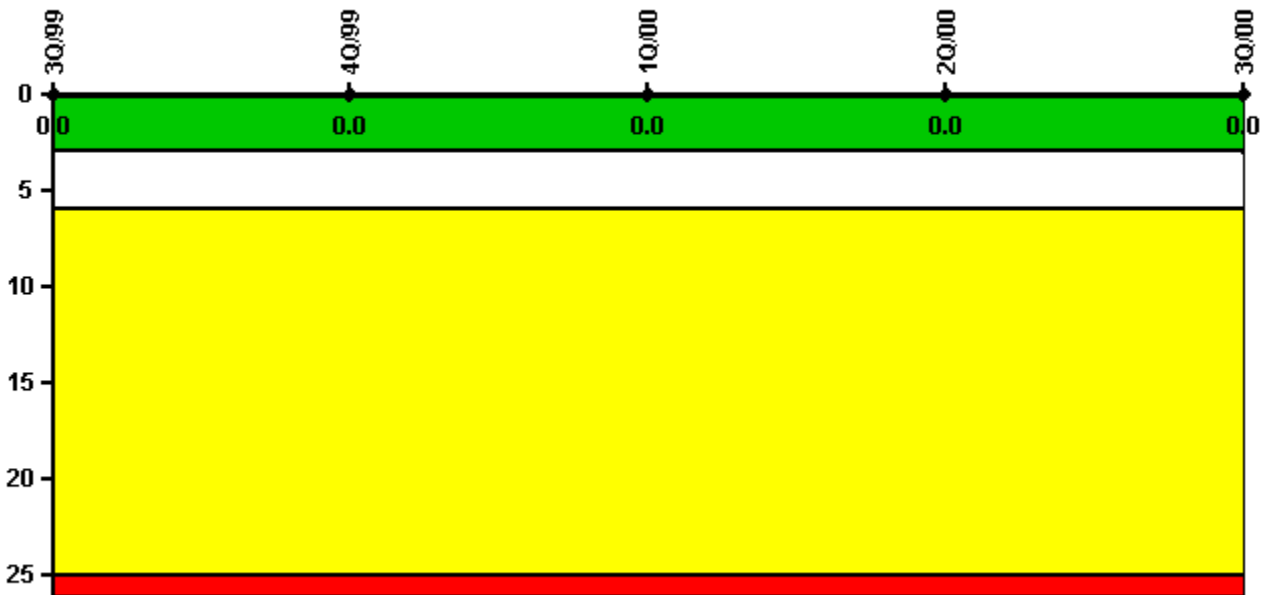
Last Modified: April 1, 2002

Perry 1

3Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



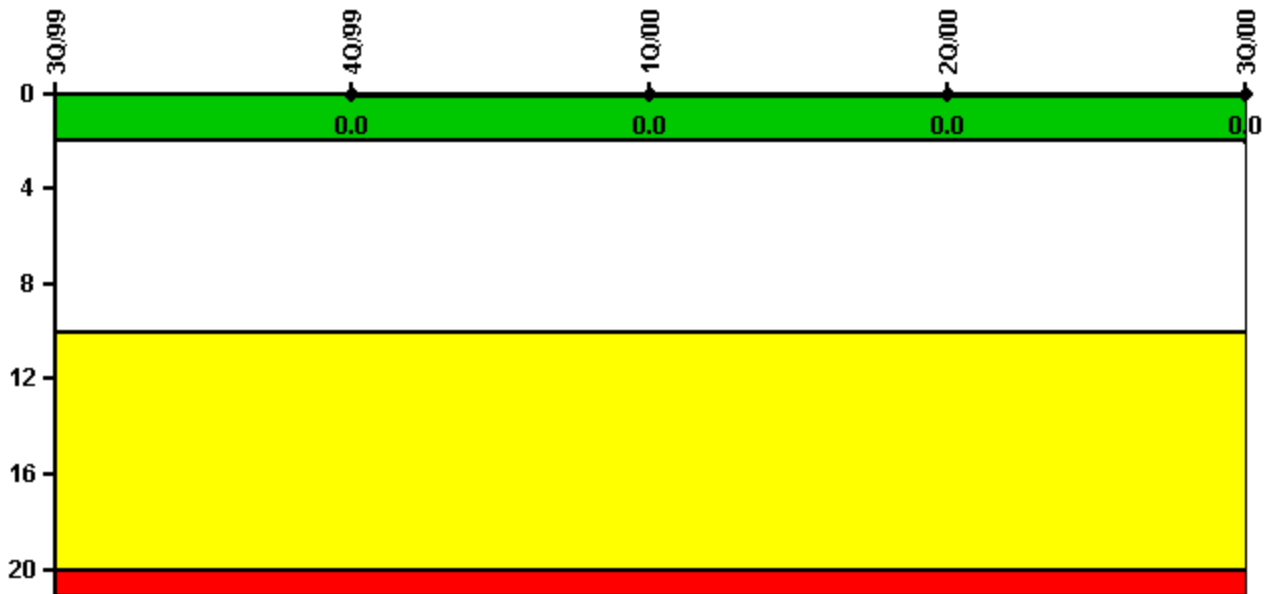
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	1924.0	2208.0
Indicator value	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



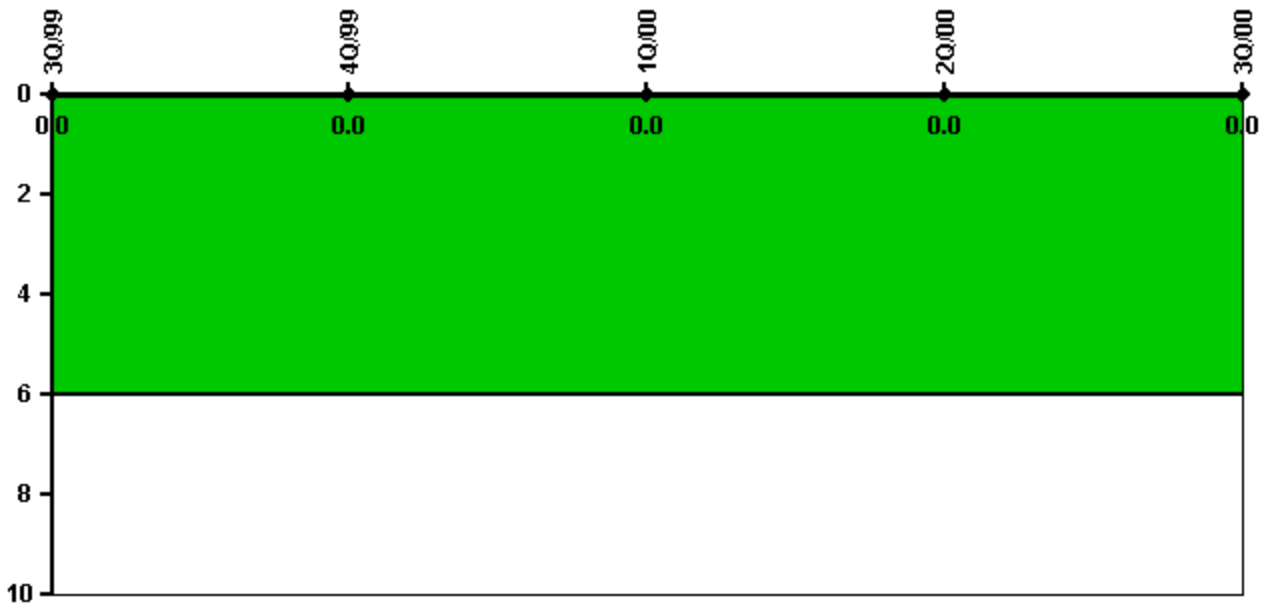
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



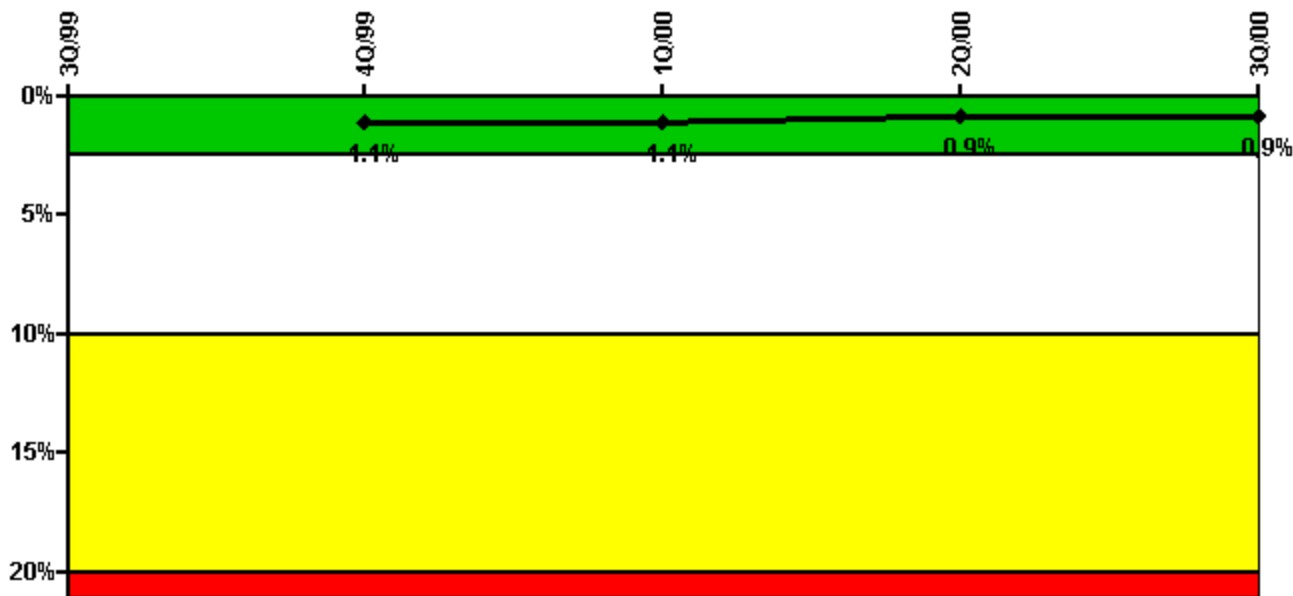
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	1924.0	2208.0
Indicator value	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



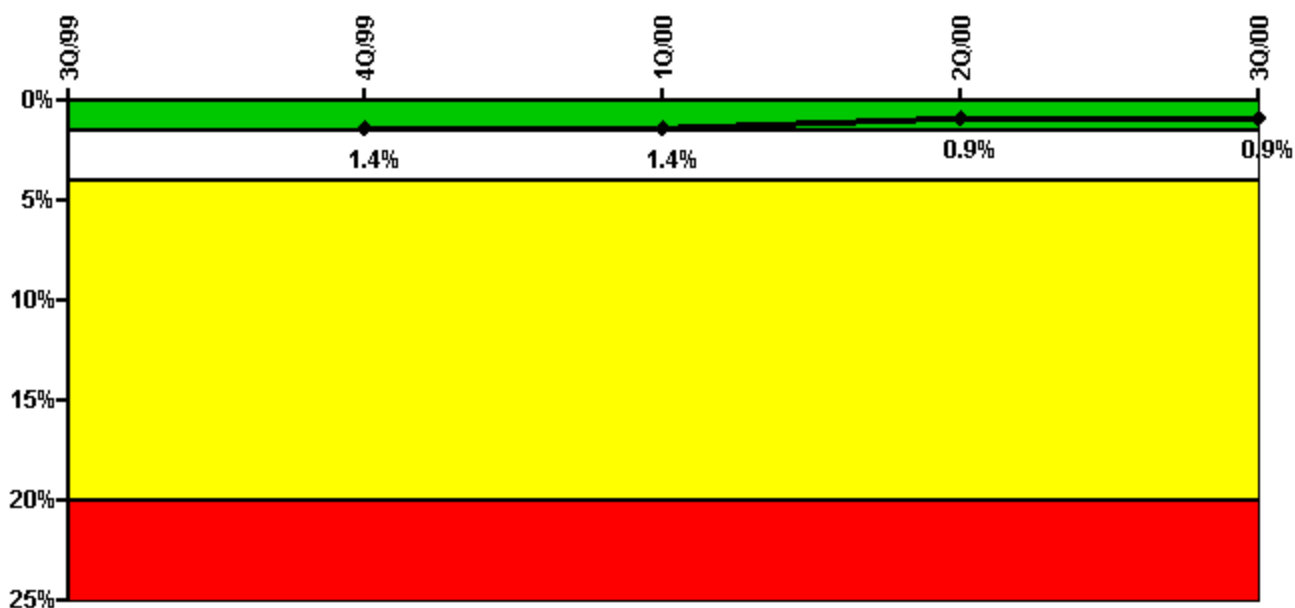
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	23.80	112.30	17.60	7.79	51.85
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	59.30	13.46	8.04	4.30
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	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3					
Planned unavailable hours	0	0	1.98	71.59	1.74
Unplanned unavailable hours	0	0	11.63	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
Indicator value		1.1%	1.1%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



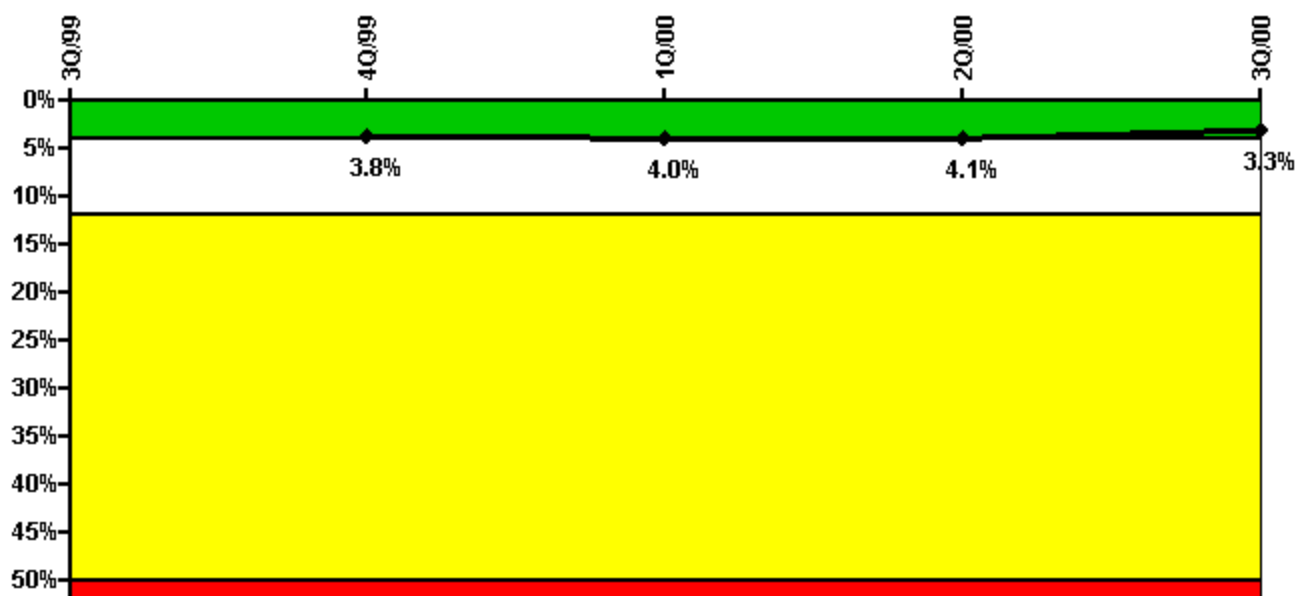
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	0	1.18	52.40	1.50
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	2208.00	2209.00	2184.00	1924.00	2208.00
Indicator value		1.4%	1.4%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



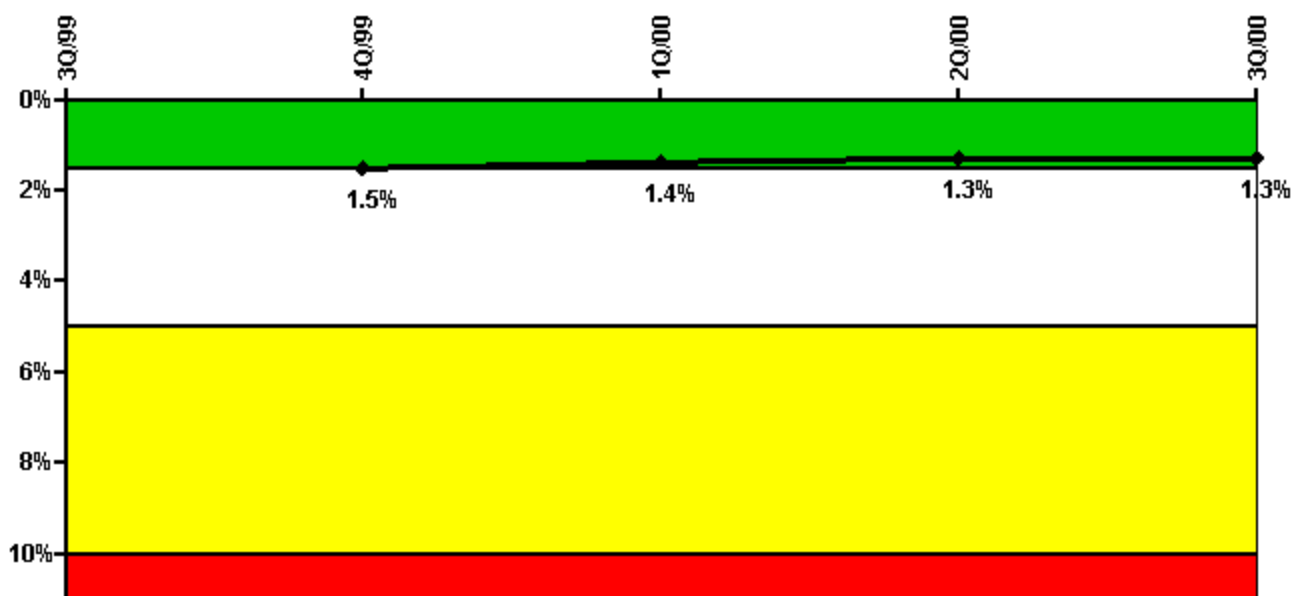
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	76.20	0	72.33	2.60	60.92
Unplanned unavailable hours	0	0	7.80	29.20	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	1924.00	2208.00
Indicator value		3.8%	4.0%	4.1%	3.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



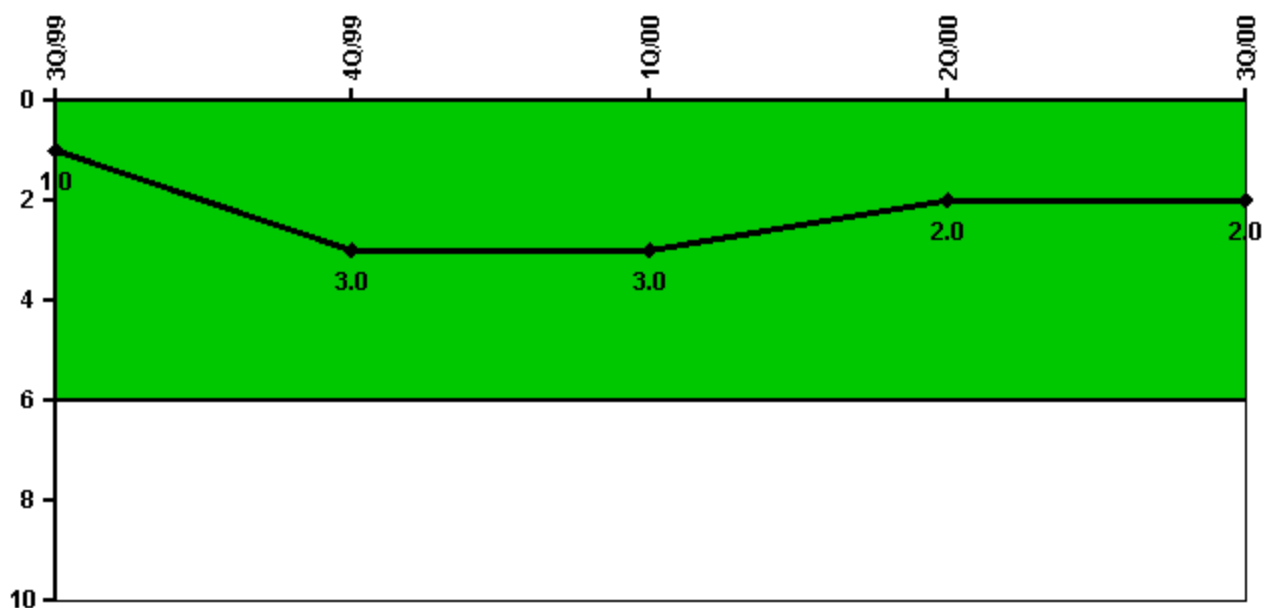
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	129.40	0	3.07	6.46	84.67
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	136.00	14.70	1.32	12.80
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	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value		1.5%	1.4%	1.3%	1.3%

Licensee Comments: none

Safety System Functional Failures (BWR)



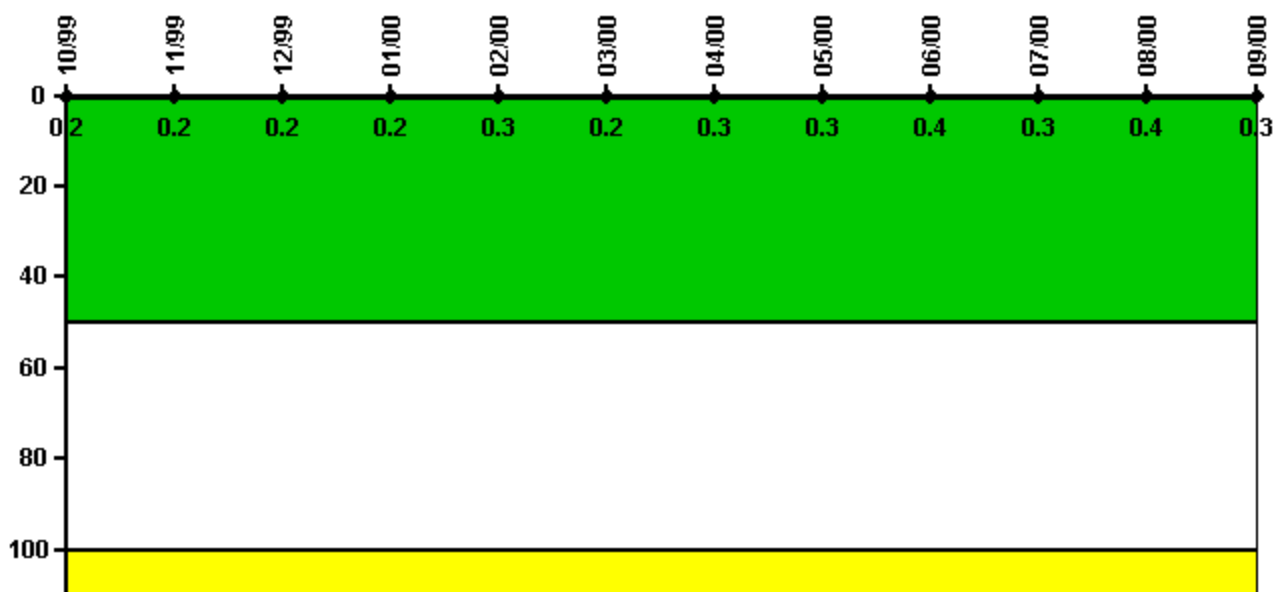
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



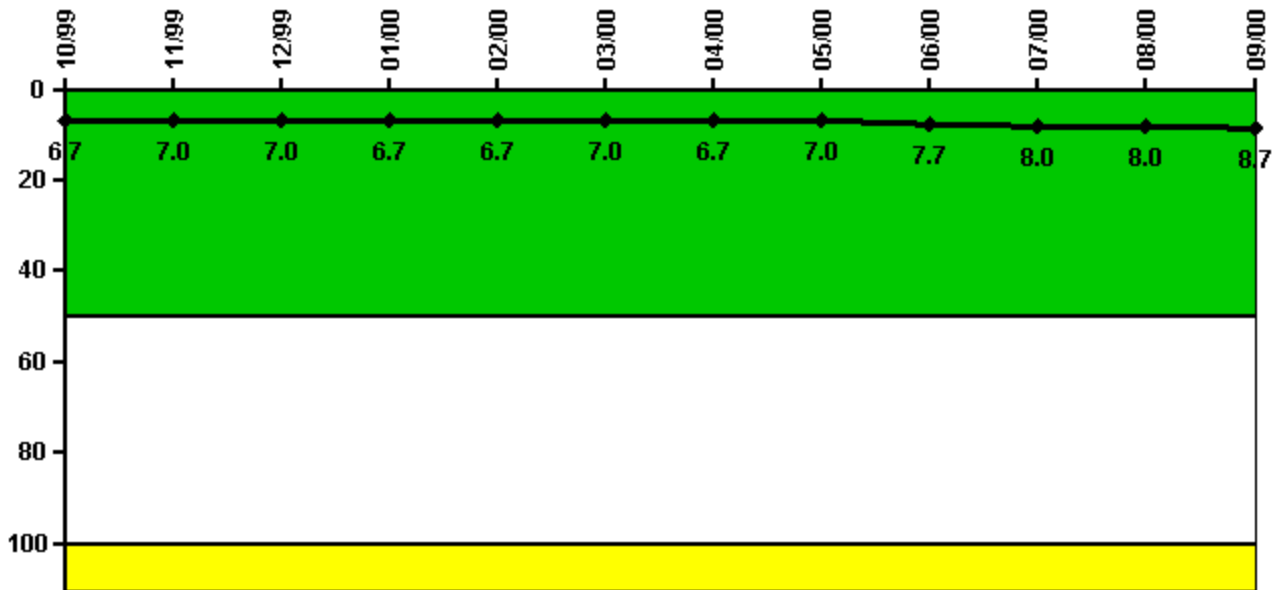
Thresholds: White > 50.0 Yellow > 100.0

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	0.000354	0.000338	0.000349	0.000380	0.000613	0.000389	0.000561	0.000616	0.000778	0.000663	0.000777	0.000615
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3

Licensee Comments: none

Reactor Coolant System Leakage



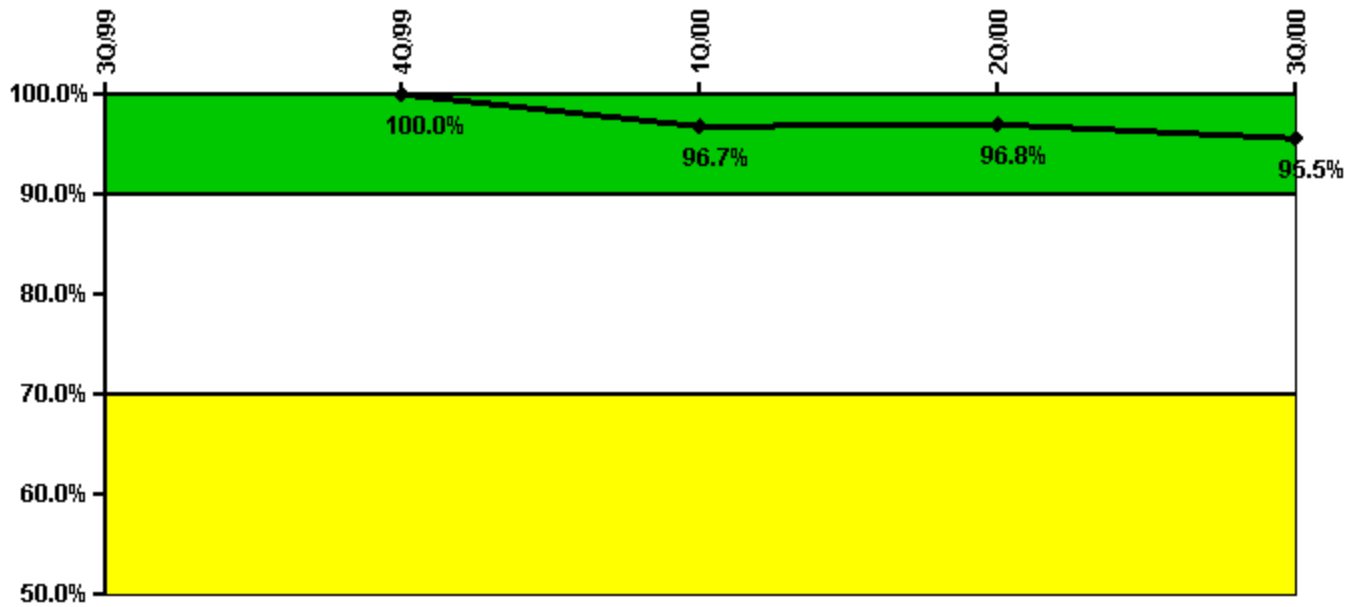
Thresholds: White > 50.0 Yellow > 100.0

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	2.000	2.100	2.100	2.000	2.000	2.100	2.000	2.100	2.300	2.400	2.400	2.600
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	7.0	7.0	6.7	6.7	7.0	6.7	7.0	7.7	8.0	8.0	8.7

Licensee Comments: none

Drill/Exercise Performance



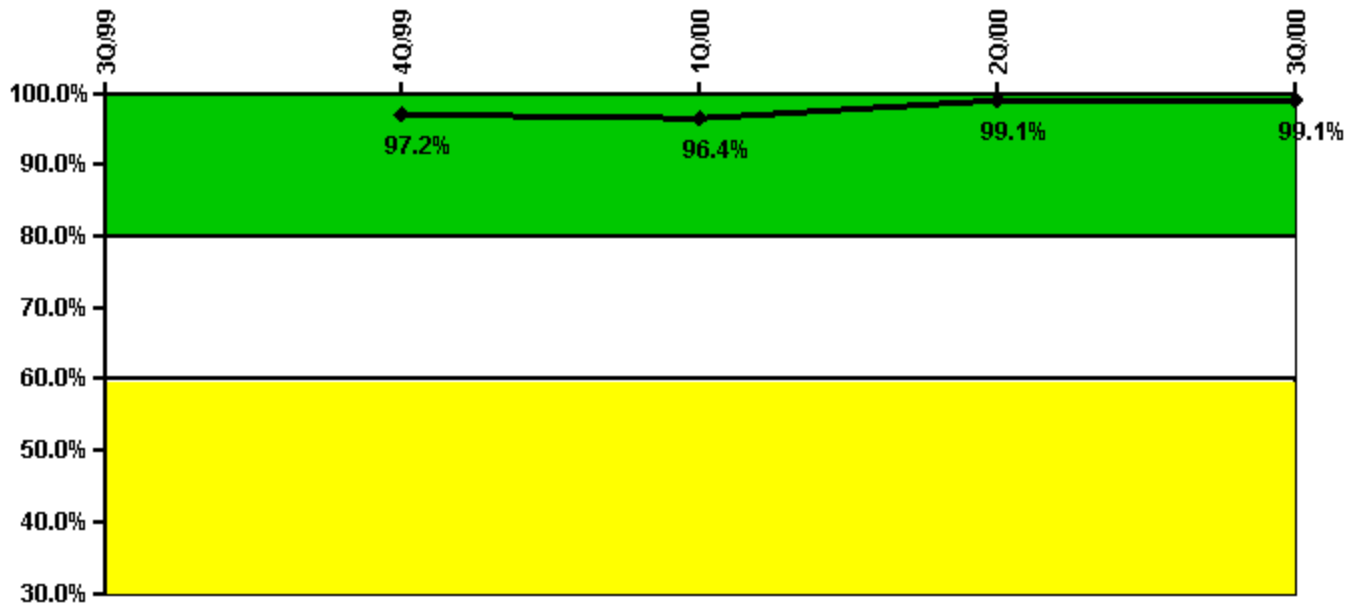
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	21.0	15.0	23.0	32.0	14.0
Total opportunities	21.0	15.0	25.0	33.0	16.0
Indicator value		100.0%	96.7%	96.8%	95.5%

Licensee Comments: none

ERO Drill Participation



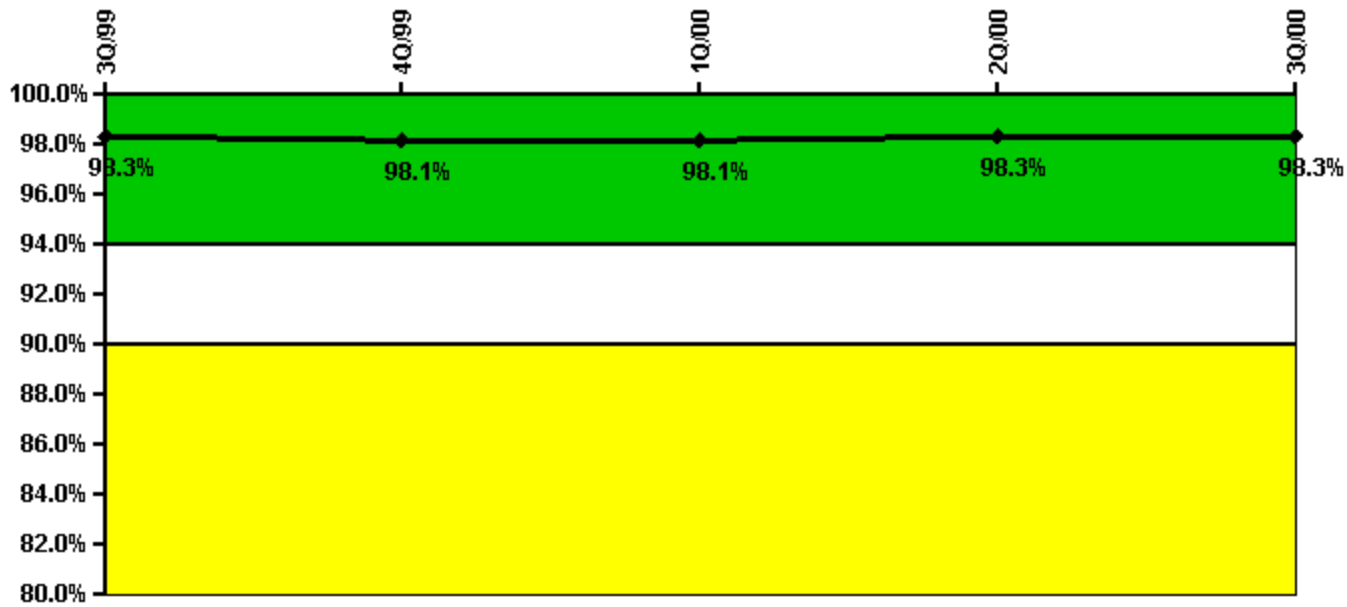
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		105.0	106.0	109.0	105.0
Total Key personnel		108.0	110.0	110.0	106.0
Indicator value		97.2%	96.4%	99.1%	99.1%

Licensee Comments: none

Alert & Notification System



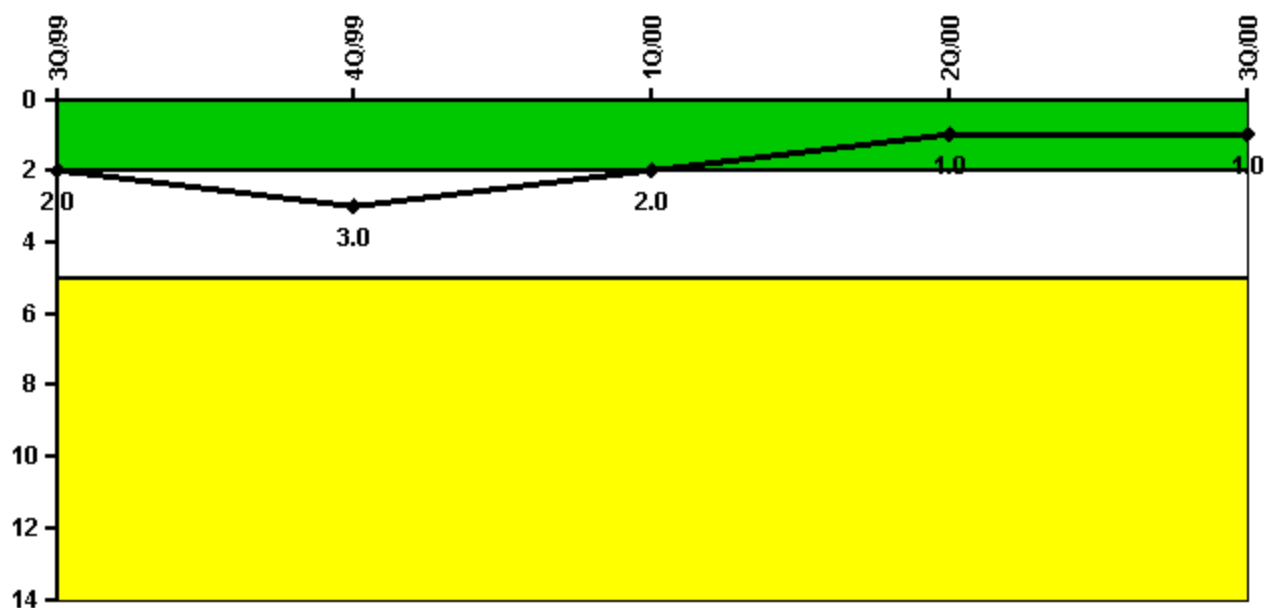
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	520	520	525	526	521
Total sirens-tests	532	532	532	532	532
Indicator value	98.3%	98.1%	98.1%	98.3%	98.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



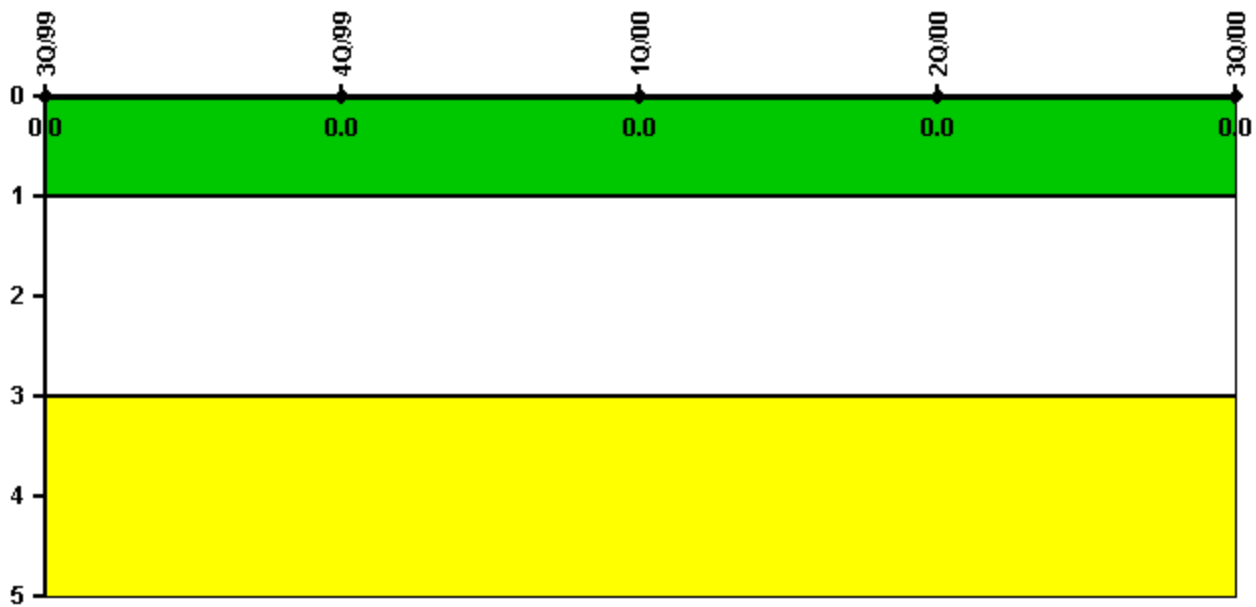
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



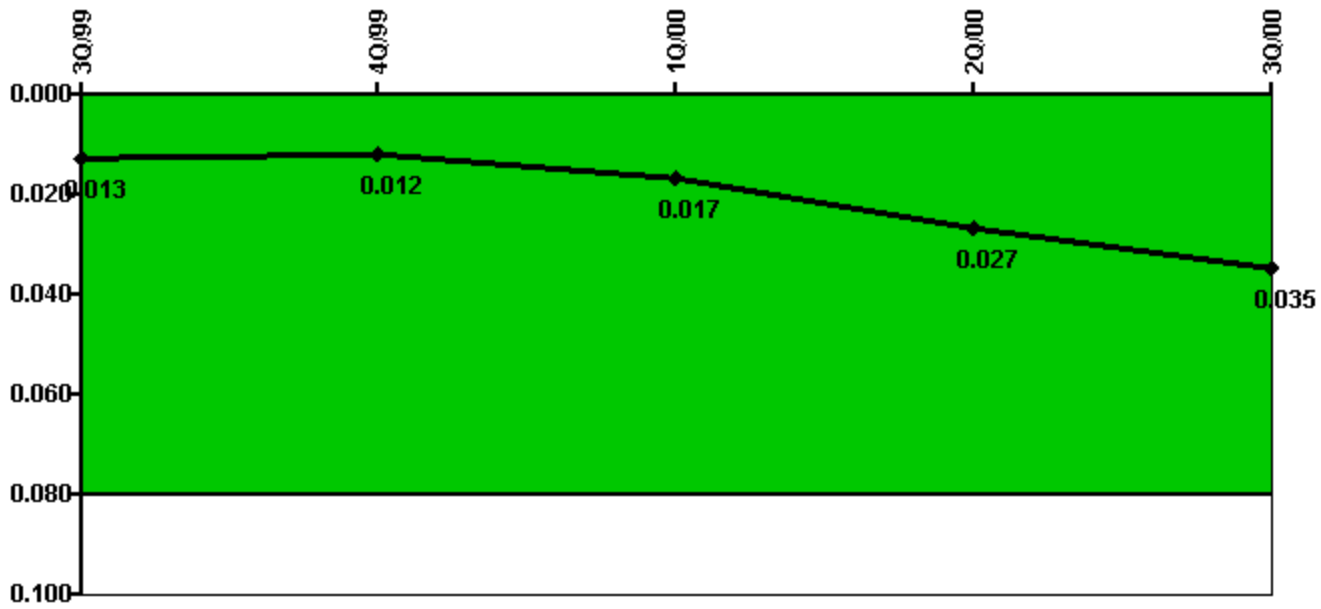
Thresholds: White > 1.0 Yellow > 3.0

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



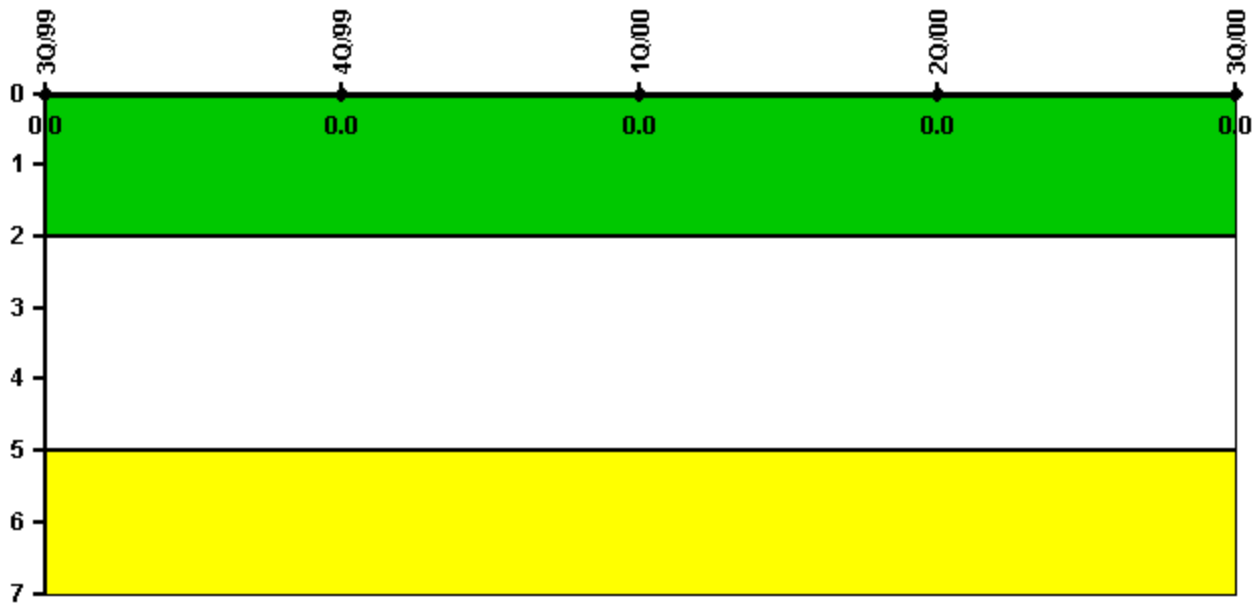
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	74.20	34.70	143.80	263.20	221.30
CCTV compensatory hours	0.3	6.8	2.8	0	6.0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.013	0.012	0.017	0.027	0.035

Licensee Comments: none

Personnel Screening Program



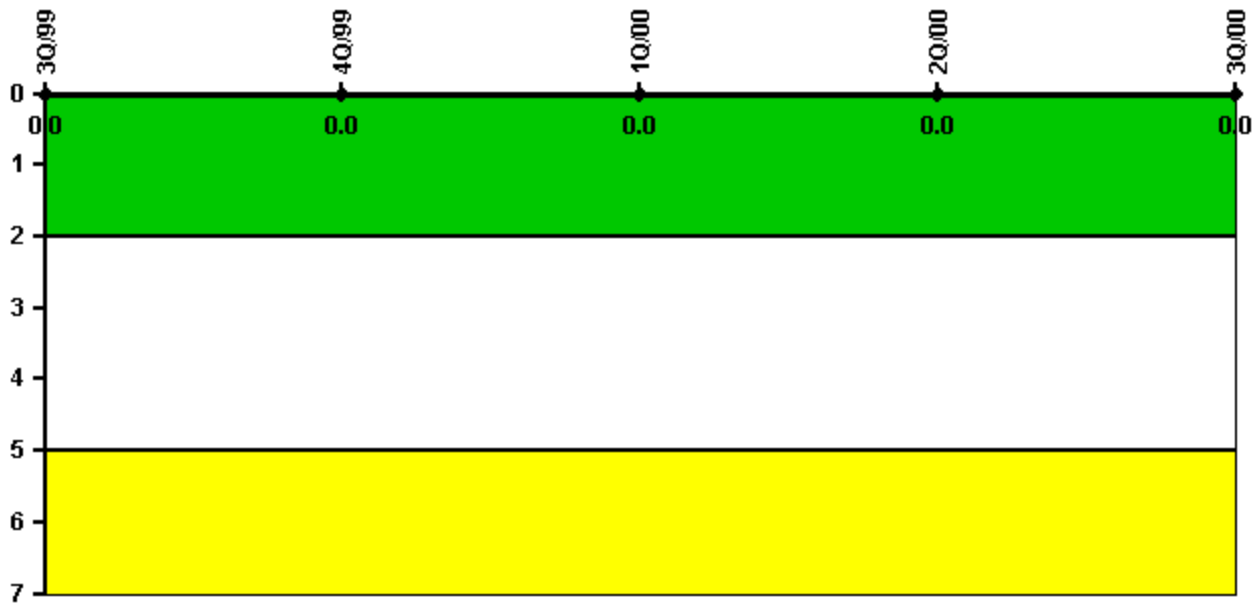
Thresholds: White > 2.0 Yellow > 5.0

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



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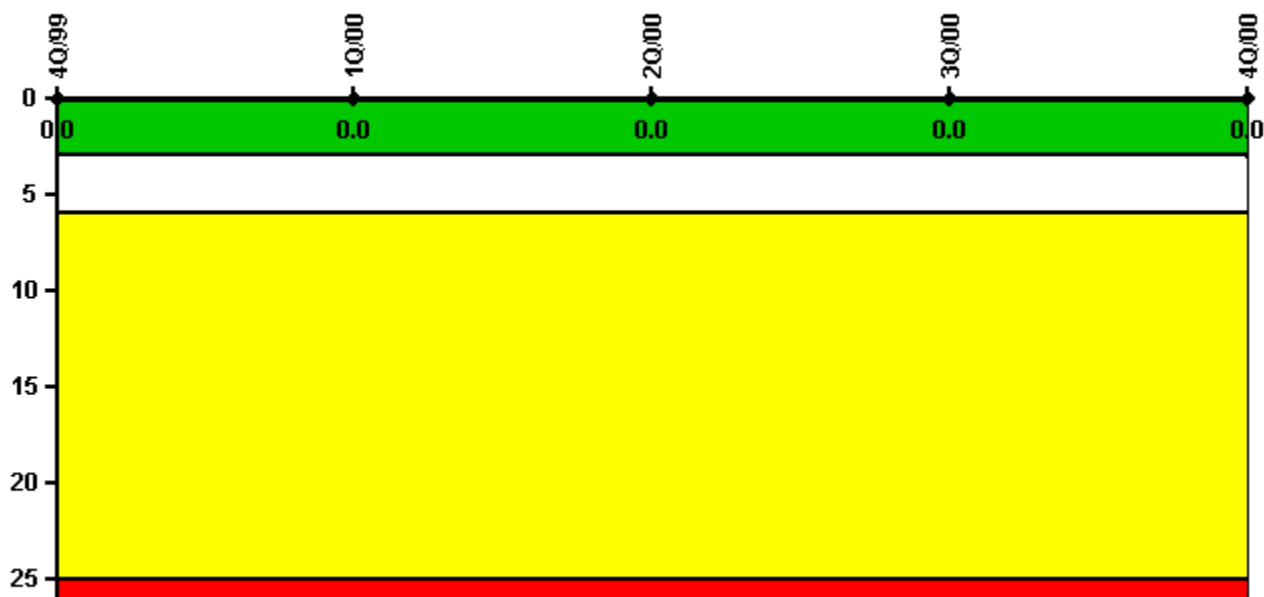
Last Modified: March 29, 2002

Perry 1

4Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



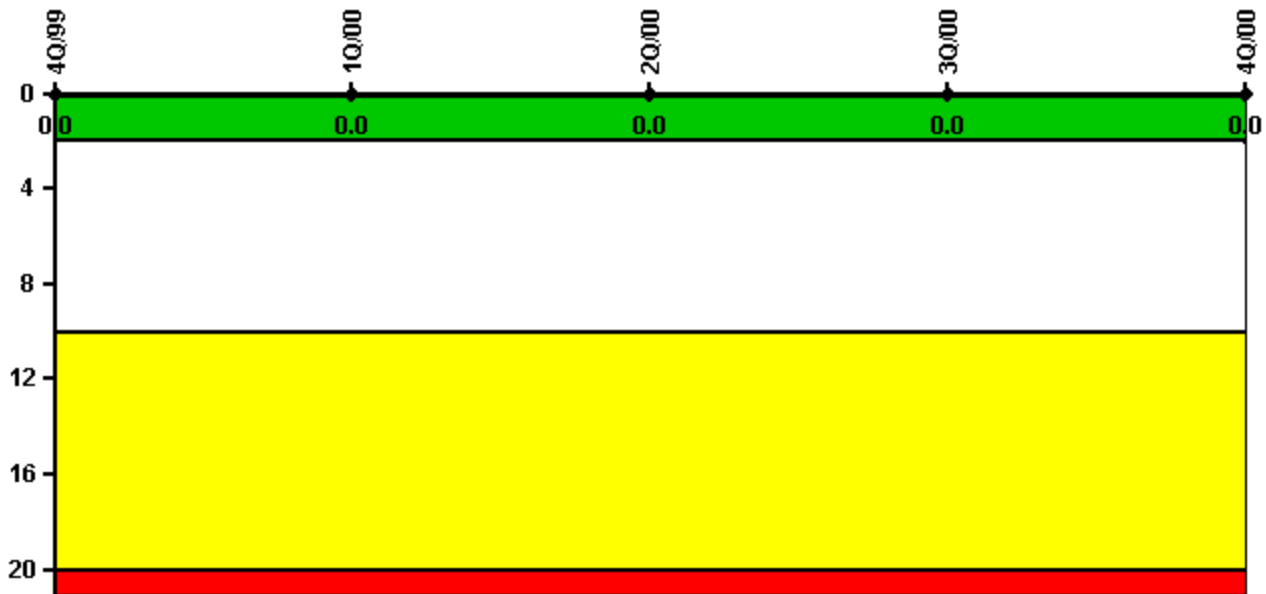
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2209.0	2184.0	1924.0	2208.0	2209.0
Indicator value	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



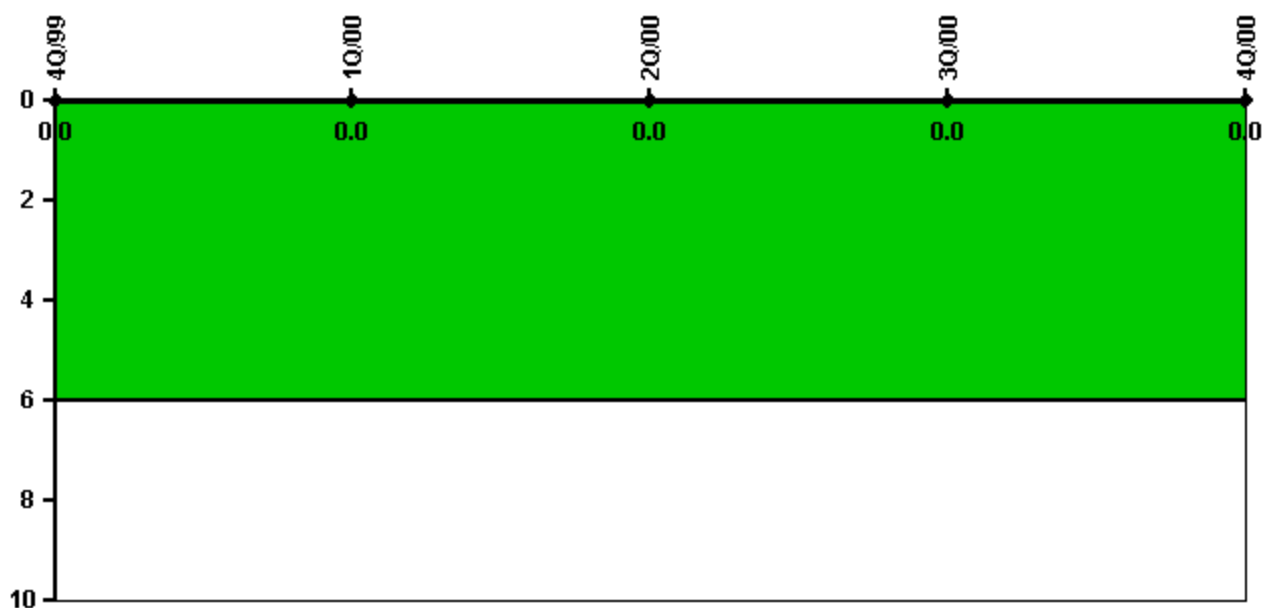
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



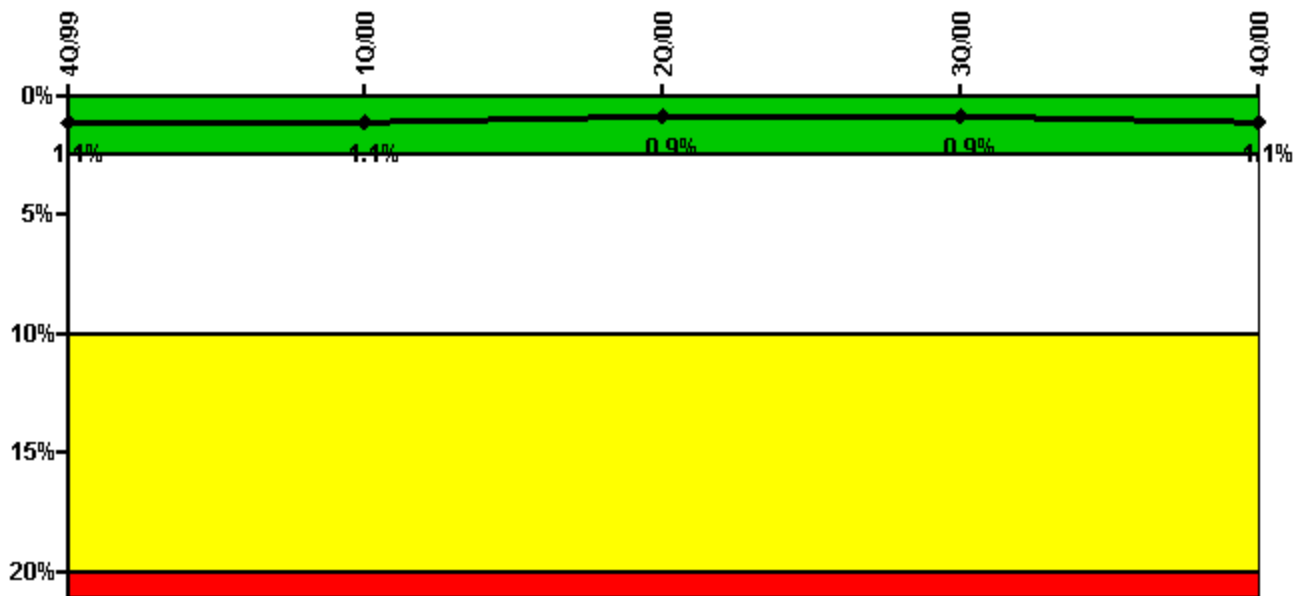
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2209.0	2184.0	1924.0	2208.0	2209.0
Indicator value	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



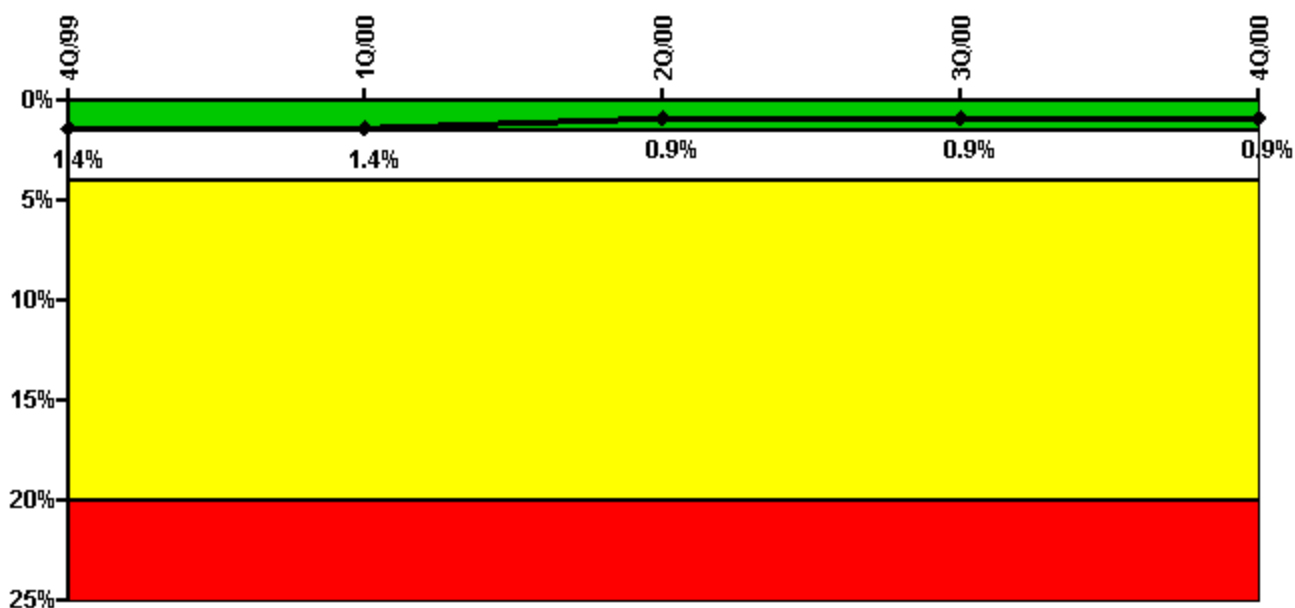
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	112.30	17.60	7.79	51.85	4.75
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	59.30	13.46	8.04	4.30	34.35
Unplanned unavailable hours	0	0	0	0	122.83
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	0	1.98	71.59	1.74	25.72
Unplanned unavailable hours	0	11.63	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
Indicator value	1.1%	1.1%	0.9%	0.9%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



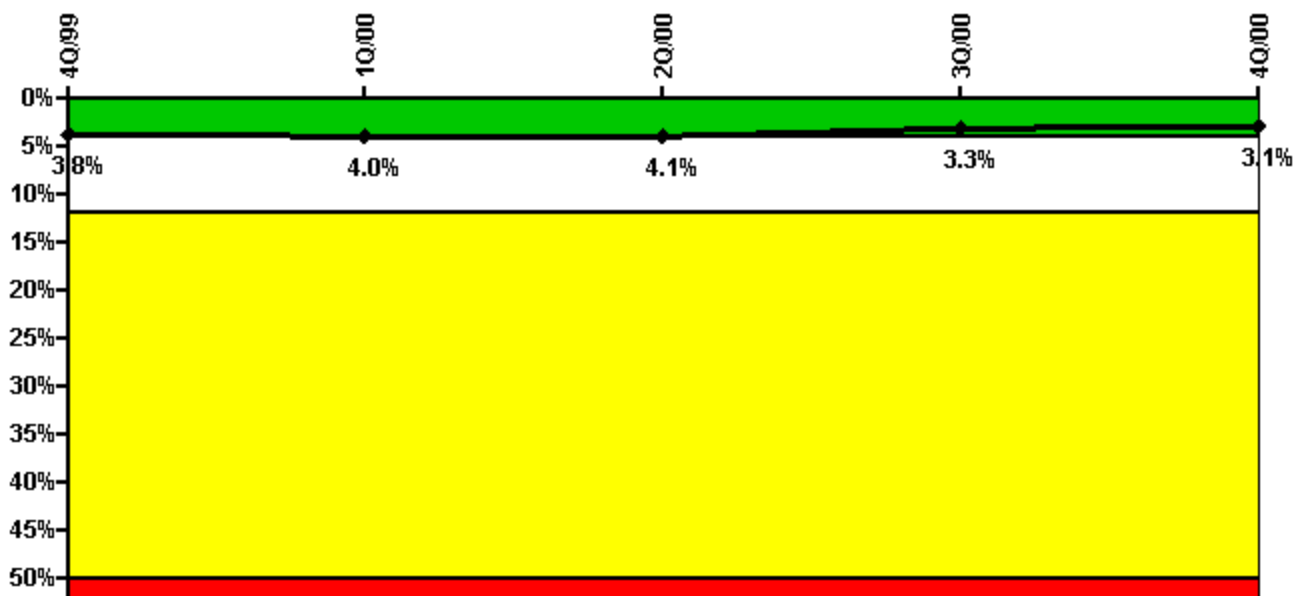
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0	1.18	52.40	1.50	9.07
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	1924.00	2208.00	2209.00
Indicator value	1.4%	1.4%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



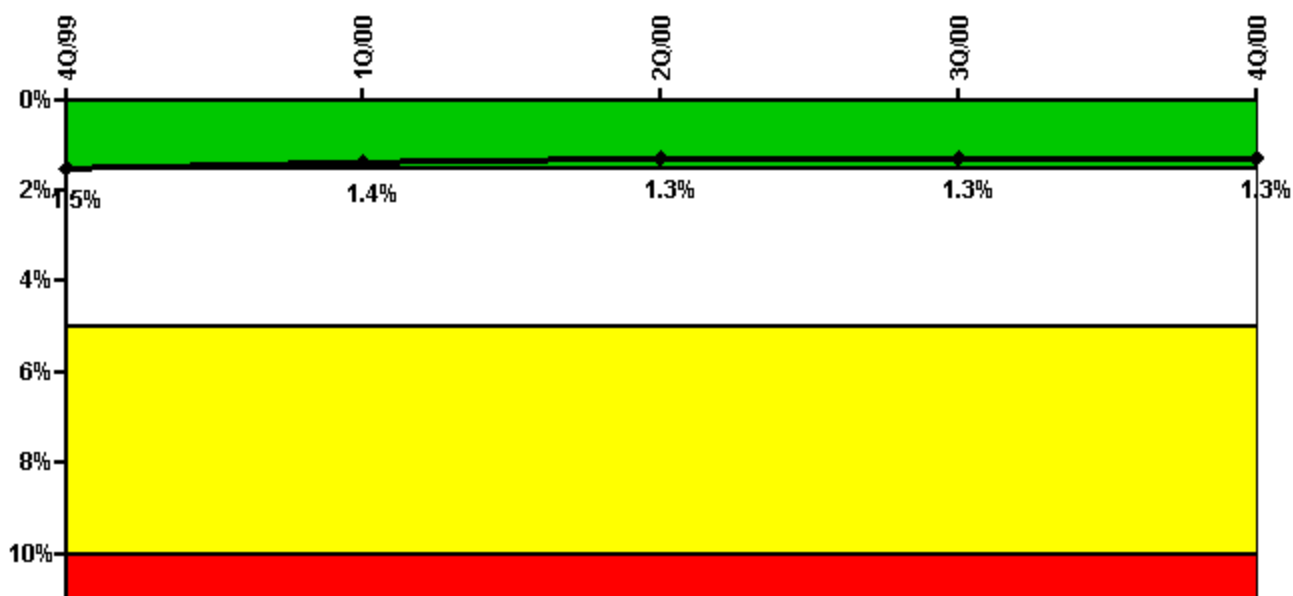
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0	72.33	2.60	60.92	16.56
Unplanned unavailable hours	0	7.80	29.20	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	1924.00	2208.00	2209.00
Indicator value	3.8%	4.0%	4.1%	3.3%	3.1%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



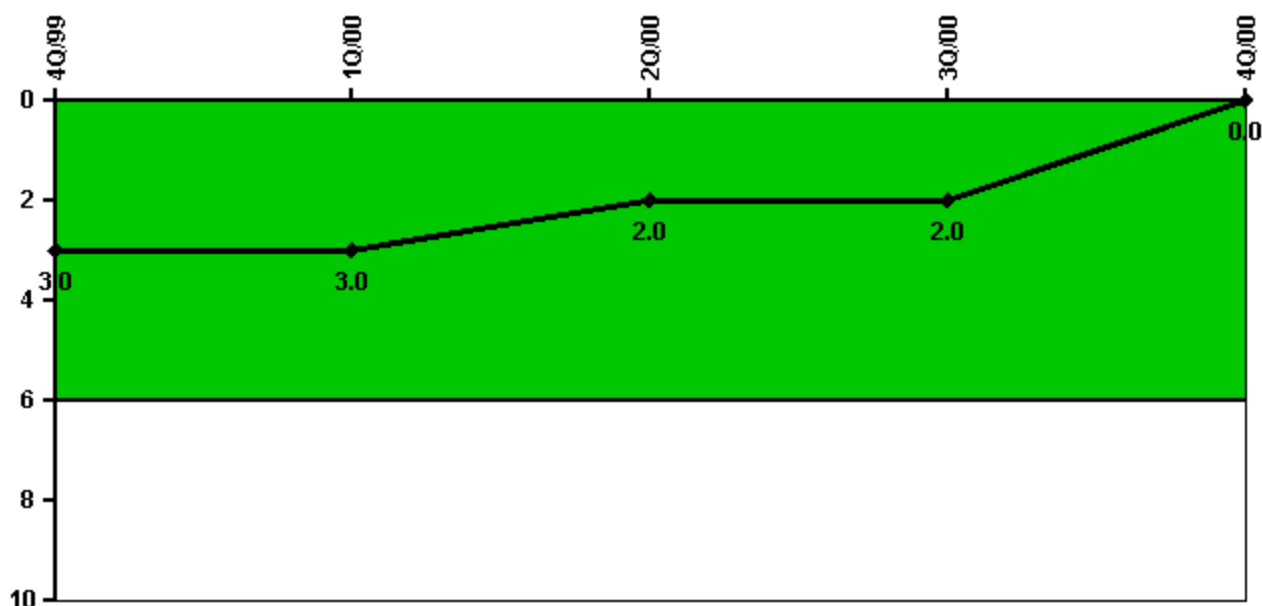
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0	3.07	6.46	84.67	15.28
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	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	136.00	14.70	1.32	12.80	50.50
Unplanned unavailable hours	0	0	0	0	11.92
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	1.5%	1.4%	1.3%	1.3%	1.3%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/00: Revised Data: For 12/2000 - An event involving Emergency Service Water operability was initially reported as a Loss of Safety Function as well as Outside the Design Basis (LER 2000-005). Subsequent analysis determined that no loss of safety function occurred and the LER was supplemented to retract that portion of the report (LER 2000-005-01). The NRC closed the LER in Inspection Report 2000-013, dated 12/11/01. Therefore, the SSFF that had been recorded for 12/2000 has been removed. This does not affect the indicator color.

Reactor Coolant System Activity



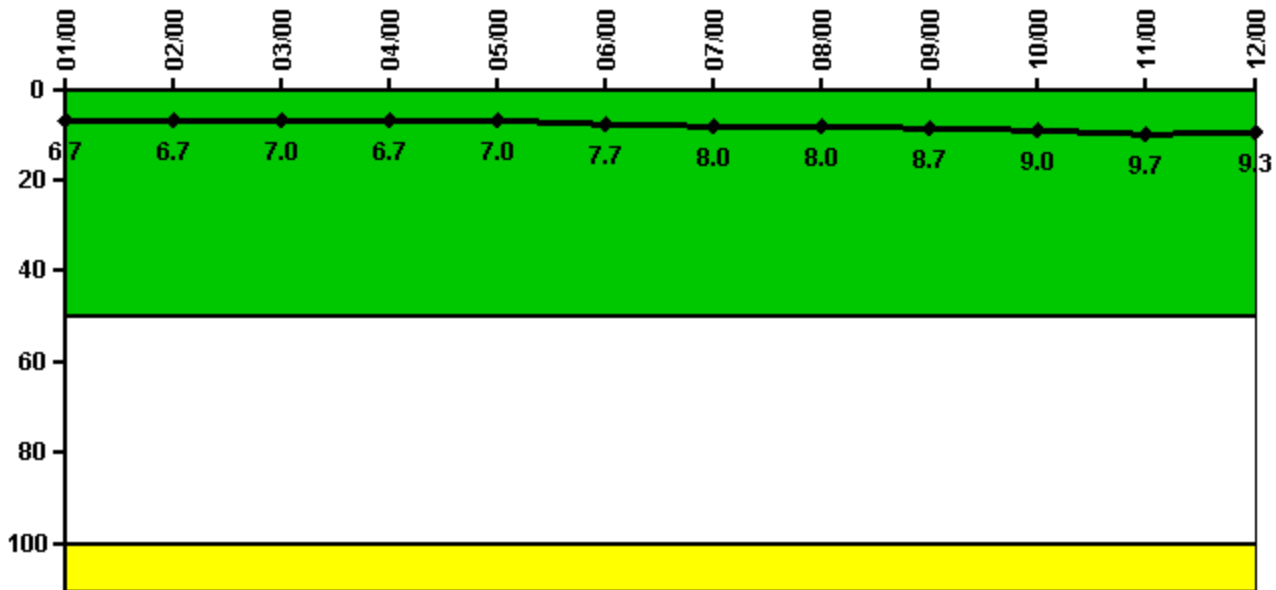
Thresholds: White > 50.0 Yellow > 100.0

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	0.000380	0.000613	0.000389	0.000561	0.000616	0.000778	0.000663	0.000777	0.000615	0.000653	0.001110	0.000656
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.6	0.3

Licensee Comments: none

Reactor Coolant System Leakage



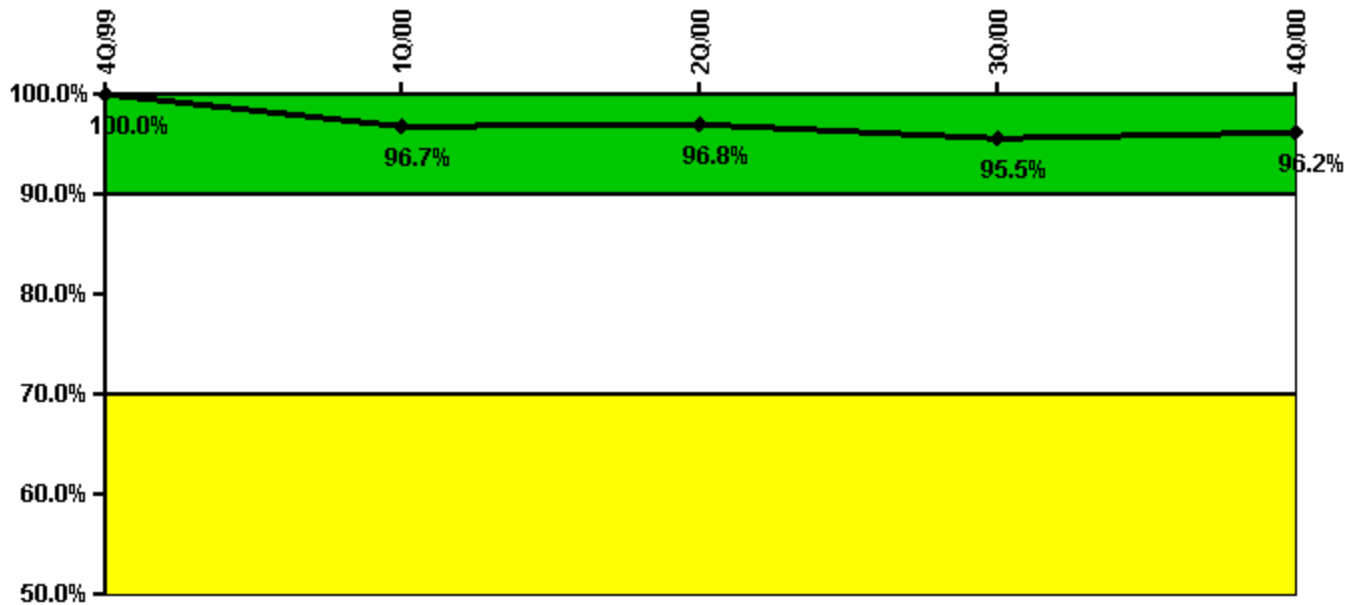
Thresholds: White > 50.0 Yellow > 100.0

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	2.000	2.000	2.100	2.000	2.100	2.300	2.400	2.400	2.600	2.700	2.900	2.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.7	7.0	6.7	7.0	7.7	8.0	8.0	8.7	9.0	9.7	9.3

Licensee Comments: none

Drill/Exercise Performance



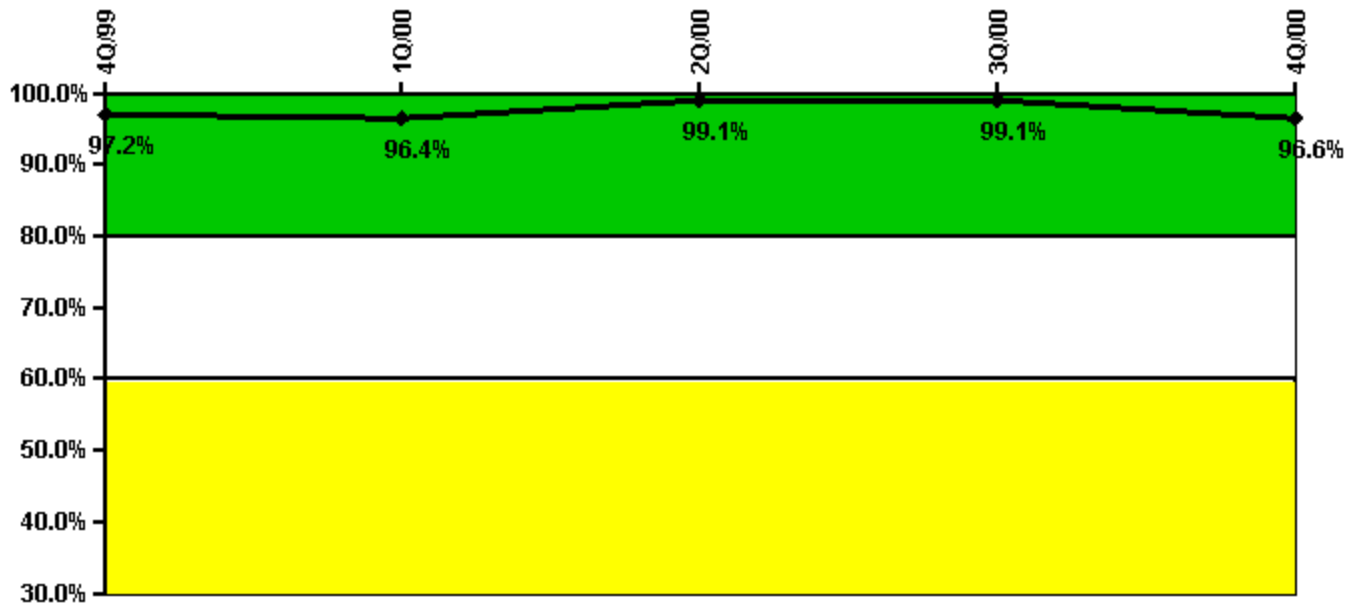
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	15.0	23.0	32.0	14.0	45.0
Total opportunities	15.0	25.0	33.0	16.0	46.0
Indicator value	100.0%	96.7%	96.8%	95.5%	96.2%

Licensee Comments: none

ERO Drill Participation



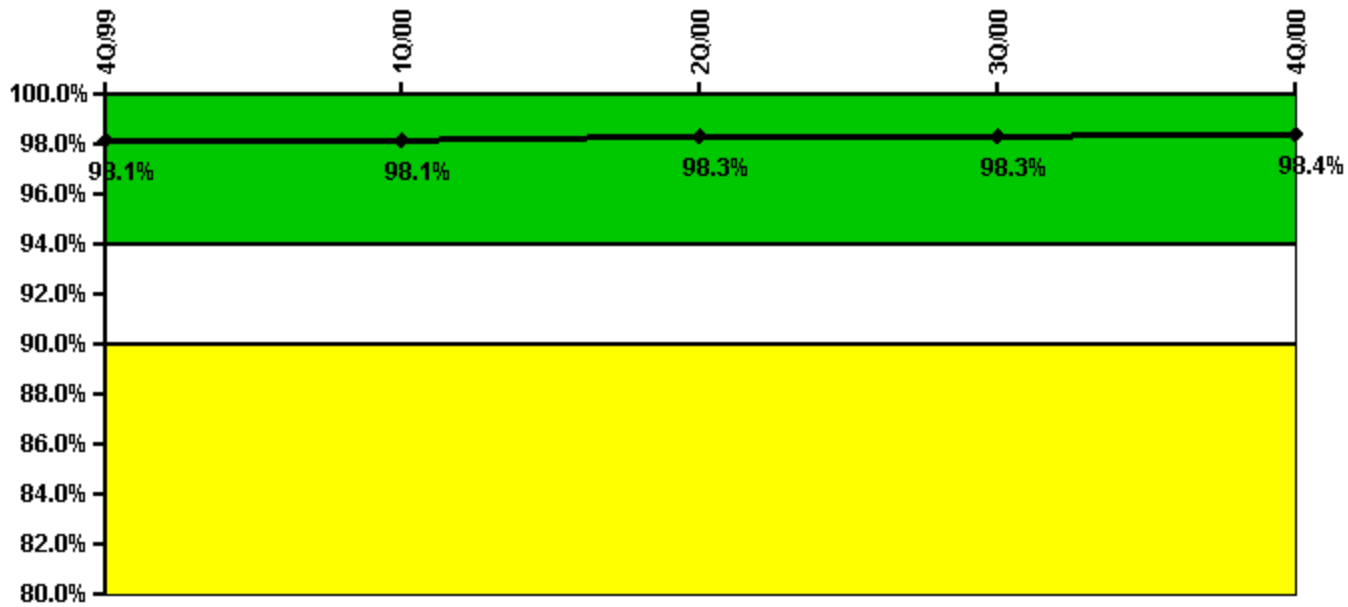
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	105.0	106.0	109.0	105.0	113.0
Total Key personnel	108.0	110.0	110.0	106.0	117.0
Indicator value	97.2%	96.4%	99.1%	99.1%	96.6%

Licensee Comments: none

Alert & Notification System



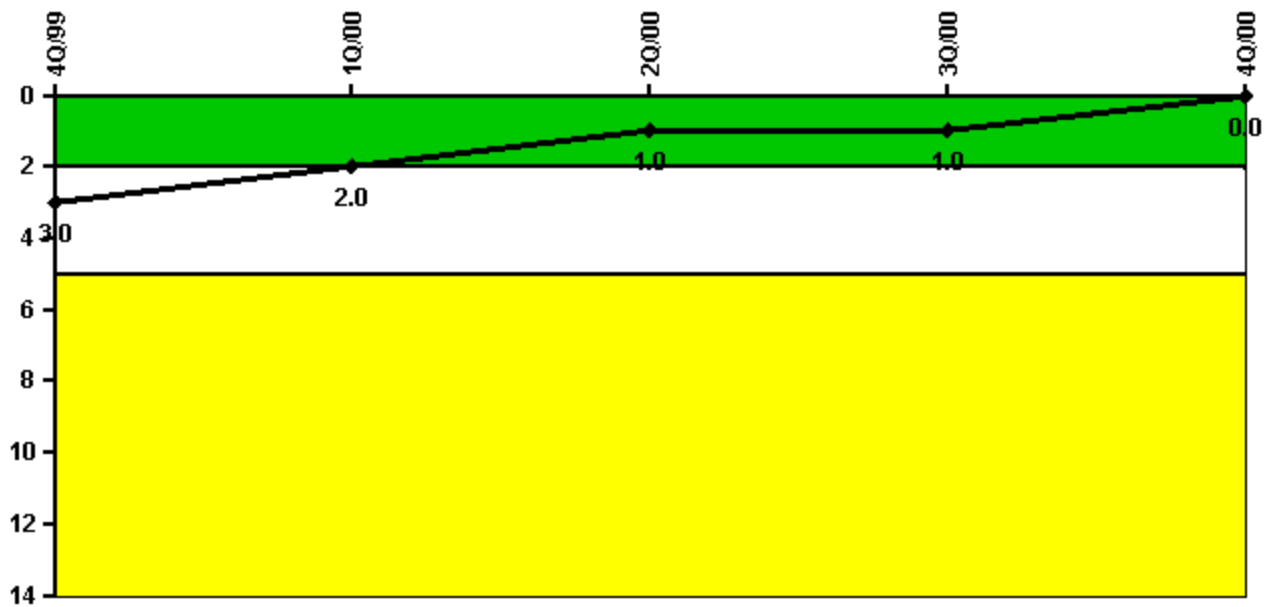
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	520	525	526	521	523
Total sirens-tests	532	532	532	532	532
Indicator value	98.1%	98.1%	98.3%	98.3%	98.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



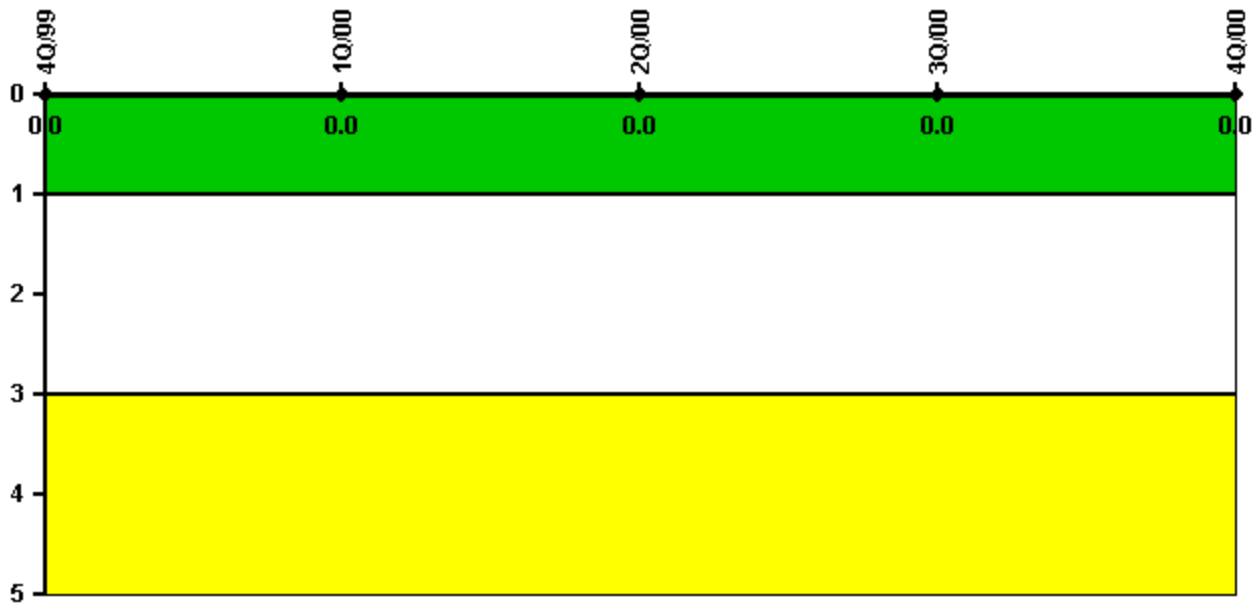
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



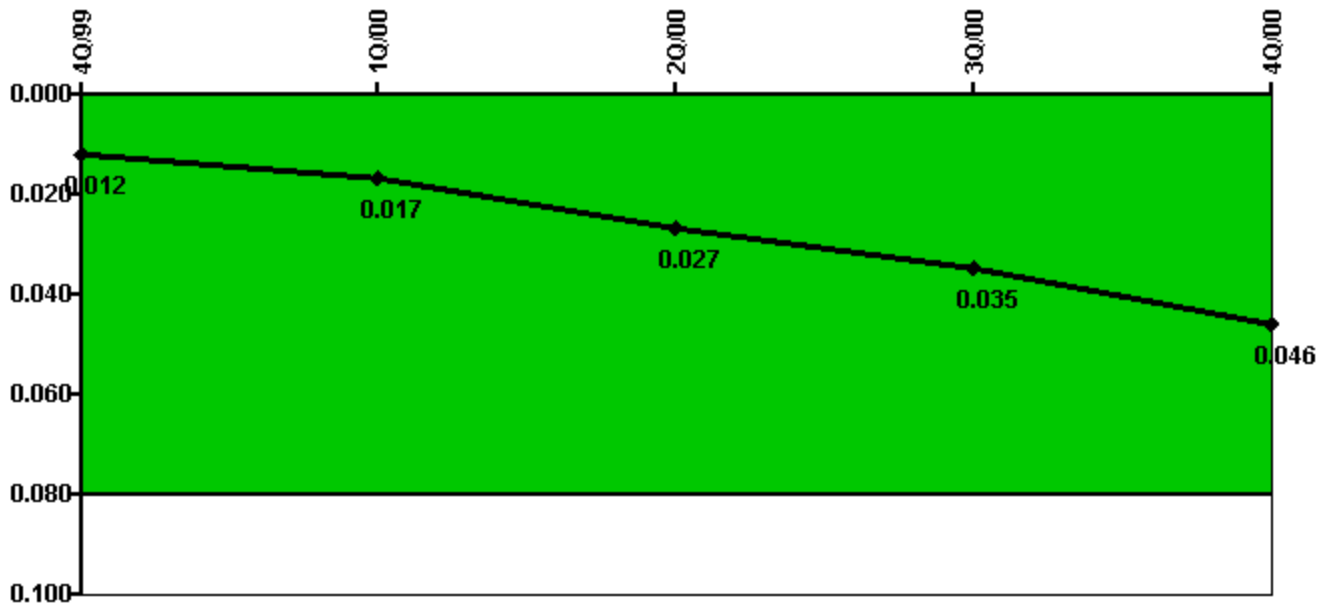
Thresholds: White > 1.0 Yellow > 3.0

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



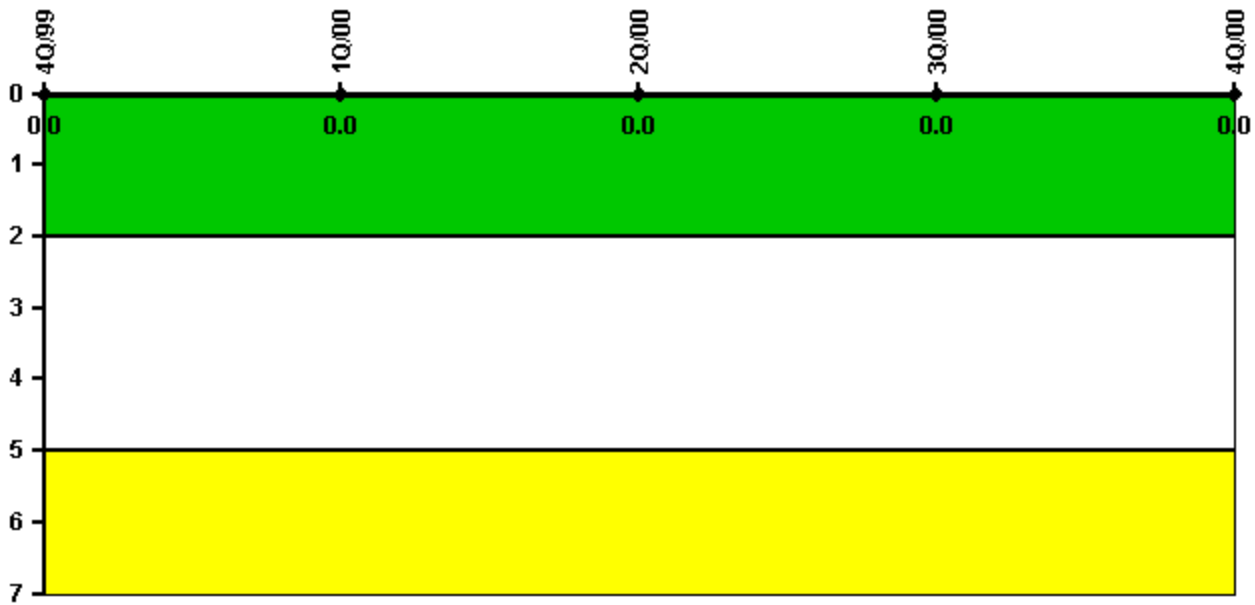
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	34.70	143.80	263.20	221.30	208.70
CCTV compensatory hours	6.8	2.8	0	6.0	36.2
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.012	0.017	0.027	0.035	0.046

Licensee Comments: none

Personnel Screening Program



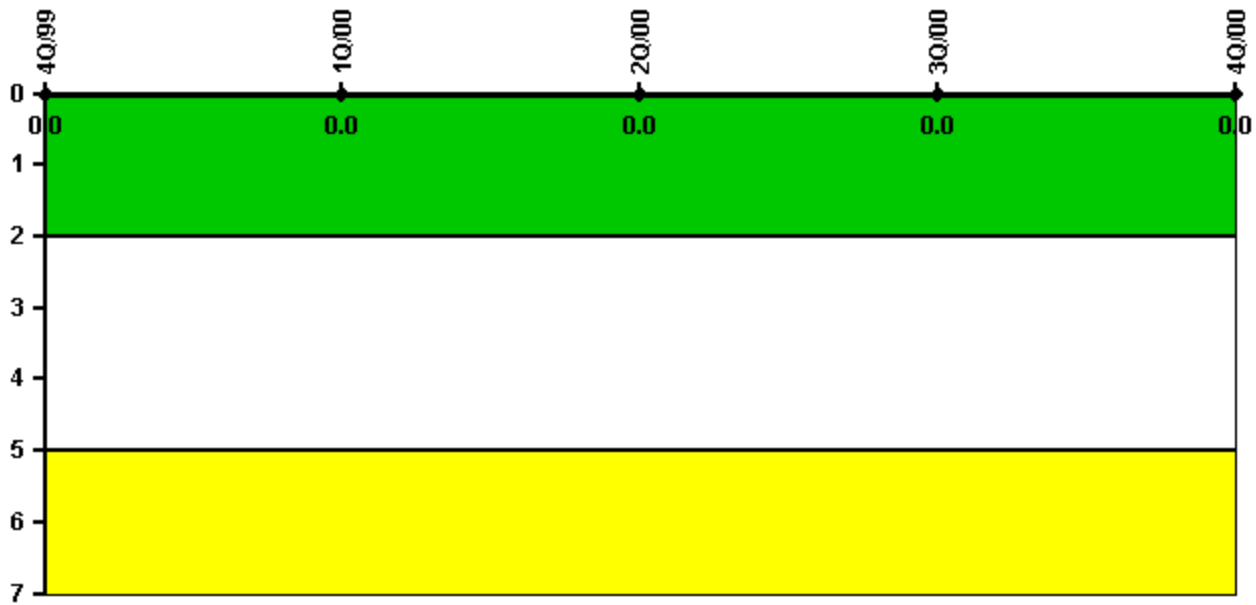
Thresholds: White > 2.0 Yellow > 5.0

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

Perry 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	0	0	0	0	0	0
Critical hours	2209.0	2184.0	1924.0	2208.0	2209.0	1380.6
Indicator value	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



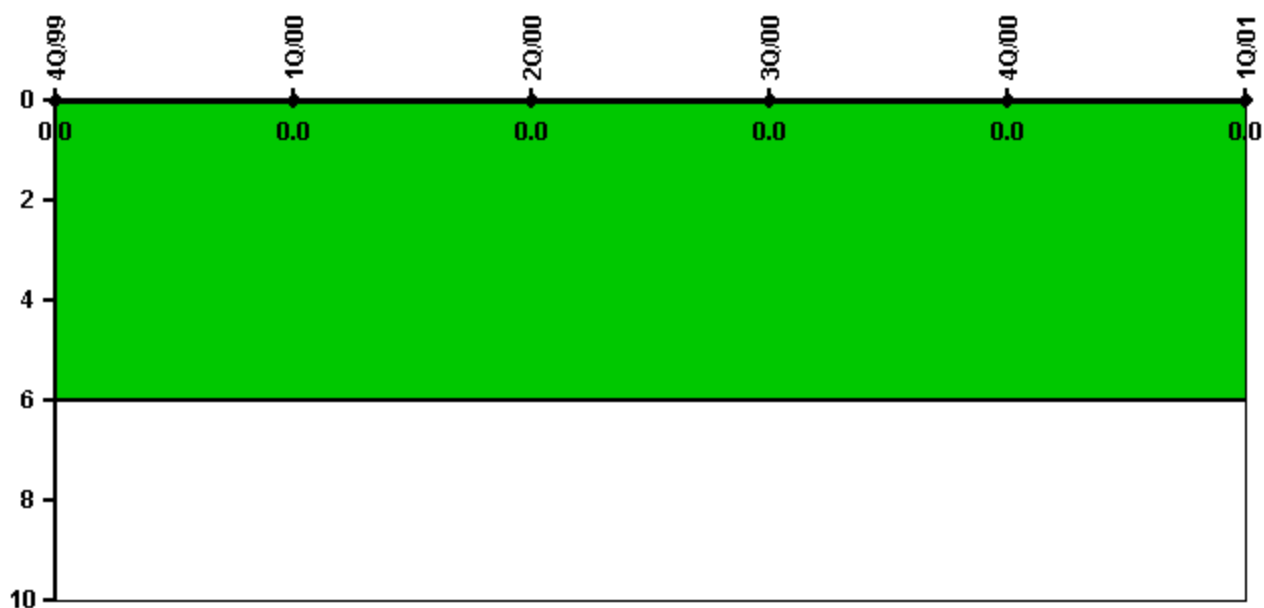
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



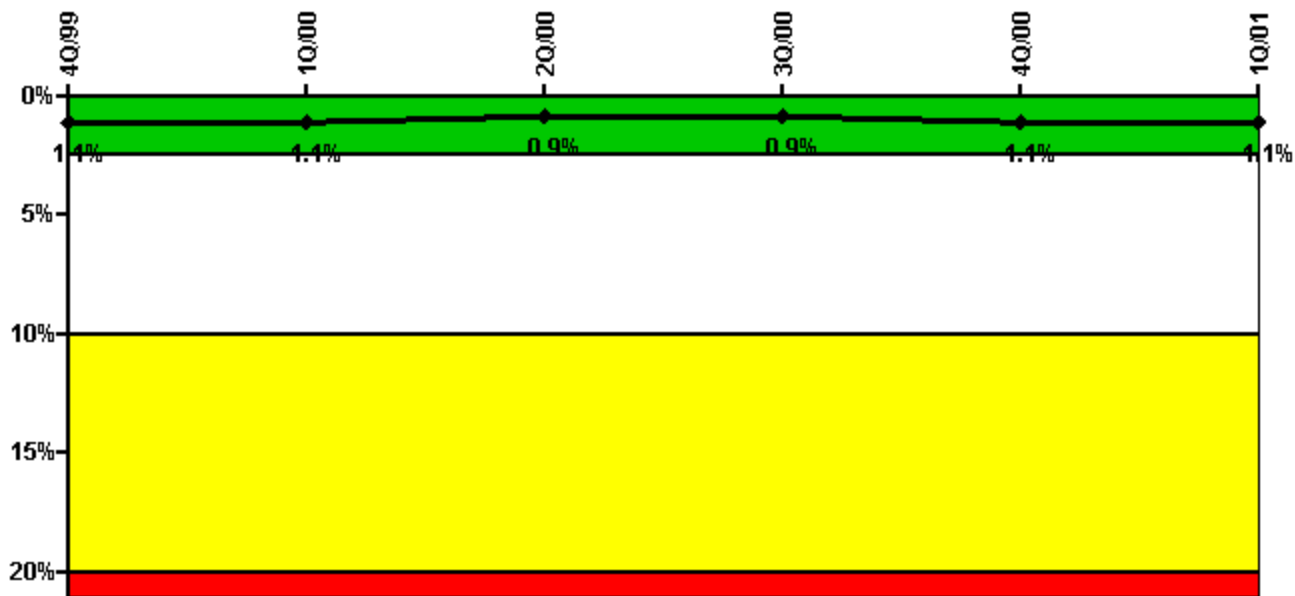
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	0
Critical hours	2209.0	2184.0	1924.0	2208.0	2209.0	1380.6
Indicator value	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



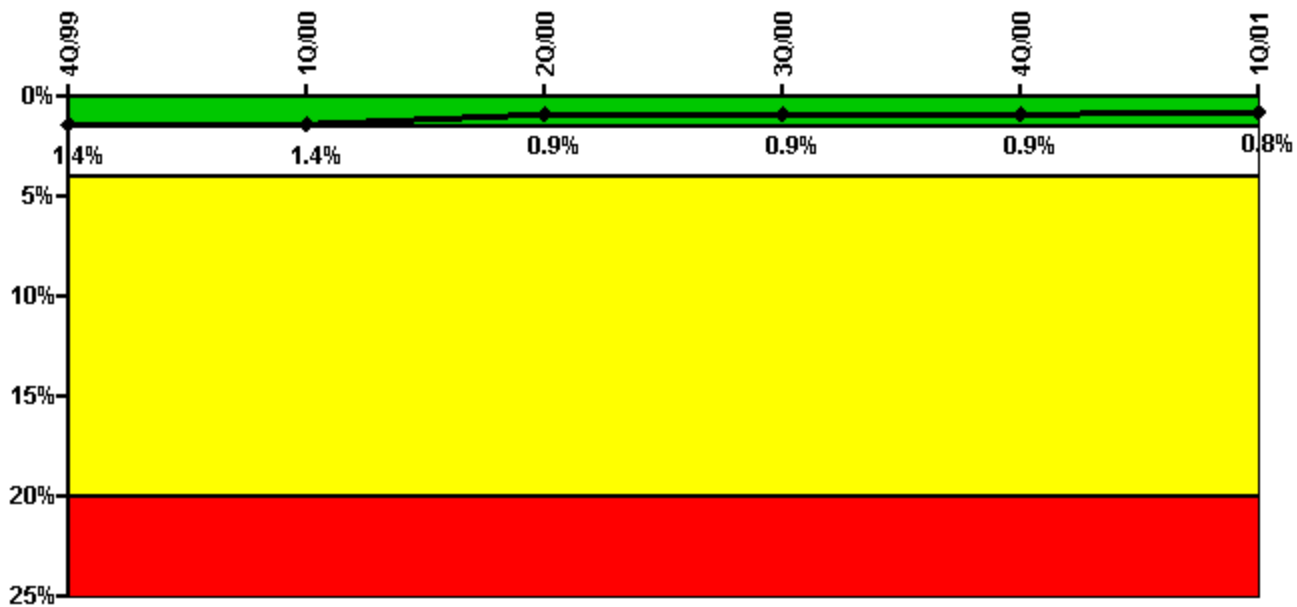
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	112.30	17.60	7.79	51.85	4.75	6.97
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	59.30	13.46	8.04	4.30	34.35	14.57
Unplanned unavailable hours	0	0	0	0	122.83	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 3						
Planned unavailable hours	0	1.98	71.59	1.74	25.72	1.00
Unplanned unavailable hours	0	11.63	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
Indicator value	1.1%	1.1%	0.9%	0.9%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



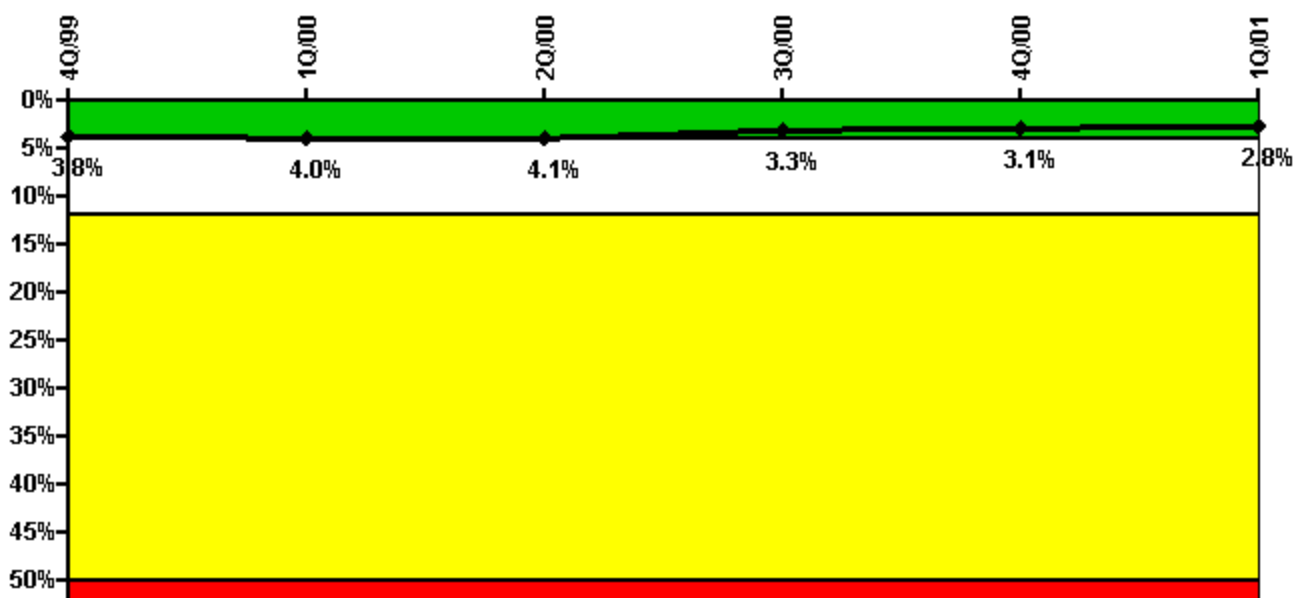
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0	1.18	52.40	1.50	9.07	1.18
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	1924.00	2208.00	2209.00	1380.60
Indicator value	1.4%	1.4%	0.9%	0.9%	0.9%	0.8%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

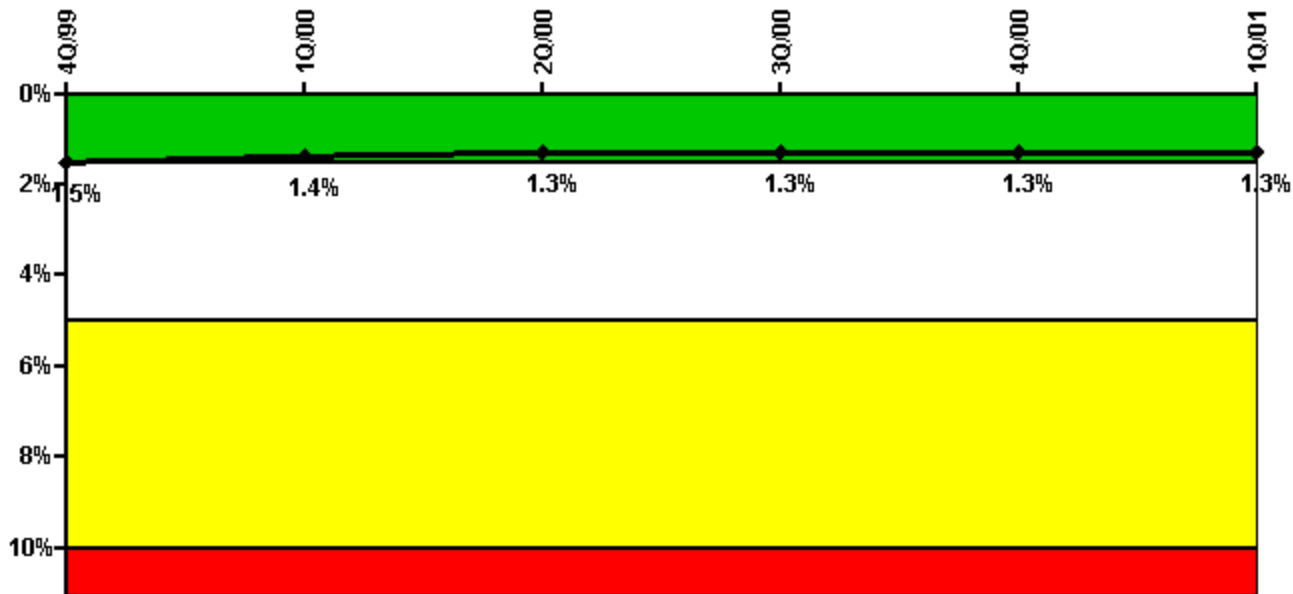
Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0	72.33	2.60	60.92	16.56	60.75
Unplanned unavailable hours	0	7.80	29.20	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	1924.00	2208.00	2209.00	1380.60
Indicator value	3.8%	4.0%	4.1%	3.3%	3.1%	2.8%

Licensee Comments:

1Q/01: Revised Data: For 01/2001, removed 46.0 unavailable hours due to reclassification of time as planned overhaul maintenance meeting criteria of NEI 99-02 and FAQ. This does not affect the indicator color. For 03/2001, removed 6.13 unavailable hours to correct hours assessed when RCIC is not required during plant startup. This does not affect the indicator color.

Safety System Unavailability, Residual Heat Removal System



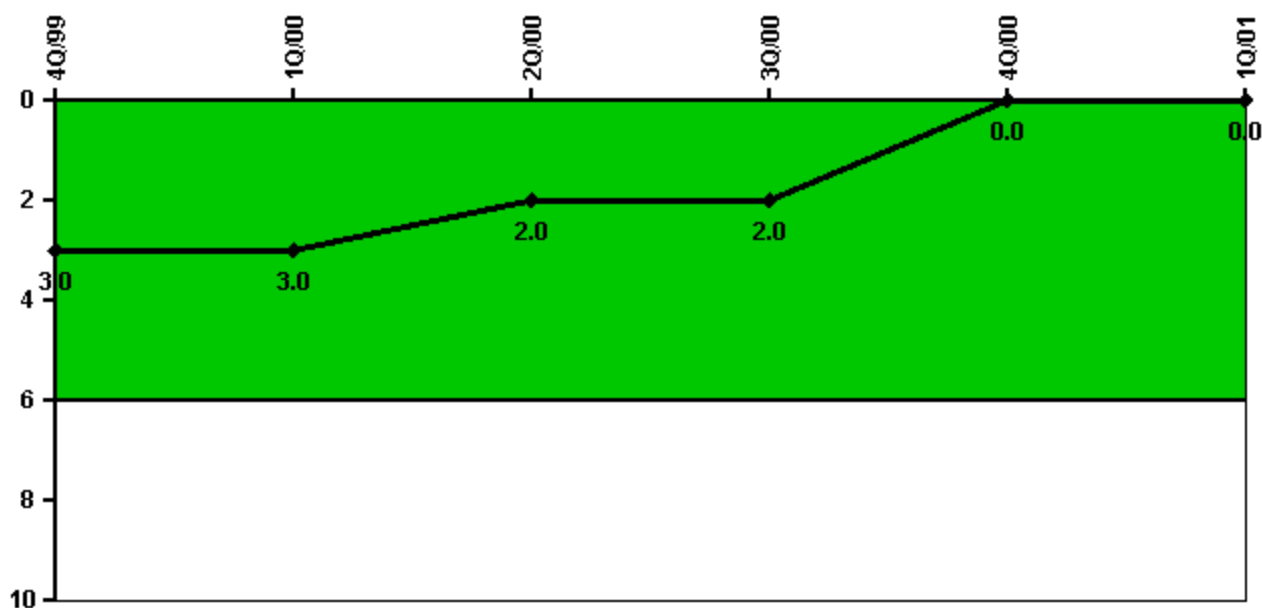
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0	3.07	6.46	84.67	15.28	3.65
Unplanned unavailable hours	0	0	0	0	0	0.85
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	136.00	14.70	1.32	12.80	50.50	0.50
Unplanned unavailable hours	0	0	0	0	11.92	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
Indicator value	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

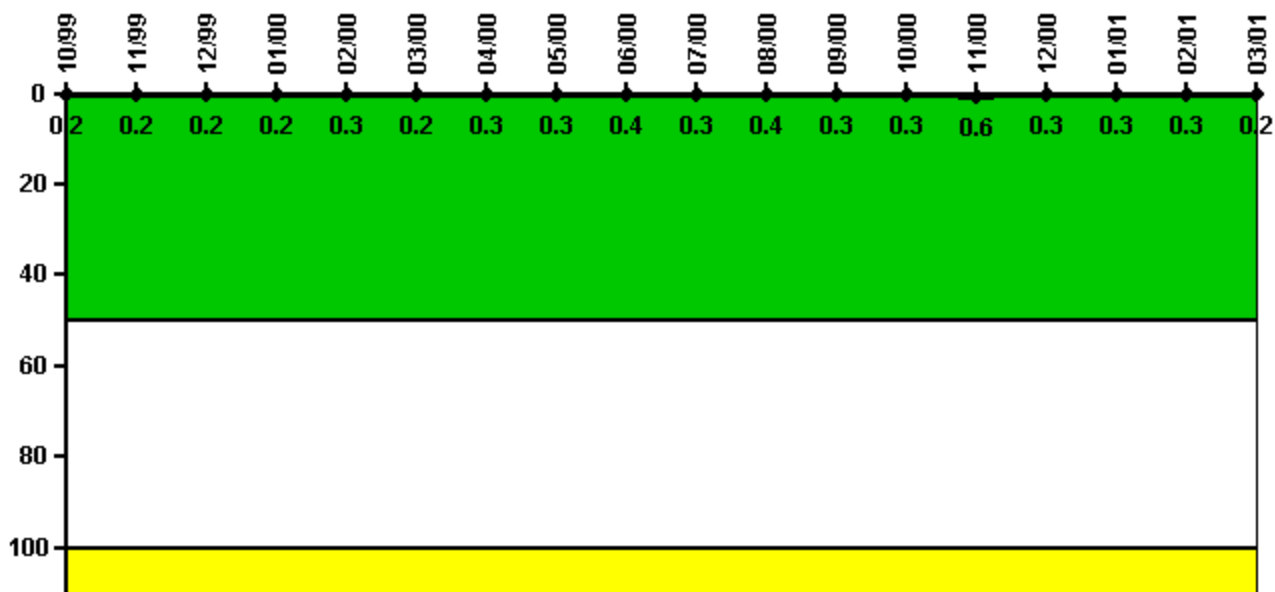
Notes

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

Licensee Comments:

4Q/00: Revised Data: For 12/2000 - An event involving Emergency Service Water operability was initially reported as a Loss of Safety Function as well as Outside the Design Basis (LER 2000-005). Subsequent analysis determined that no loss of safety function occurred and the LER was supplemented to retract that portion of the report (LER 2000-005-01). The NRC closed the LER in Inspection Report 2000-013, dated 12/11/01. Therefore, the SSFF that had been recorded for 12/2000 has been removed. This does not affect the indicator color.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

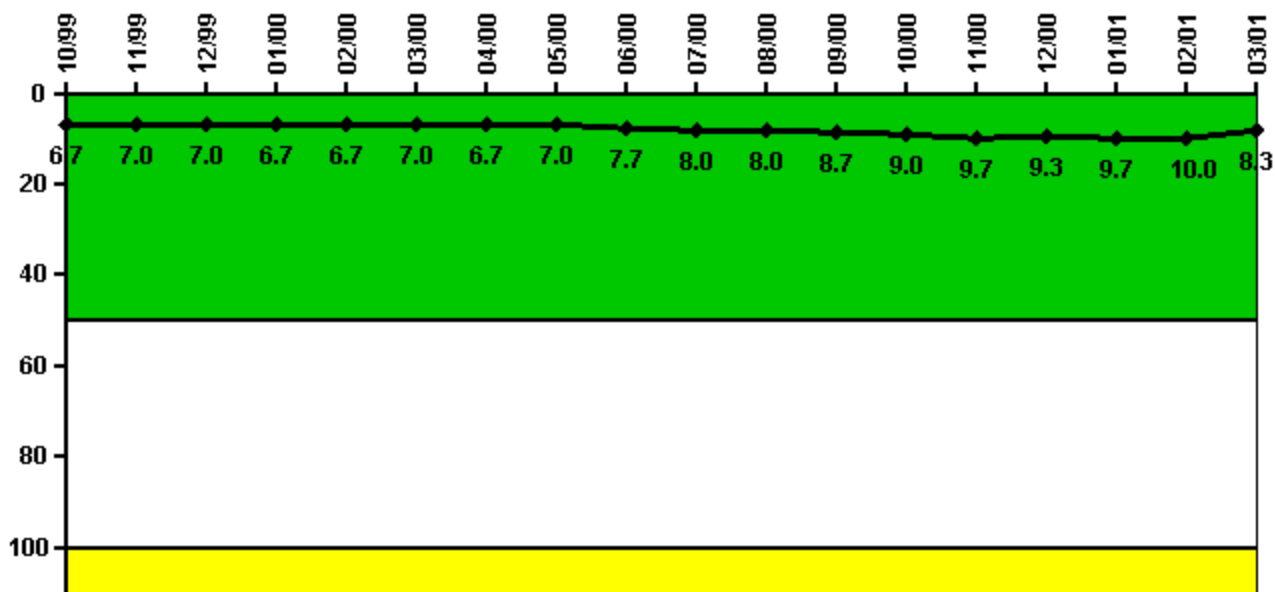
Notes

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	0.000354	0.000338	0.000349	0.000380	0.000613	0.000389	0.000561	0.000616	0.000778	0.000663	0.000777	0.000615
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000653	0.001110	0.000656	0.000635	0.000595	0.000437
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.6	0.3	0.3	0.3	0.2

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

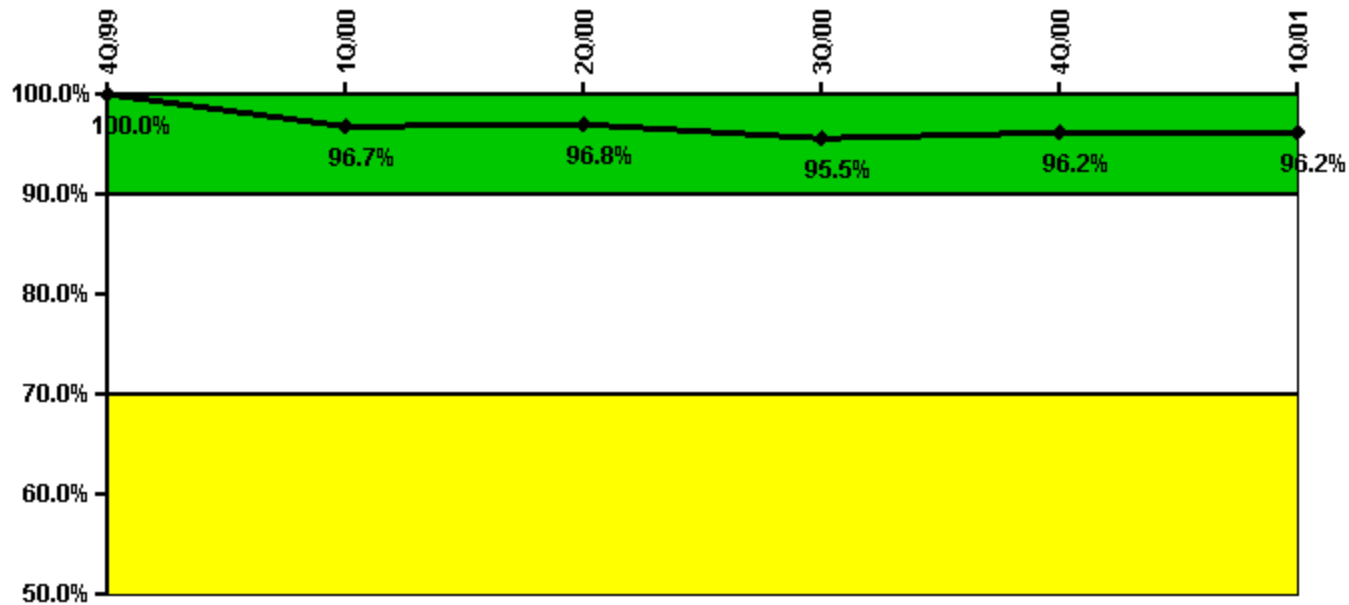
Notes

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	2.000	2.100	2.100	2.000	2.000	2.100	2.000	2.100	2.300	2.400	2.400	2.600
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	7.0	7.0	6.7	6.7	7.0	6.7	7.0	7.7	8.0	8.0	8.7

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	2.700	2.900	2.800	2.900	3.000	2.500
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.0	9.7	9.3	9.7	10.0	8.3

Licensee Comments: none

Drill/Exercise Performance



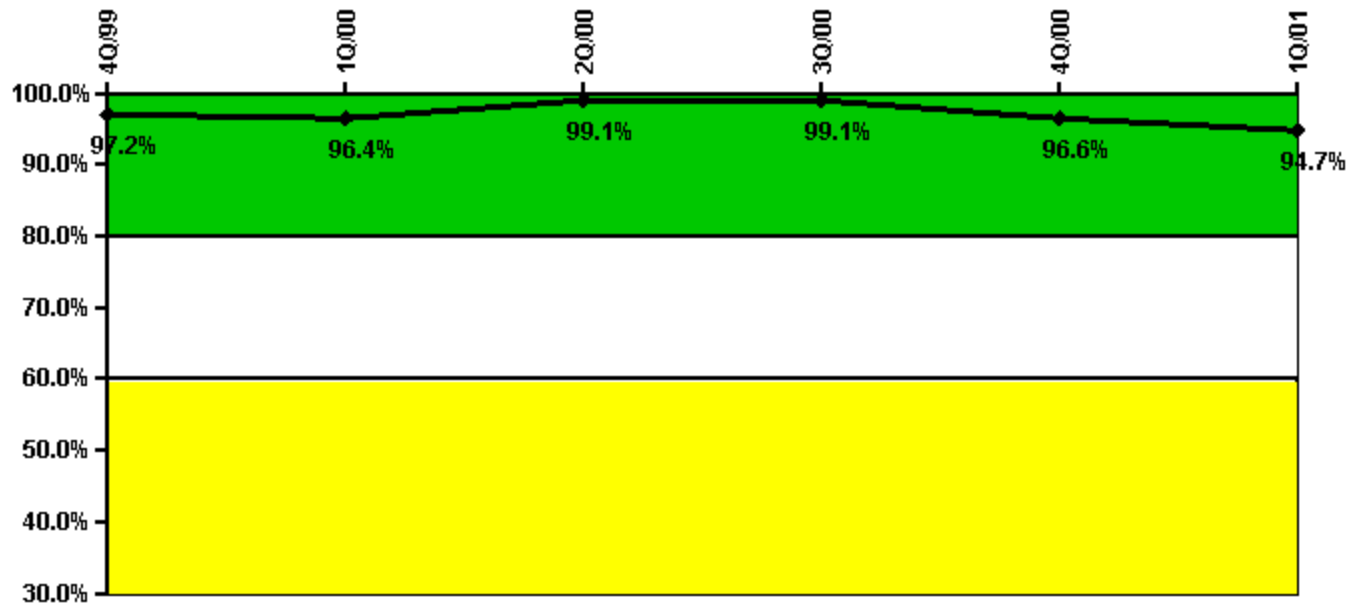
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	15.0	23.0	32.0	14.0	45.0	0
Total opportunities	15.0	25.0	33.0	16.0	46.0	0
Indicator value	100.0%	96.7%	96.8%	95.5%	96.2%	96.2%

Licensee Comments: none

ERO Drill Participation



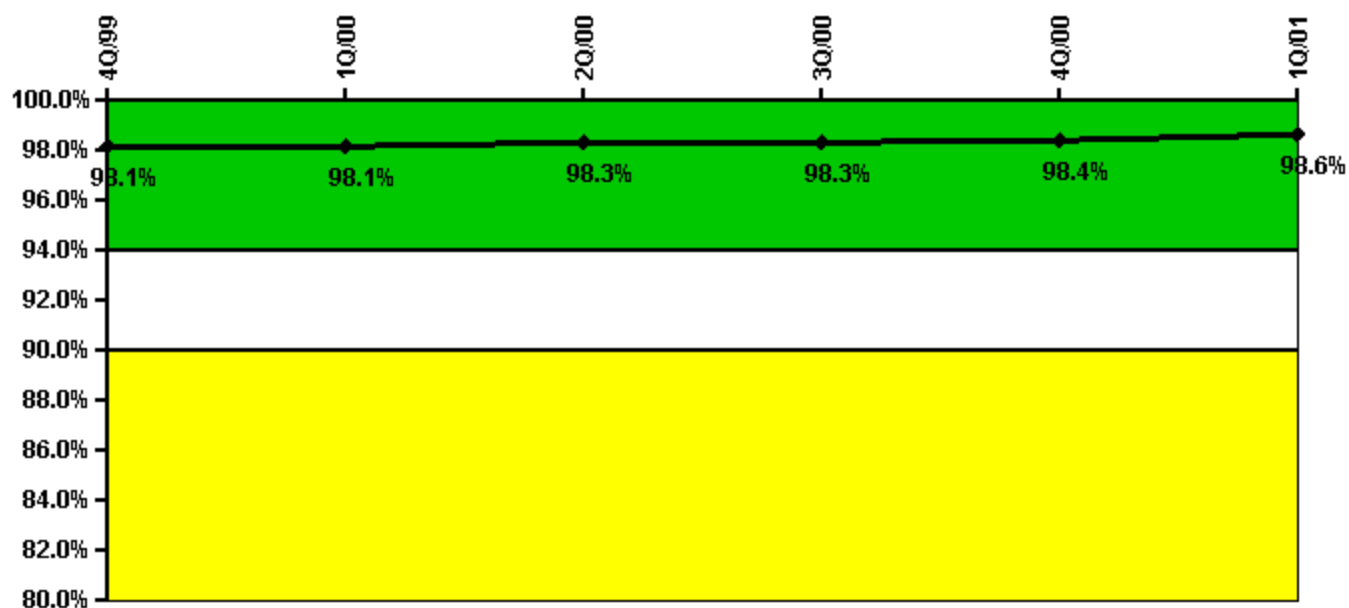
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	105.0	106.0	109.0	105.0	113.0	107.0
Total Key personnel	108.0	110.0	110.0	106.0	117.0	113.0
Indicator value	97.2%	96.4%	99.1%	99.1%	96.6%	94.7%

Licensee Comments: none

Alert & Notification System



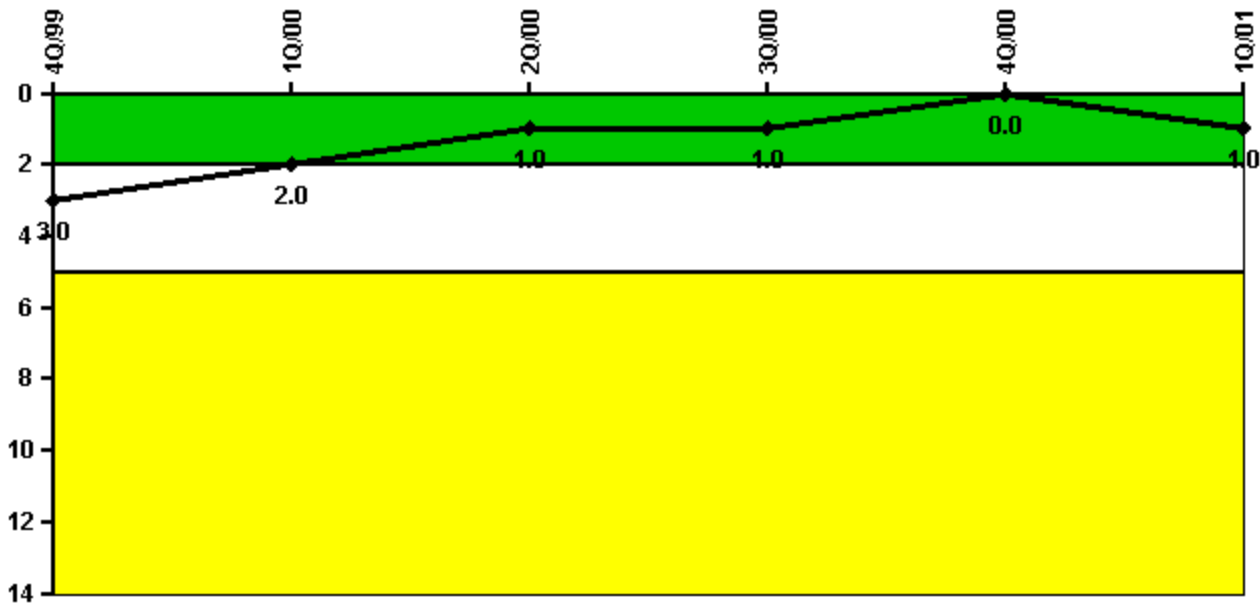
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	520	525	526	521	523	528
Total sirens-tests	532	532	532	532	532	532
Indicator value	98.1%	98.1%	98.3%	98.3%	98.4%	98.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



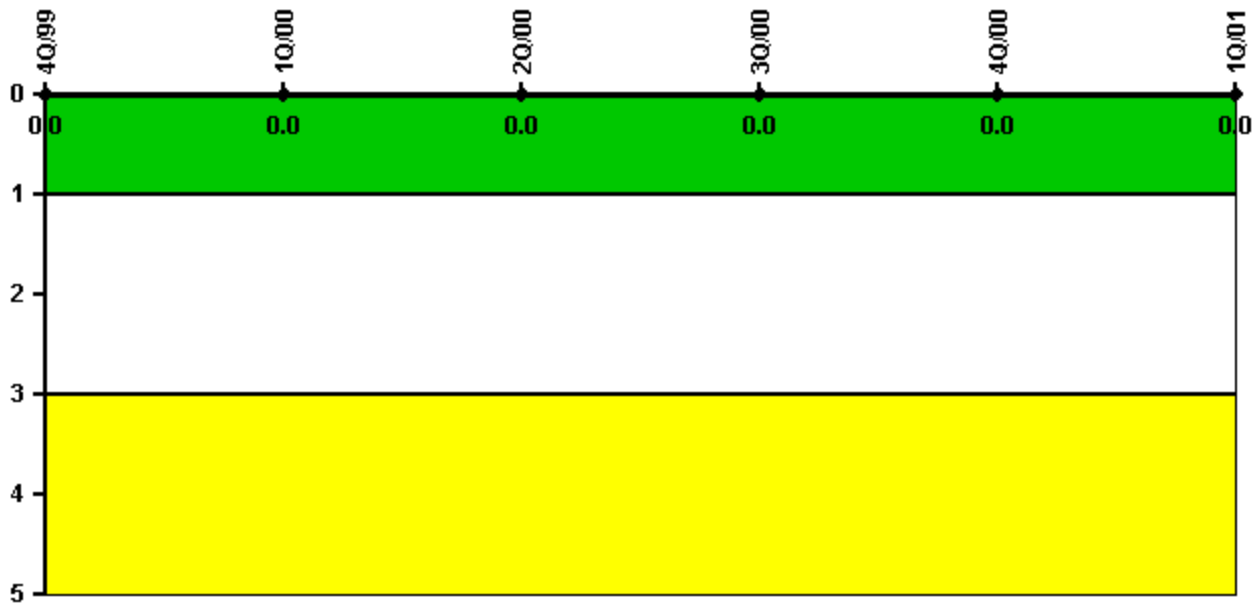
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments:

1Q/01: Revised Data: For 03/2001, the Very High Radiation Occurrence was reclassified not meeting the reporting threshold because the involved area was inaccessible to personnel. This change does not affect the indicator color.

RETS/ODCM Radiological Effluent

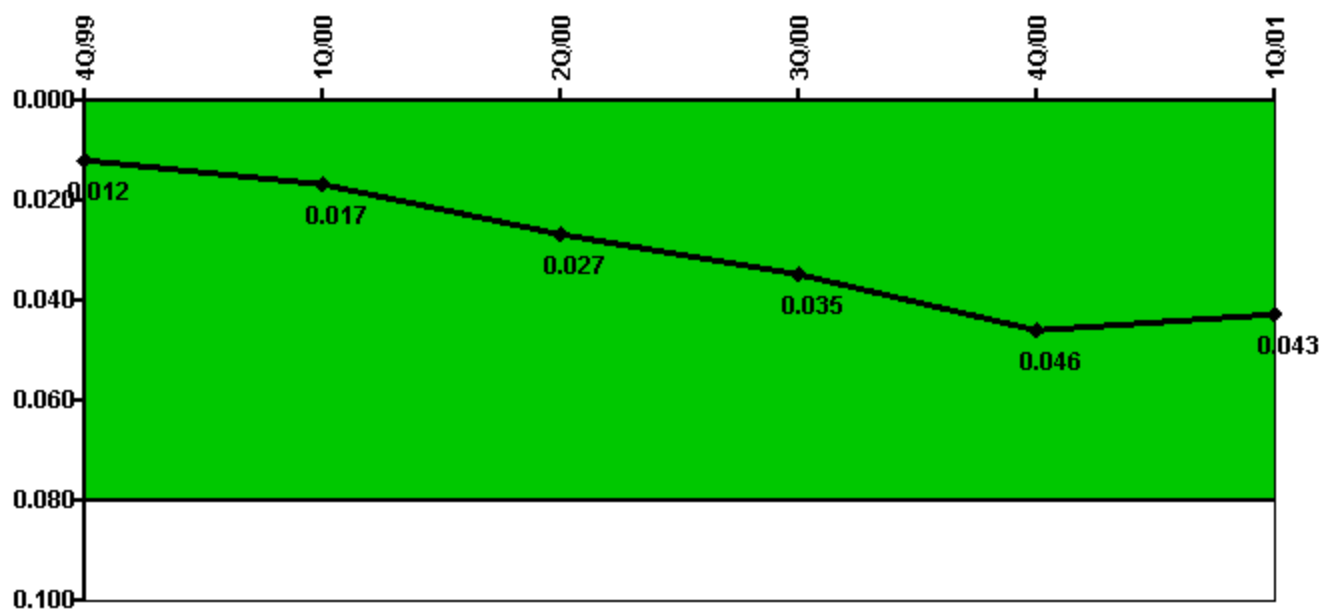
Thresholds: White > 1.0 Yellow > 3.0

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	34.70	143.80	263.20	221.30	208.70	59.40
CCTV compensatory hours	6.8	2.8	0	6.0	36.2	28.5
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.012	0.017	0.027	0.035	0.046	0.043

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](#)

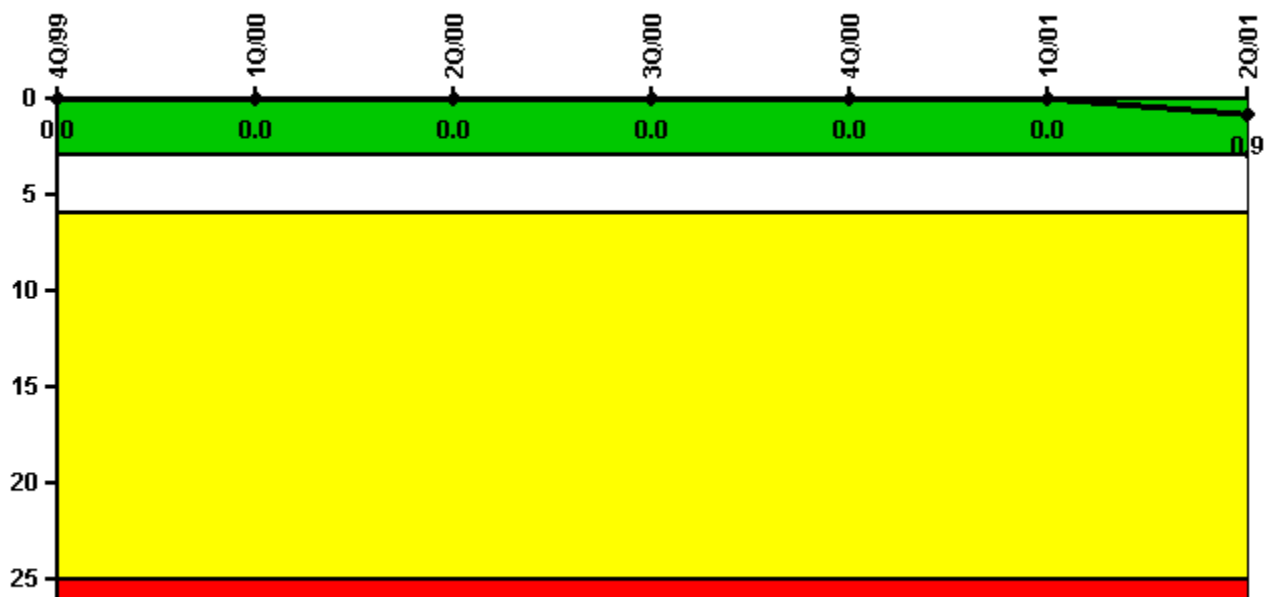
Last Modified: March 28, 2002

Perry 1

2Q/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
Unplanned scrams	0	0	0	0	0	0	1.0
Critical hours	2209.0	2184.0	1924.0	2208.0	2209.0	1380.6	1640.9
Indicator value	0	0	0	0	0	0	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



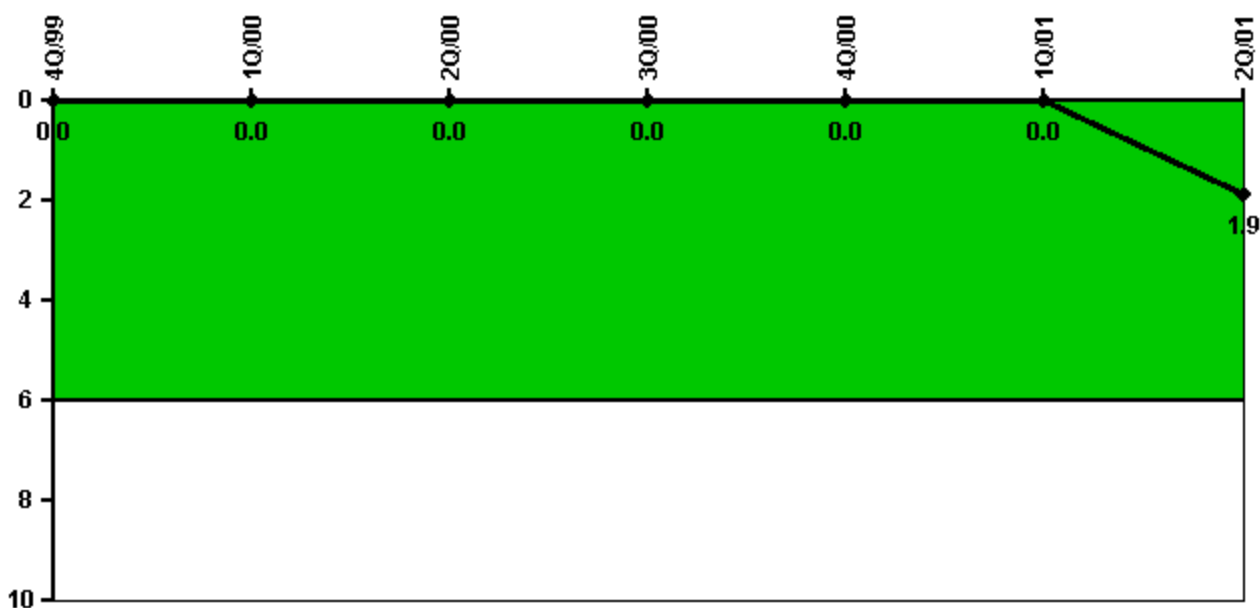
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

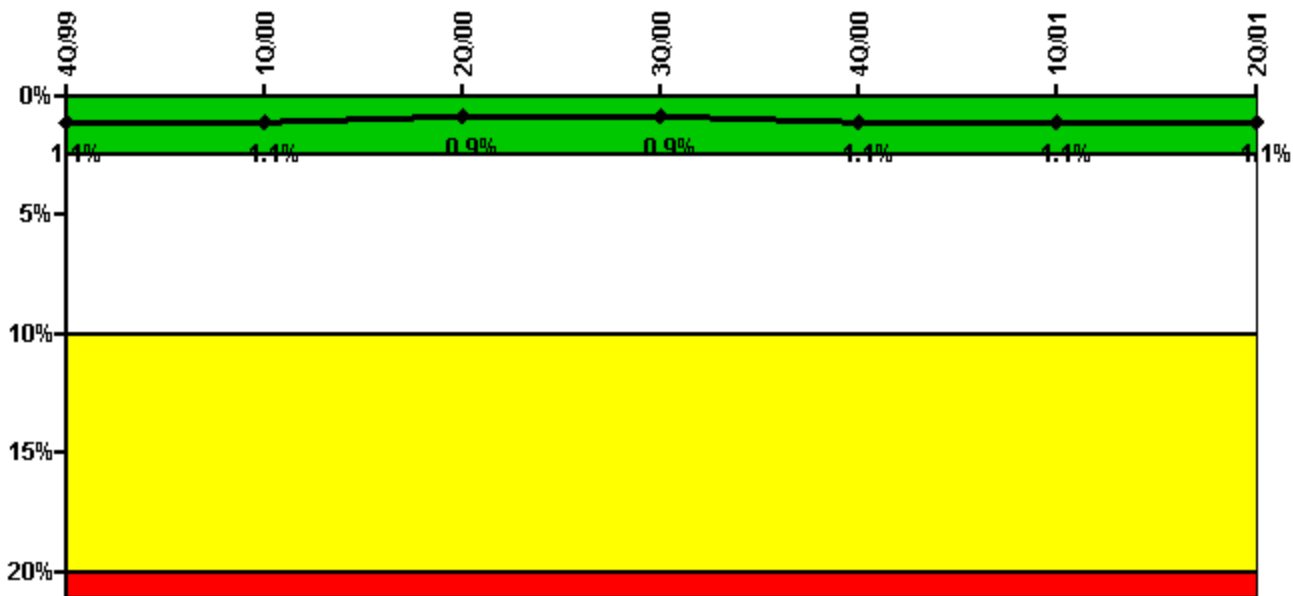
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	0	0	0	0	2.0
Critical hours	2209.0	2184.0	1924.0	2208.0	2209.0	1380.6	1640.9
Indicator value	0	0	0	0	0	0	1.9

Licensee Comments:

2Q/01: Revised Data: For 04/2001 - Upon feedback through the FAQ process, a power change that preceded a scram that occurred in April should be counted as an unplanned power change. This does not affect the indicator color.

Safety System Unavailability, Emergency AC Power, >2EDG



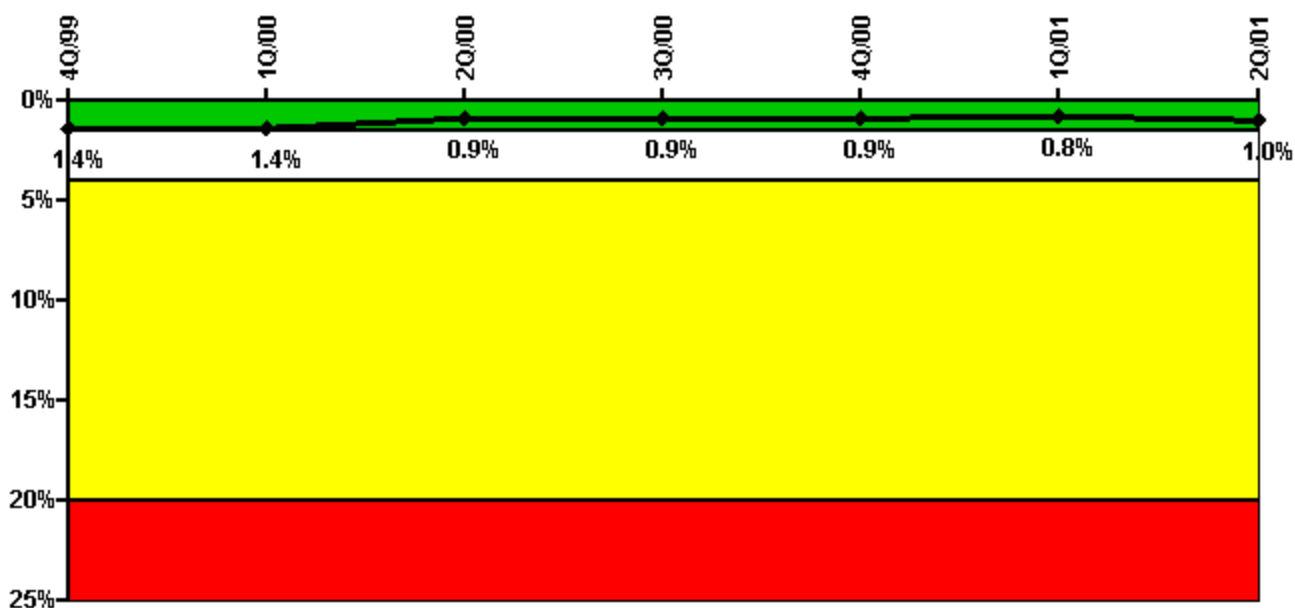
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	112.30	17.60	7.79	51.85	4.75	6.97	5.87
Unplanned unavailable hours	0	0	0	0	0	0	13.92
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	59.30	13.46	8.04	4.30	34.35	14.57	7.56
Unplanned unavailable hours	0	0	0	0	122.83	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3							
Planned unavailable hours	0	1.98	71.59	1.74	25.72	1.00	33.69
Unplanned unavailable hours	0	11.63	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.1%	1.1%	0.9%	0.9%	1.1%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



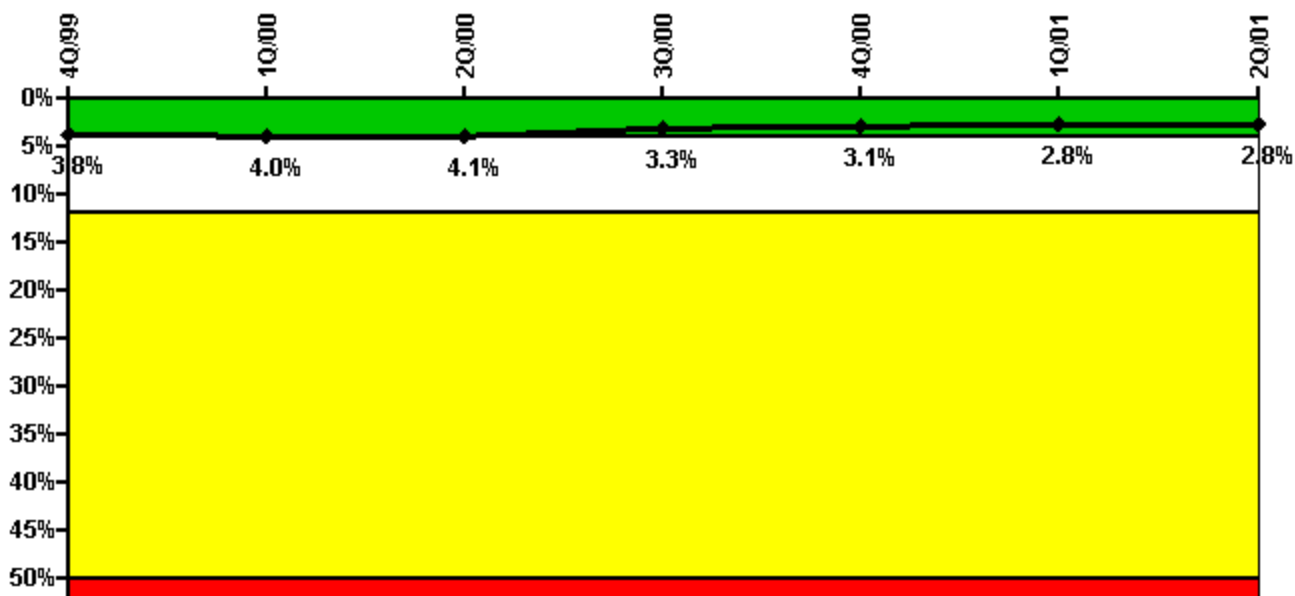
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0	1.18	52.40	1.50	9.07	1.18	31.13
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1924.00	2208.00	2209.00	1380.60	1640.90
Indicator value	1.4%	1.4%	0.9%	0.9%	0.9%	0.8%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

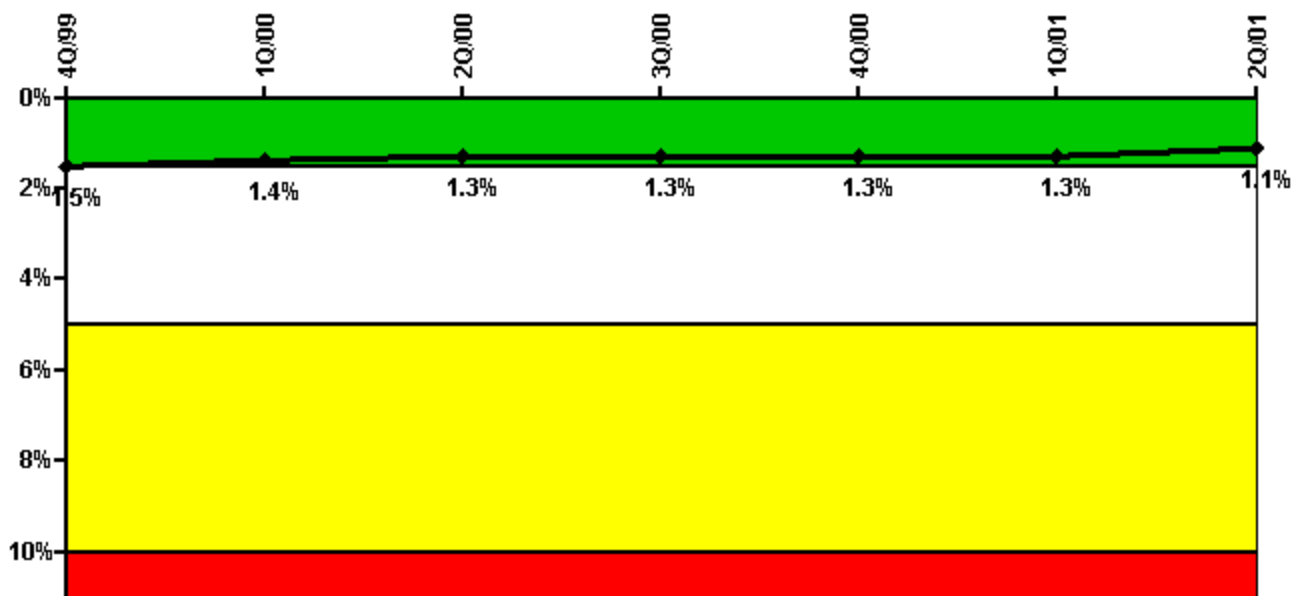
Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0	72.33	2.60	60.92	16.56	60.75	39.38
Unplanned unavailable hours	0	7.80	29.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1924.00	2208.00	2209.00	1380.60	1640.90
Indicator value	3.8%	4.0%	4.1%	3.3%	3.1%	2.8%	2.8%

Licensee Comments:

1Q/01: Revised Data: For 01/2001, removed 46.0 unavailable hours due to reclassification of time as planned overhaul maintenance meeting criteria of NEI 99-02 and FAQ. This does not affect the indicator color. For 03/2001, removed 6.13 unavailable hours to correct hours assessed when RCIC is not required during plant startup. This does not affect the indicator color.

Safety System Unavailability, Residual Heat Removal System



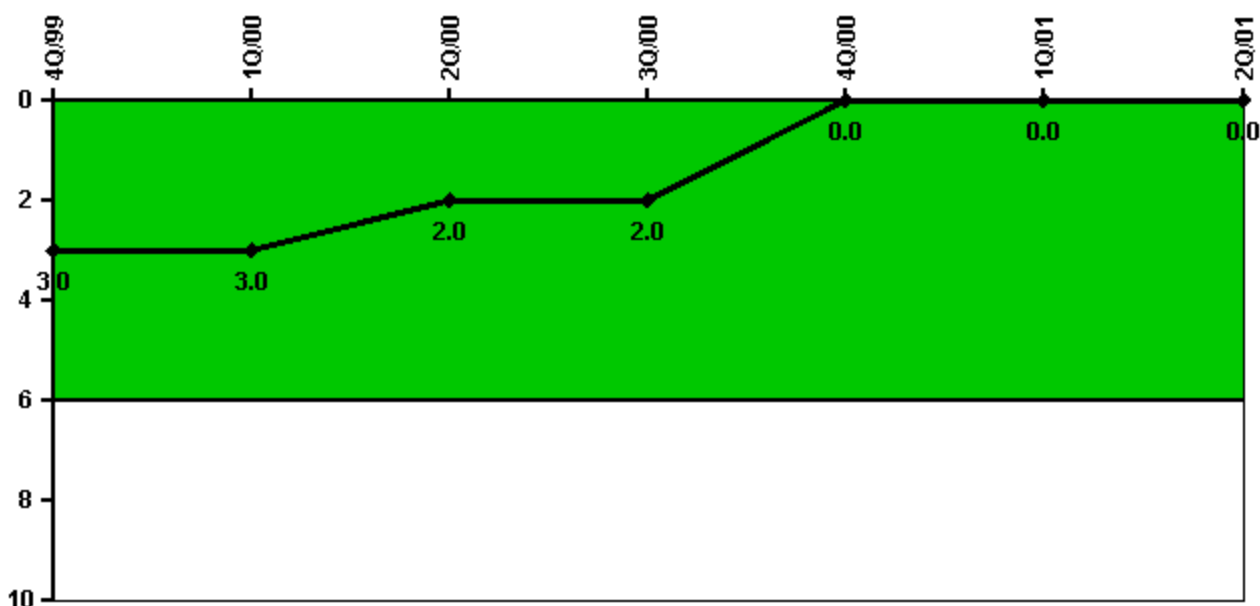
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0	3.07	6.46	84.67	15.28	3.65	4.87
Unplanned unavailable hours	0	0	0	0	0	0.85	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	136.00	14.70	1.32	12.80	50.50	0.50	0
Unplanned unavailable hours	0	0	0	0	11.92	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%	1.1%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

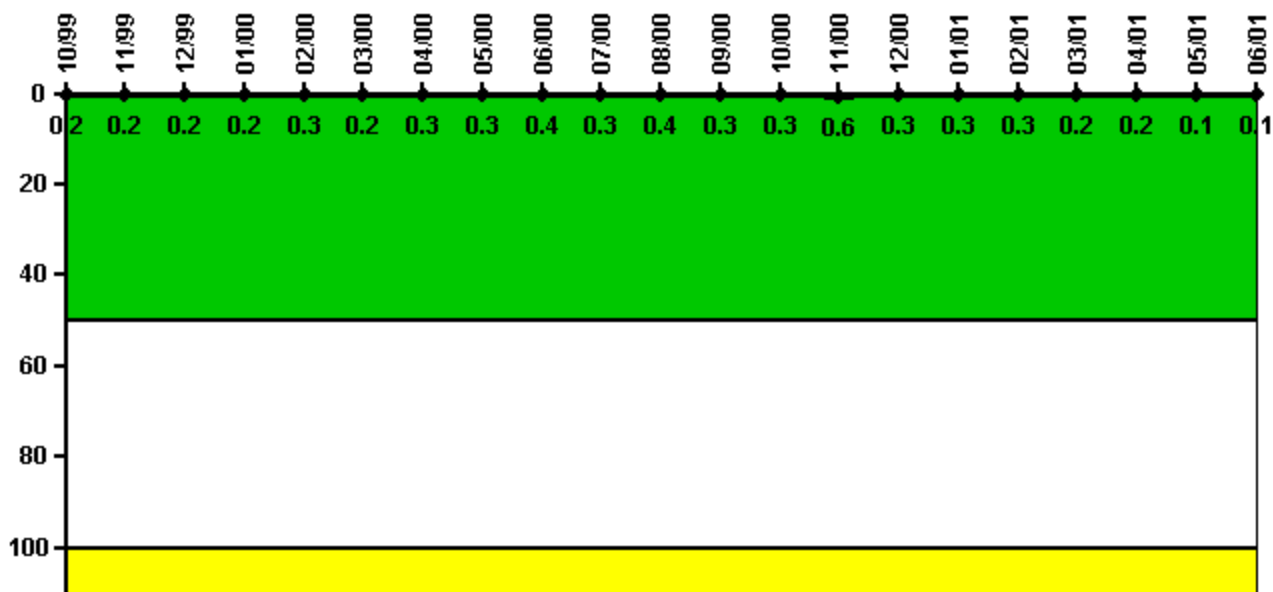
Notes

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

Licensee Comments:

4Q/00: Revised Data: For 12/2000 - An event involving Emergency Service Water operability was initially reported as a Loss of Safety Function as well as Outside the Design Basis (LER 2000-005). Subsequent analysis determined that no loss of safety function occurred and the LER was supplemented to retract that portion of the report (LER 2000-005-01). The NRC closed the LER in Inspection Report 2000-013, dated 12/11/01. Therefore, the SSFF that had been recorded for 12/2000 has been removed. This does not affect the indicator color.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

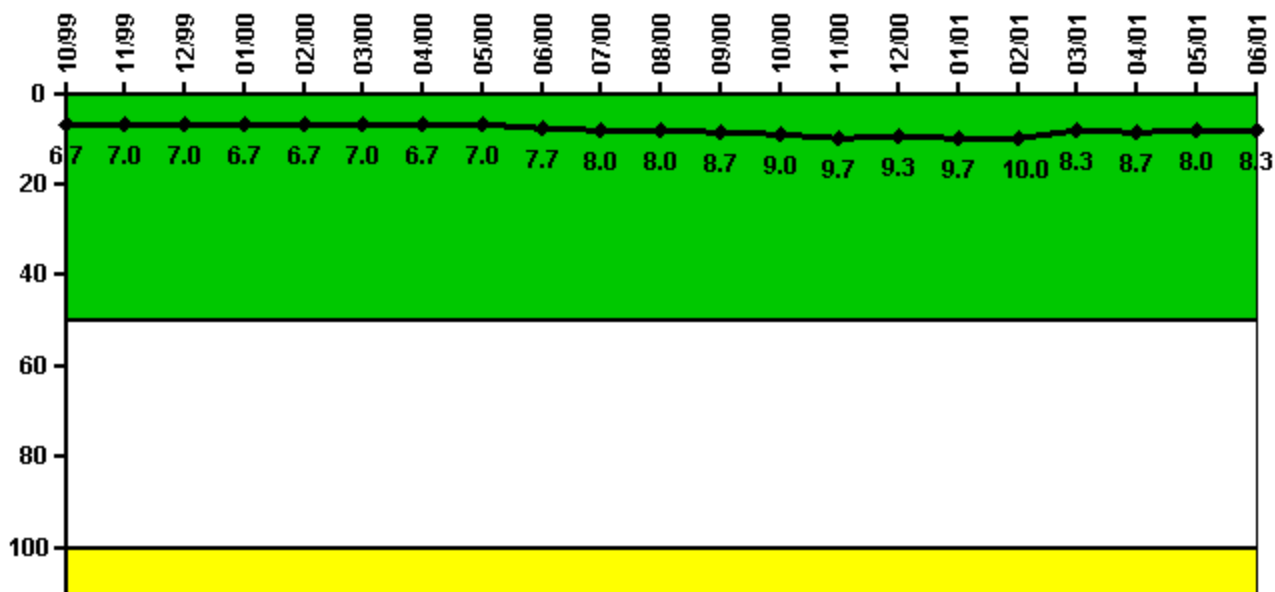
Notes

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	0.000354	0.000338	0.000349	0.000380	0.000613	0.000389	0.000561	0.000616	0.000778	0.000663	0.000777	0.000615
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000653	0.001110	0.000656	0.000635	0.000595	0.000437	0.000392	0.000206	0.000270
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.6	0.3	0.3	0.3	0.2	0.2	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

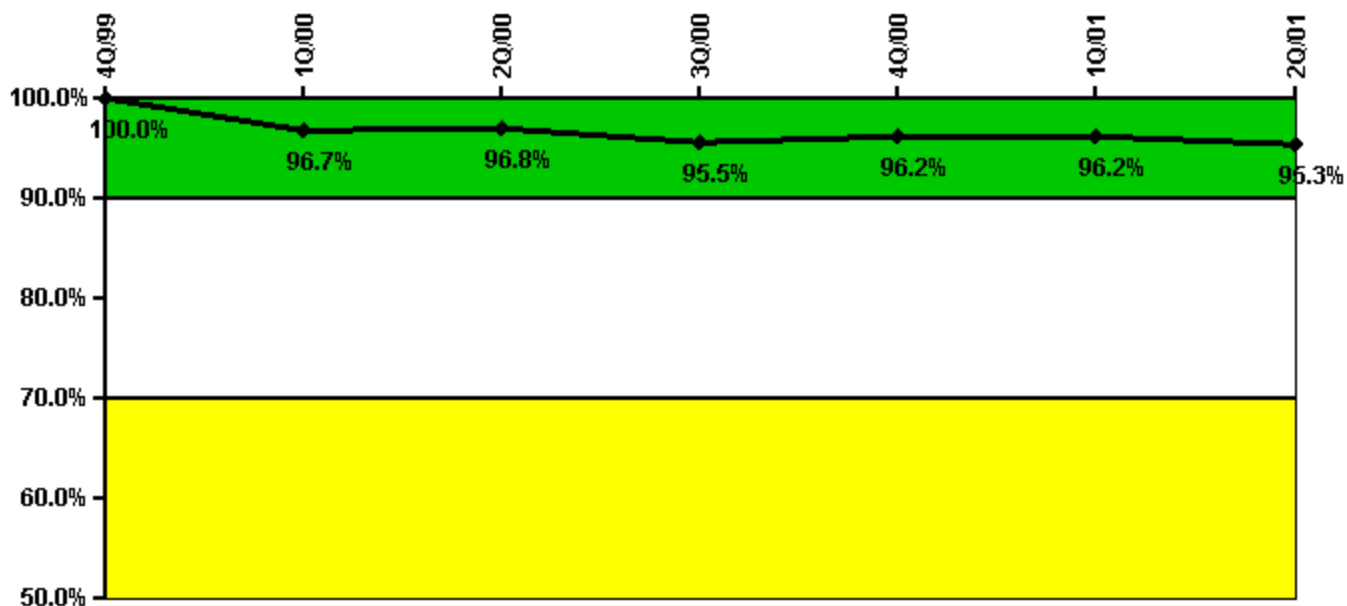
Notes

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	2.000	2.100	2.100	2.000	2.000	2.100	2.000	2.100	2.300	2.400	2.400	2.600
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	7.0	7.0	6.7	6.7	7.0	6.7	7.0	7.7	8.0	8.0	8.7

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	2.700	2.900	2.800	2.900	3.000	2.500	2.600	2.400	2.500
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.0	9.7	9.3	9.7	10.0	8.3	8.7	8.0	8.3

Licensee Comments: none

Drill/Exercise Performance



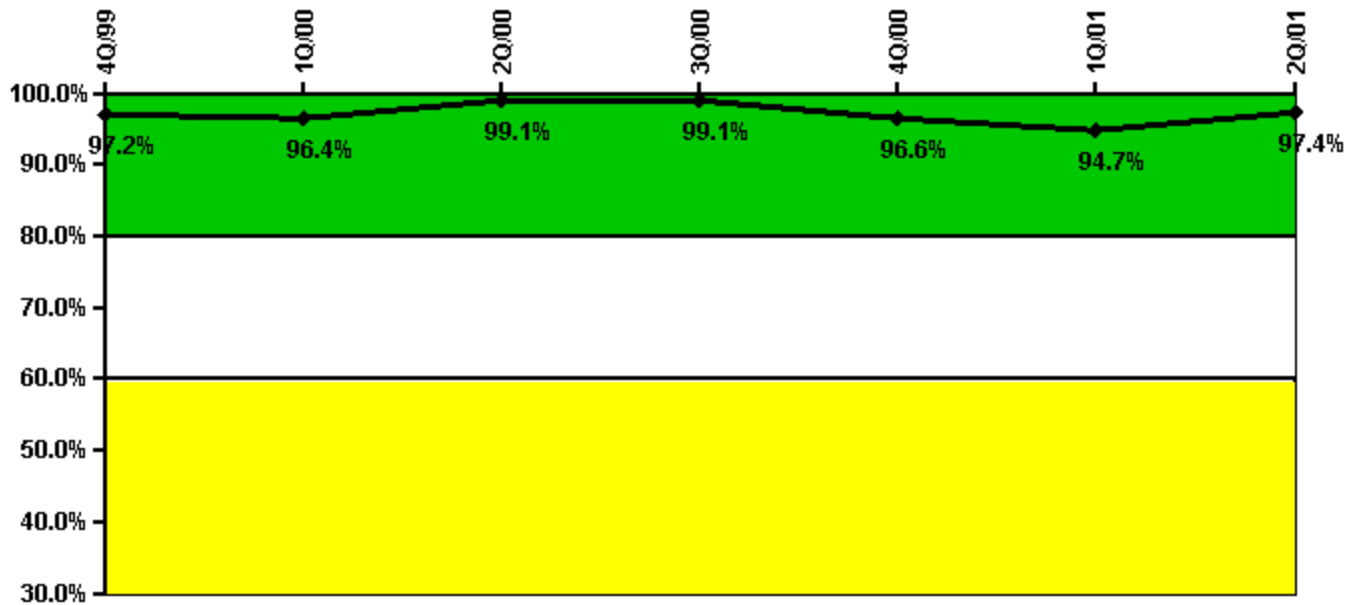
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	15.0	23.0	32.0	14.0	45.0	0	13.0
Total opportunities	15.0	25.0	33.0	16.0	46.0	0	15.0
Indicator value	100.0%	96.7%	96.8%	95.5%	96.2%	96.2%	95.3%

Licensee Comments: none

ERO Drill Participation



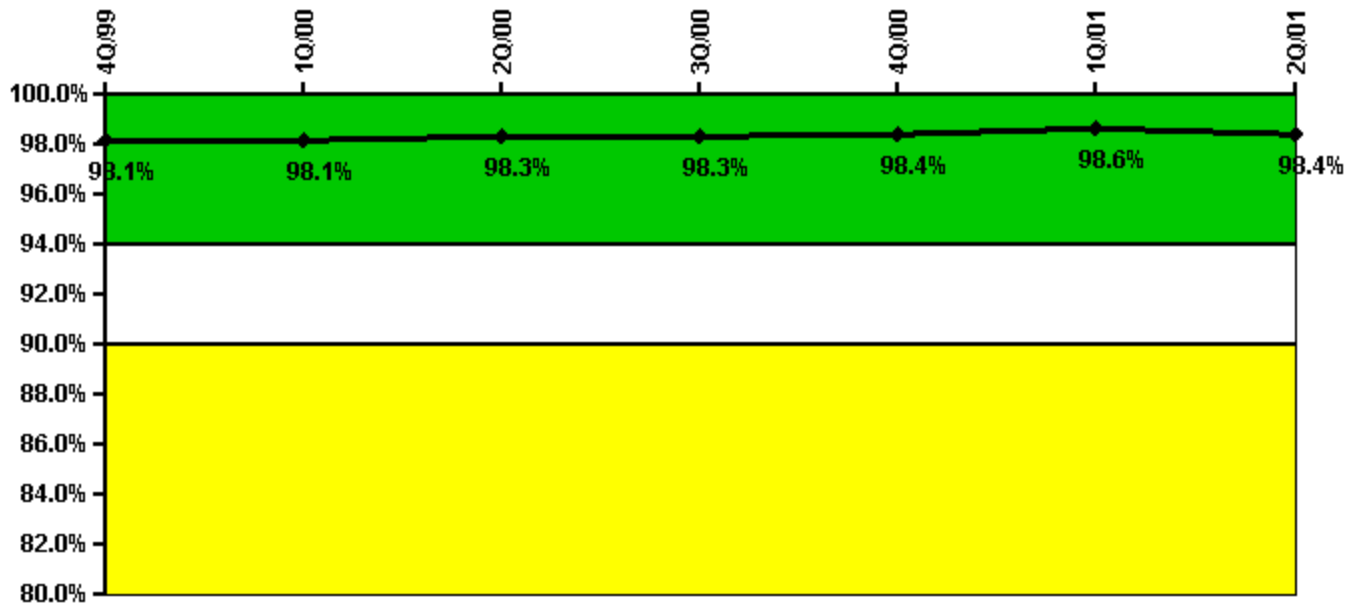
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	105.0	106.0	109.0	105.0	113.0	107.0	111.0
Total Key personnel	108.0	110.0	110.0	106.0	117.0	113.0	114.0
Indicator value	97.2%	96.4%	99.1%	99.1%	96.6%	94.7%	97.4%

Licensee Comments: none

Alert & Notification System



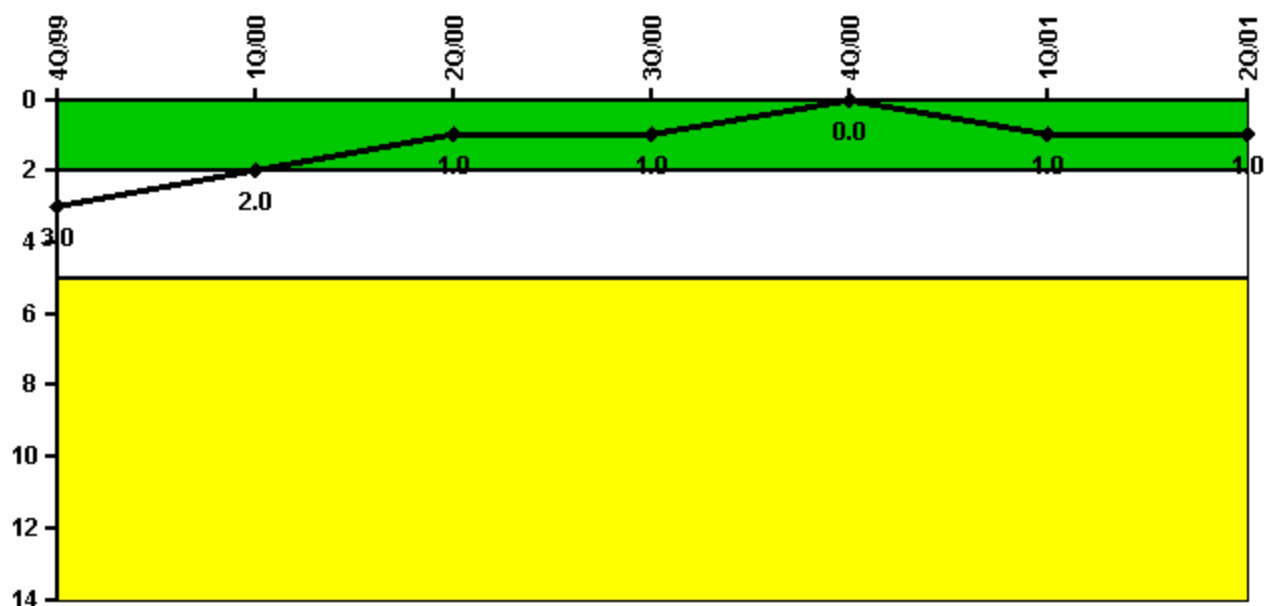
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	520	525	526	521	523	528	521
Total sirens-tests	532	532	532	532	532	532	532
Indicator value	98.1%	98.1%	98.3%	98.3%	98.4%	98.6%	98.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

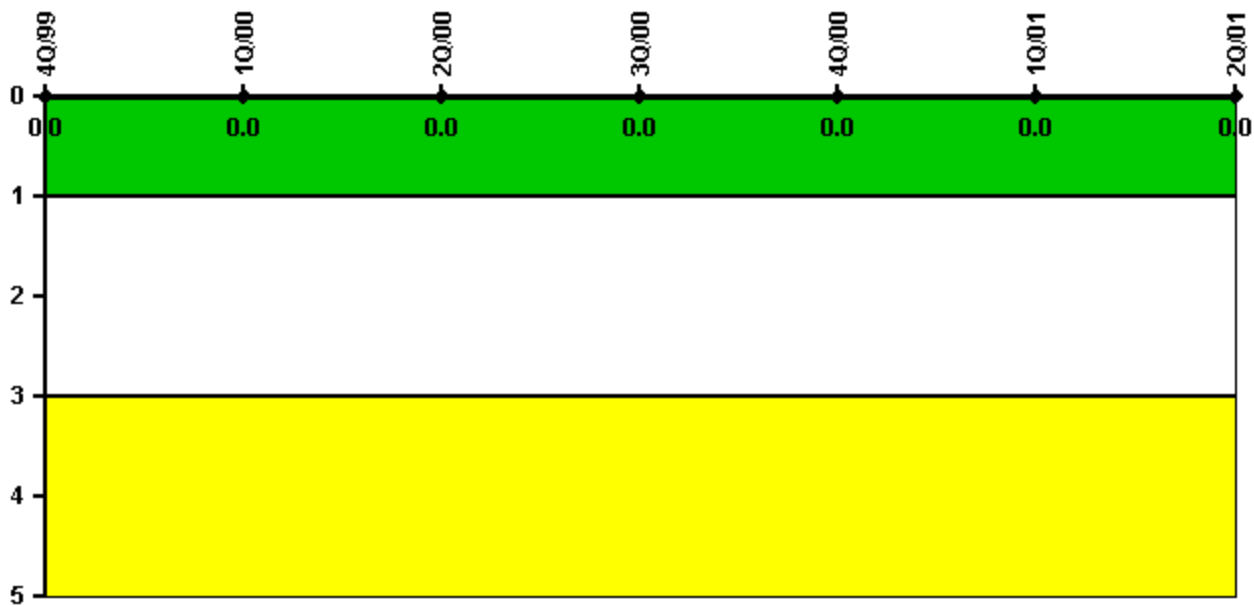
Notes

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

Licensee Comments:

1Q/01: Revised Data: For 03/2001, the Very High Radiation Occurrence was reclassified not meeting the reporting threshold because the involved area was inaccessible to personnel. This change does not affect the indicator color.

RETS/ODCM Radiological Effluent



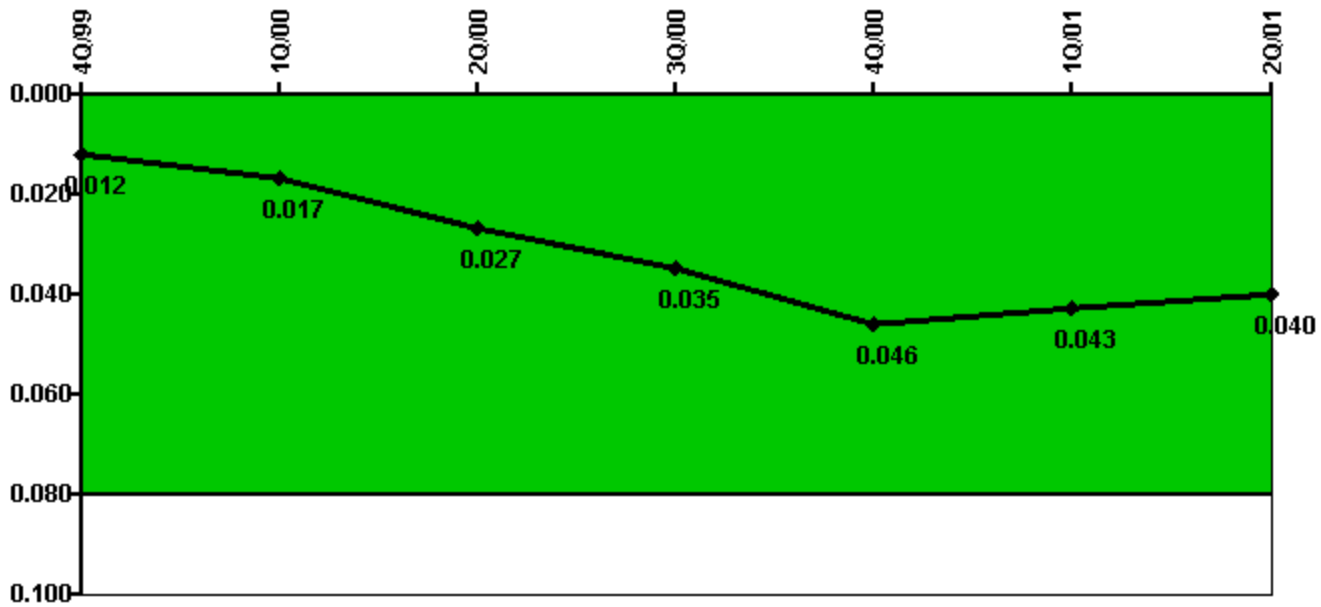
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



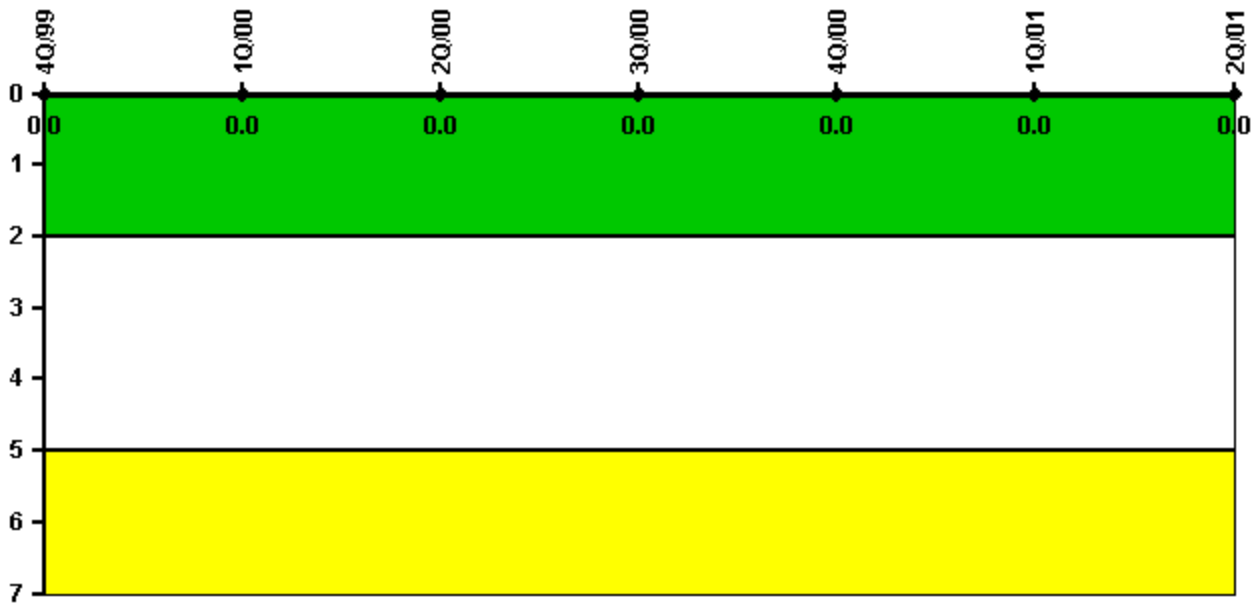
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	34.70	143.80	263.20	221.30	208.70	59.40	197.50
CCTV compensatory hours	6.8	2.8	0	6.0	36.2	28.5	1.0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.012	0.017	0.027	0.035	0.046	0.043	0.040

Licensee Comments: none

Personnel Screening Program



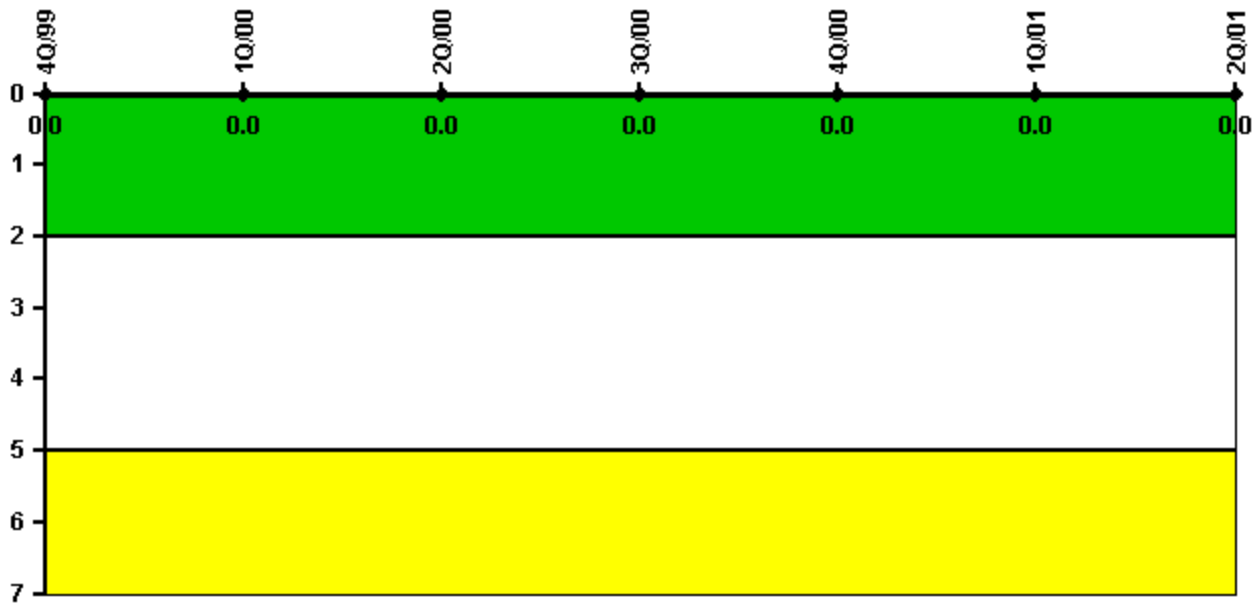
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Last Modified: March 27, 2002

Perry 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	0	0	0	0	0	0	1.0	1.0
Critical hours	2209.0	2184.0	1924.0	2208.0	2209.0	1380.6	1640.9	1798.9
Indicator value	0	0	0	0	0	0	0.9	2.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



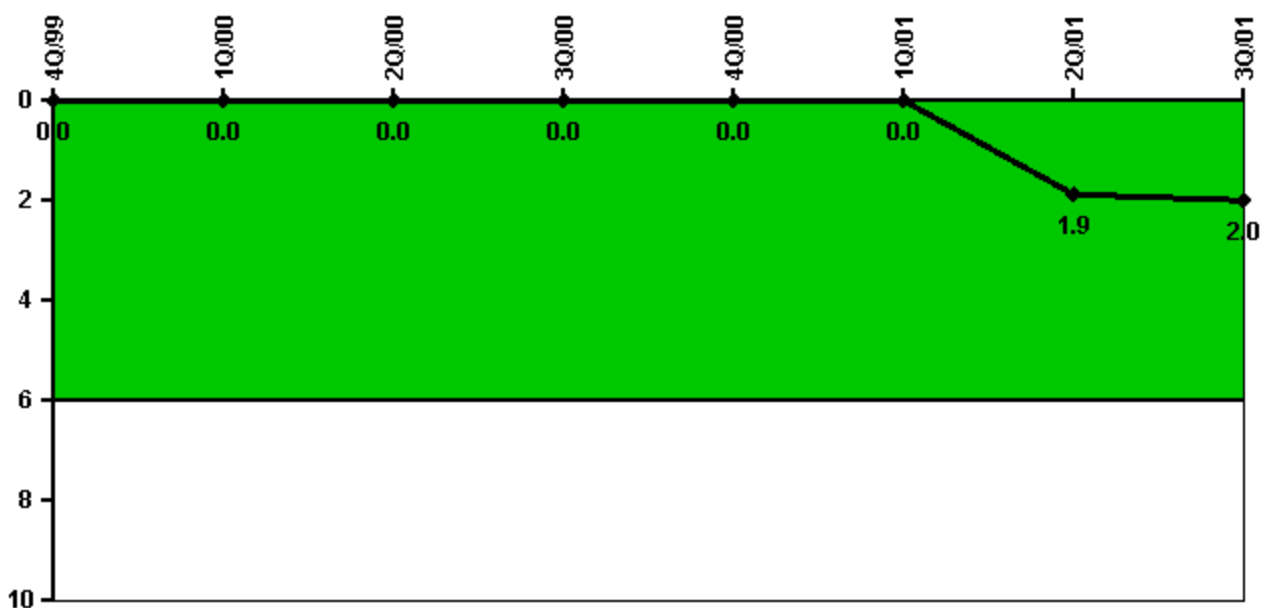
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

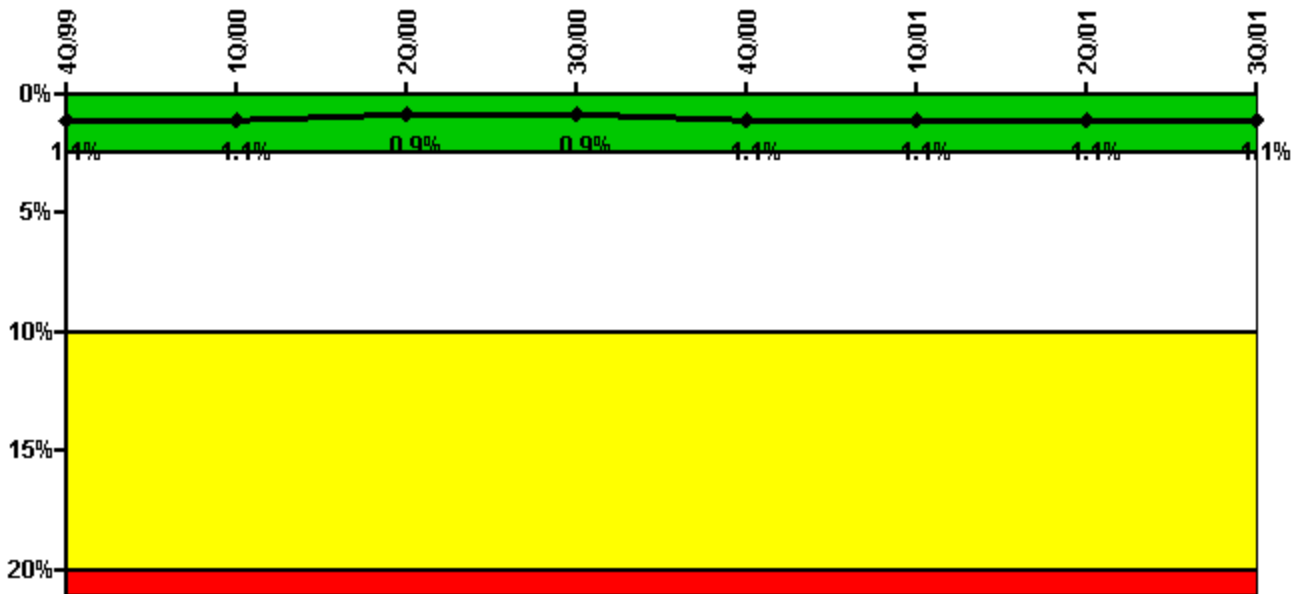
Notes

Unplanned Power Changes per 7000 Critical Hrs	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	2.0	0
Critical hours	2209.0	2184.0	1924.0	2208.0	2209.0	1380.6	1640.9	1798.9
Indicator value	0	0	0	0	0	0	1.9	2.0

Licensee Comments:

2Q/01: Revised Data: For 04/2001 - Upon feedback through the FAQ process, a power change that preceded a scram that occurred in April should be counted as an unplanned power change. This does not affect the indicator color.

Safety System Unavailability, Emergency AC Power, >2EDG



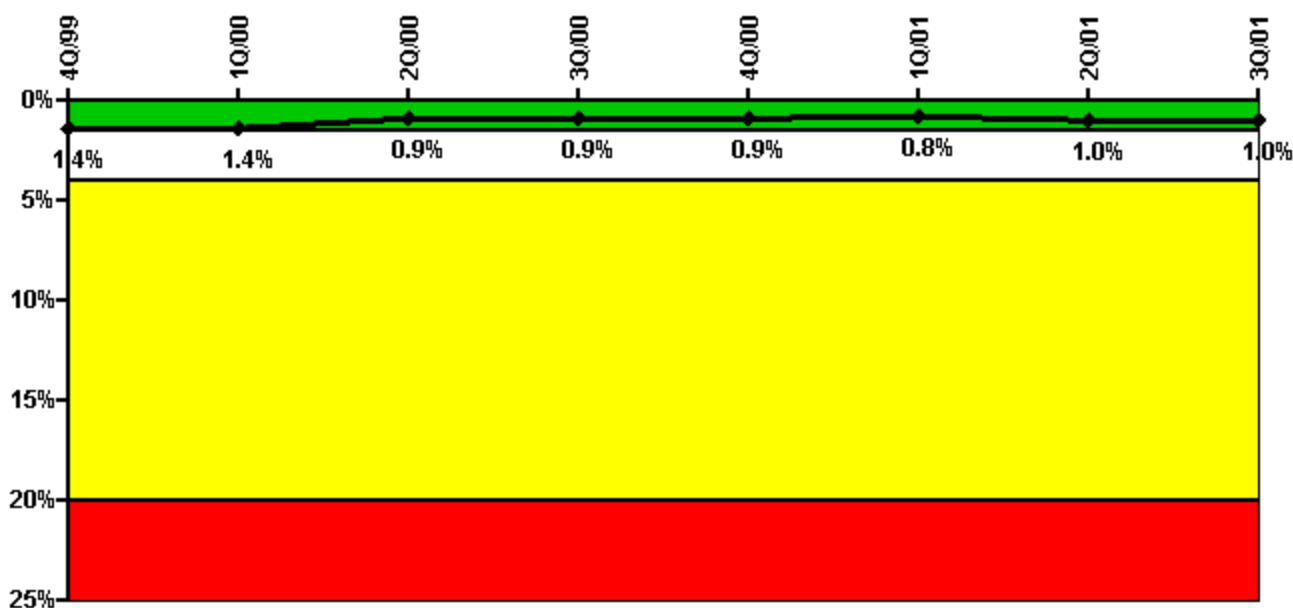
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

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	112.30	17.60	7.79	51.85	4.75	6.97	5.87	53.05
Unplanned unavailable hours	0	0	0	0	0	0	13.92	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	59.30	13.46	8.04	4.30	34.35	14.57	7.56	17.10
Unplanned unavailable hours	0	0	0	0	122.83	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 3								
Planned unavailable hours	0	1.98	71.59	1.74	25.72	1.00	33.69	12.15
Unplanned unavailable hours	0	11.63	0	0	0	0	0	4.58
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.1%	1.1%	0.9%	0.9%	1.1%	1.1%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



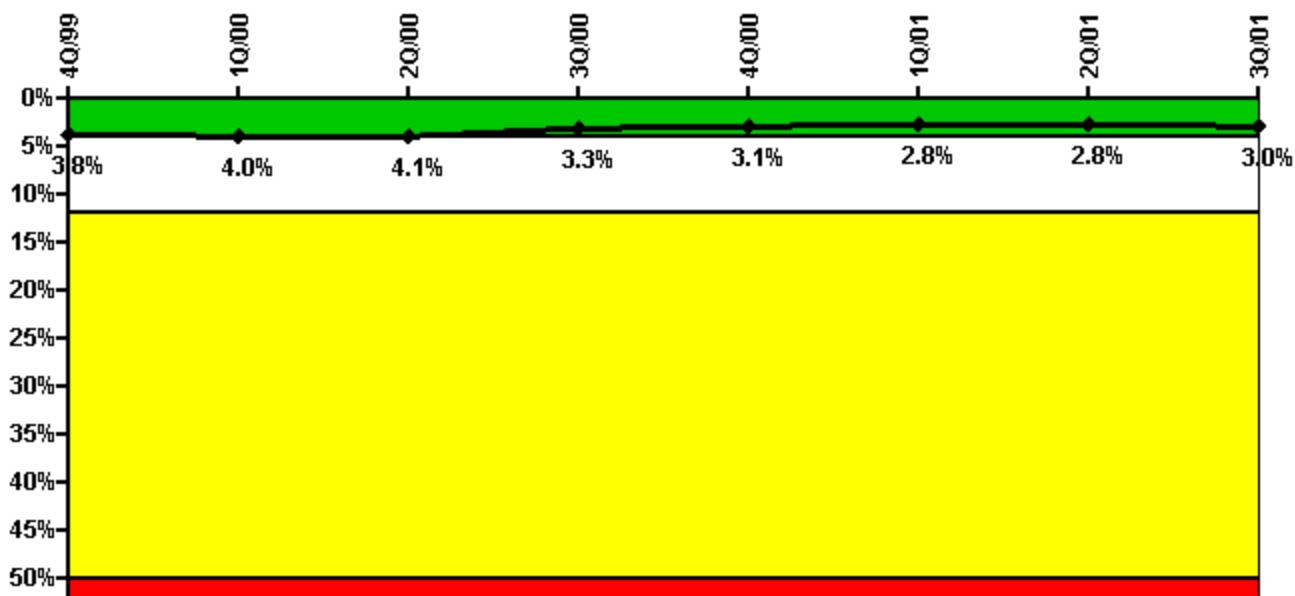
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0	1.18	52.40	1.50	9.07	1.18	31.13	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	2184.00	1924.00	2208.00	2209.00	1380.60	1640.90	1798.90
Indicator value	1.4%	1.4%	0.9%	0.9%	0.9%	0.8%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



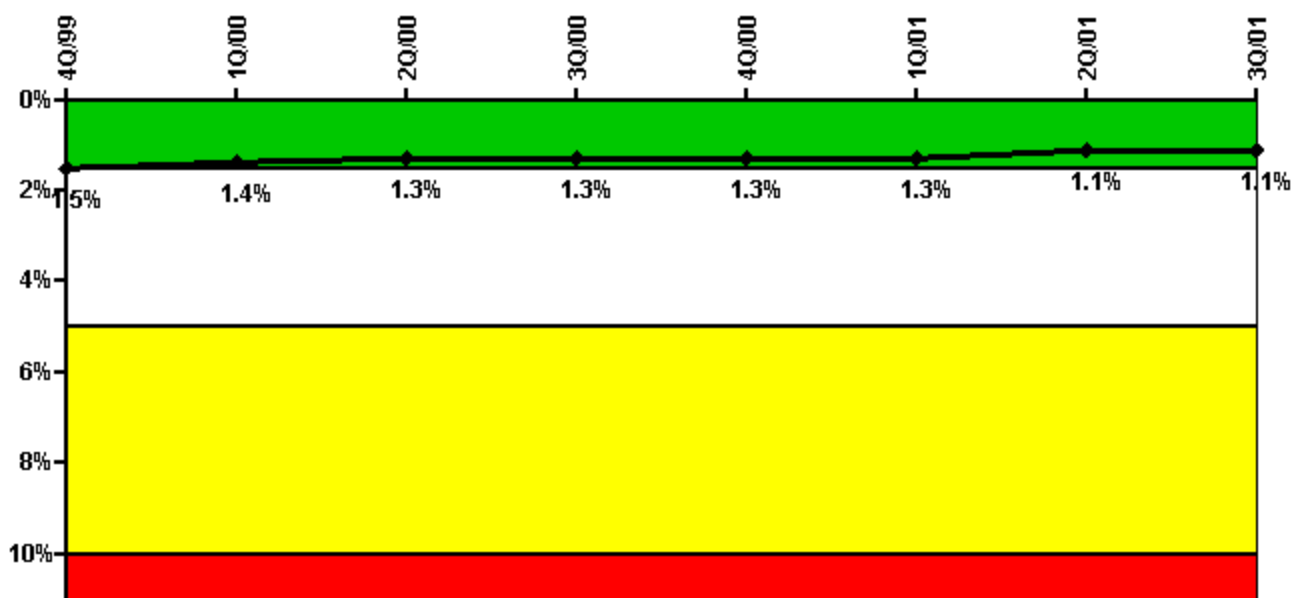
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0	72.33	2.60	60.92	16.56	60.75	39.38	42.53
Unplanned unavailable hours	0	7.80	29.20	0	0	0	0	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	2184.00	1924.00	2208.00	2209.00	1380.60	1640.90	1798.90
Indicator value	3.8%	4.0%	4.1%	3.3%	3.1%	2.8%	2.8%	3.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



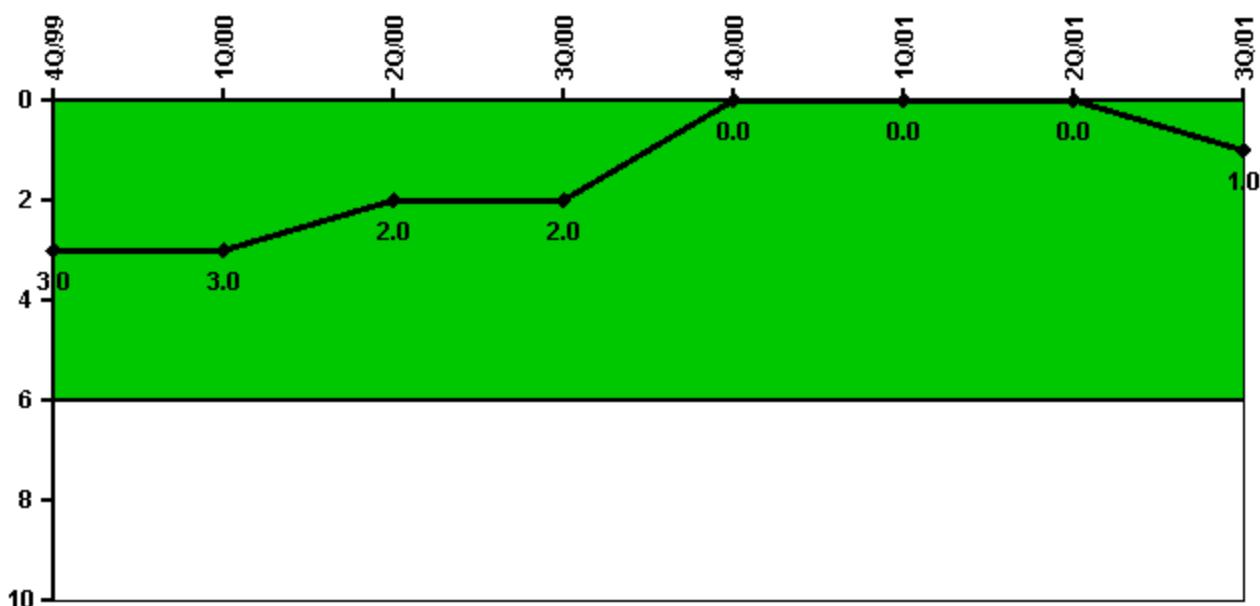
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0	3.07	6.46	84.67	15.28	3.65	4.87	82.80
Unplanned unavailable hours	0	0	0	0	0	0.85	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	136.00	14.70	1.32	12.80	50.50	0.50	0	0.55
Unplanned unavailable hours	0	0	0	0	11.92	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	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%	1.1%	1.1%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

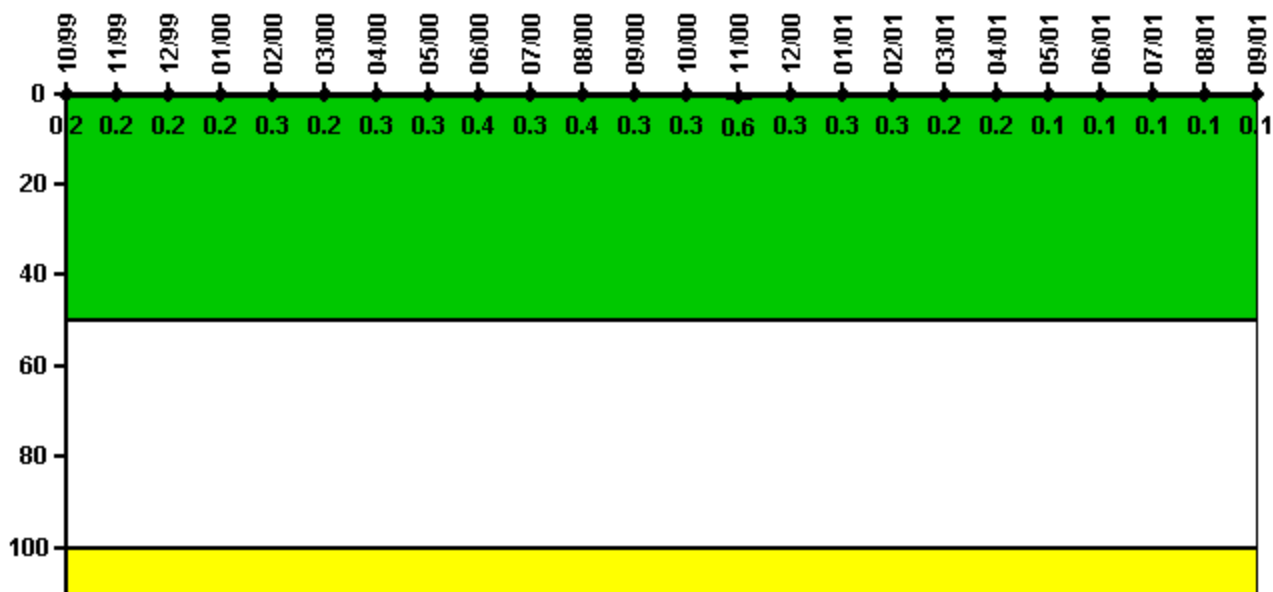
Notes

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

Licensee Comments:

4Q/00: Revised Data: For 12/2000 - An event involving Emergency Service Water operability was initially reported as a Loss of Safety Function as well as Outside the Design Basis (LER 2000-005). Subsequent analysis determined that no loss of safety function occurred and the LER was supplemented to retract that portion of the report (LER 2000-005-01). The NRC closed the LER in Inspection Report 2000-013, dated 12/11/01. Therefore, the SSFF that had been recorded for 12/2000 has been removed. This does not affect the indicator color.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

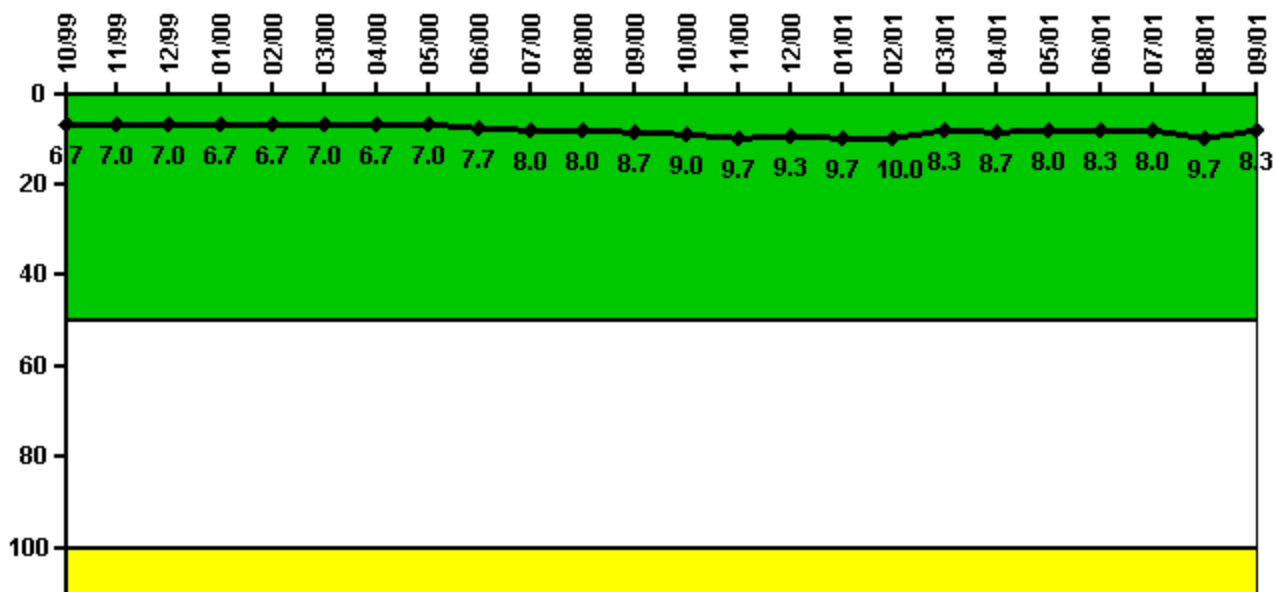
Notes

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	0.000354	0.000338	0.000349	0.000380	0.000613	0.000389	0.000561	0.000616	0.000778	0.000663	0.000777	0.000615
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3

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	0.000653	0.001110	0.000656	0.000635	0.000595	0.000437	0.000392	0.000206	0.000270	0.000258	0.000157	0.000197
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.6	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

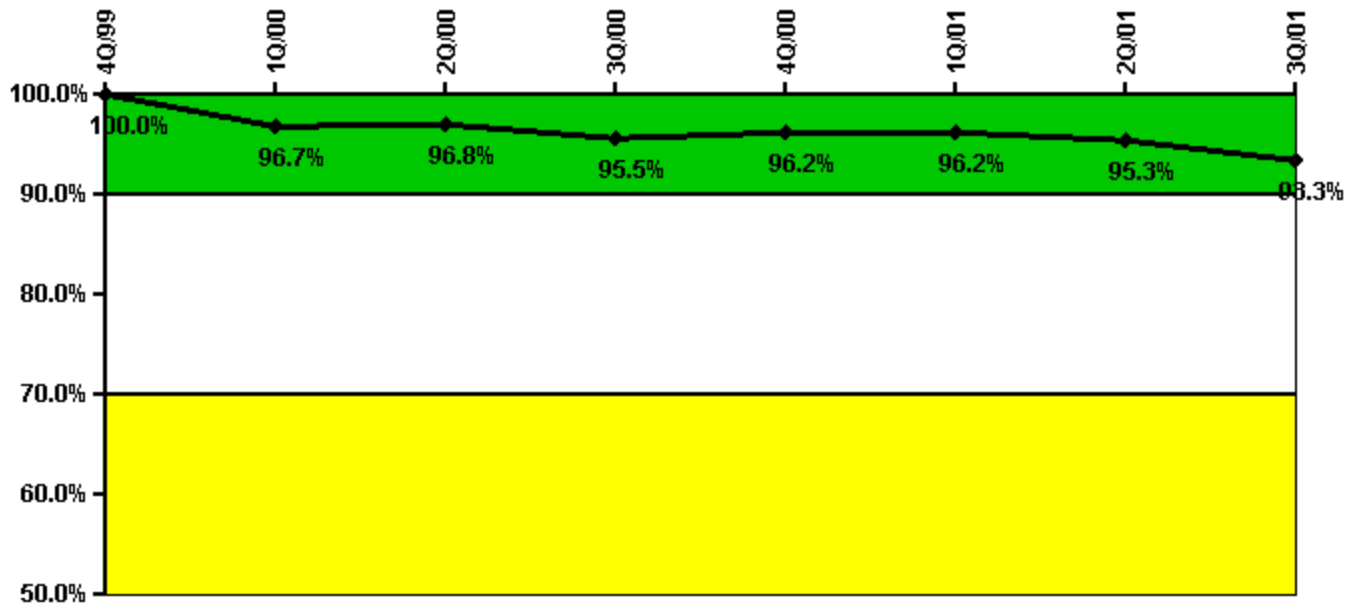
Notes

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	2.000	2.100	2.100	2.000	2.000	2.100	2.000	2.100	2.300	2.400	2.400	2.600
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	7.0	7.0	6.7	6.7	7.0	6.7	7.0	7.7	8.0	8.0	8.7

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	2.700	2.900	2.800	2.900	3.000	2.500	2.600	2.400	2.500	2.400	2.900	2.500
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.0	9.7	9.3	9.7	10.0	8.3	8.7	8.0	8.3	8.0	9.7	8.3

Licensee Comments: none

Drill/Exercise Performance



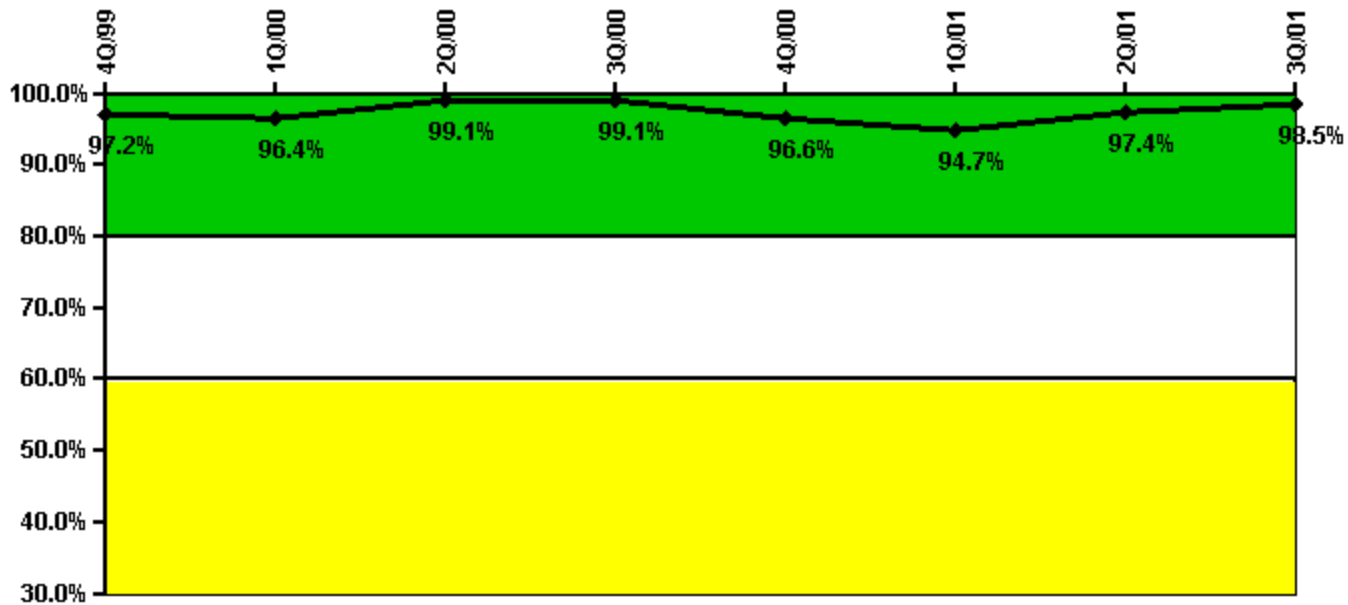
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	15.0	23.0	32.0	14.0	45.0	0	13.0	24.0
Total opportunities	15.0	25.0	33.0	16.0	46.0	0	15.0	28.0
Indicator value	100.0%	96.7%	96.8%	95.5%	96.2%	96.2%	95.3%	93.3%

Licensee Comments: none

ERO Drill Participation



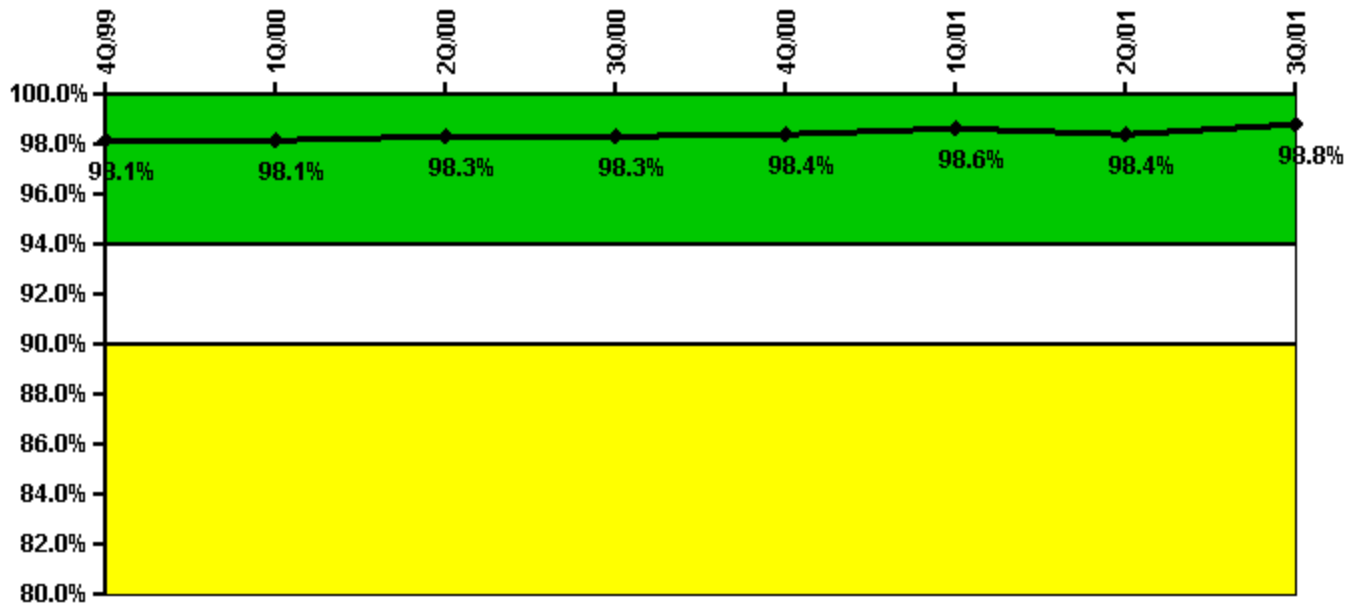
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	105.0	106.0	109.0	105.0	113.0	107.0	111.0	134.0
Total Key personnel	108.0	110.0	110.0	106.0	117.0	113.0	114.0	136.0
Indicator value	97.2%	96.4%	99.1%	99.1%	96.6%	94.7%	97.4%	98.5%

Licensee Comments: none

Alert & Notification System



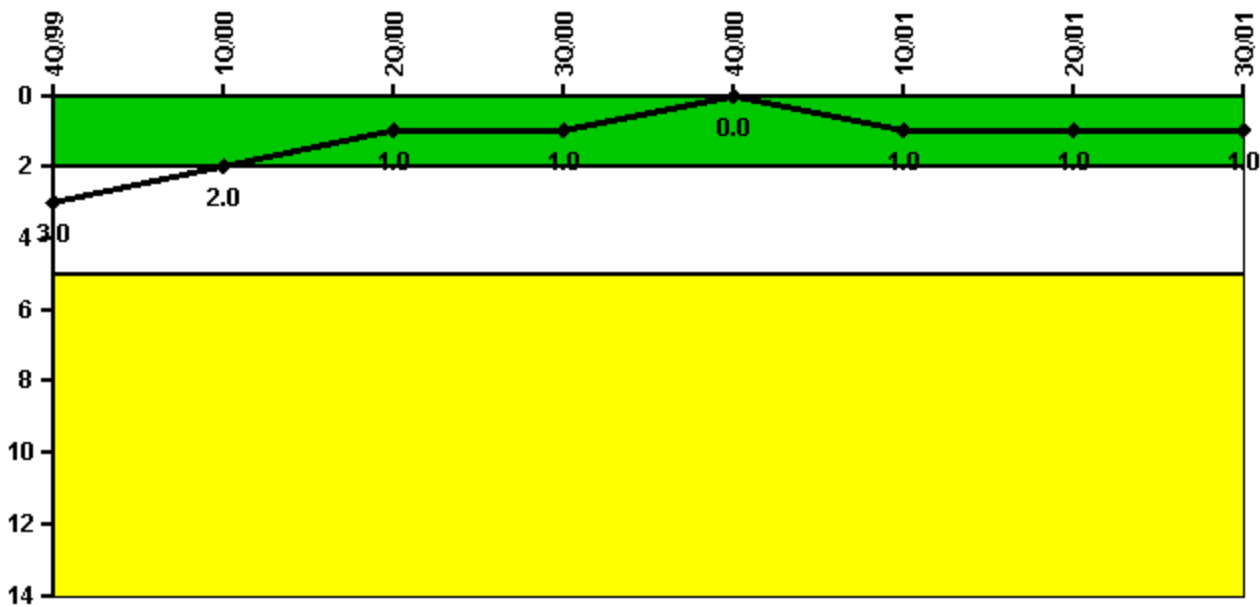
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	520	525	526	521	523	528	521	530
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	98.1%	98.1%	98.3%	98.3%	98.4%	98.6%	98.4%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



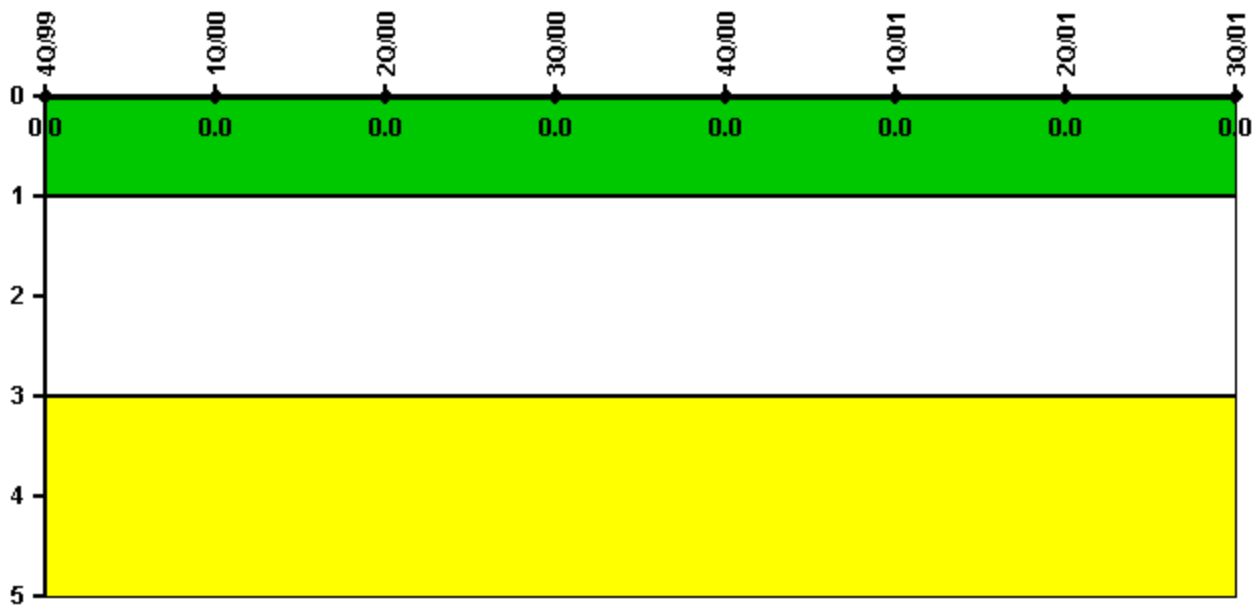
Thresholds: White > 2.0 Yellow > 5.0

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	1	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	3	2	1	1	0	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



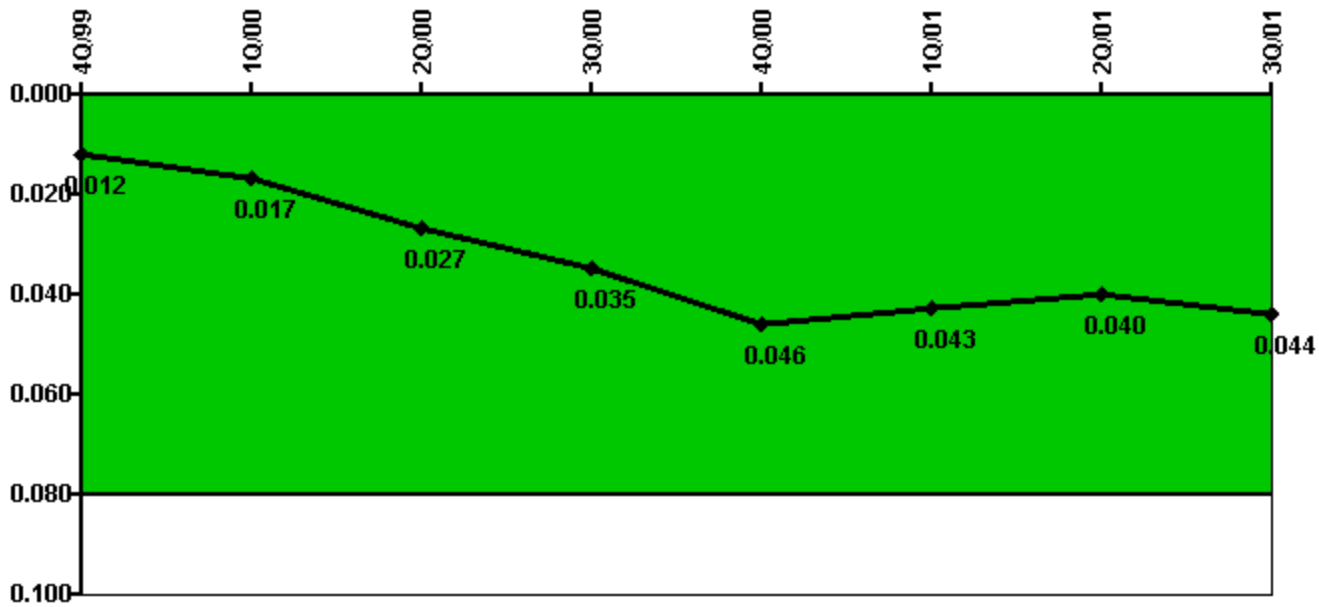
Thresholds: White > 1.0 Yellow > 3.0

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



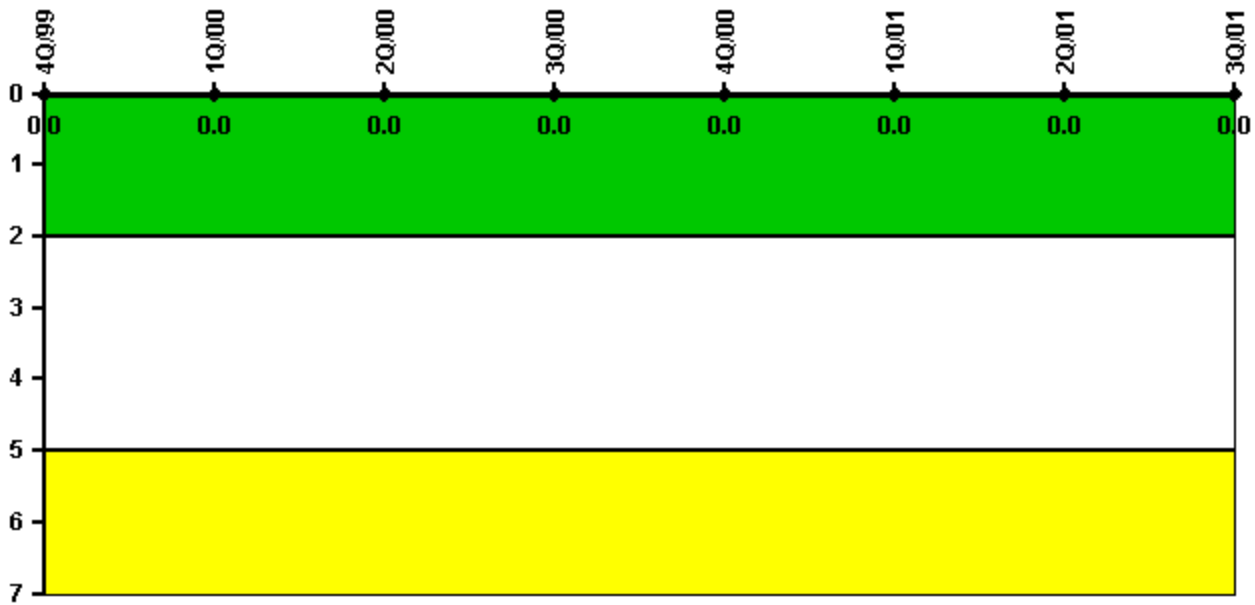
Thresholds: White > 0.080

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	34.70	143.80	263.20	221.30	208.70	59.40	197.50	289.60
CCTV compensatory hours	6.8	2.8	0	6.0	36.2	28.5	1.0	14.3
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.012	0.017	0.027	0.035	0.046	0.043	0.040	0.044

Licensee Comments: none

Personnel Screening Program



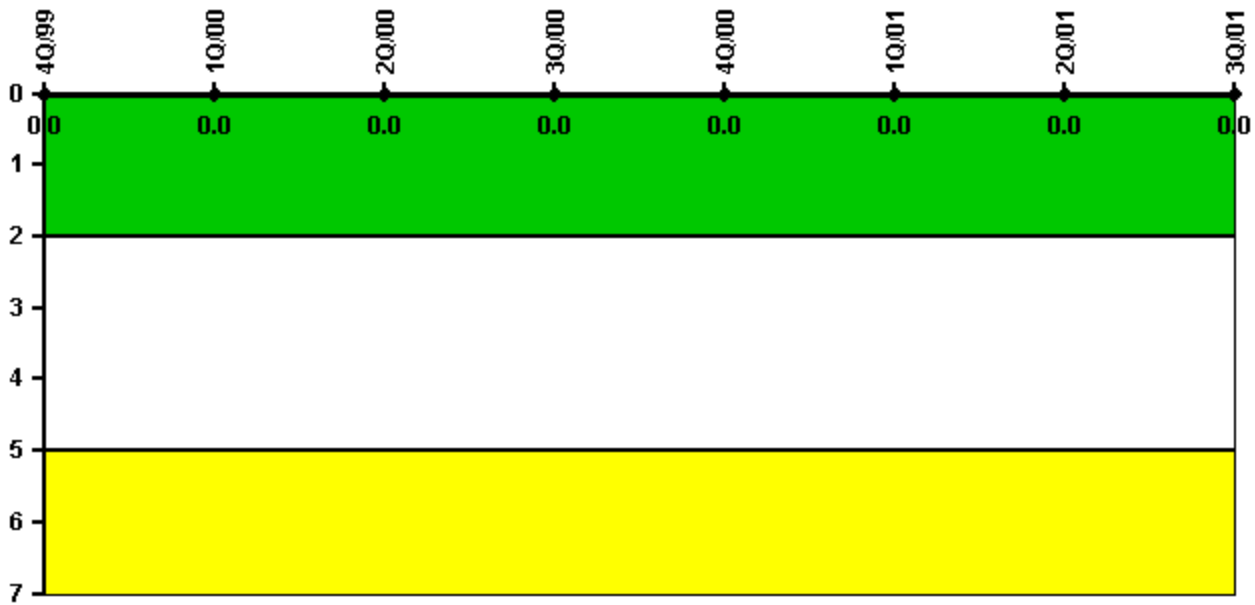
Thresholds: White > 2.0 Yellow > 5.0

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](#)

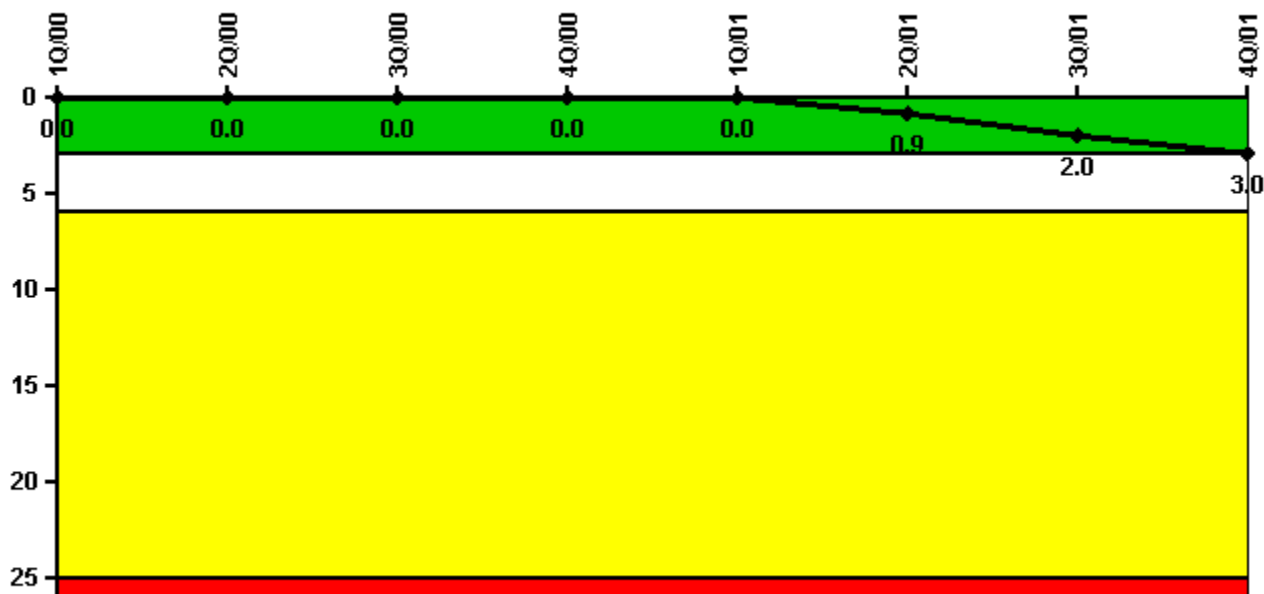
Last Modified: March 26, 2002

Perry 1

4Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



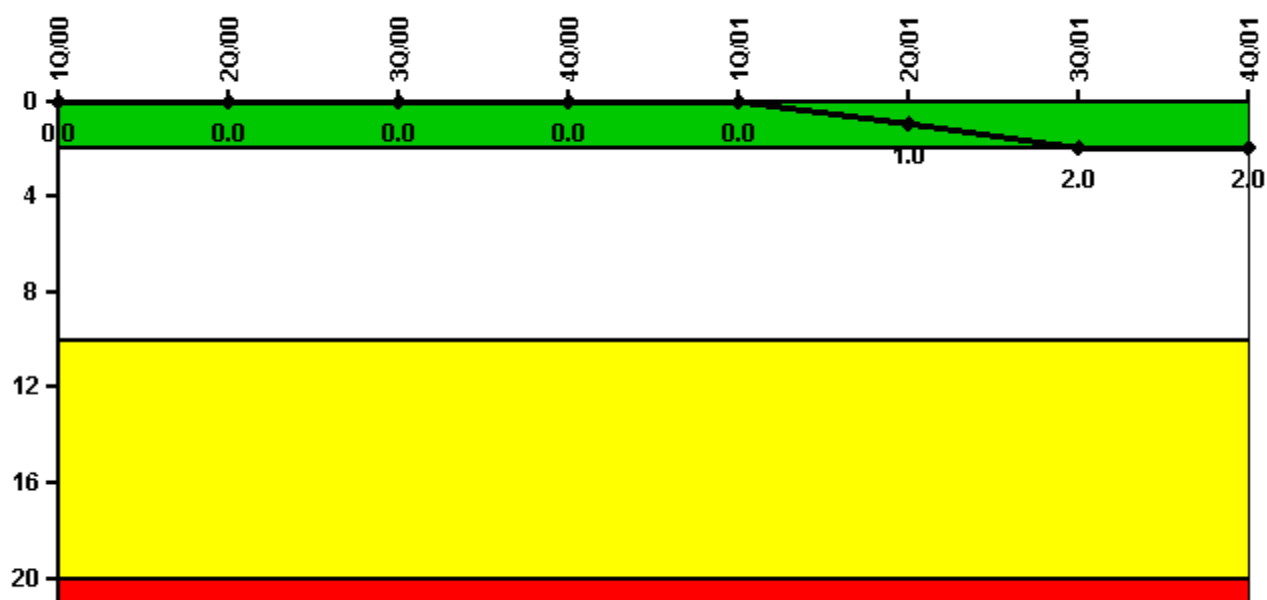
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	1.0	1.0	1.0
Critical hours	2184.0	1924.0	2208.0	2209.0	1380.6	1640.9	1798.9	2156.2
Indicator value	0	0	0	0	0	0.9	2.0	3.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



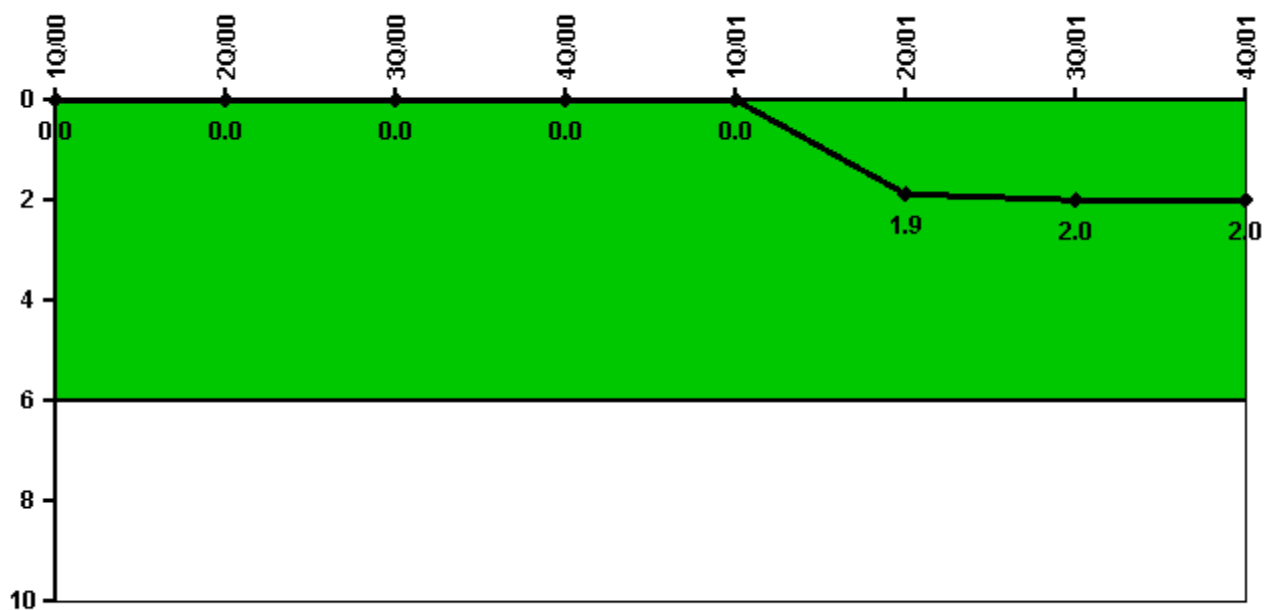
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	0	0	0	0	1.0	1.0	0
Indicator value	0	0	0	0	0	1.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



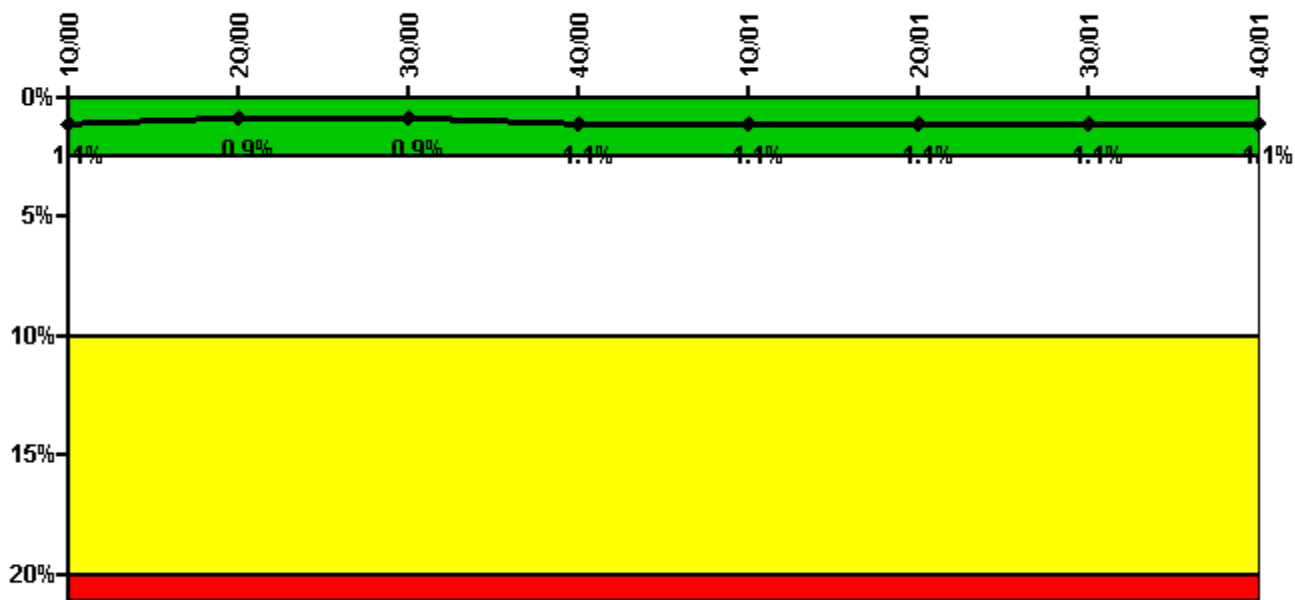
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	2.0	0	0
Critical hours	2184.0	1924.0	2208.0	2209.0	1380.6	1640.9	1798.9	2156.2
Indicator value	0	0	0	0	0	1.9	2.0	2.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



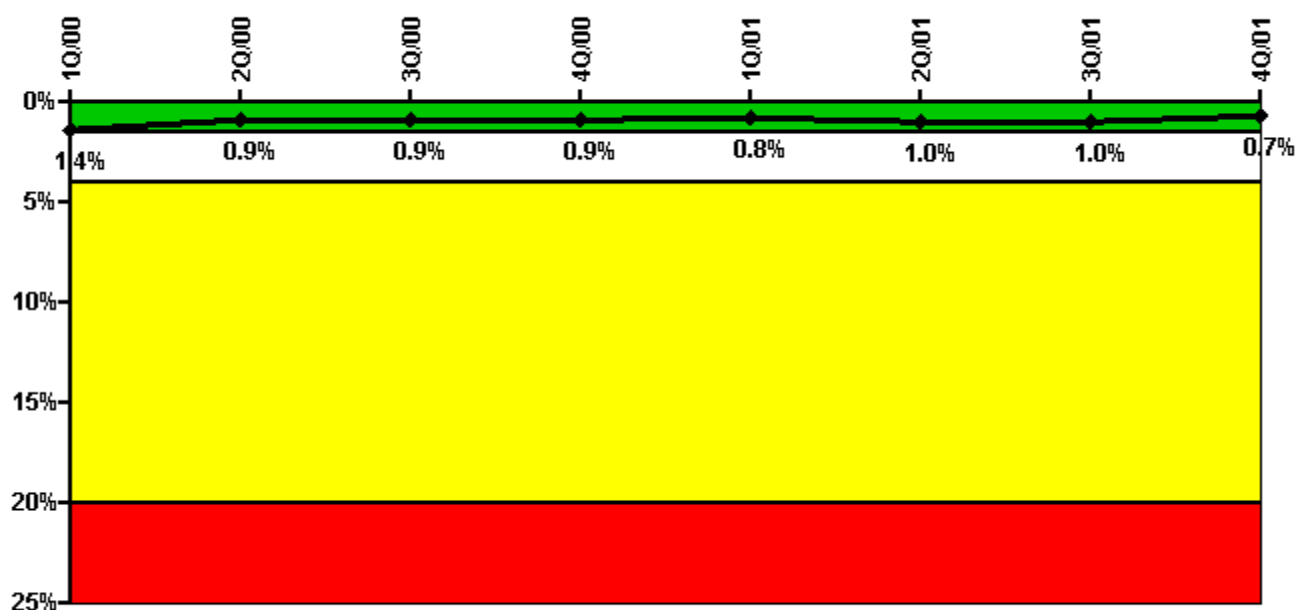
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	17.60	7.79	51.85	4.75	6.97	5.87	53.05	15.95
Unplanned unavailable hours	0	0	0	0	0	13.92	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	13.46	8.04	4.30	34.35	14.57	7.56	17.10	64.51
Unplanned unavailable hours	0	0	0	122.83	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 3								
Planned unavailable hours	1.98	71.59	1.74	25.72	1.00	33.69	12.15	2.15
Unplanned unavailable hours	11.63	0	0	0	0	0	4.58	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.1%	0.9%	0.9%	1.1%	1.1%	1.1%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



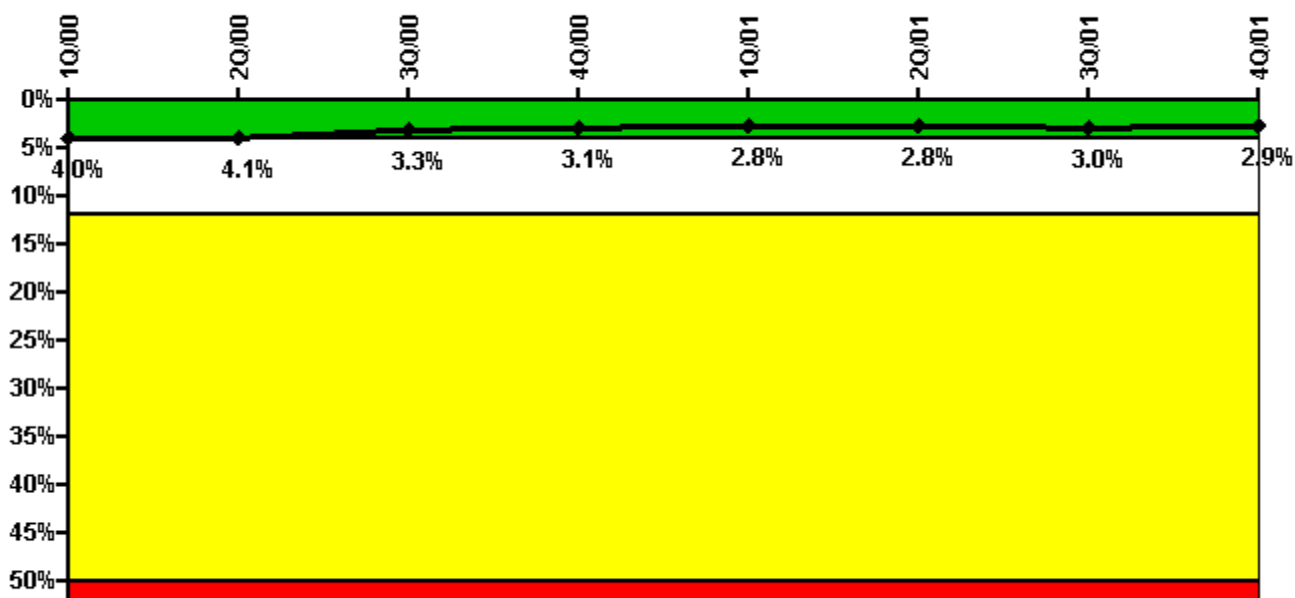
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	1.18	52.40	1.50	9.07	1.18	31.13	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	1924.00	2208.00	2209.00	1380.60	1640.90	1798.90	2156.20
Indicator value	1.4%	0.9%	0.9%	0.9%	0.8%	1.0%	1.0%	0.7%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



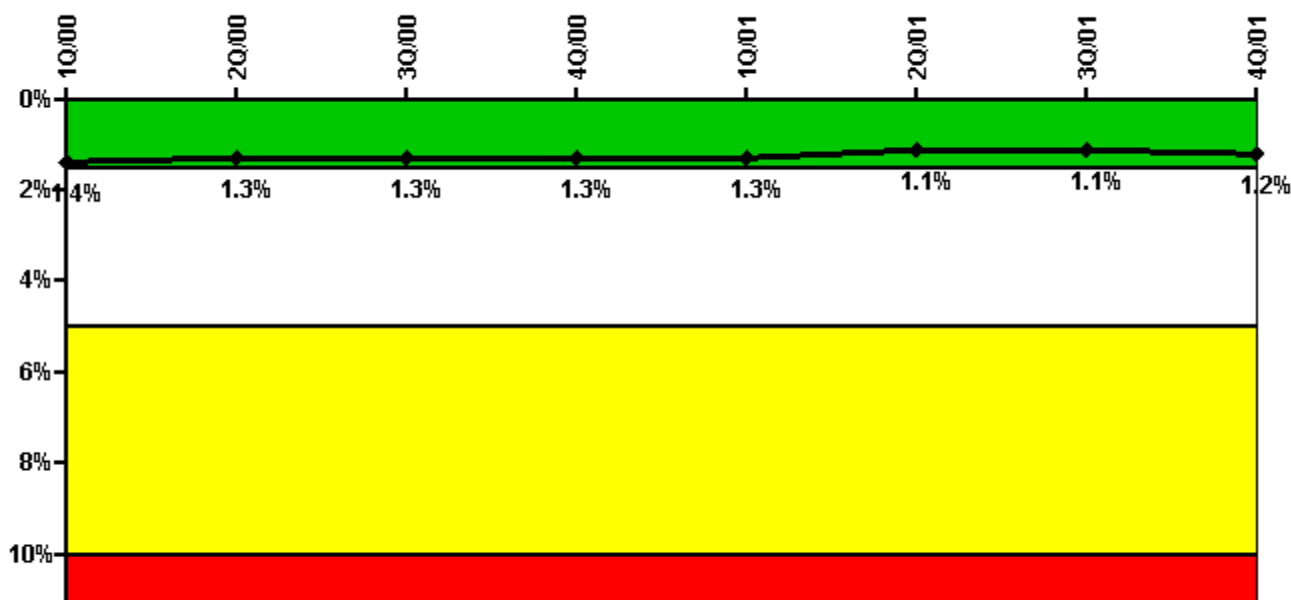
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	72.33	2.60	60.92	16.56	60.75	39.38	42.53	0
Unplanned unavailable hours	7.80	29.20	0	0	0	0	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	2184.00	1924.00	2208.00	2209.00	1380.60	1640.90	1798.90	2156.20
Indicator value	4.0%	4.1%	3.3%	3.1%	2.8%	2.8%	3.0%	2.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

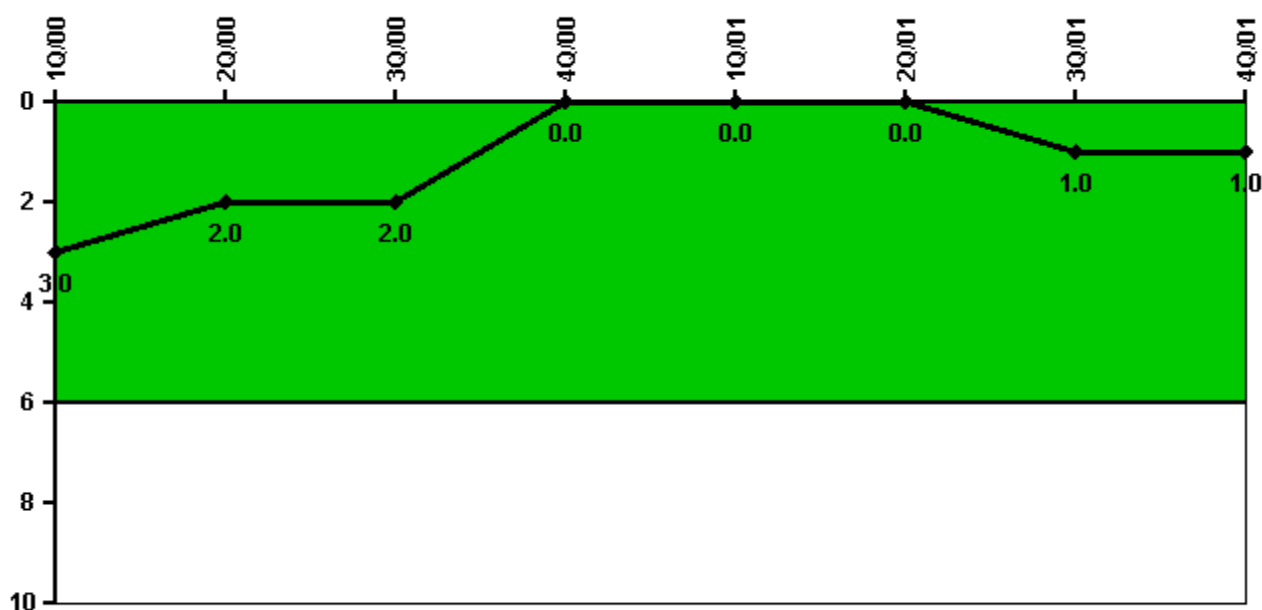
Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	3.07	6.46	84.67	15.28	3.65	4.87	82.80	9.60
Unplanned unavailable hours	0	0	0	0	0.85	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	14.70	1.32	12.80	50.50	0.50	0	0.55	41.42
Unplanned unavailable hours	0	0	0	11.92	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	1.4%	1.3%	1.3%	1.3%	1.3%	1.1%	1.1%	1.2%

Licensee Comments:

4Q/01: An engineering evaluation is underway to determine the impact of an NRC Task Interface Agreement, dated January 4, 2002, on an August 2000 operability determination for the Residual Heat Removal (RHR) system. This evaluation may result in significant fault exposure hours which could change the indicator color. If the evaluation results in a change in indicator color, a mid-quarter report will be made as provided for in NEI 99-02.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

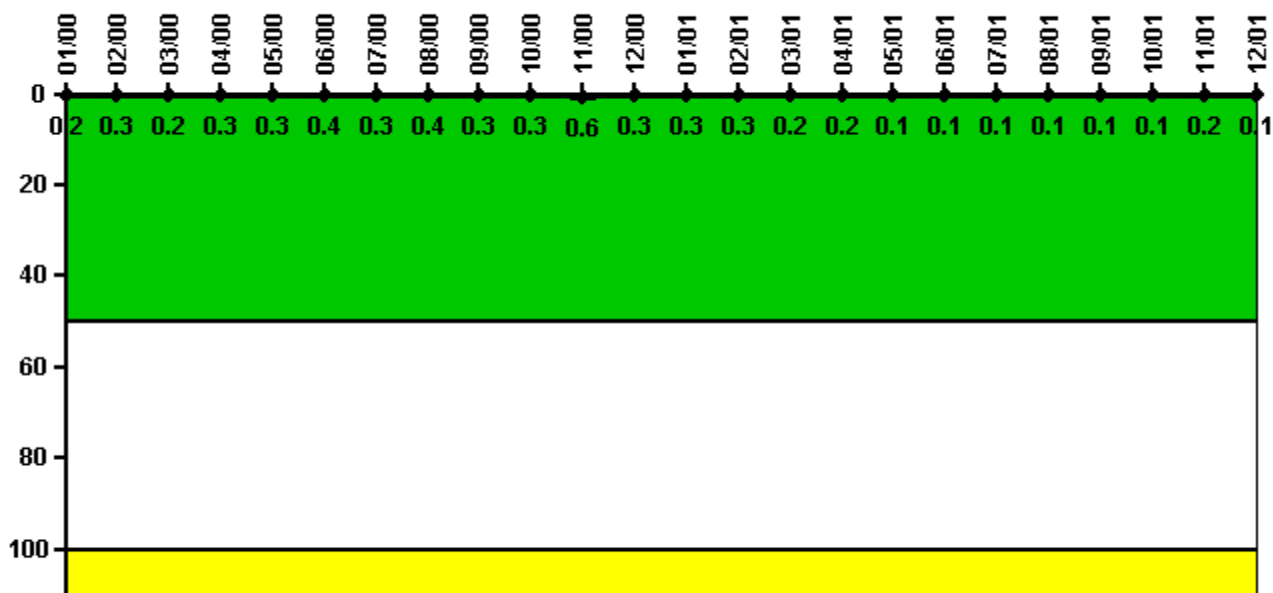
Notes

Safety System Functional Failures (BWR)	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	1	0
Indicator value	3	2	2	0	0	0	1	1

Licensee Comments:

4Q/00: Revised Data: For 12/2000 - An event involving Emergency Service Water operability was initially reported as a Loss of Safety Function as well as Outside the Design Basis (LER 2000-005). Subsequent analysis determined that no loss of safety function occurred and the LER was supplemented to retract that portion of the report (LER 2000-005-01). The NRC closed the LER in Inspection Report 2000-013, dated 12/11/01. Therefore, the SSFF that had been recorded for 12/2000 has been removed. This does not affect the indicator color.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

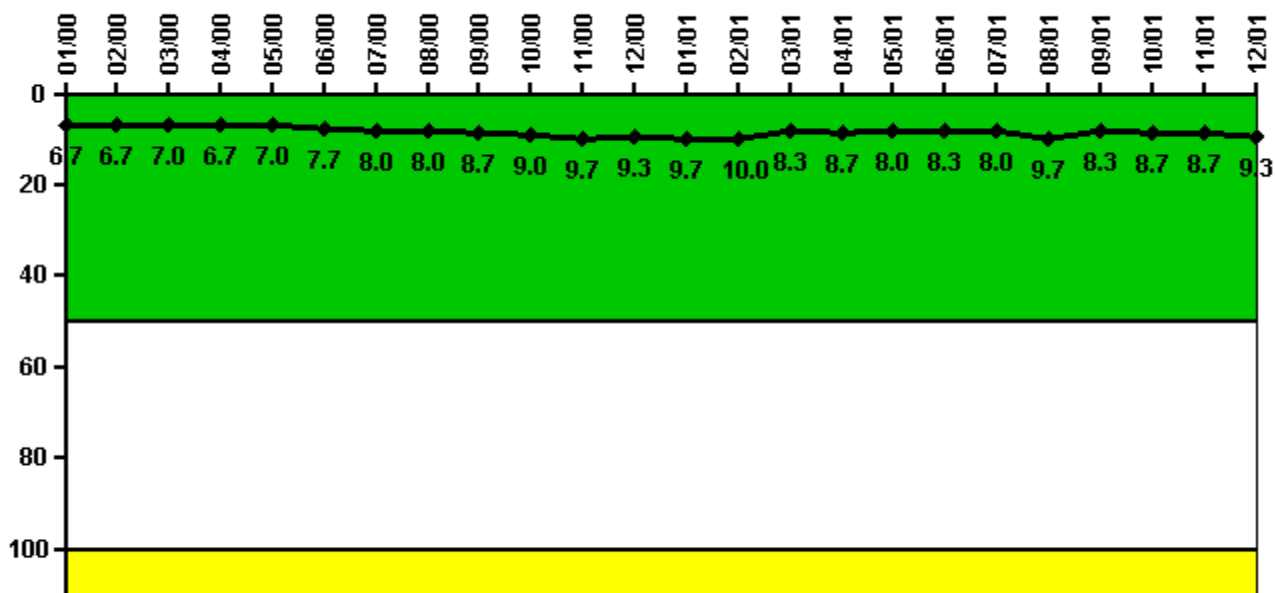
Notes

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	0.000380	0.000613	0.000389	0.000561	0.000616	0.000778	0.000663	0.000777	0.000615	0.000653	0.001110	0.000656
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.6	0.3

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	0.000635	0.000595	0.000437	0.000392	0.000206	0.000270	0.000258	0.000157	0.000197	0.000173	0.000311	0.000217
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1

Licensee Comments: none

Reactor Coolant System Leakage



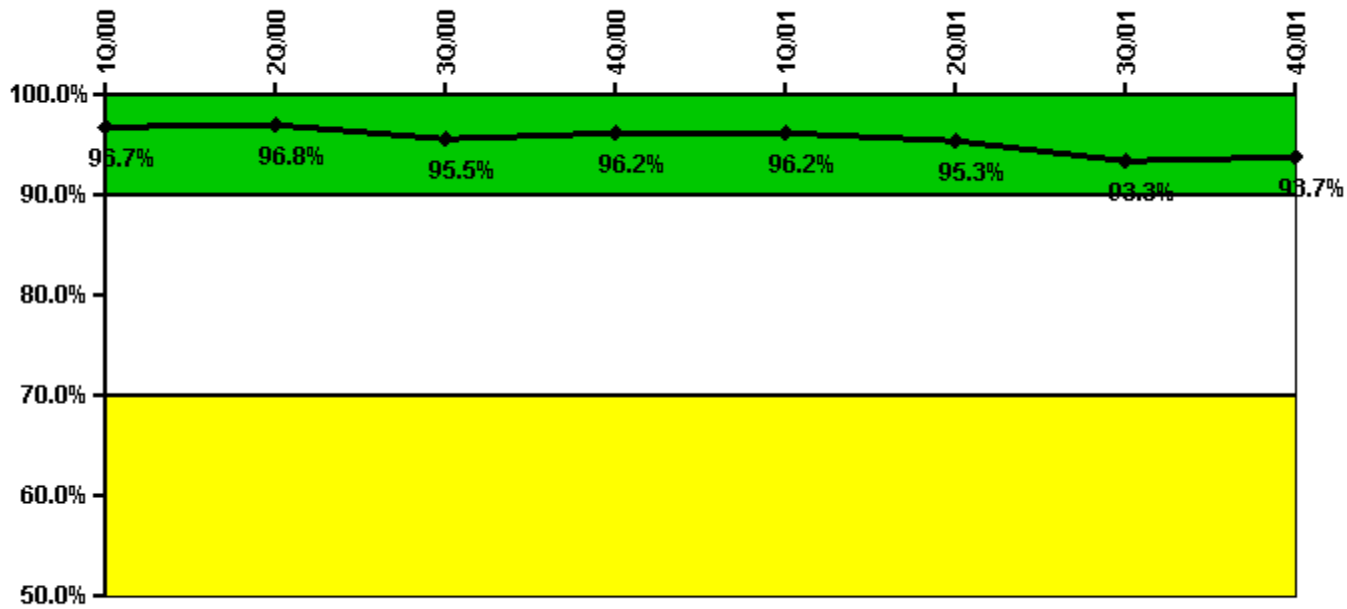
Thresholds: White > 50.0 Yellow > 100.0

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	2.000	2.000	2.100	2.000	2.100	2.300	2.400	2.400	2.600	2.700	2.900	2.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.7	7.0	6.7	7.0	7.7	8.0	8.0	8.7	9.0	9.7	9.3

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	2.900	3.000	2.500	2.600	2.400	2.500	2.400	2.900	2.500	2.600	2.600	2.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.7	10.0	8.3	8.7	8.0	8.3	8.0	9.7	8.3	8.7	8.7	9.3

Licensee Comments: none

Drill/Exercise Performance

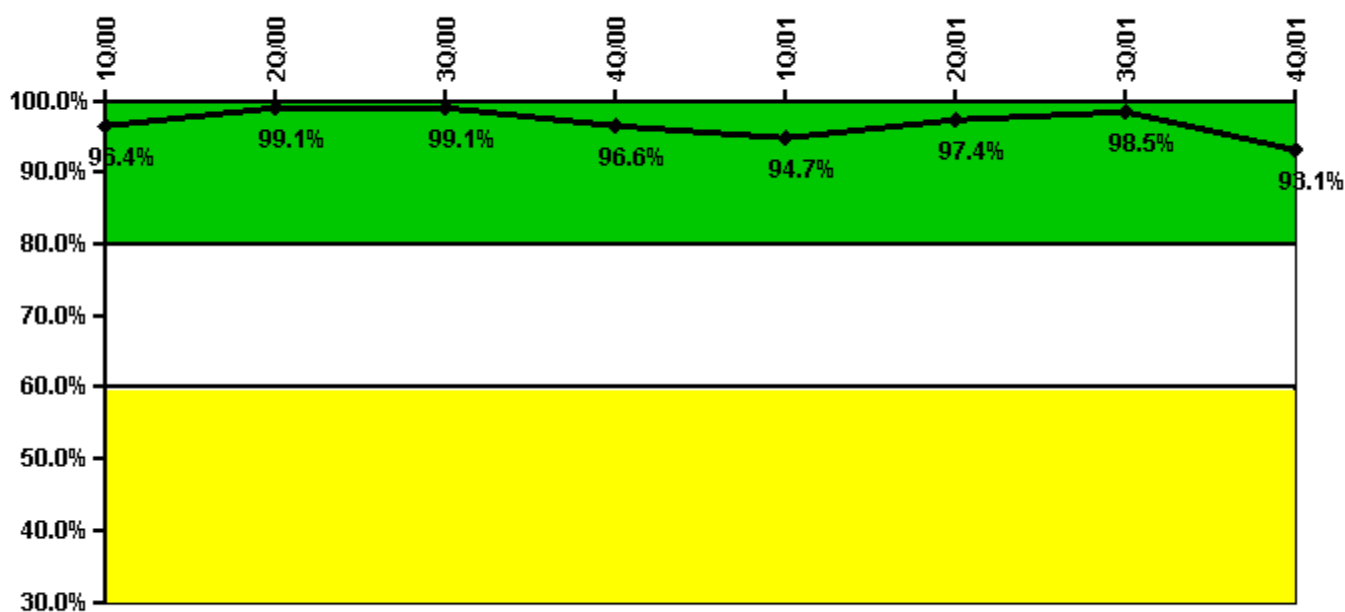
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	23.0	32.0	14.0	45.0	0	13.0	24.0	26.0
Total opportunities	25.0	33.0	16.0	46.0	0	15.0	28.0	26.0
Indicator value	96.7%	96.8%	95.5%	96.2%	96.2%	95.3%	93.3%	93.7%

Licensee Comments: none

ERO Drill Participation



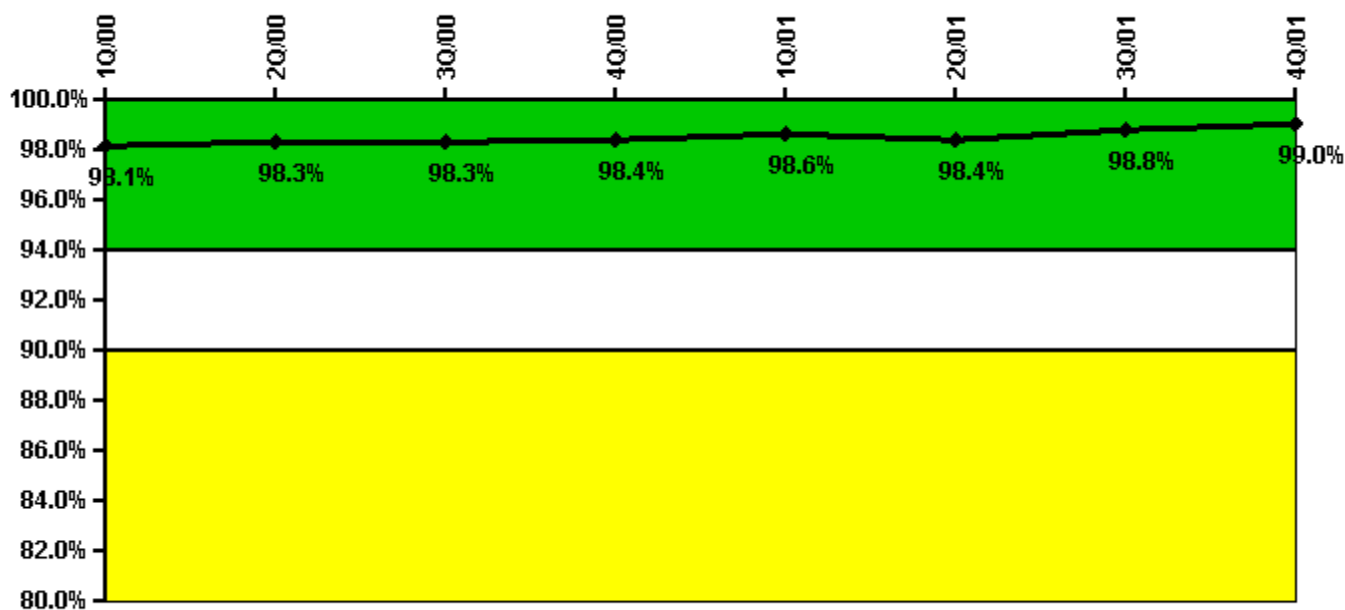
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	106.0	109.0	105.0	113.0	107.0	111.0	134.0	135.0
Total Key personnel	110.0	110.0	106.0	117.0	113.0	114.0	136.0	145.0
Indicator value	96.4%	99.1%	99.1%	96.6%	94.7%	97.4%	98.5%	93.1%

Licensee Comments: none

Alert & Notification System



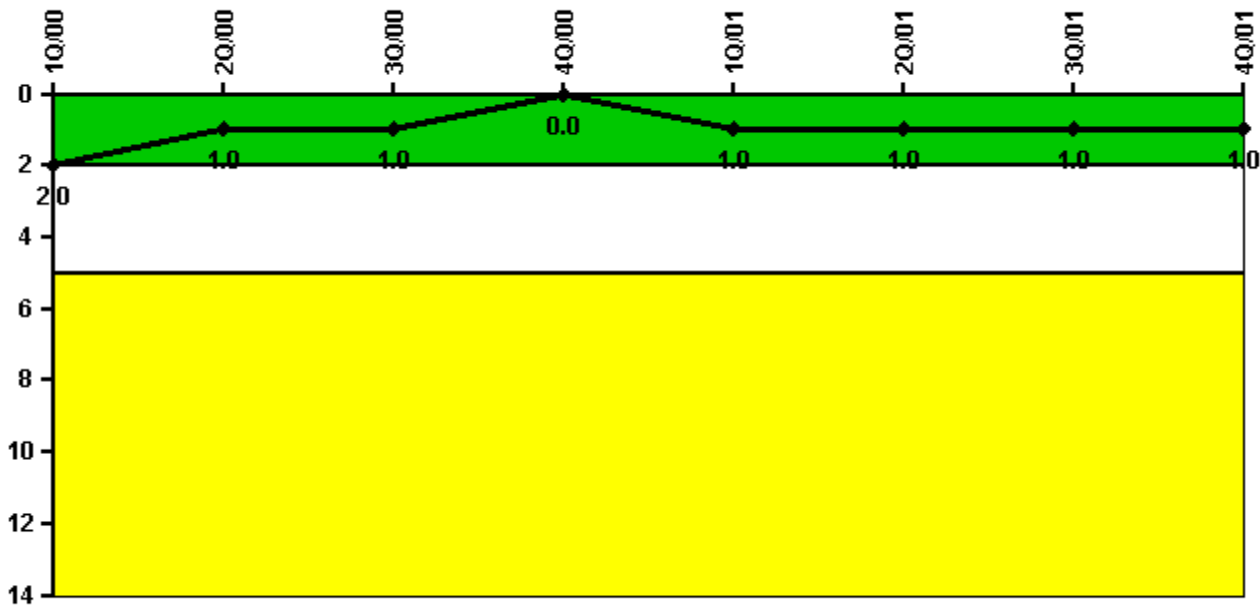
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	525	526	521	523	528	521	530	527
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	98.1%	98.3%	98.3%	98.4%	98.6%	98.4%	98.8%	99.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness

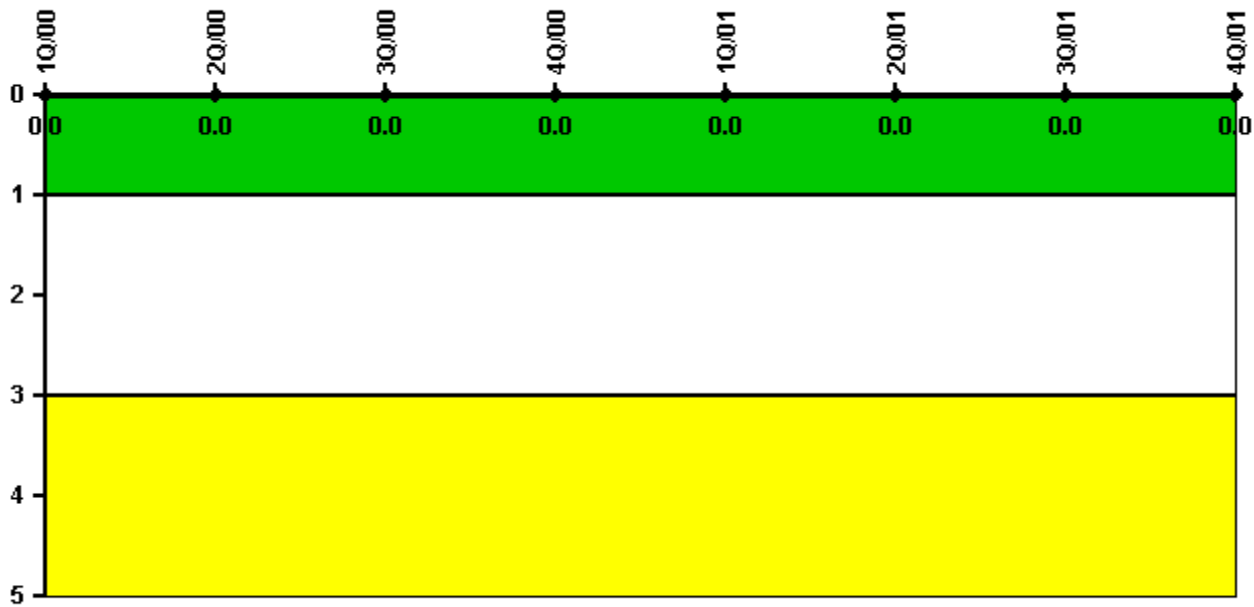


Thresholds: White > 2.0 Yellow > 5.0

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	2	1	1	0	1	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent

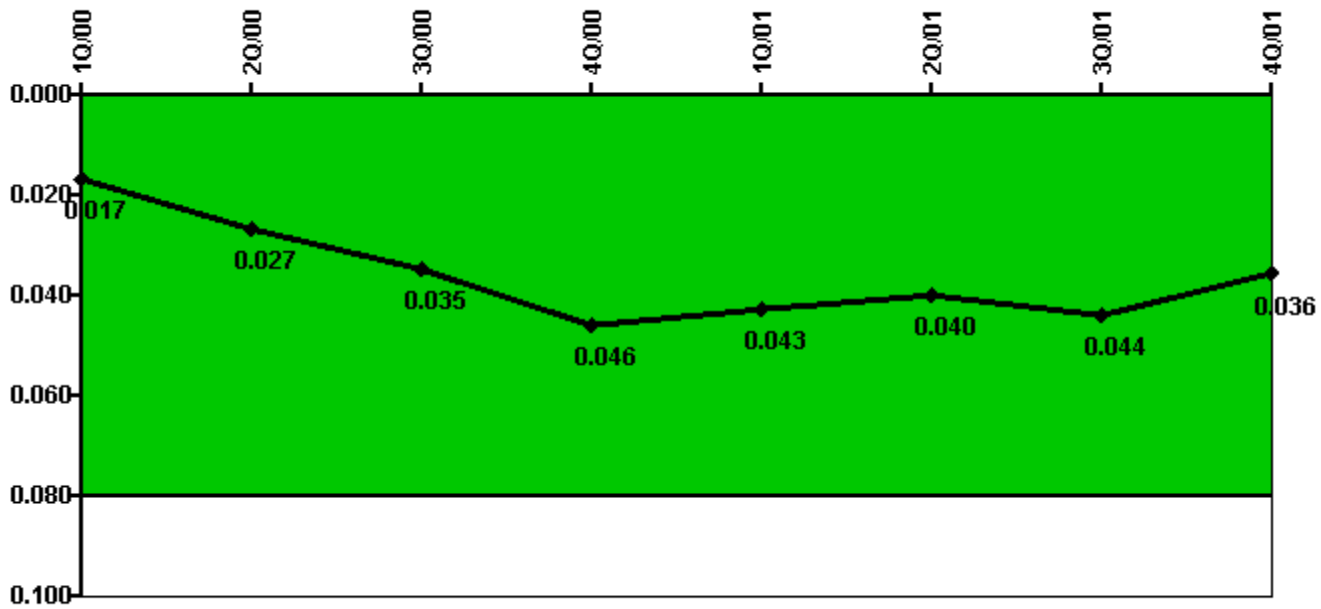
Thresholds: White > 1.0 Yellow > 3.0

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



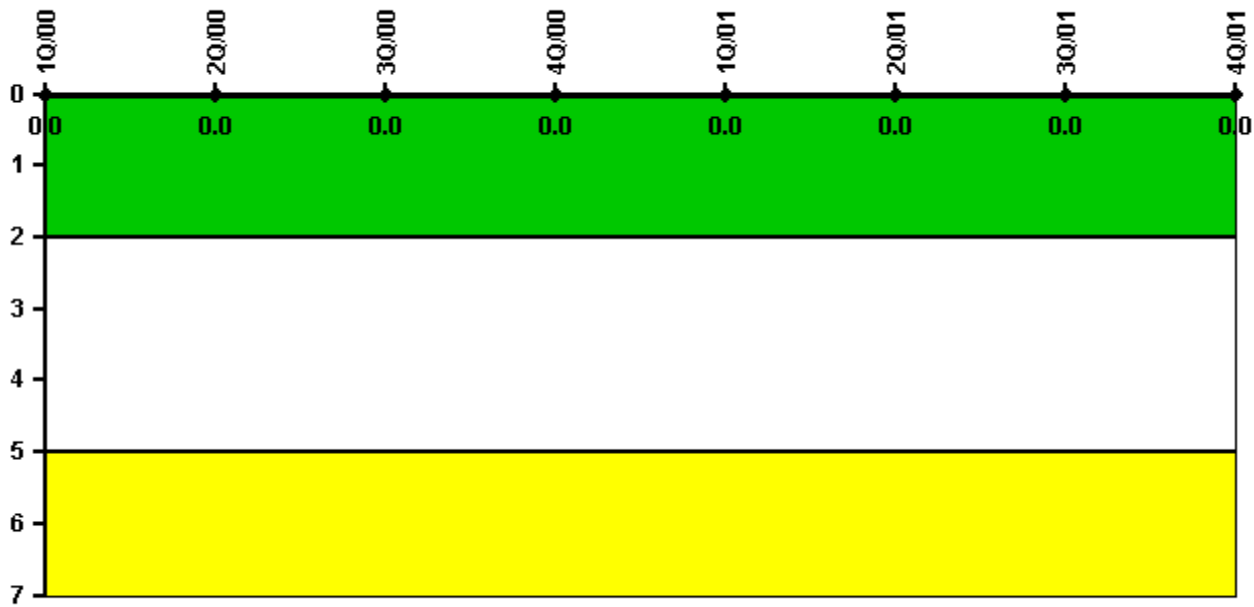
Thresholds: White > 0.080

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	143.80	263.20	221.30	208.70	59.40	197.50	289.60	105.70
CCTV compensatory hours	2.8	0	6.0	36.2	28.5	1.0	14.3	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.017	0.027	0.035	0.046	0.043	0.040	0.044	0.036

Licensee Comments: none

Personnel Screening Program



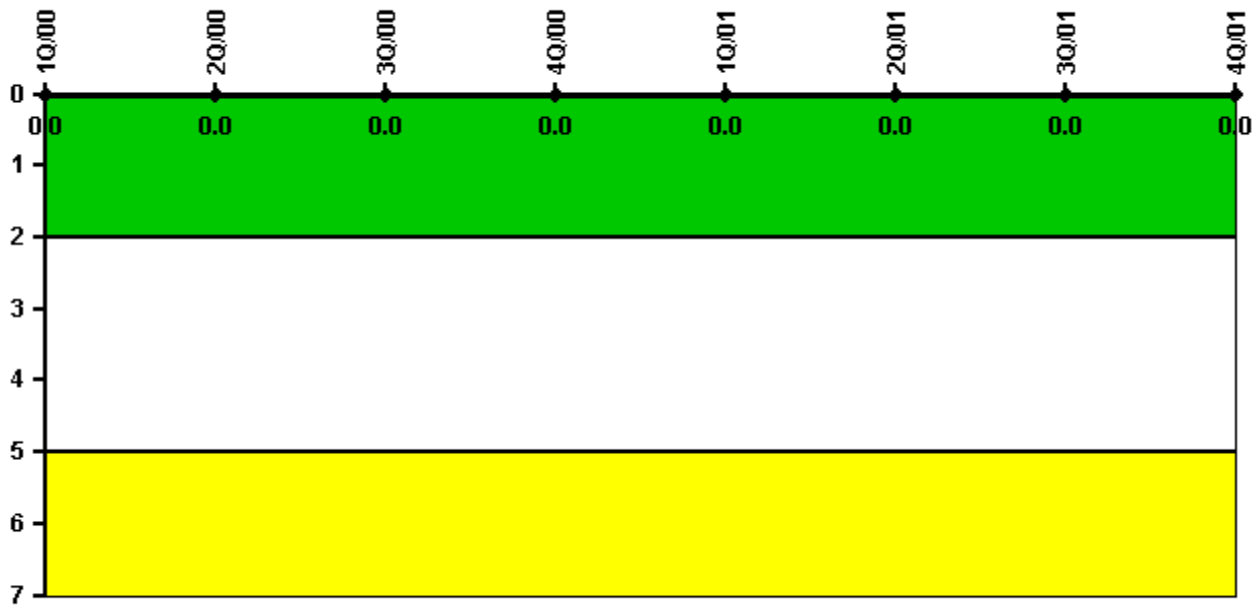
Thresholds: White > 2.0 Yellow > 5.0

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](#)

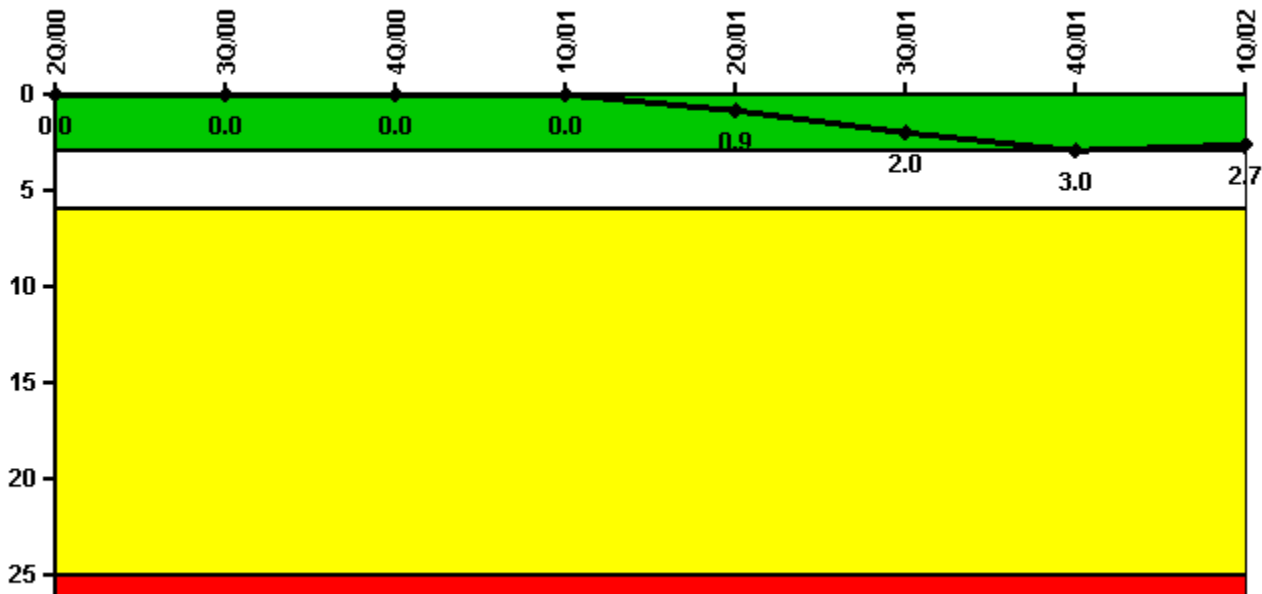
Last Modified: March 15, 2002

Perry 1

1Q/2002 Performance Indicators

Licensee's General Comments: An issue is under evaluation regarding the assessment of mitigating system unavailability during testing activities which may affect previously reported performance indicator data. It is expected that this evaluation will be completed prior to the next quarterly submittal, and any necessary changes will be made at that time. Although not expected, should a change in indicator color occur as a result of these corrections, a mid-quarter report would be submitted as soon as such a change would be identified.

Unplanned Scrams per 7000 Critical Hrs



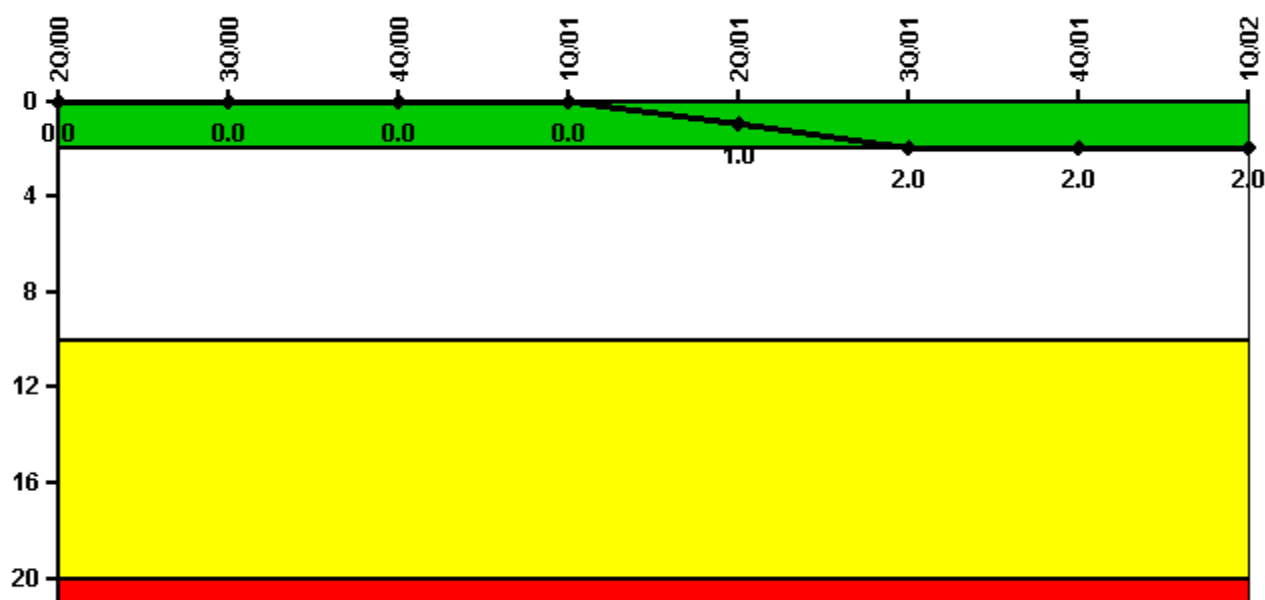
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	1.0	1.0	1.0	0
Critical hours	1924.0	2208.0	2209.0	1380.6	1640.9	1798.9	2156.2	2160.0
Indicator value	0	0	0	0	0.9	2.0	3.0	2.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

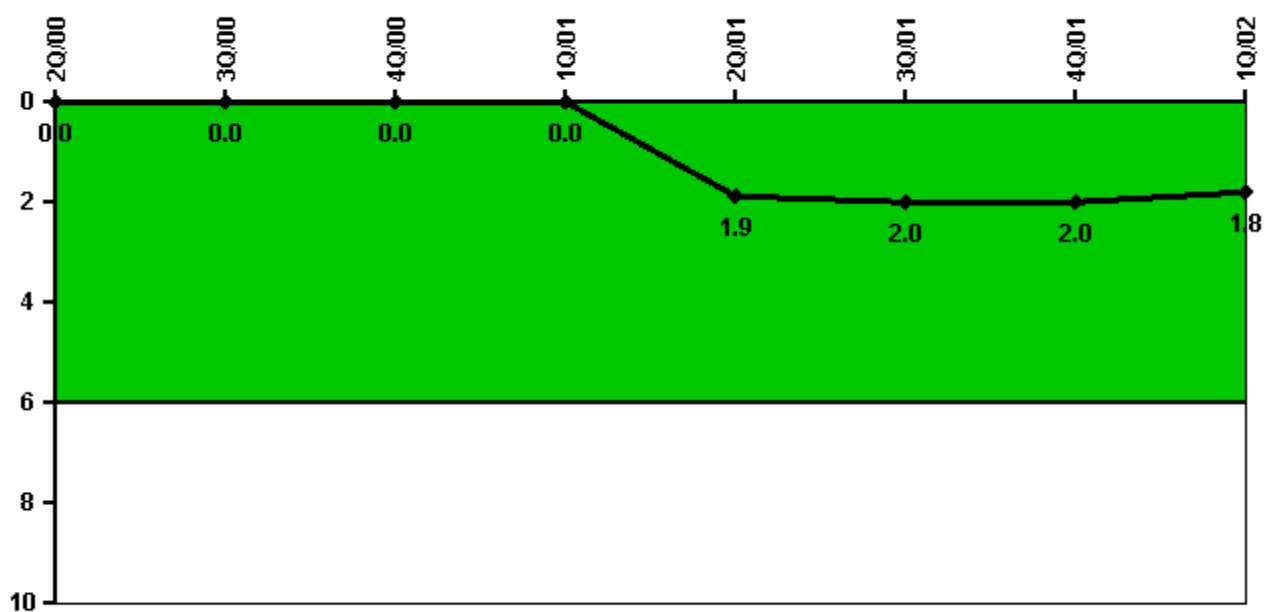
Scrams with Loss of Normal Heat Removal	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	0	0	0	0	1.0	1.0	0	0
Indicator value	0	0	0	0	1.0	2.0	2.0	2.0

Licensee Comments:

1Q/02: Questions have arisen regarding the assessment of a December 15, 2001, scram against this performance indicator. The potential issue has been submitted for clarification and resolution using the FAQ process. Should any changes to previously submitted data be necessary that would result in a change to the indicator color, the data will be updated as soon as possible, in accordance with guidance in NEI 99-02.

4Q/01: Comment date 3/04/02: Questions have arisen regarding the assessment of a December 15, 2001, scram against this performance indicator. The potential issue has been submitted for clarification and resolution using the FAQ process. Should any changes to previously submitted data be necessary that would result in a change to the indicator color, the data will be updated as soon as possible, in accordance with guidance in NEI 99-02.

Unplanned Power Changes per 7000 Critical Hrs



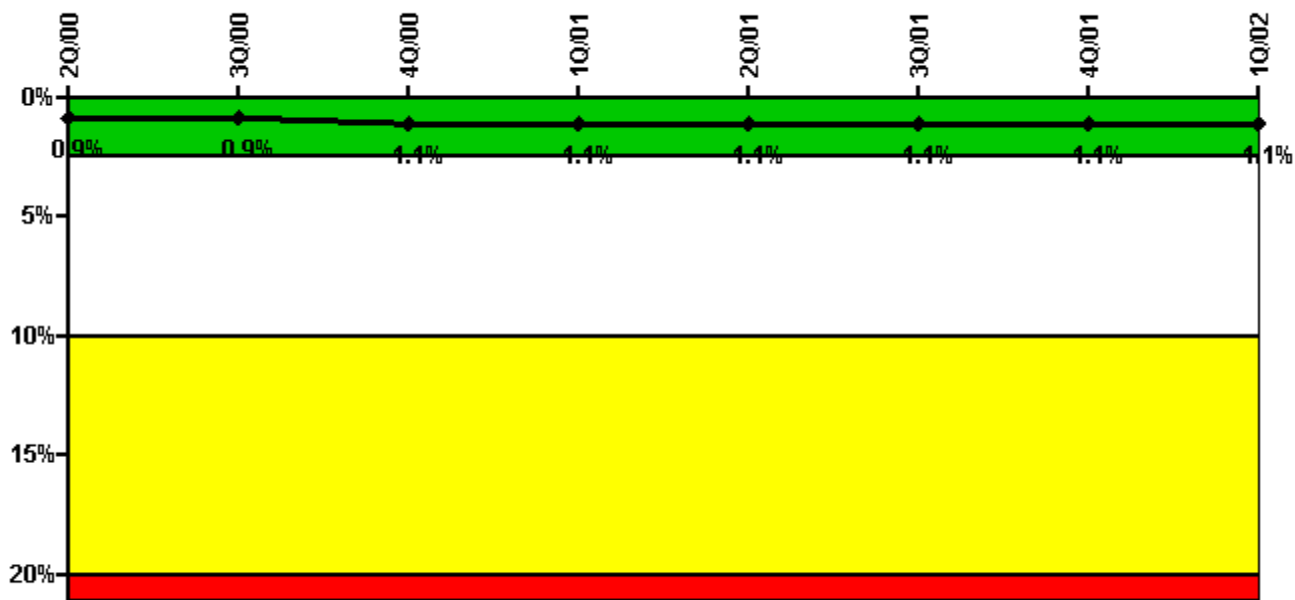
Thresholds: White > 6.0

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	2.0	0	0	0
Critical hours	1924.0	2208.0	2209.0	1380.6	1640.9	1798.9	2156.2	2160.0
Indicator value	0	0	0	0	1.9	2.0	2.0	1.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



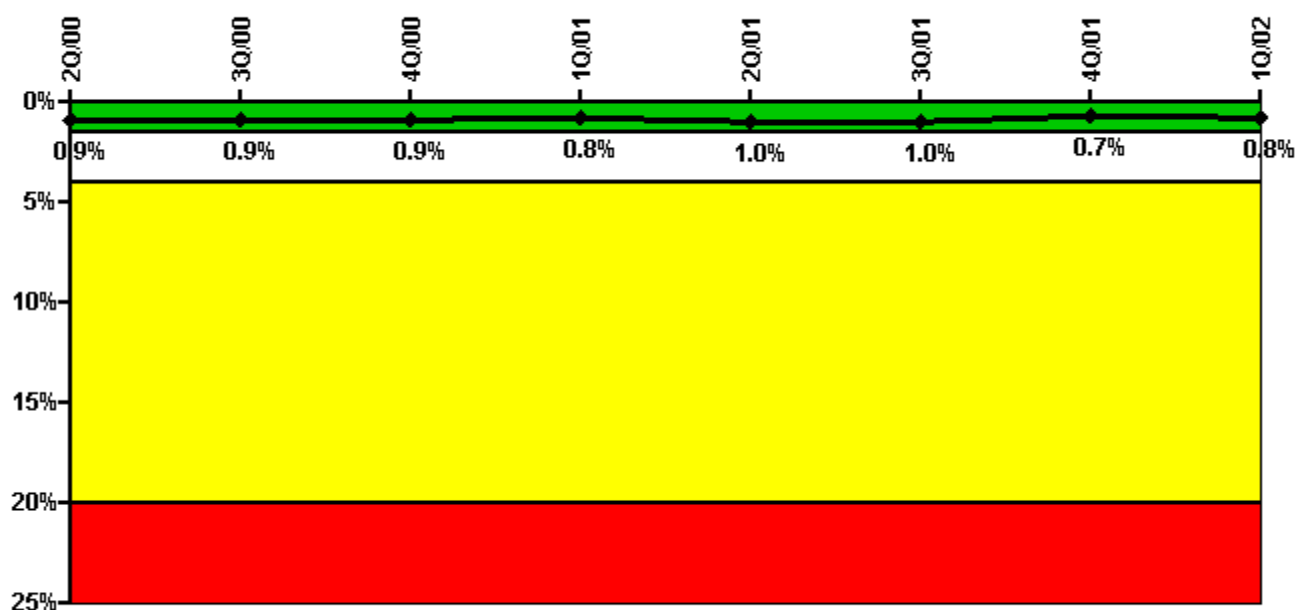
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	7.79	51.85	4.75	6.97	5.87	53.05	15.95	25.00
Unplanned unavailable hours	0	0	0	0	13.92	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	8.04	4.30	34.35	14.57	7.56	17.10	64.51	6.74
Unplanned unavailable hours	0	0	122.83	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 3								
Planned unavailable hours	71.59	1.74	25.72	1.00	33.69	12.15	2.15	1.44
Unplanned unavailable hours	0	0	0	0	0	4.58	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.9%	0.9%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



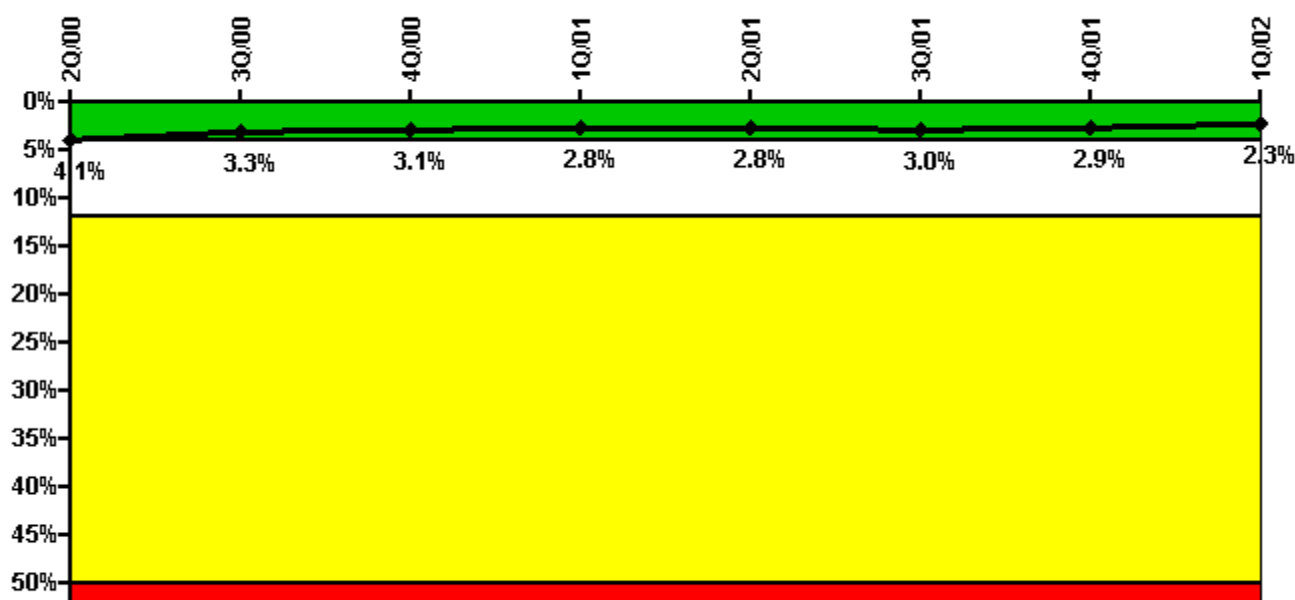
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	52.40	1.50	9.07	1.18	31.13	0	0	45.10
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	1924.00	2208.00	2209.00	1380.60	1640.90	1798.90	2156.20	2160.00
Indicator value	0.9%	0.9%	0.9%	0.8%	1.0%	1.0%	0.7%	0.8%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

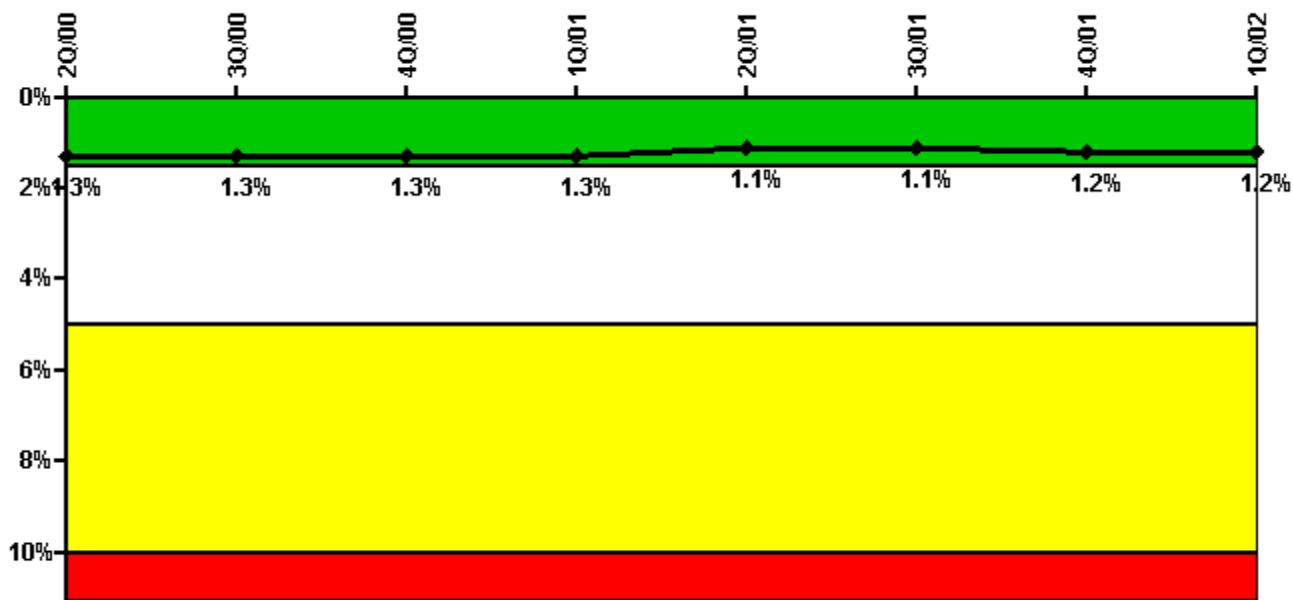
Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	2.60	60.92	16.56	60.75	39.38	42.53	0	113.31
Unplanned unavailable hours	29.20	0	0	0	0	2.90	0	3.31
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1924.00	2208.00	2209.00	1380.60	1640.90	1798.90	2156.20	2160.00
Indicator value	4.1%	3.3%	3.1%	2.8%	2.8%	3.0%	2.9%	2.3%

Licensee Comments:

1Q/02: Engineering analysis of the impact of a support system component on unavailability is not complete, and may result in additional unplanned unavailable hours and/or fault exposure. This information will be included in the next quarterly report.

Safety System Unavailability, Residual Heat Removal System



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

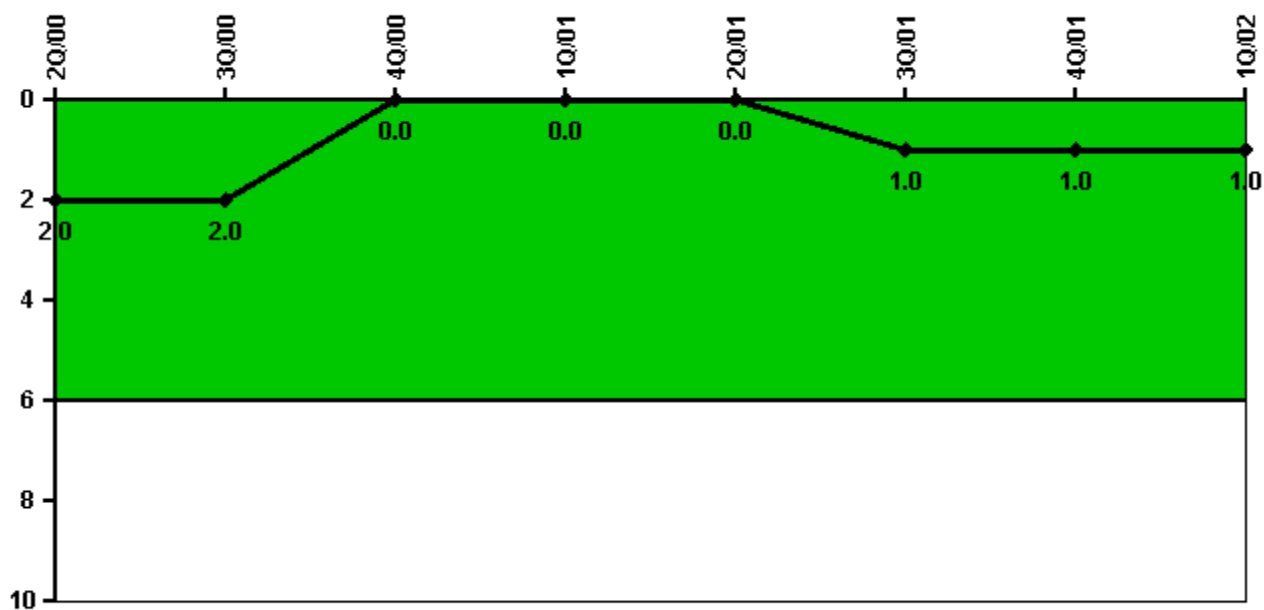
Notes

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	6.46	84.67	15.28	3.65	4.87	82.80	9.60	0
Unplanned unavailable hours	0	0	0	0.85	0	0	0	8.30
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	12.80	50.50	0.50	0	0.55	41.42	0
Unplanned unavailable hours	0	0	11.92	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	1.3%	1.3%	1.3%	1.3%	1.1%	1.1%	1.2%	1.2%

Licensee Comments:

1Q/02: Engineering analysis of the impact of a support system component on unavailability is not complete, and may result in additional unplanned unavailable hours and/or fault exposure. This information will be included in the next quarterly report.

Safety System Functional Failures (BWR)



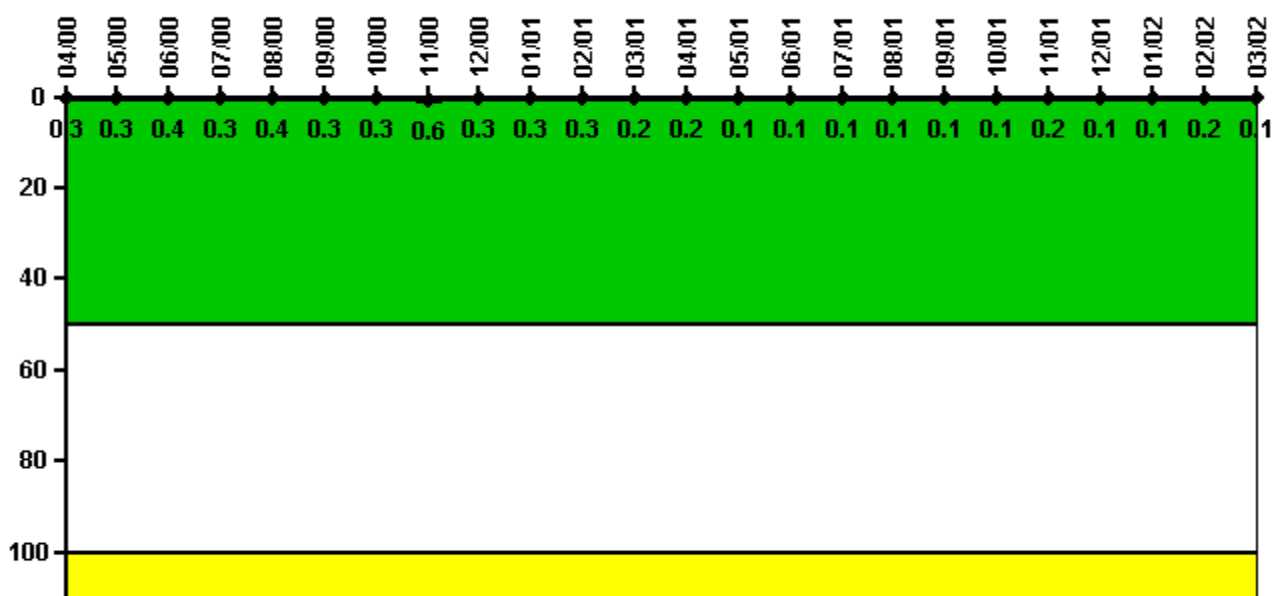
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	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	1	0	0
Indicator value	2	2	0	0	0	1	1	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

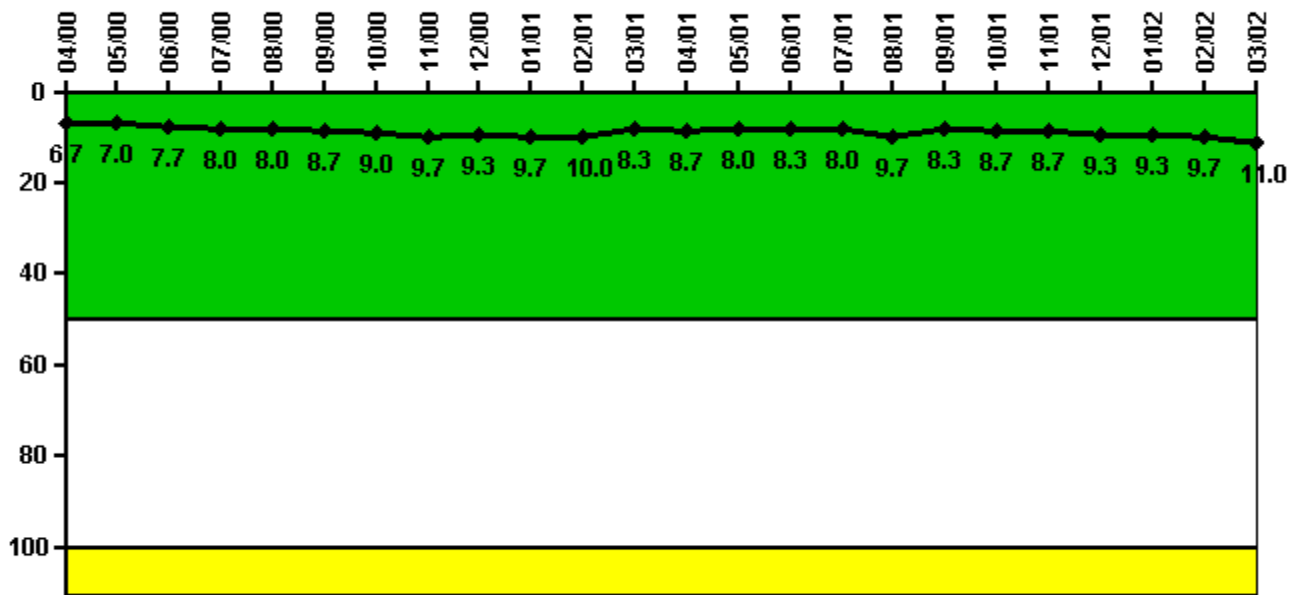
Notes

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	0.000561	0.000616	0.000778	0.000663	0.000777	0.000615	0.000653	0.001110	0.000656	0.000635	0.000595	0.000437
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.6	0.3	0.3	0.3	0.2

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	0.000392	0.000206	0.000270	0.000258	0.000157	0.000197	0.000173	0.000311	0.000217	0.000285	0.000315	0.000214
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1

Licensee Comments: none

Reactor Coolant System Leakage



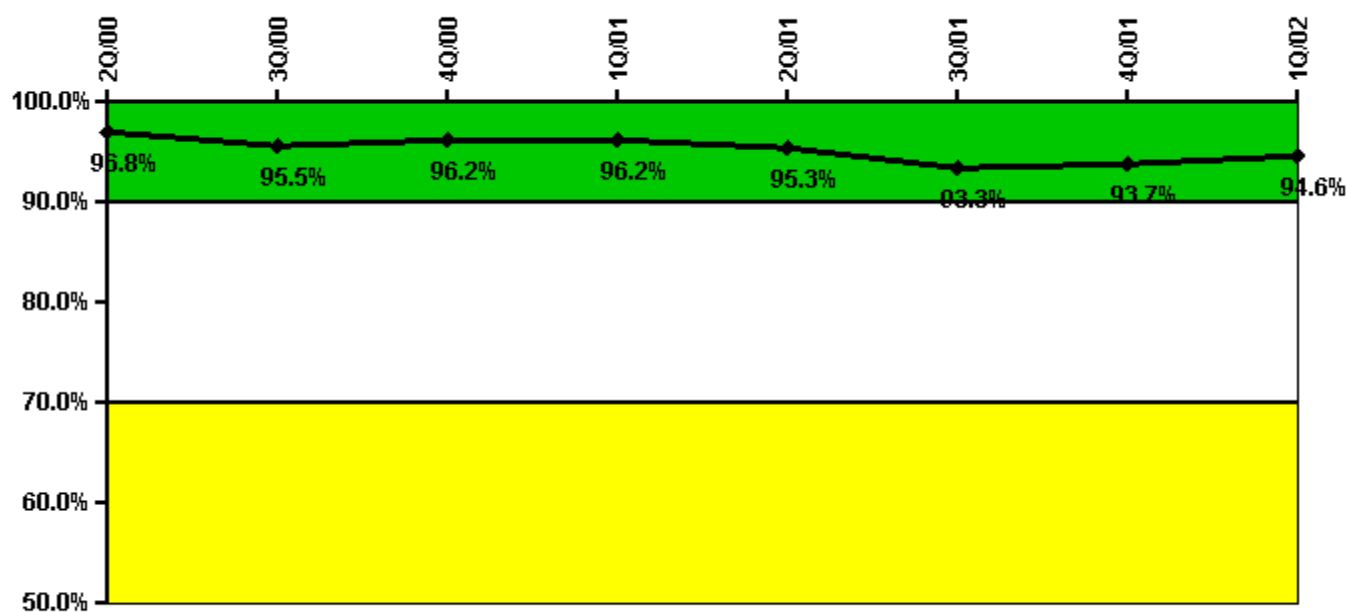
Thresholds: White > 50.0 Yellow > 100.0

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	2.000	2.100	2.300	2.400	2.400	2.600	2.700	2.900	2.800	2.900	3.000	2.500
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	7.0	7.7	8.0	8.0	8.7	9.0	9.7	9.3	9.7	10.0	8.3

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	2.600	2.400	2.500	2.400	2.900	2.500	2.600	2.600	2.800	2.800	2.900	3.300
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.7	8.0	8.3	8.0	9.7	8.3	8.7	8.7	9.3	9.3	9.7	11.0

Licensee Comments: none

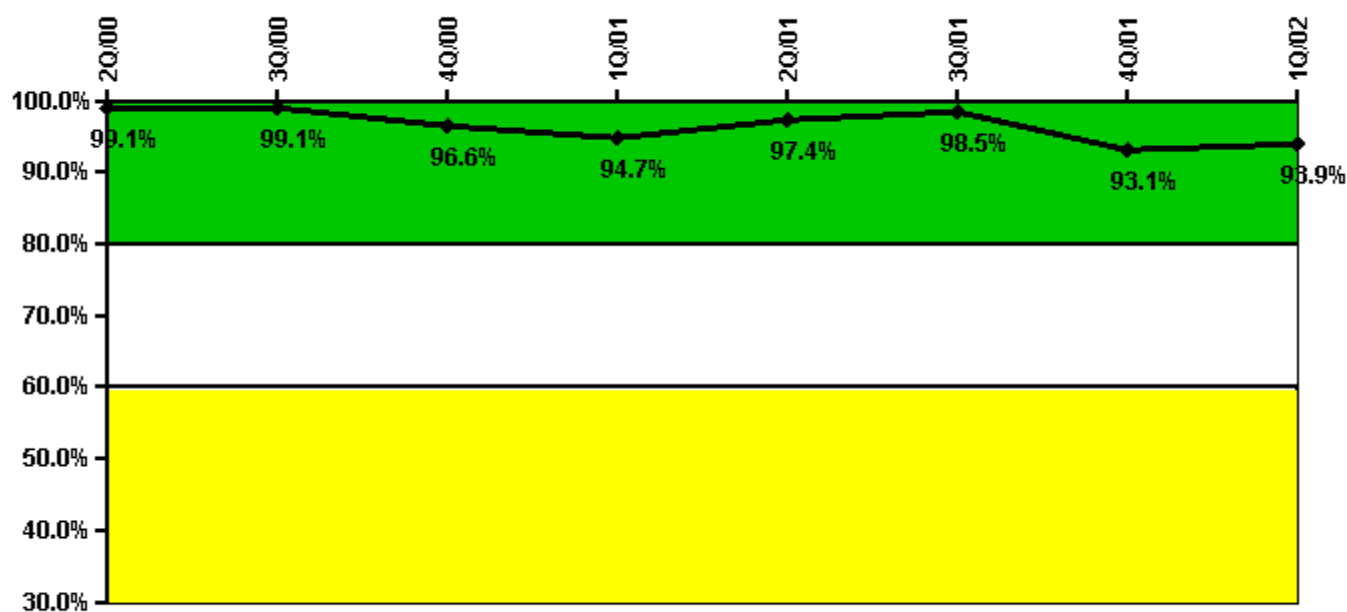
Drill/Exercise Performance

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	32.0	14.0	45.0	0	13.0	24.0	26.0	20.0
Total opportunities	33.0	16.0	46.0	0	15.0	28.0	26.0	20.0
Indicator value	96.8%	95.5%	96.2%	96.2%	95.3%	93.3%	93.7%	94.6%

Licensee Comments: none

ERO Drill Participation

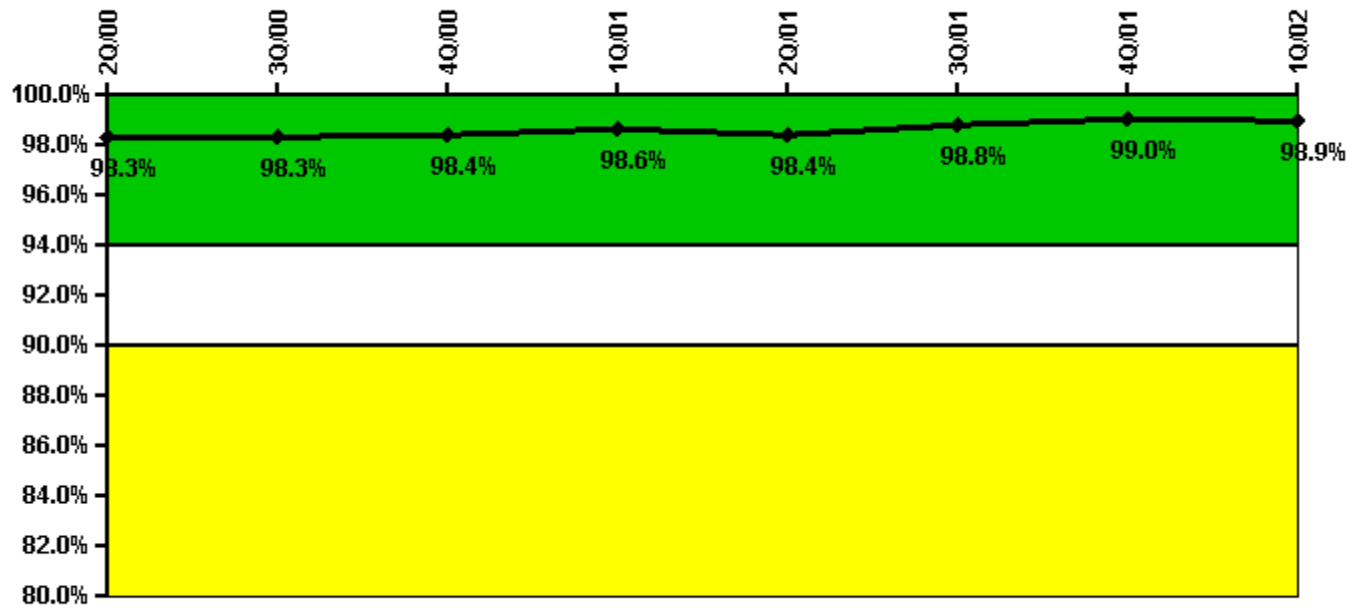
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	109.0	105.0	113.0	107.0	111.0	134.0	135.0	139.0
Total Key personnel	110.0	106.0	117.0	113.0	114.0	136.0	145.0	148.0
Indicator value	99.1%	99.1%	96.6%	94.7%	97.4%	98.5%	93.1%	93.9%

Licensee Comments: none

Alert & Notification System



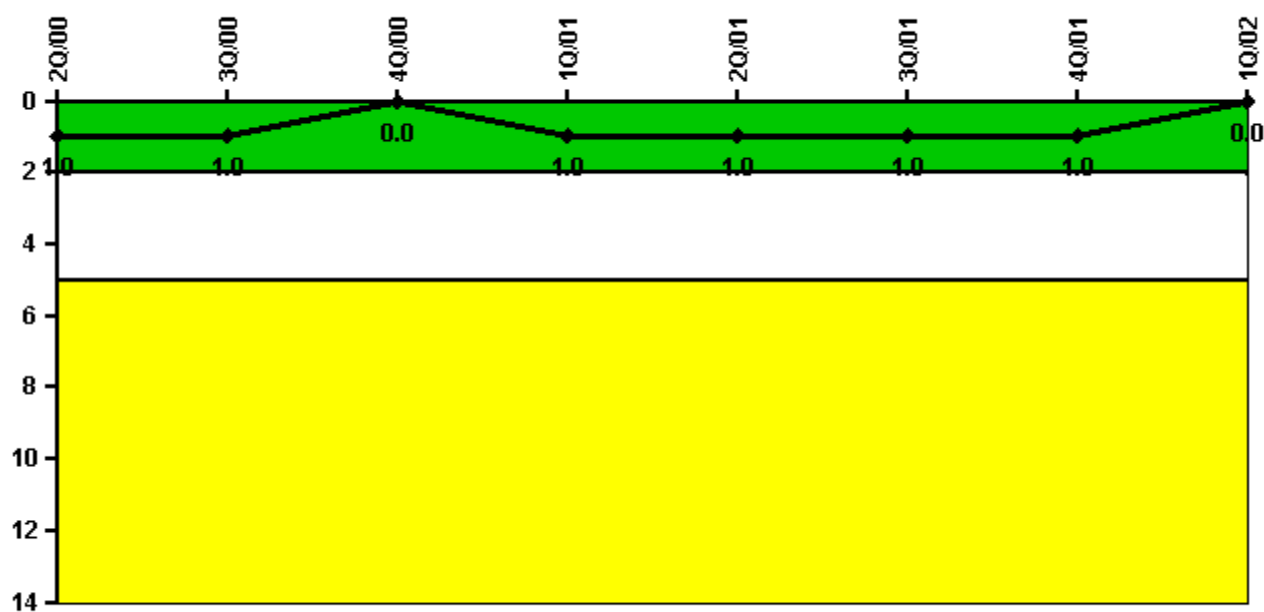
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	526	521	523	528	521	530	527	526
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	98.3%	98.3%	98.4%	98.6%	98.4%	98.8%	99.0%	98.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

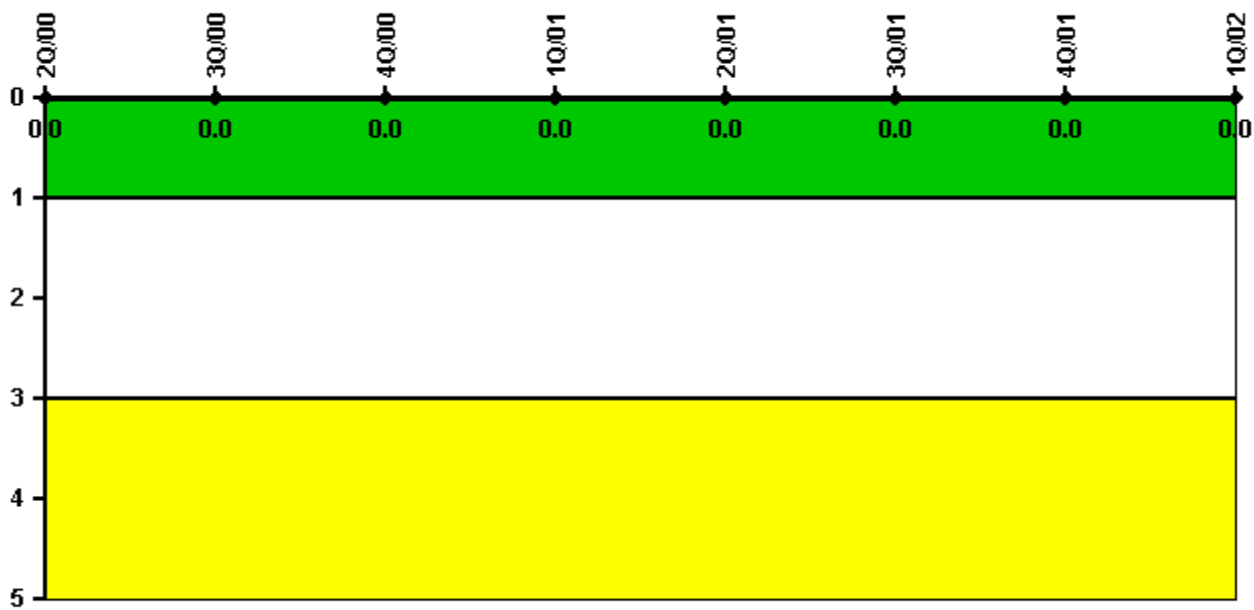


Thresholds: White > 2.0 Yellow > 5.0

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	1	1	0	1	1	1	1	0

Licensee Comments: none

RETS/ODCM Radiological Effluent

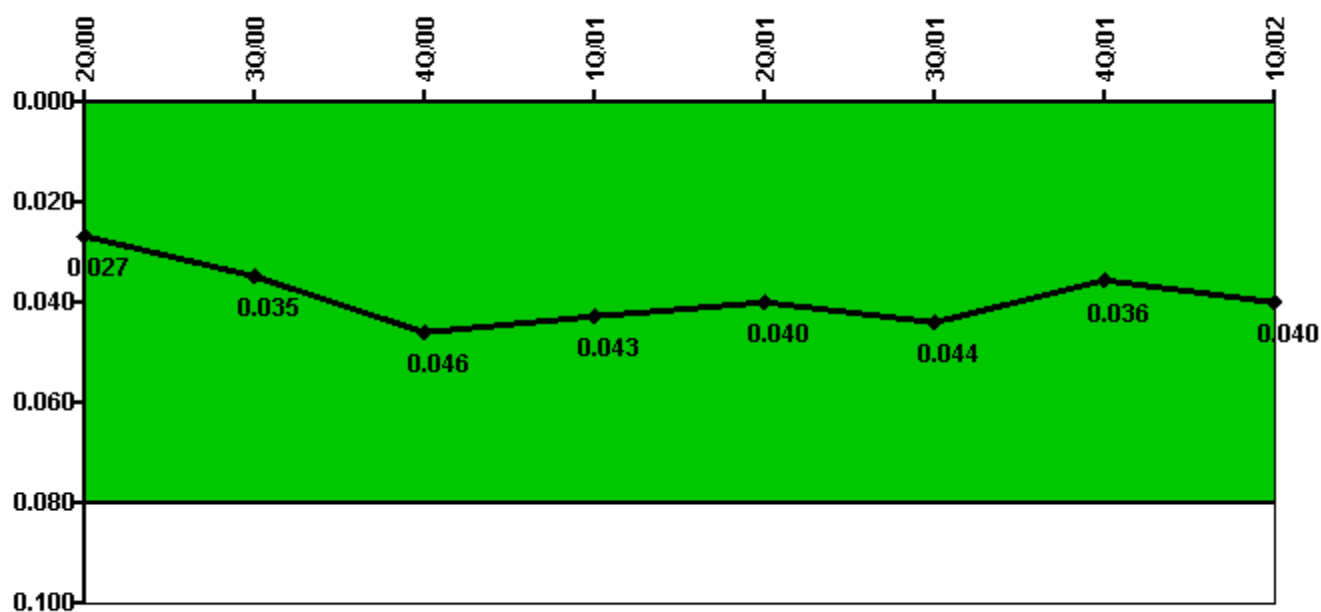
Thresholds: White > 1.0 Yellow > 3.0

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



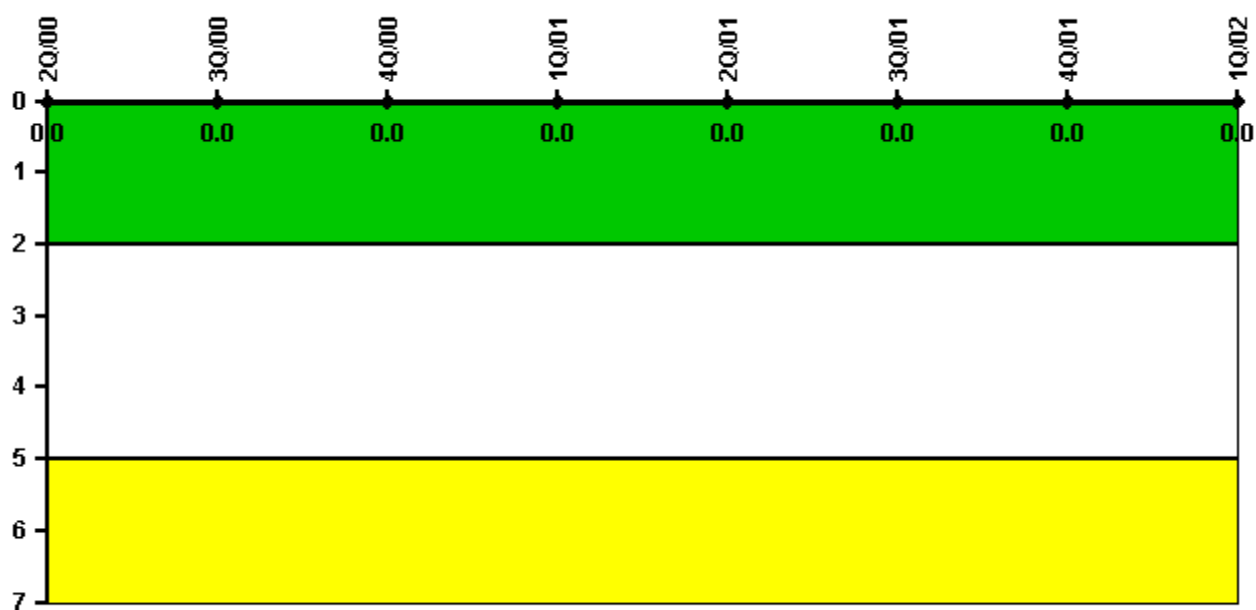
Thresholds: White > 0.080

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	263.20	221.30	208.70	59.40	197.50	289.60	105.70	149.40
CCTV compensatory hours	0	6.0	36.2	28.5	1.0	14.3	0	17.3
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.027	0.035	0.046	0.043	0.040	0.044	0.036	0.040

Licensee Comments: none

Personnel Screening Program

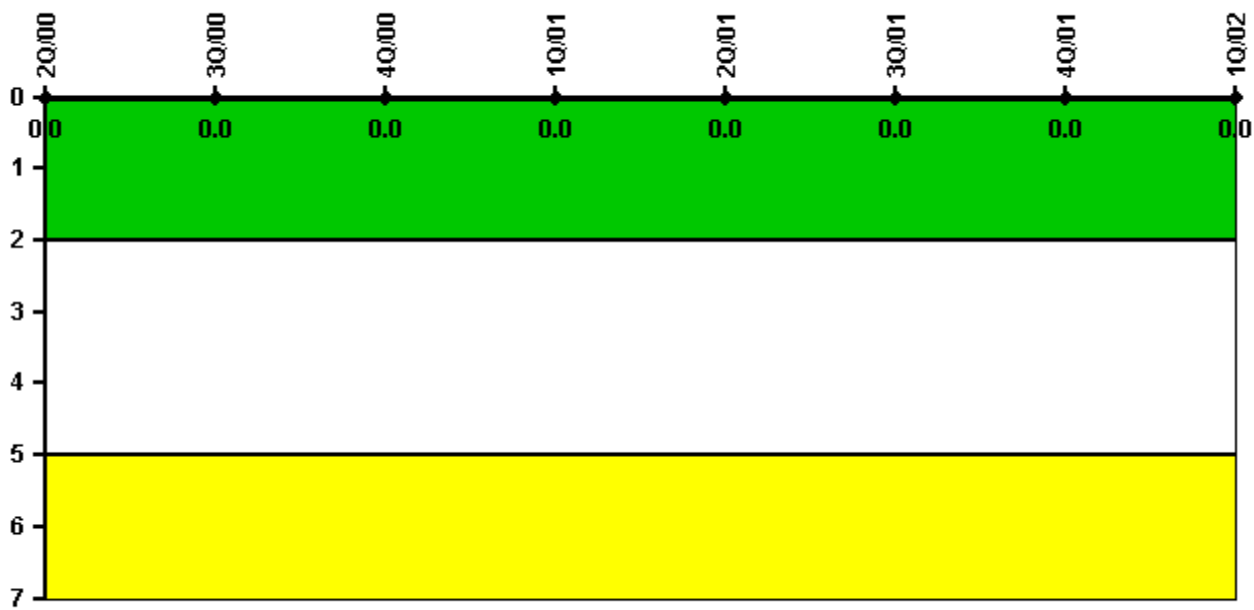


Thresholds: White > 2.0 Yellow > 5.0

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](#)

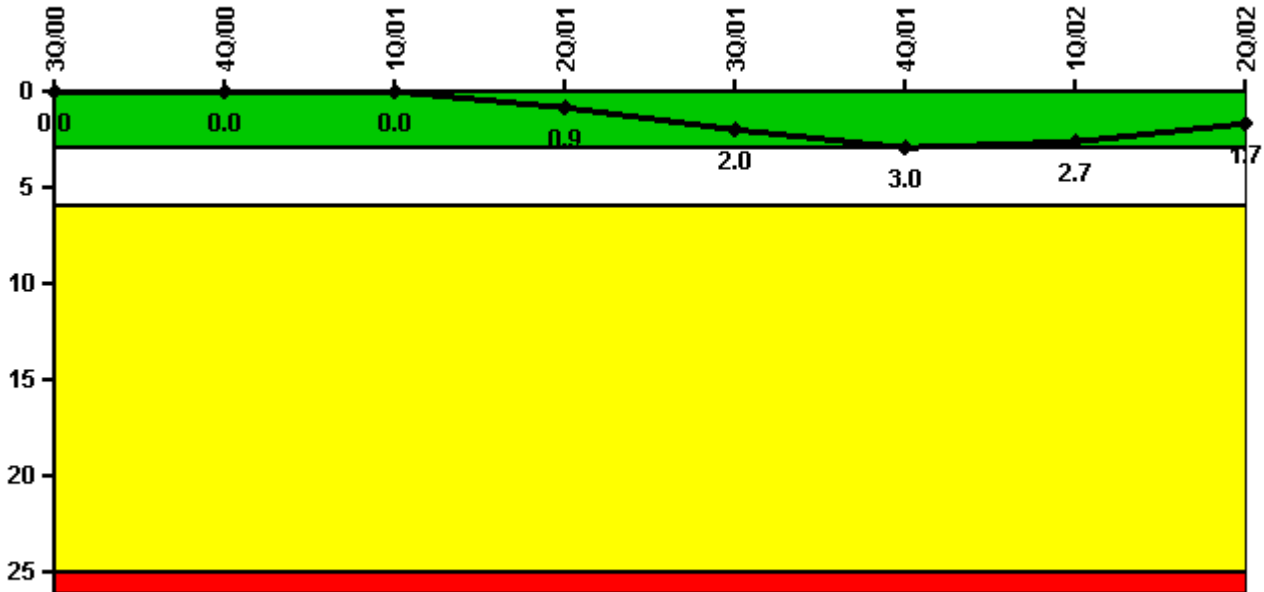
Last Modified: May 1, 2002

Perry 1

2Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



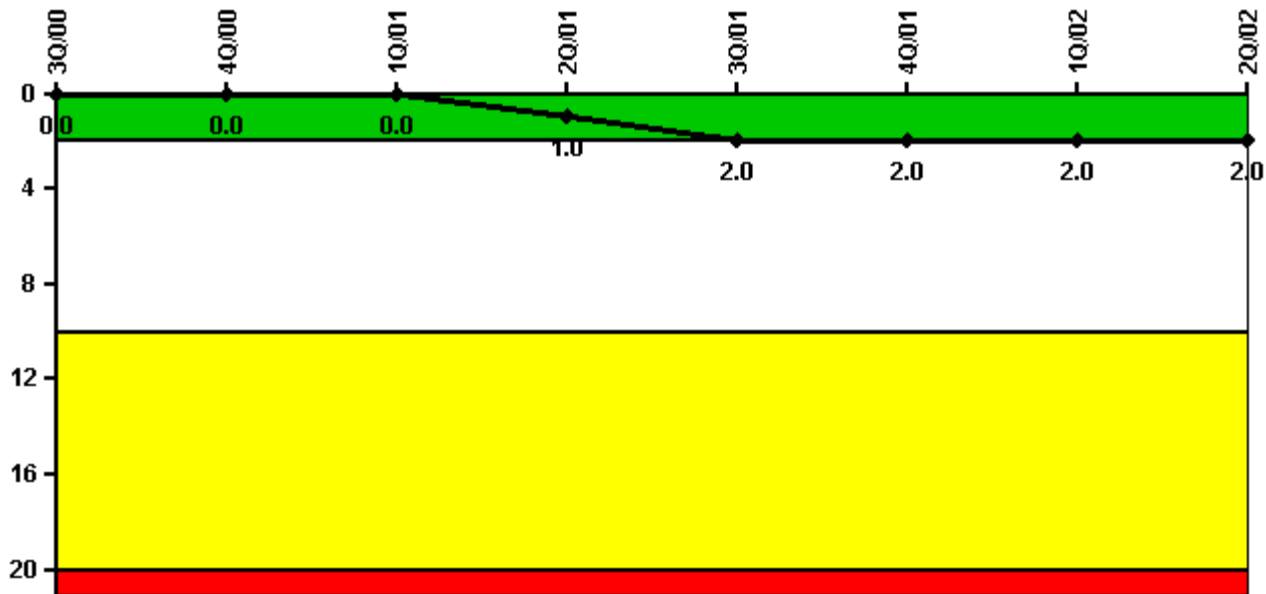
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	1.0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	1380.6	1640.9	1798.9	2156.2	2160.0	2026.0
Indicator value	0	0	0	0.9	2.0	3.0	2.7	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

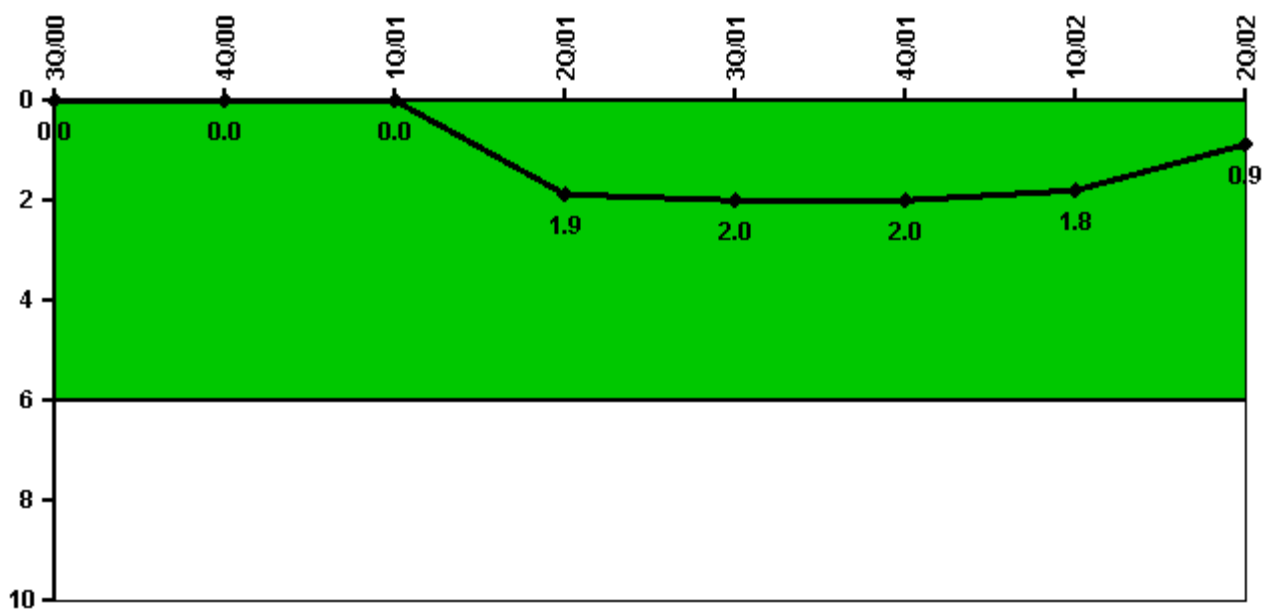
Notes

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

Licensee Comments:

2Q/02: Questions arose during the 1st Quarter 2002 regarding the assessment of a December 15, 2001, scram against this performance indicator. The potential issue was submitted for clarification and remains under consideration using the FAQ process. Should any changes to previously submitted data be necessary that would result in a change to the indicator color, the data will be updated as soon as possible, in accordance with guidance in NEI 99-02.

Unplanned Power Changes per 7000 Critical Hrs



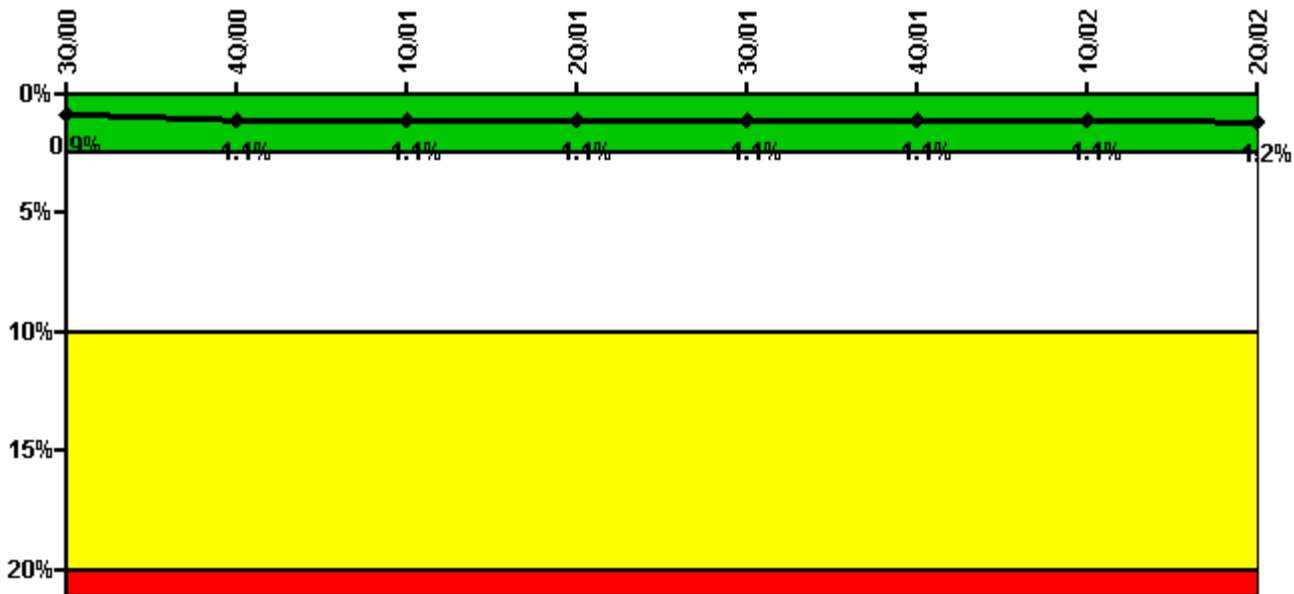
Thresholds: White > 6.0

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	2.0	0	0	0	1.0
Critical hours	2208.0	2209.0	1380.6	1640.9	1798.9	2156.2	2160.0	2026.0
Indicator value	0	0	0	1.9	2.0	2.0	1.8	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



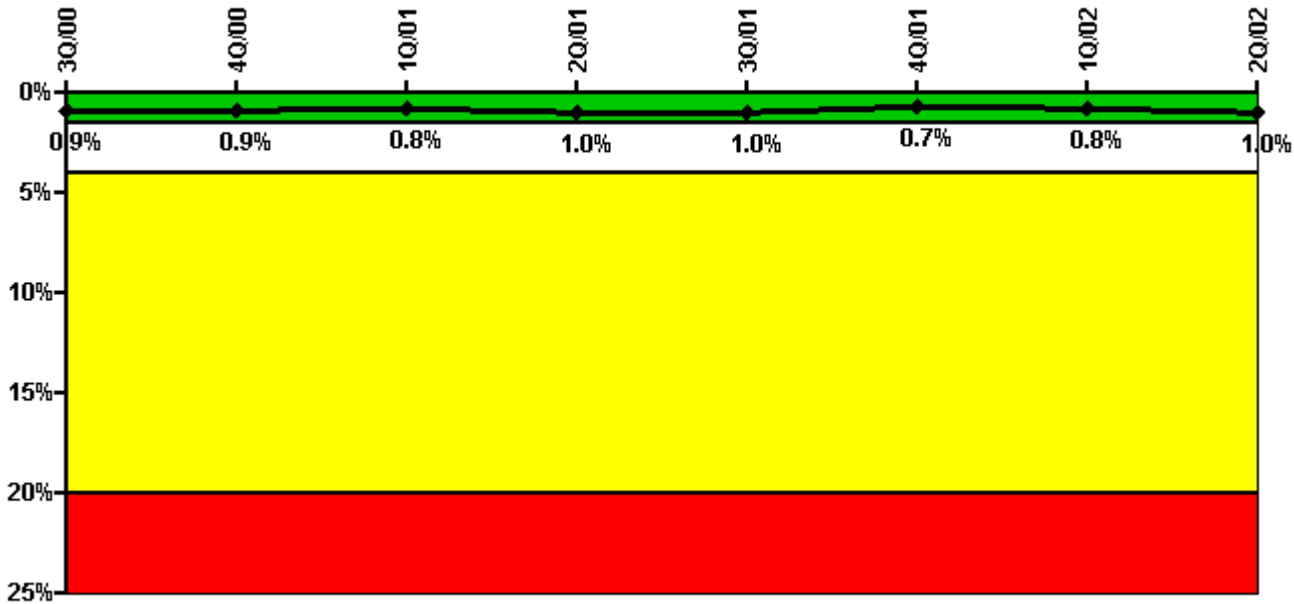
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	51.85	4.75	6.97	5.87	53.05	15.95	25.00	58.03
Unplanned unavailable hours	0	0	0	13.92	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	4.30	34.35	14.57	7.56	17.10	64.51	6.74	20.78
Unplanned unavailable hours	0	122.83	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 3								
Planned unavailable hours	1.74	25.72	1.00	33.69	12.15	2.15	1.44	1.26
Unplanned unavailable hours	0	0	0	0	4.58	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.9%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	1.80	9.07	1.48	31.13	2.74	1.22	45.10	97.85
Unplanned unavailable hours	0	0	0	0	0	0	0	4.15
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	1380.60	1640.90	1798.90	2156.20	2160.00	2026.00
Indicator value	0.9%	0.9%	0.8%	1.0%	1.0%	0.7%	0.8%	1.0%

Licensee Comments:

2Q/02: Historical data correction: As a result of additional review of unavailability associated with system testing, previously reported data for the period from July 2000 through December 2001 has been adjusted with an additional 4.6 hours of unavailability. These changes do not affect the indicator color.

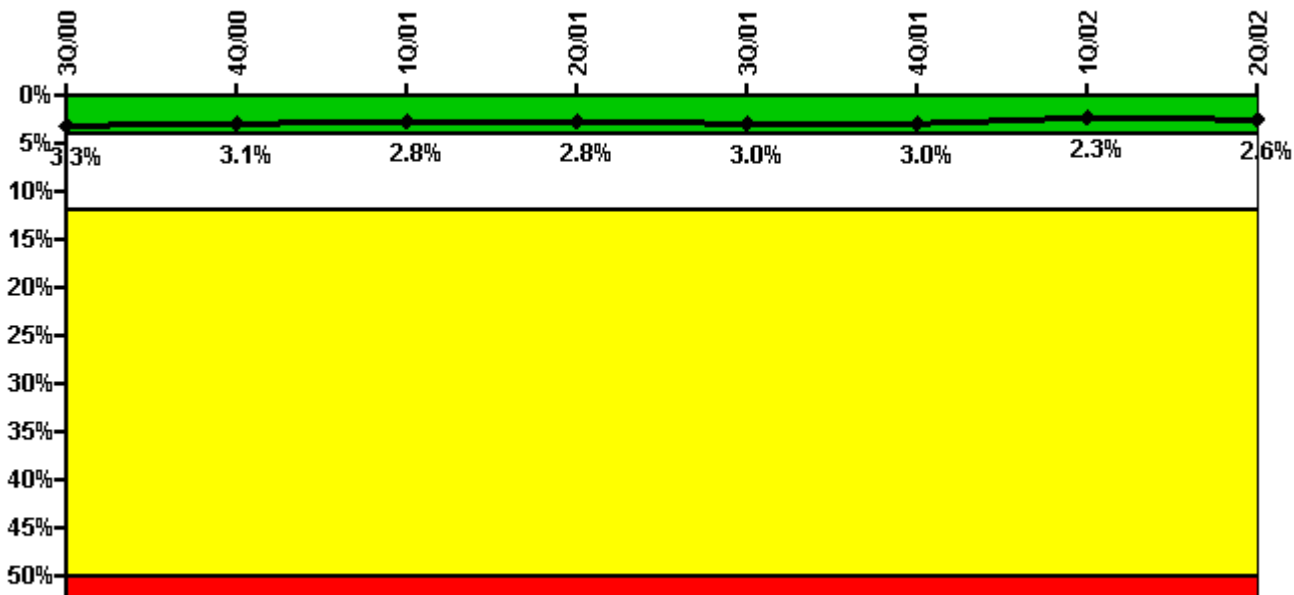
4Q/01: Changed data: See comment for Q2/2002 for details

3Q/01: Changed data: See comment for Q2/2002 for details

1Q/01: Changed data: See comment for Q2/2002 for details

3Q/00: Changed data: See comment for Q2/2002 for details

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	61.02	16.98	61.90	43.59	45.66	3.35	114.70	92.58
Unplanned unavailable hours	0	0	0	0	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	1380.60	1640.90	1798.90	2156.20	2160.00	2026.00
Indicator value	3.3%	3.1%	2.8%	2.8%	3.0%	3.0%	2.3%	2.6%

Licensee Comments:

2Q/02: Historical data correction: As a result of additional review of unavailability associated with system testing, previously reported data for the period from July 2000 through December 2001 has been adjusted with an additional 12.4 hours of unavailability. Also, engineering analysis was in progress regarding the impact of a support system component on system unavailability at the end of the last quarter. That review determined the support system component did not result in any unplanned or fault exposure hours. As a result, the data reported for January 2002 has been adjusted to reflect this change. These changes do not affect the indicator color.

1Q/02: Engineering analysis of the impact of a support system component on unavailability is not complete, and may result in additional unplanned unavailable hours and/or fault exposure. This information will be included in the next quarterly report. Changed data: Q2/2002 - Engineering evaluation determined no unplanned unavailability as a result of the issue with the support system component. Unavailability updated to reflect results.

4Q/01: Changed data: See comment for Q2/2002 for details

3Q/01: Changed data: See comment for Q2/2002 for details

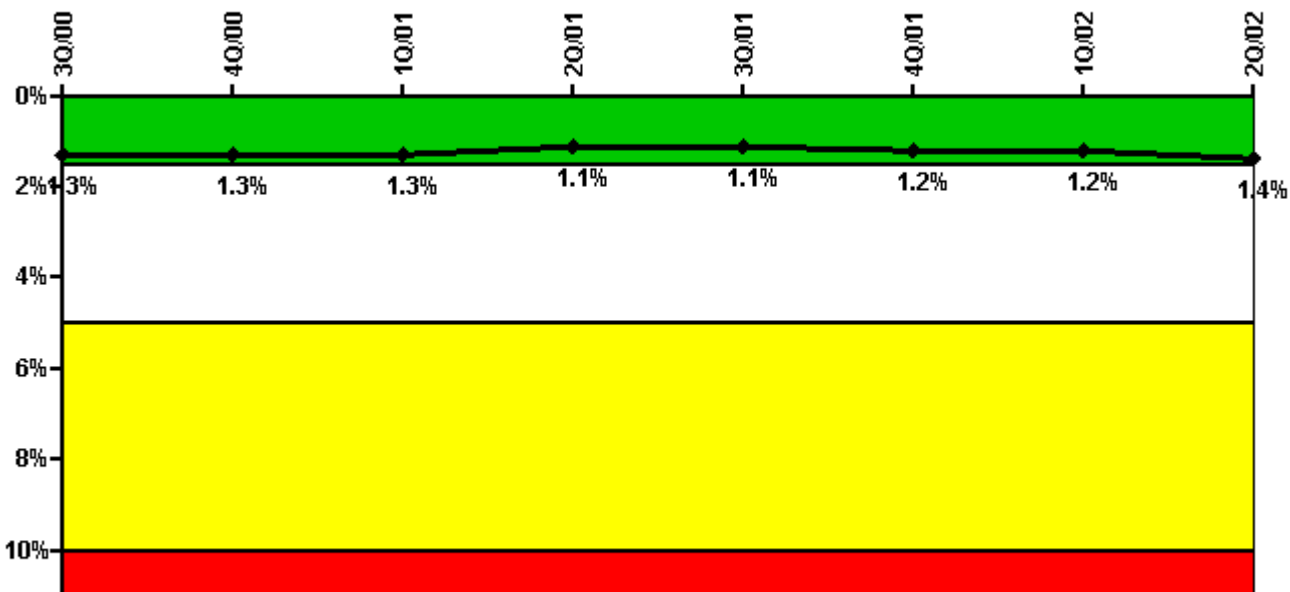
2Q/01: Changed data: See comment for Q2/2002 for details

1Q/01: Revised Data: For 01/2001, removed 46.0 unavailable hours due to reclassification of time as planned overhaul maintenance meeting criteria of NEI 99-02 and FAQ. This does not affect the indicator color. For 03/2001, removed 6.13 unavailable hours to correct hours assessed when RCIC is not required during plant startup. This does not affect the indicator color. Changed data 3/2001: See comment for Q2/2002 for details

4Q/00: Changed data: See comment for Q2/2002 for details

3Q/00: Changed data: See comment for Q2/2002 for details

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	84.67	15.28	3.65	4.87	82.80	9.63	1.38	101.22
Unplanned unavailable hours	0	0	0.85	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	12.80	50.50	0.50	0	0.55	41.42	0	0
Unplanned unavailable hours	0	11.92	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	1.3%	1.3%	1.3%	1.1%	1.1%	1.2%	1.2%	1.4%

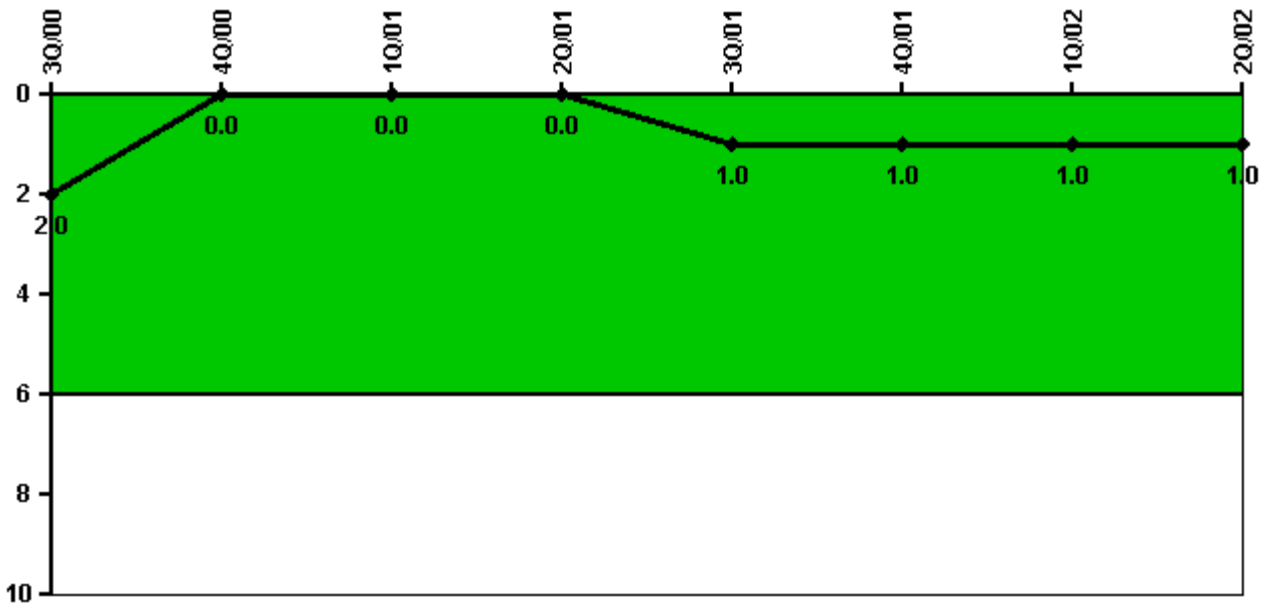
Licensee Comments:

2Q/02: Historical data correction: As a result of additional review of unavailability associated with system testing, previously reported data for the period from July 2000 through December 2001 has been adjusted with an additional 0.03 hours of unavailability. Also, engineering analysis was in progress regarding the impact of a support system component on system unavailability at the end of the last quarter. That review determined the support system component did not result in any unplanned or fault exposure hours. As a result, the data reported for January 2002 has been adjusted to reflect this change. These changes do not affect the indicator color.

1Q/02: Engineering analysis of the impact of a support system component on unavailability is not complete, and may result in additional unplanned unavailable hours and/or fault exposure. This information will be included in the next quarterly report. Changed data: Q2/2002 - Engineering evaluation determined no unplanned unavailability as a result of the issue with the support system component. Unavailability updated to reflect results.

4Q/01: An engineering evaluation is underway to determine the impact of an NRC Task Interface Agreement, dated January 4, 2002, on an August 2000 operability determination for the Residual Heat Removal (RHR) system. This evaluation may result in significant fault exposure hours which could change the indicator color. If the evaluation results in a change in indicator color, a mid-quarter report will be made as provided for in NEI 99-02. Changed data November 2001: See comment for Q2/2002 for details

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

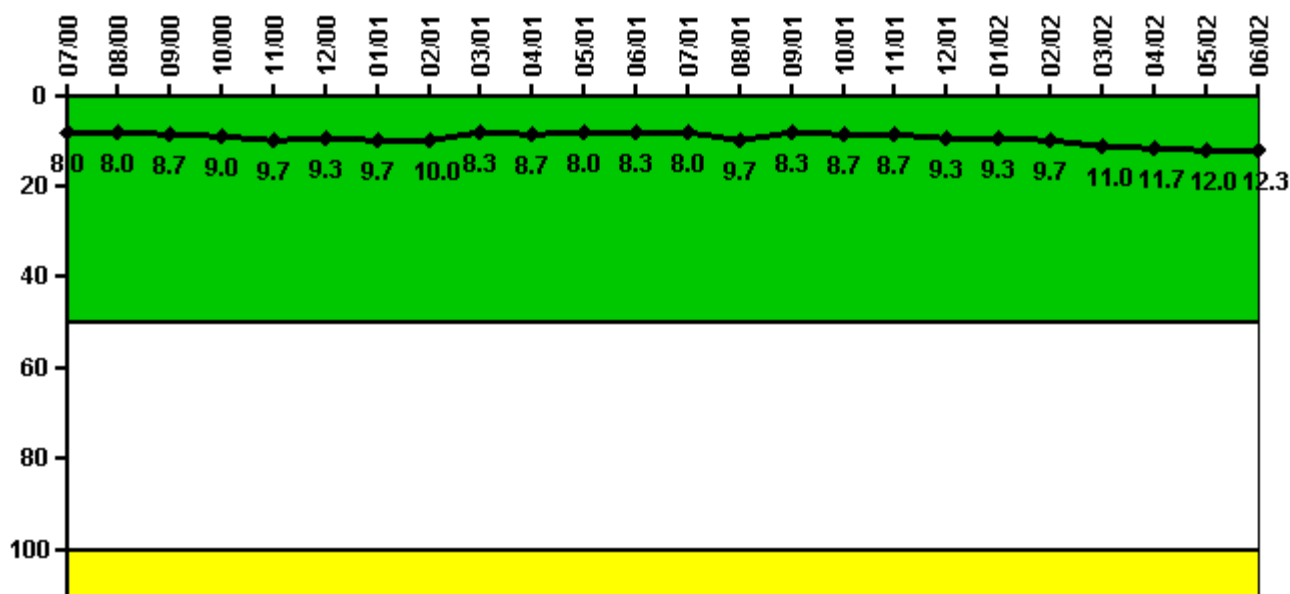
Notes

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	0.000663	0.000777	0.000615	0.000653	0.001110	0.000656	0.000635	0.000595	0.000437	0.000392	0.000206	0.000270
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.4	0.3	0.3	0.6	0.3	0.3	0.3	0.2	0.2	0.1	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	0.000258	0.000157	0.000197	0.000173	0.000311	0.000217	0.000285	0.000315	0.000214	0.000218	0.000241	0.000155
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

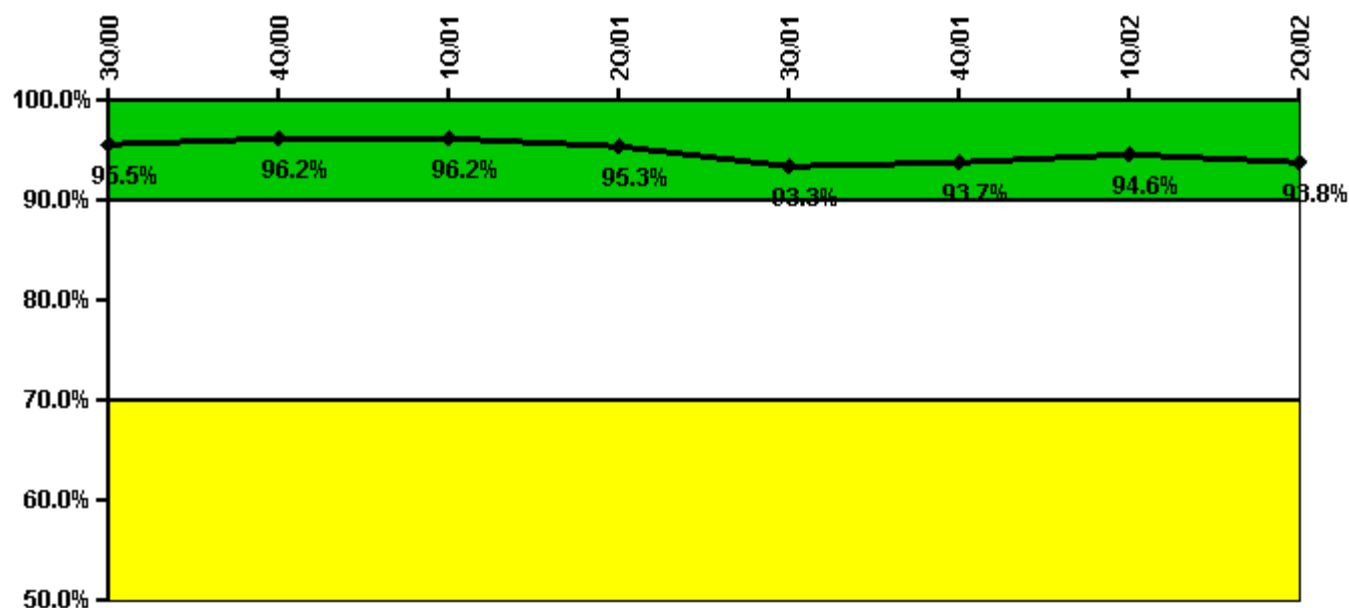
Notes

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	2.400	2.400	2.600	2.700	2.900	2.800	2.900	3.000	2.500	2.600	2.400	2.500
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.0	8.0	8.7	9.0	9.7	9.3	9.7	10.0	8.3	8.7	8.0	8.3

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	2.400	2.900	2.500	2.600	2.600	2.800	2.800	2.900	3.300	3.500	3.600	3.700
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.0	9.7	8.3	8.7	8.7	9.3	9.3	9.7	11.0	11.7	12.0	12.3

Licensee Comments: none

Drill/Exercise Performance



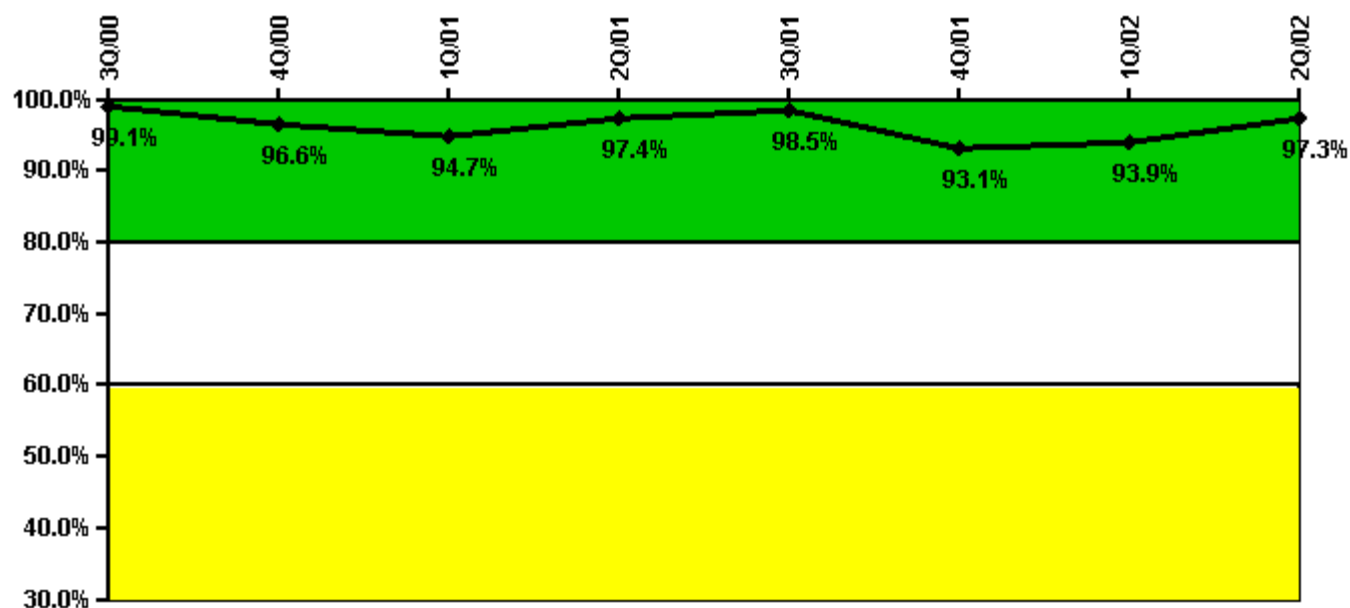
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	14.0	45.0	0	13.0	24.0	26.0	20.0	39.0
Total opportunities	16.0	46.0	0	15.0	28.0	26.0	20.0	42.0
Indicator value	95.5%	96.2%	96.2%	95.3%	93.3%	93.7%	94.6%	93.8%

Licensee Comments: none

ERO Drill Participation



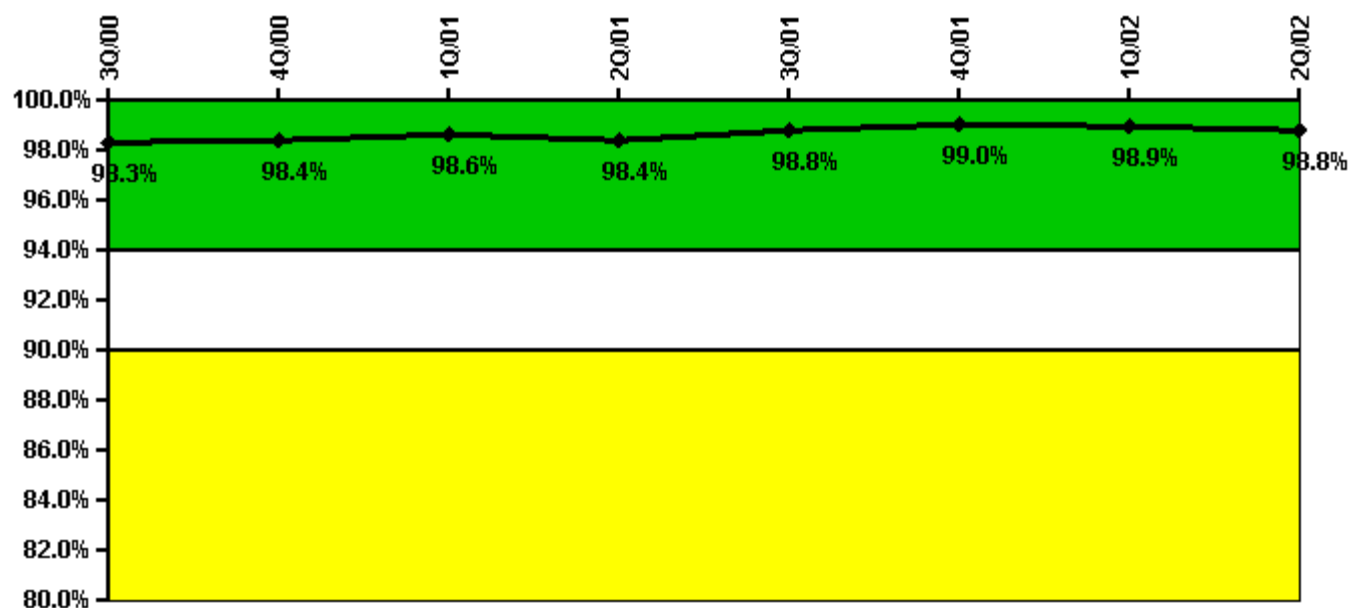
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	105.0	113.0	107.0	111.0	134.0	135.0	139.0	144.0
Total Key personnel	106.0	117.0	113.0	114.0	136.0	145.0	148.0	148.0
Indicator value	99.1%	96.6%	94.7%	97.4%	98.5%	93.1%	93.9%	97.3%

Licensee Comments: none

Alert & Notification System



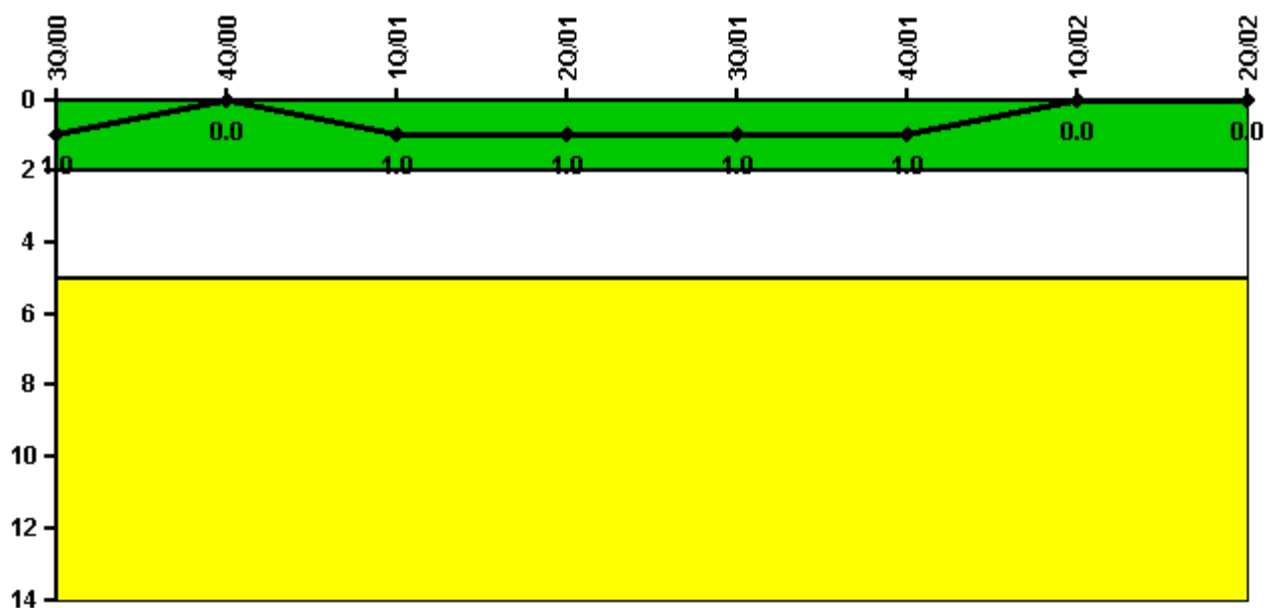
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	521	523	528	521	530	527	526	519
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	98.3%	98.4%	98.6%	98.4%	98.8%	99.0%	98.9%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

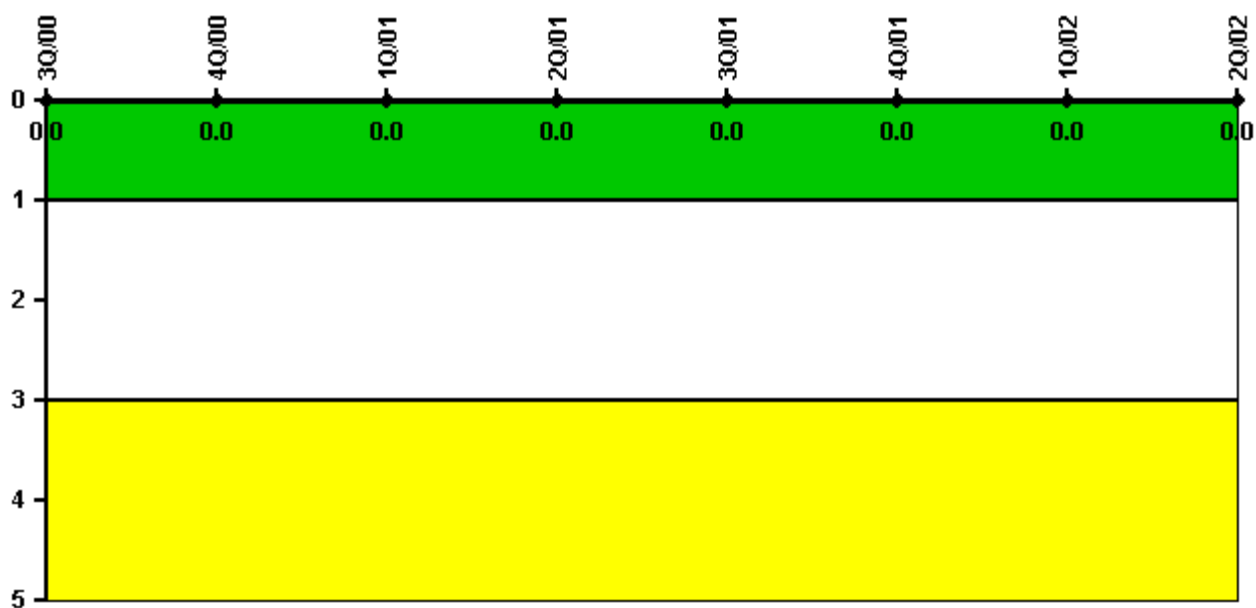


Thresholds: White > 2.0 Yellow > 5.0

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	1	0	1	1	1	1	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent

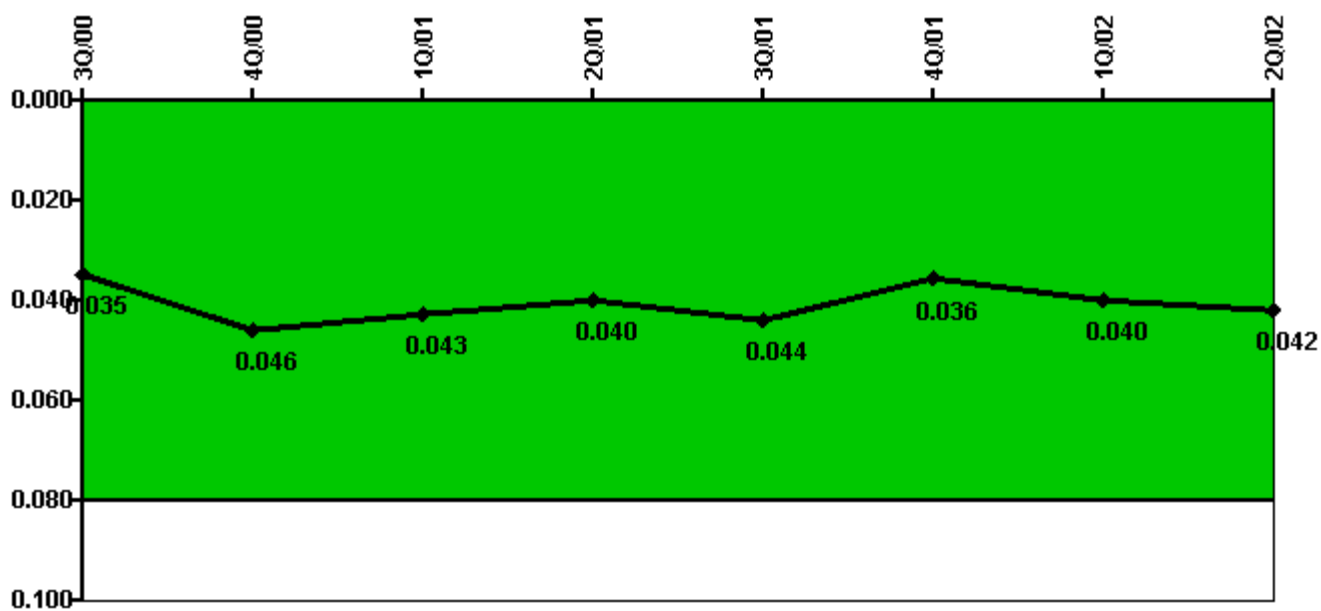
Thresholds: White > 1.0 Yellow > 3.0

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



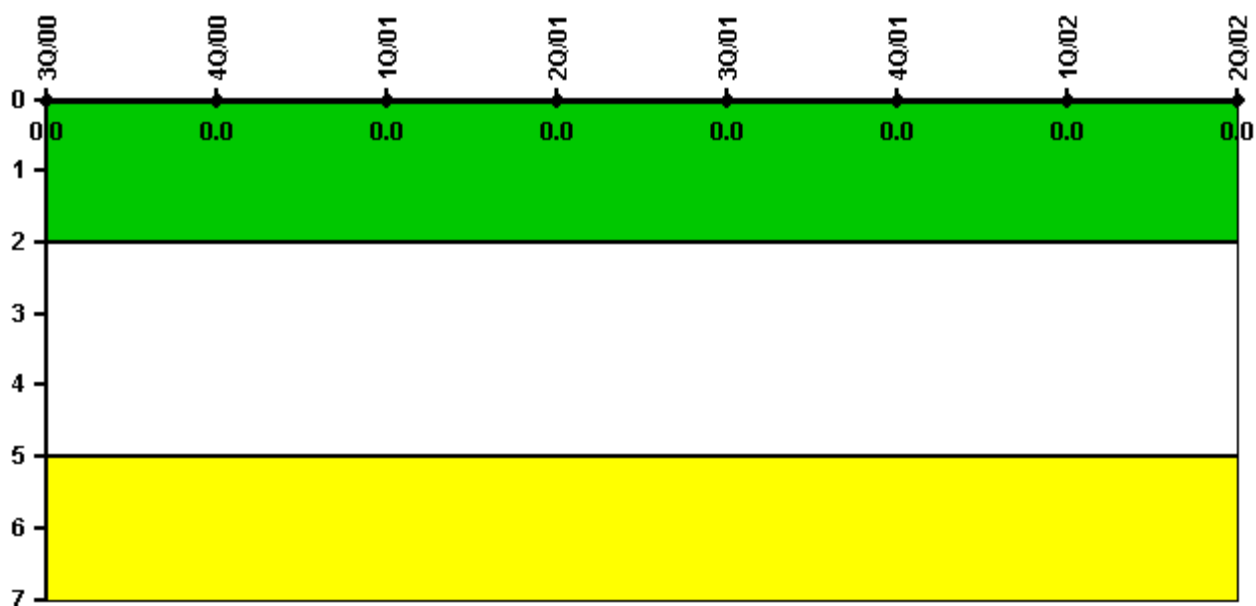
Thresholds: White > 0.080

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	221.30	208.70	59.40	197.50	289.60	105.70	149.40	219.40
CCTV compensatory hours	6.0	36.2	28.5	1.0	14.3	0	17.3	12.7
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.035	0.046	0.043	0.040	0.044	0.036	0.040	0.042

Licensee Comments: none

Personnel Screening Program



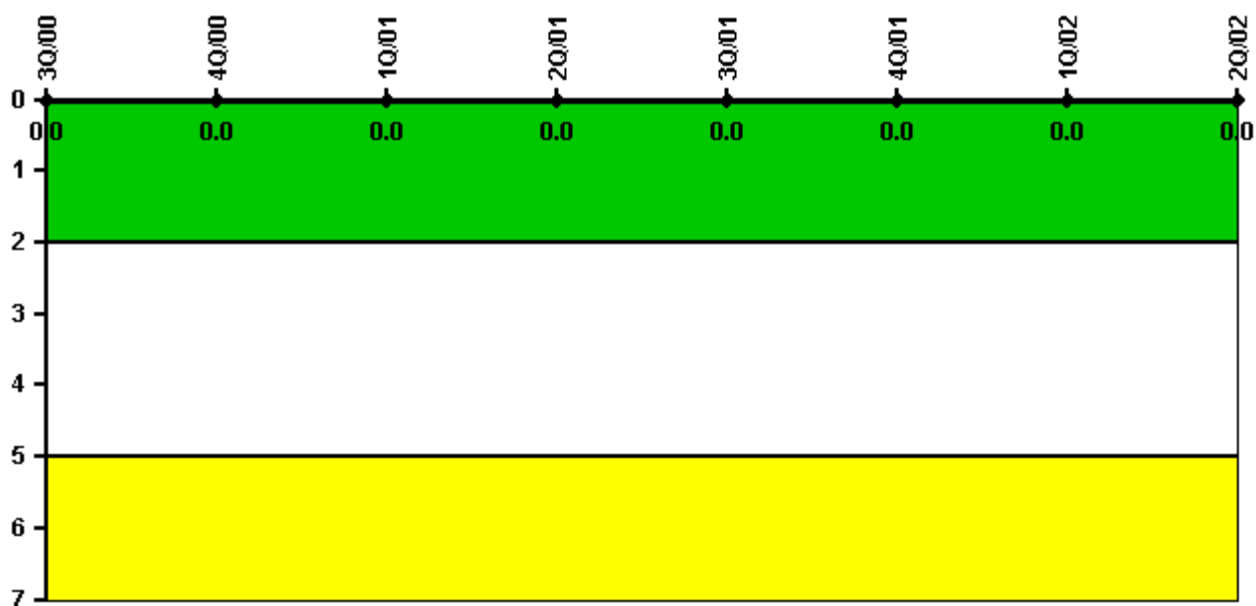
Thresholds: White > 2.0 Yellow > 5.0

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](#)

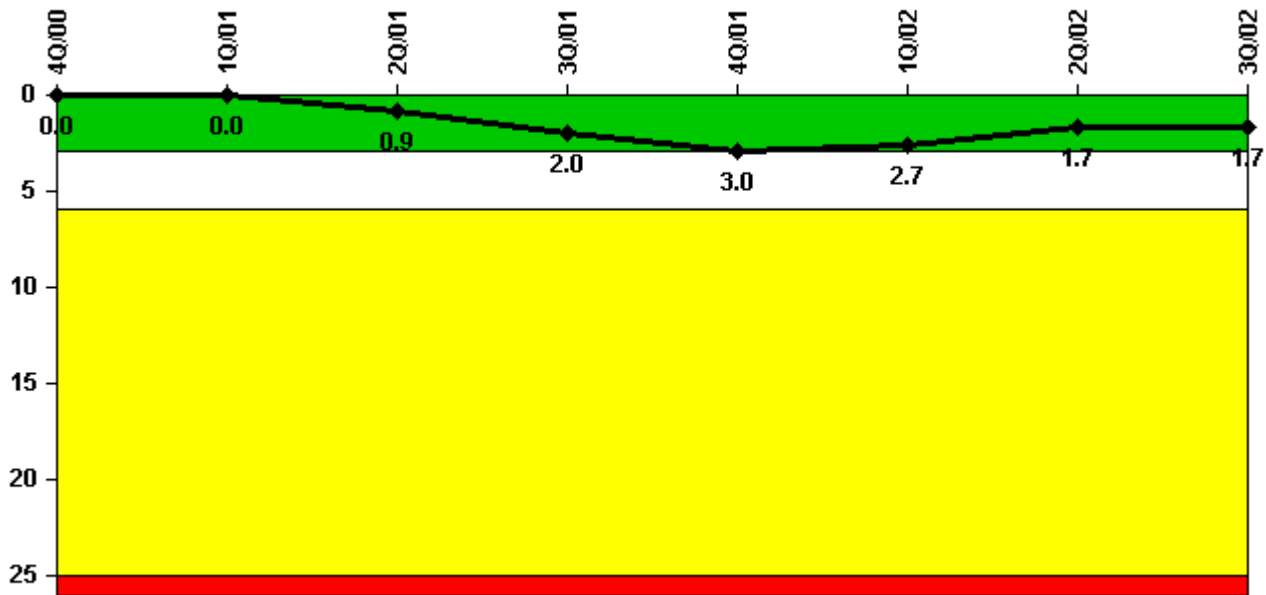
Last Modified: July 31, 2002

Perry 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



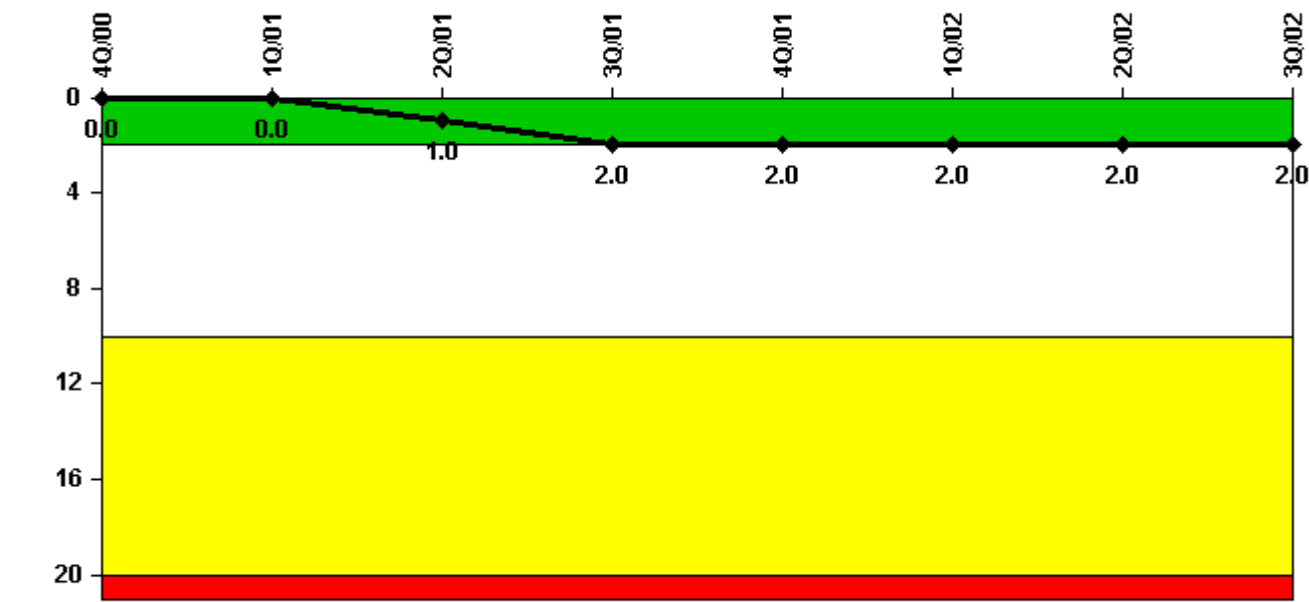
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	1.0	1.0	1.0	0	0	1.0
Critical hours	2209.0	1380.6	1640.9	1798.9	2156.2	2160.0	2026.0	1993.7
Indicator value	0	0	0.9	2.0	3.0	2.7	1.7	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



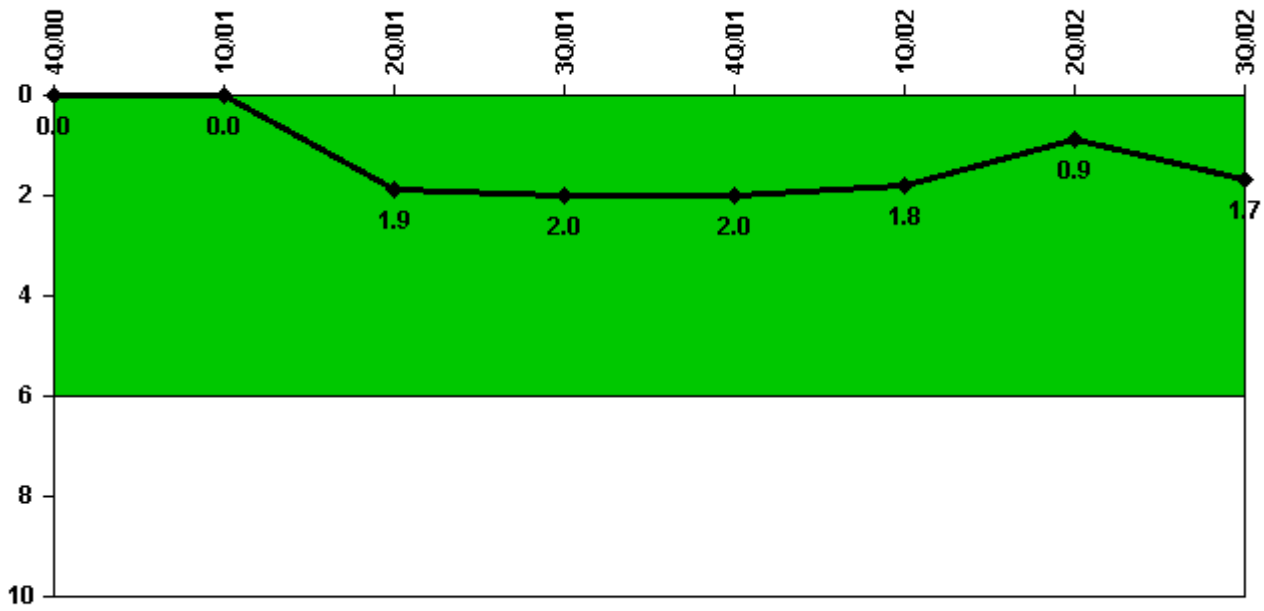
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



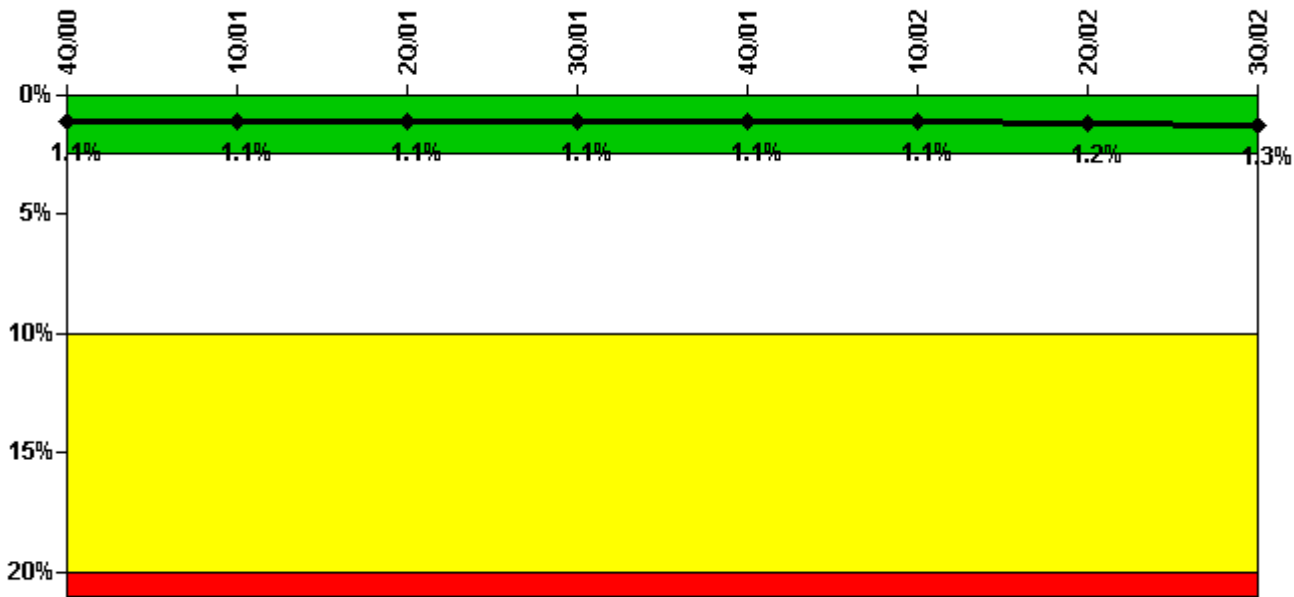
Thresholds: White > 6.0

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	2.0	0	0	0	1.0	1.0
Critical hours	2209.0	1380.6	1640.9	1798.9	2156.2	2160.0	2026.0	1993.7
Indicator value	0	0	1.9	2.0	2.0	1.8	0.9	1.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



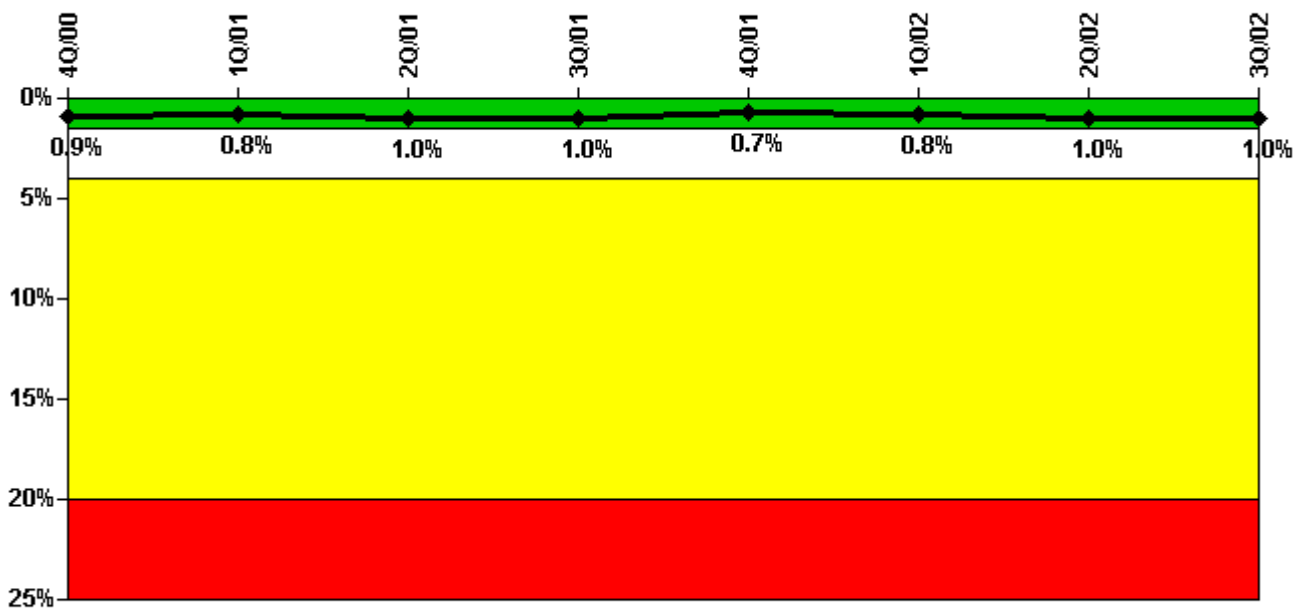
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	4.75	6.97	5.87	53.05	15.95	25.00	58.03	5.80
Unplanned unavailable hours	0	0	13.92	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	34.35	14.57	7.56	17.10	64.51	6.74	20.78	4.69
Unplanned unavailable hours	122.83	0	0	0	0	0	0	65.71
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	25.72	1.00	33.69	12.15	2.15	1.44	1.26	1.55
Unplanned unavailable hours	0	0	0	4.58	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.2%	1.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

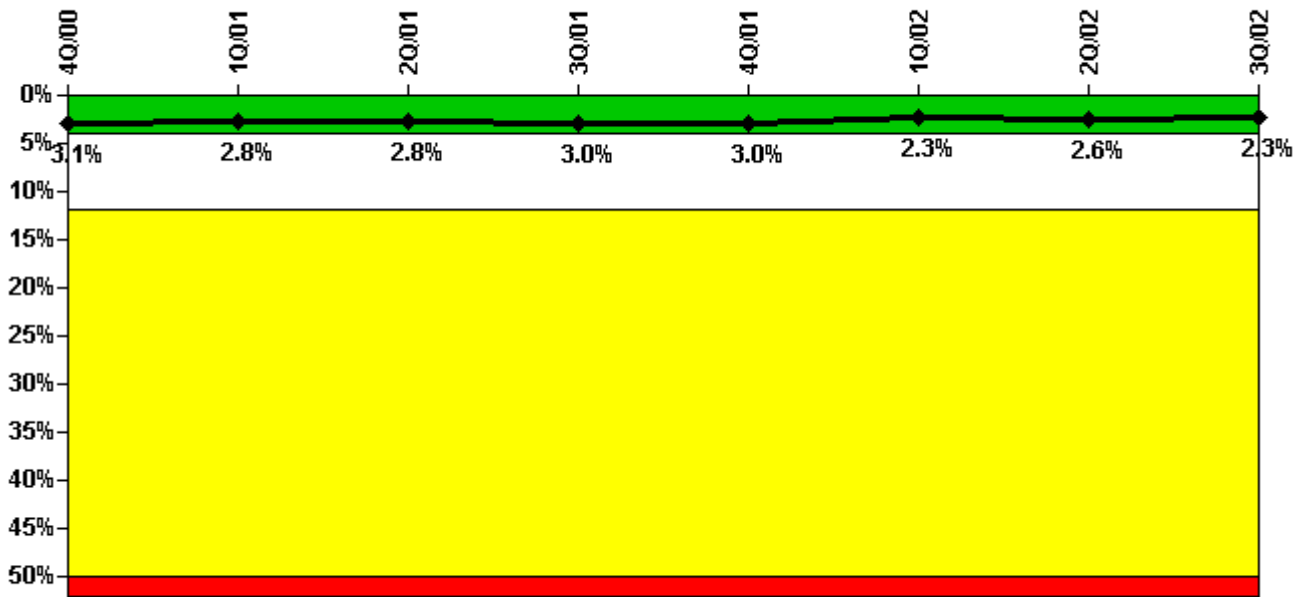
Safety System Unavailability, High Pressure Injection System (HPCS)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	9.07	1.48	31.13	2.74	1.22	45.10	97.85	4.12
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1380.60	1640.90	1798.90	2156.20	2160.00	2026.00	1993.68
Indicator value	0.9%	0.8%	1.0%	1.0%	0.7%	0.8%	1.0%	1.0%

Licensee Comments:

3Q/02: Oct 2002: Correction for June 2002 data (Q2/2002). Evaluation of previously reported unplanned unavailability for June (4.15 hours) found that there was no unavailability; therefore, those hours have been removed. This change does not affect the indicator color.

2Q/02: Historical data correction: As a result of additional review of unavailability associated with system testing, previously reported data for the period from July 2000 through December 2001 has been adjusted with an additional 4.6 hours of unavailability. These changes do not affect the indicator color. 10/02: June unplanned unavailable hours updated. See note Q3/2002.

Safety System Unavailability, Heat Removal System (RCIC)



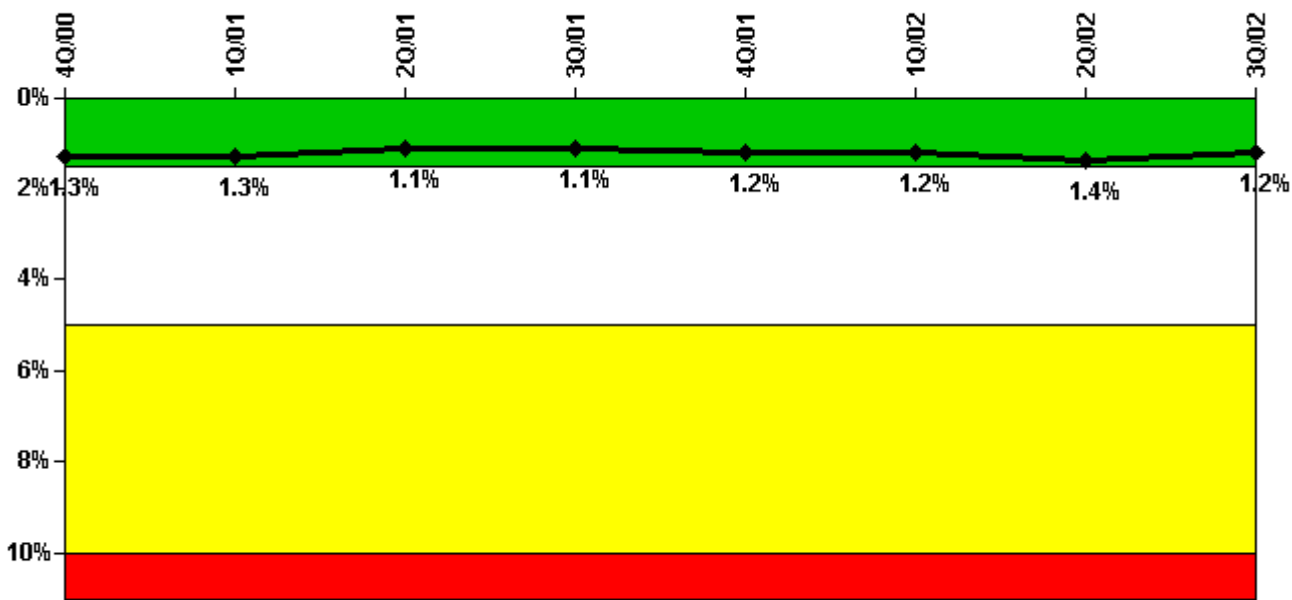
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	16.98	61.90	43.59	45.66	3.35	114.70	92.58	3.20
Unplanned unavailable hours	0	0	0	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	1380.60	1640.90	1798.90	2156.20	2160.00	2026.00	1993.68
Indicator value	3.1%	2.8%	2.8%	3.0%	3.0%	2.3%	2.6%	2.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



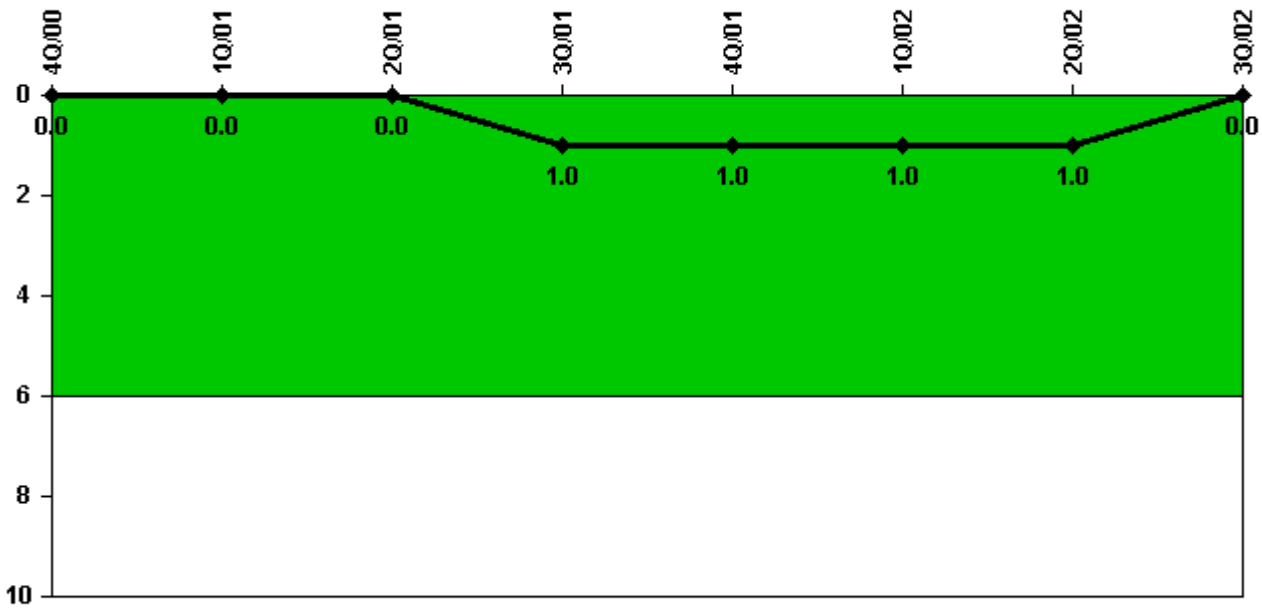
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	15.28	3.65	4.87	82.80	9.63	1.38	101.22	3.24
Unplanned unavailable hours	0	0.85	0	0	0	0	0	17.63
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	50.50	0.50	0	0.55	41.42	0	0	0.55
Unplanned unavailable hours	11.92	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	1.3%	1.3%	1.1%	1.1%	1.2%	1.2%	1.4%	1.2%

Licensee Comments: none

Safety System Functional Failures (BWR)



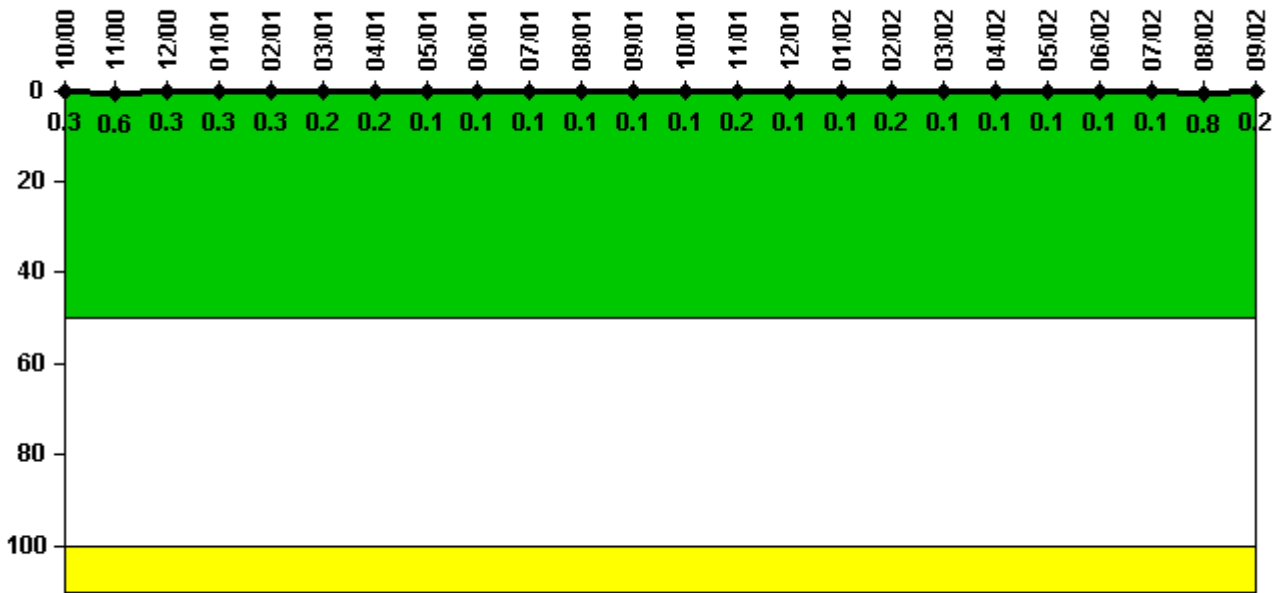
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
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

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

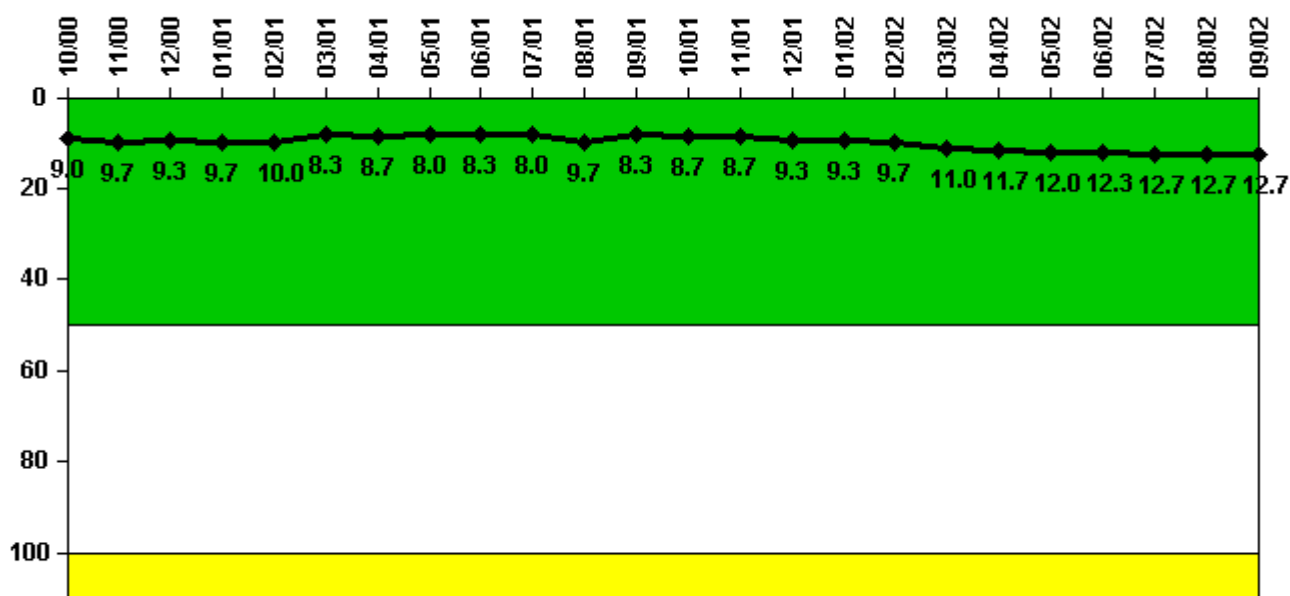
Notes

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	0.000653	0.001110	0.000656	0.000635	0.000595	0.000437	0.000392	0.000206	0.000270	0.000258	0.000157	0.000197
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.6	0.3	0.3	0.3	0.2	0.2	0.1	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	0.000173	0.000311	0.000217	0.000285	0.000315	0.000214	0.000218	0.000241	0.000155	0.000158	0.001530	0.000397
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.8	0.2

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

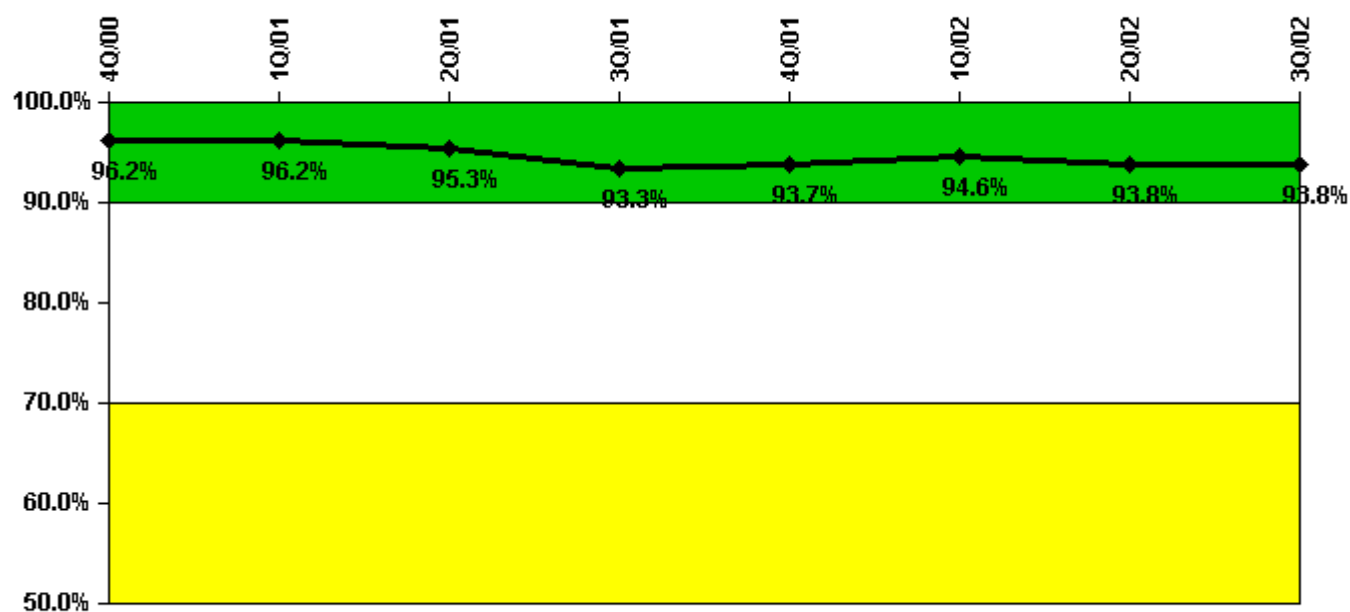
Notes

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	2.700	2.900	2.800	2.900	3.000	2.500	2.600	2.400	2.500	2.400	2.900	2.500
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.0	9.7	9.3	9.7	10.0	8.3	8.7	8.0	8.3	8.0	9.7	8.3

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	2.600	2.600	2.800	2.800	2.900	3.300	3.500	3.600	3.700	3.800	3.800	3.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.7	8.7	9.3	9.3	9.7	11.0	11.7	12.0	12.3	12.7	12.7	12.7

Licensee Comments: none

Drill/Exercise Performance



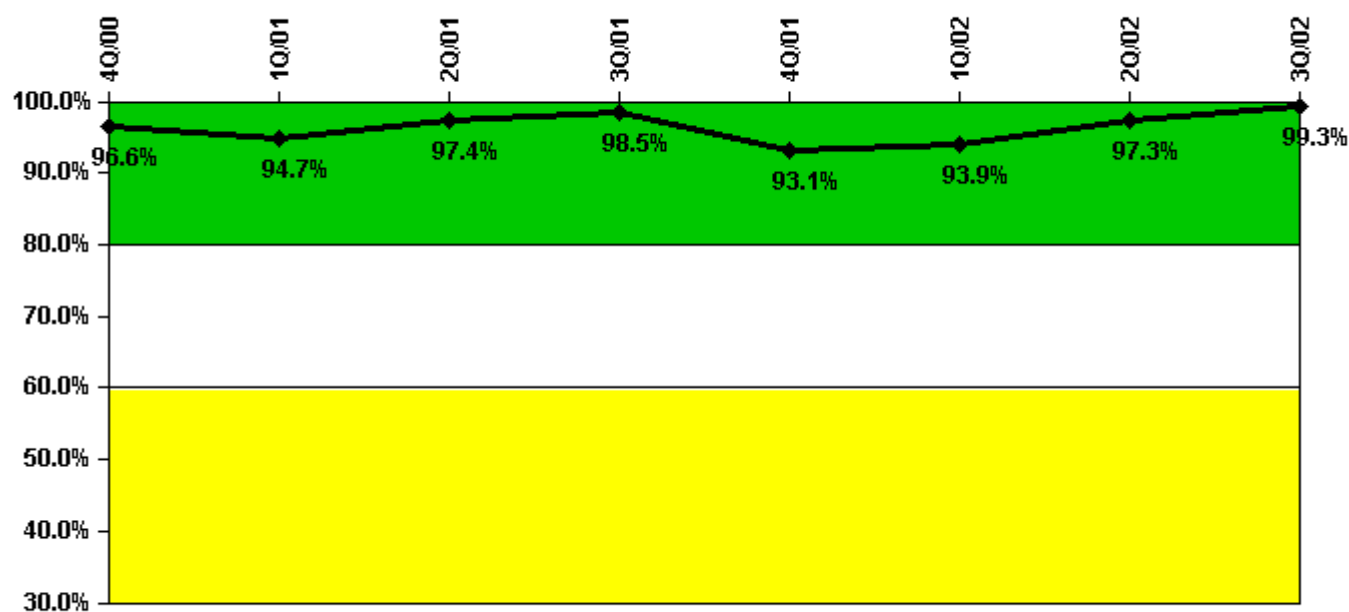
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	45.0	0	13.0	24.0	26.0	20.0	39.0	16.0
Total opportunities	46.0	0	15.0	28.0	26.0	20.0	42.0	18.0
Indicator value	96.2%	96.2%	95.3%	93.3%	93.7%	94.6%	93.8%	93.8%

Licensee Comments: none

ERO Drill Participation



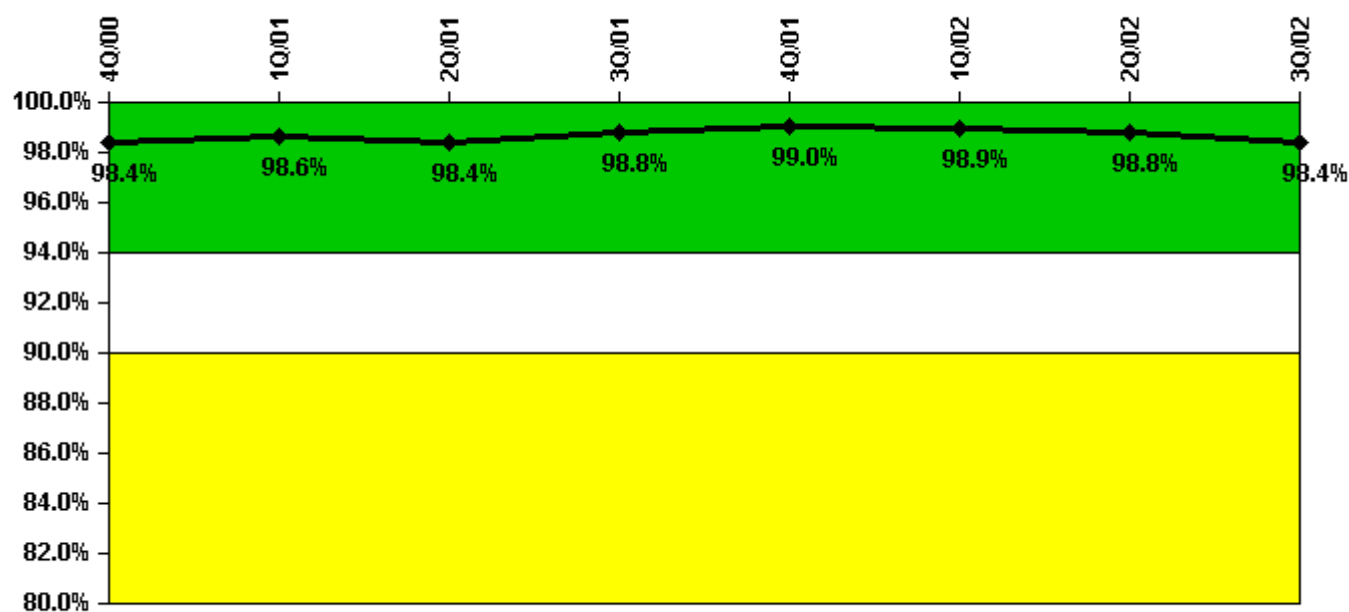
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	113.0	107.0	111.0	134.0	135.0	139.0	144.0	144.0
Total Key personnel	117.0	113.0	114.0	136.0	145.0	148.0	148.0	145.0
Indicator value	96.6%	94.7%	97.4%	98.5%	93.1%	93.9%	97.3%	99.3%

Licensee Comments: none

Alert & Notification System



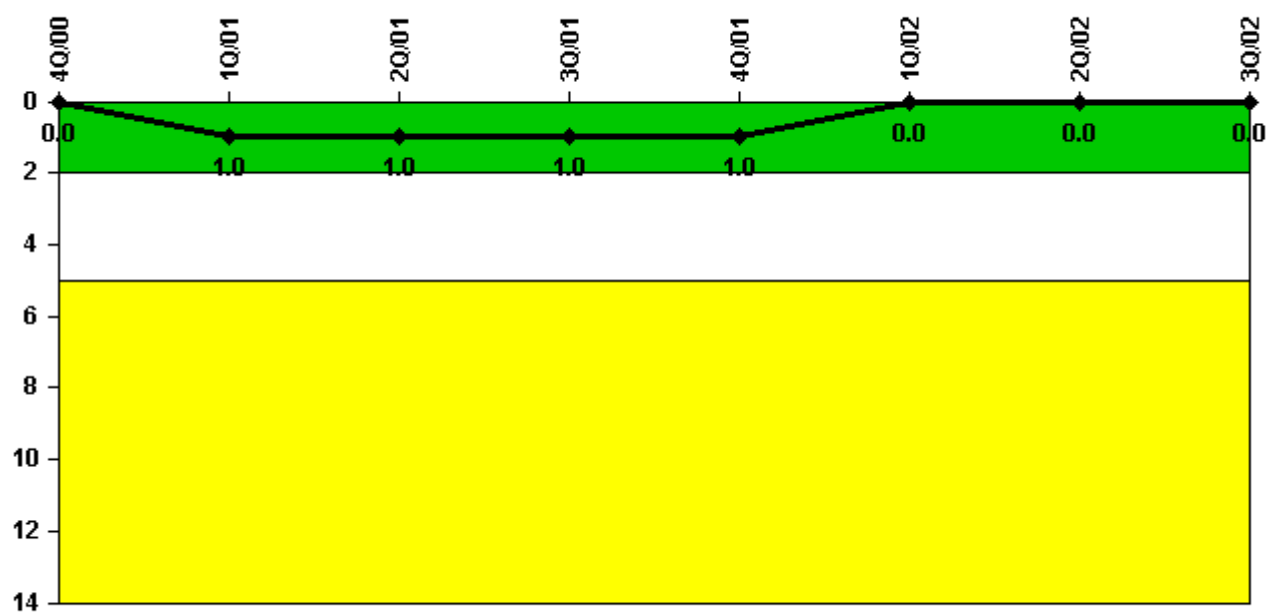
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	523	528	521	530	527	526	519	596
Total sirens-tests	532	532	532	532	532	532	532	608
Indicator value	98.4%	98.6%	98.4%	98.8%	99.0%	98.9%	98.8%	98.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness

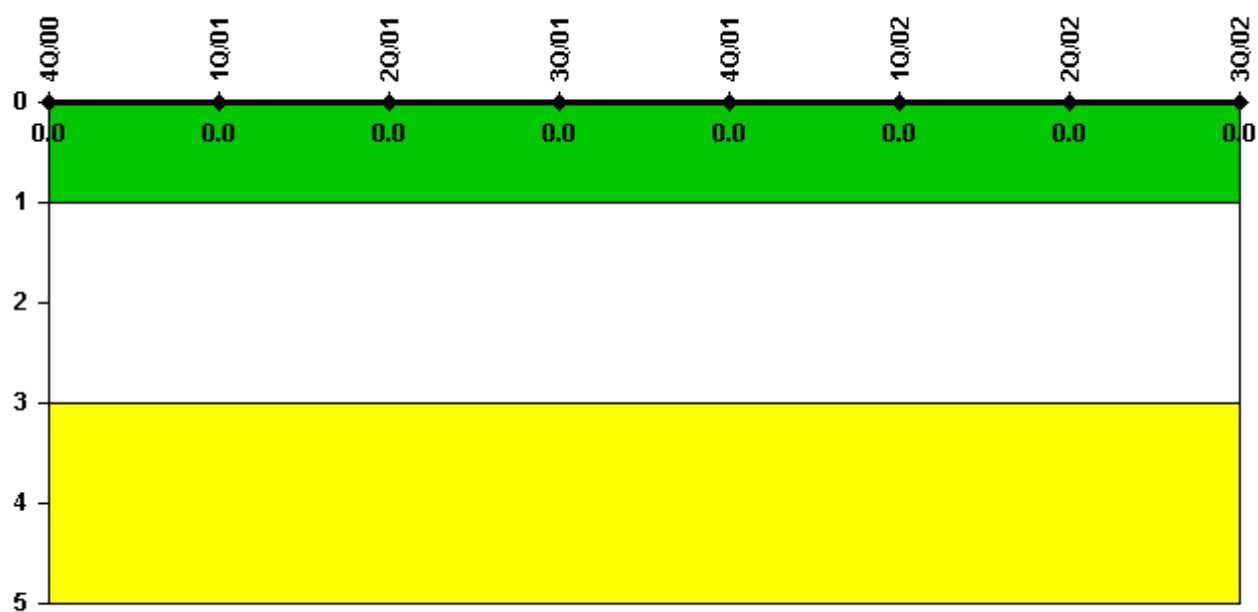


Thresholds: White > 2.0 Yellow > 5.0

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

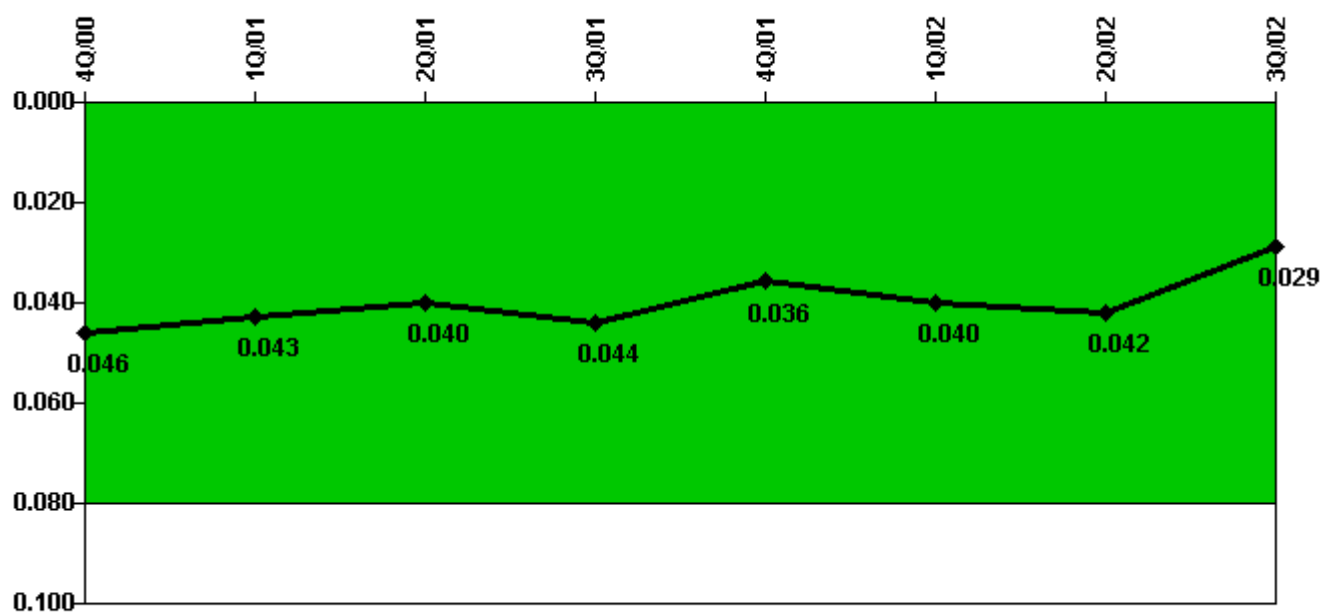
Thresholds: White > 1.0 Yellow > 3.0

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



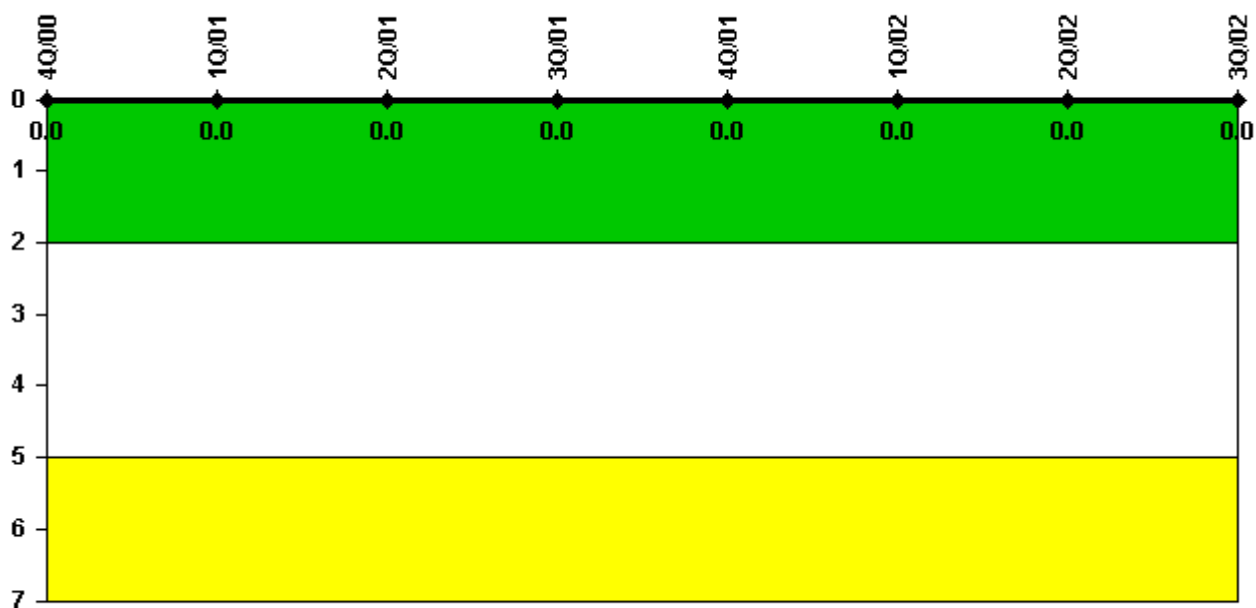
Thresholds: White > 0.080

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	208.70	59.40	197.50	289.60	105.70	149.40	219.40	18.50
CCTV compensatory hours	36.2	28.5	1.0	14.3	0	17.3	12.7	26.9
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.046	0.043	0.040	0.044	0.036	0.040	0.042	0.029

Licensee Comments: none

Personnel Screening Program



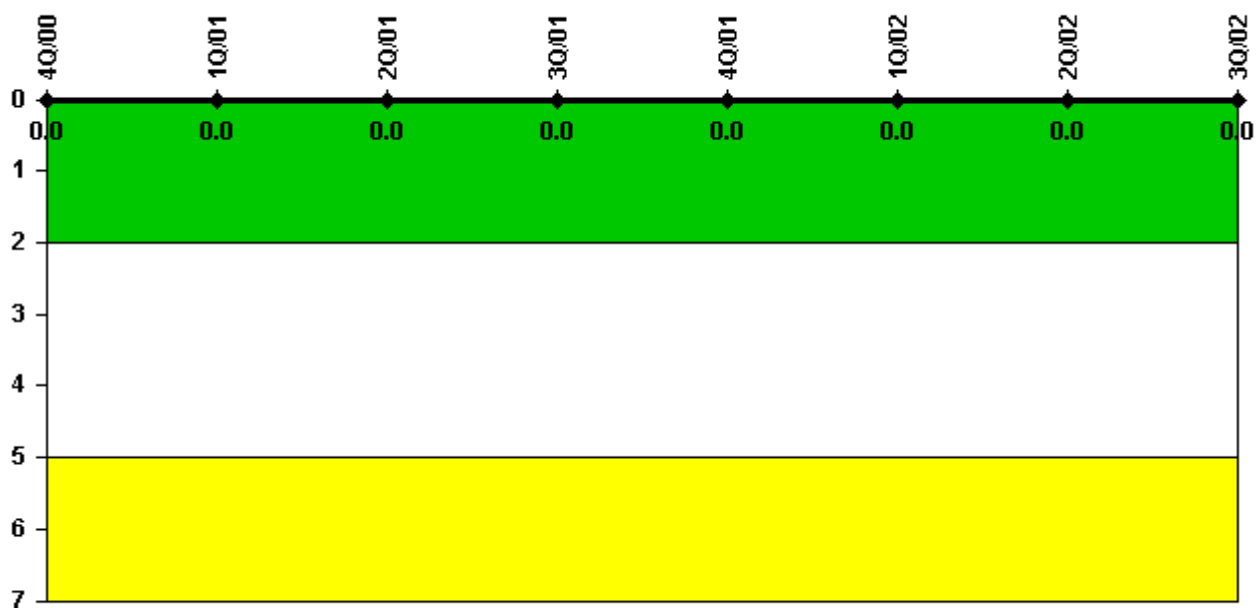
Thresholds: White > 2.0 Yellow > 5.0

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](#)

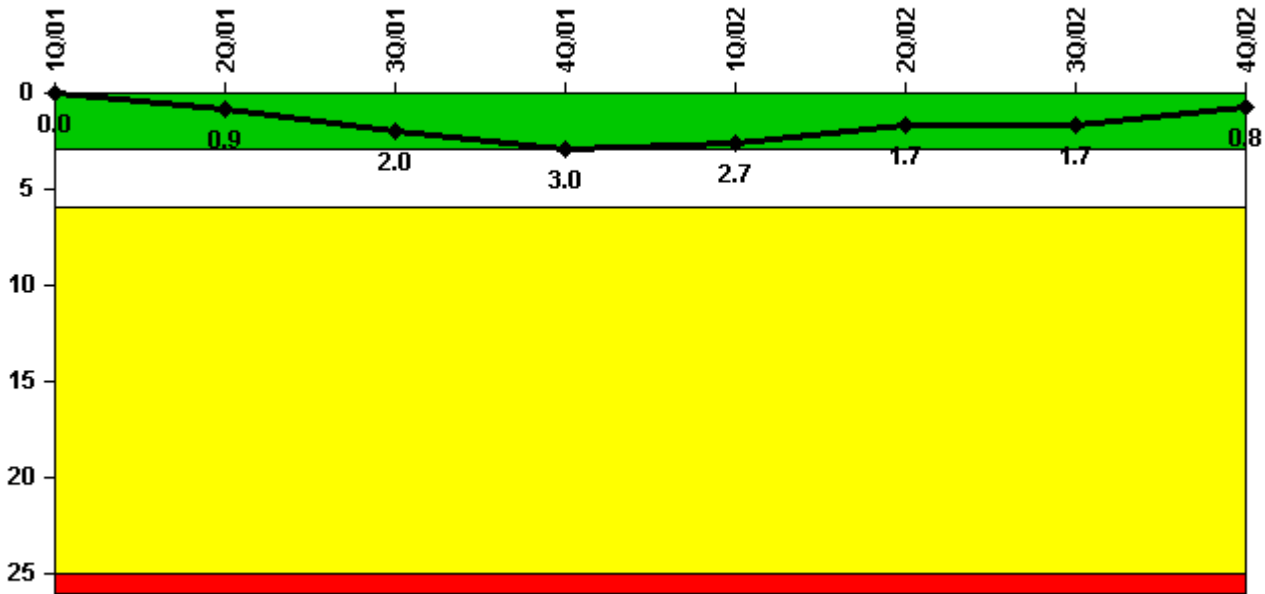
Last Modified: October 22, 2002

Perry 1

4Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



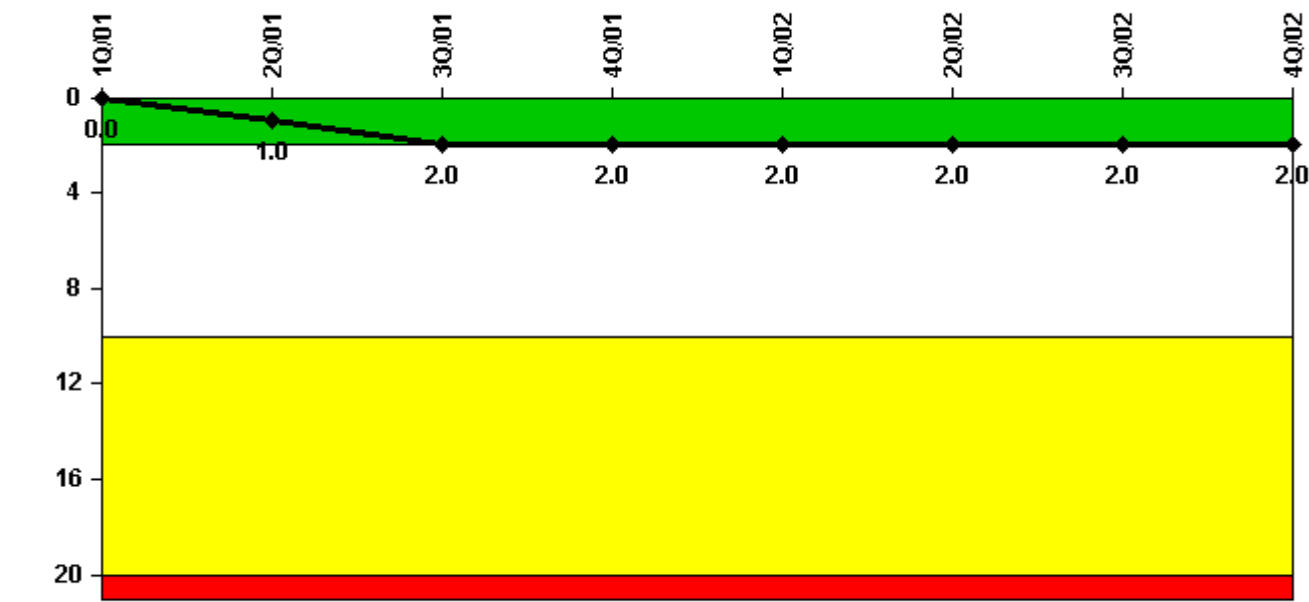
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	1.0	0	0	1.0	0
Critical hours	1380.6	1640.9	1798.9	2156.2	2160.0	2026.0	1993.7	2138.6
Indicator value	0	0.9	2.0	3.0	2.7	1.7	1.7	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



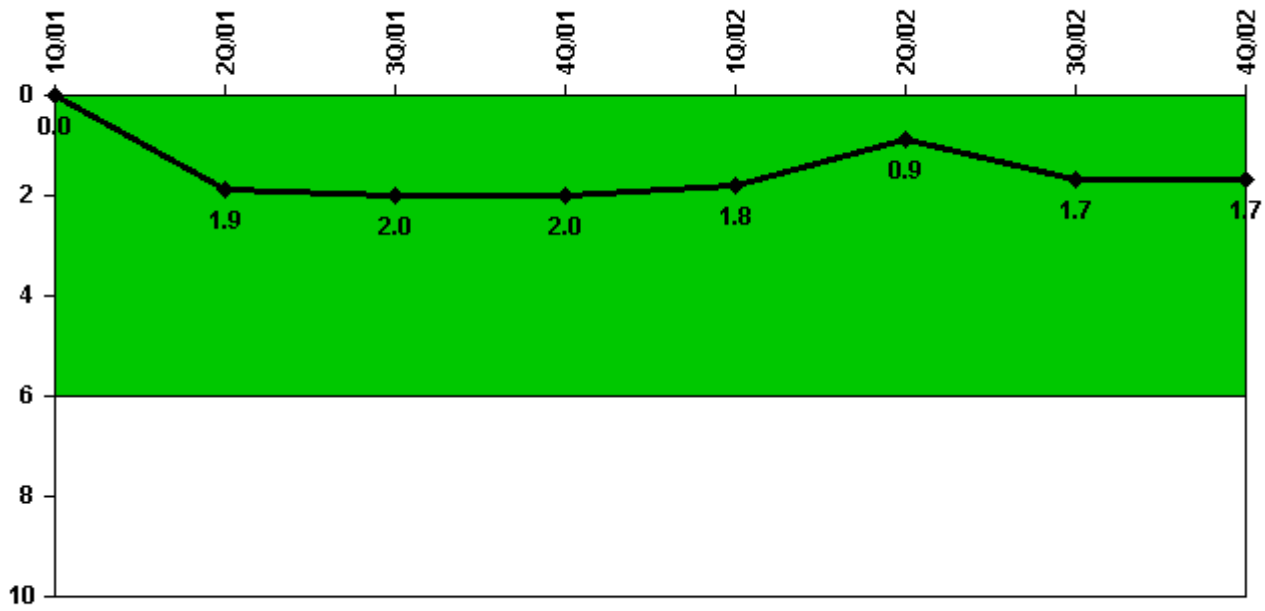
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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



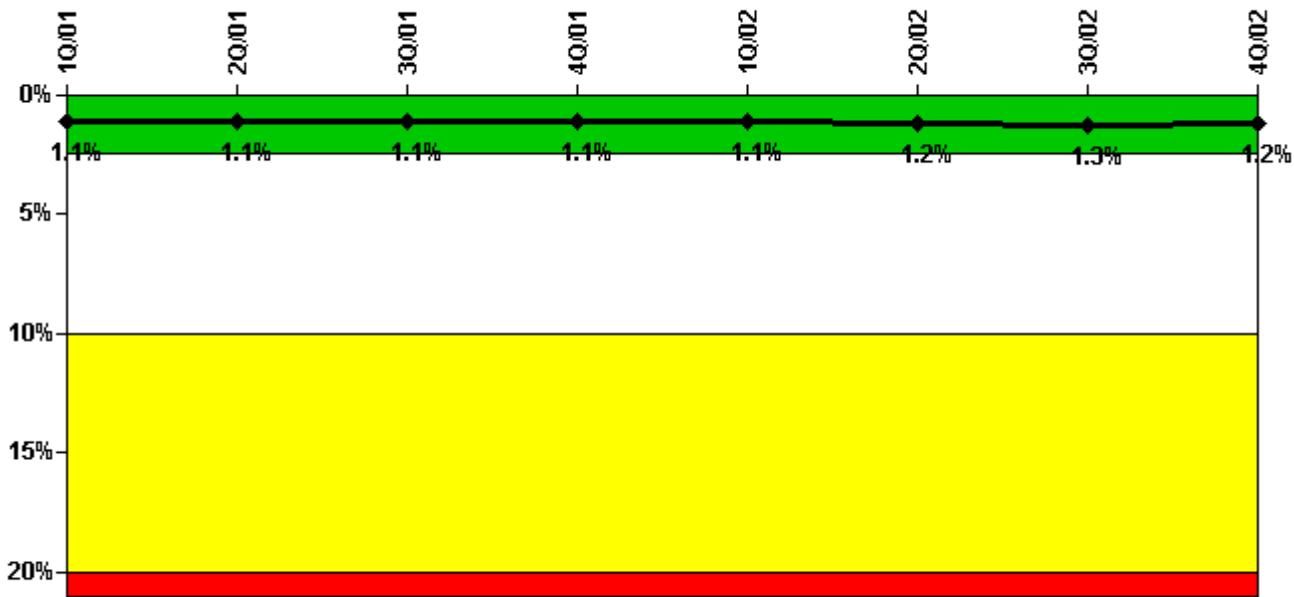
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	2.0	0	0	0	1.0	1.0	0
Critical hours	1380.6	1640.9	1798.9	2156.2	2160.0	2026.0	1993.7	2138.6
Indicator value	0	1.9	2.0	2.0	1.8	0.9	1.7	1.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



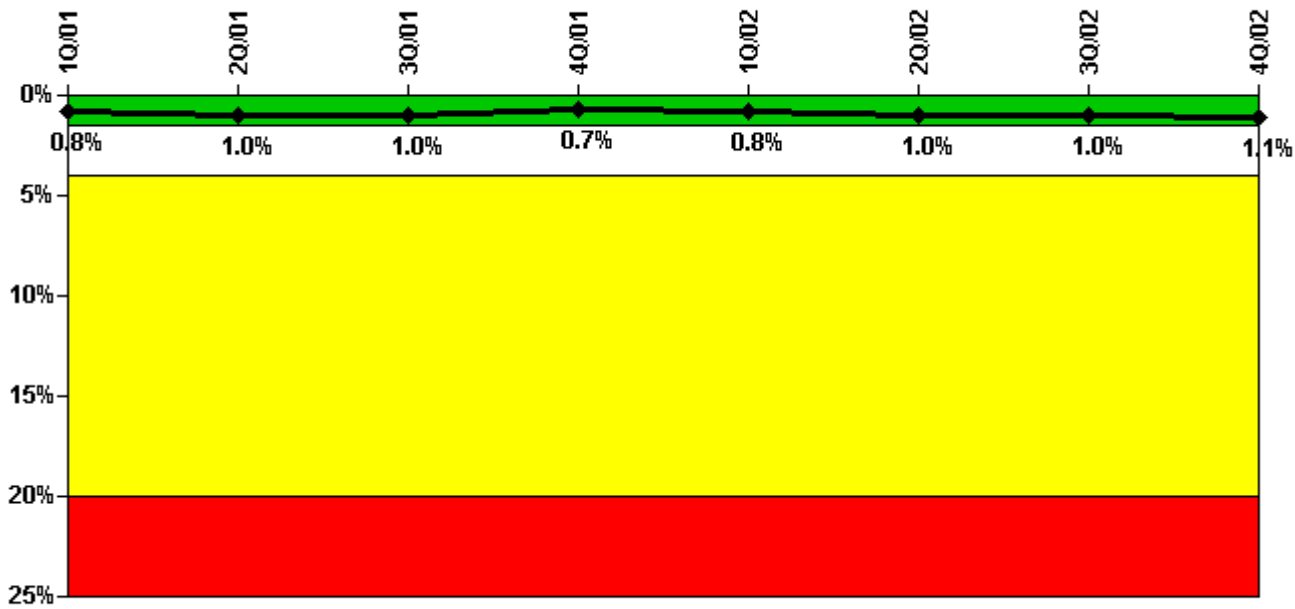
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	6.97	5.87	53.05	15.95	25.00	58.03	5.80	5.05
Unplanned unavailable hours	0	13.92	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	14.57	7.56	17.10	64.51	6.74	20.78	4.69	23.47
Unplanned unavailable hours	0	0	0	0	0	0	65.71	45.82
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	1.00	33.69	12.15	2.15	1.44	1.26	1.55	12.30
Unplanned unavailable hours	0	0	4.58	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	1.1%	1.1%	1.1%	1.1%	1.1%	1.2%	1.3%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

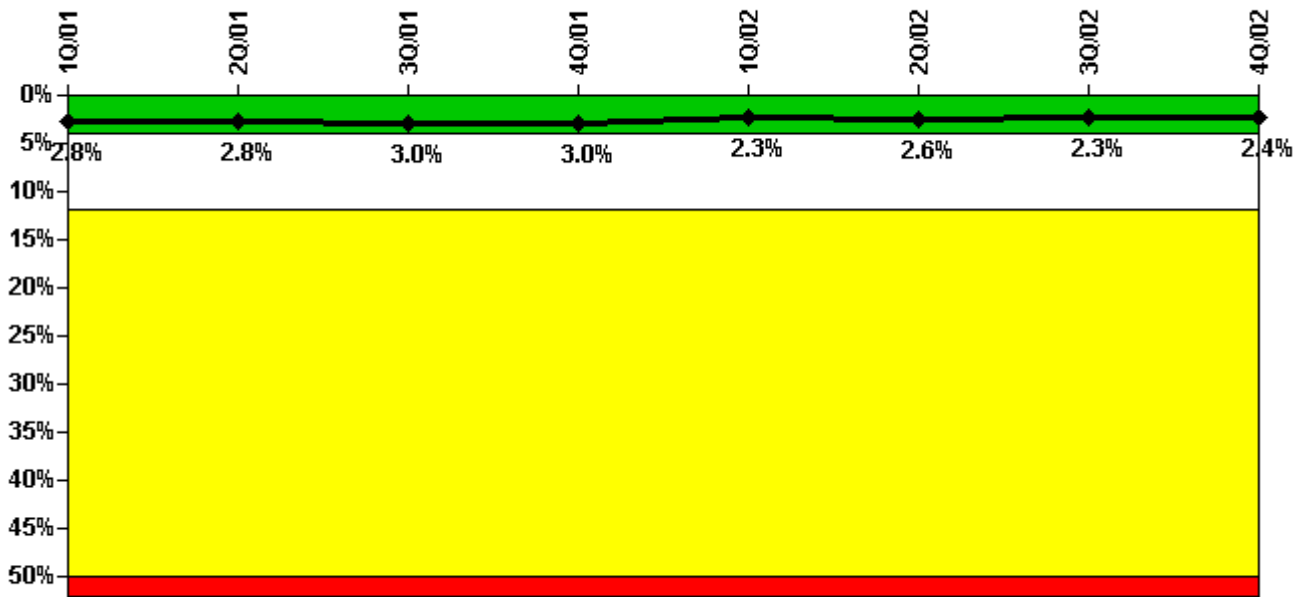
Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	1.48	31.13	2.74	1.22	45.10	97.85	4.12	1.20
Unplanned unavailable hours	0	0	0	0	0	0	0	7.73
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1380.60	1640.90	1798.90	2156.20	2160.00	2026.00	1993.68	2138.60
Indicator value	0.8%	1.0%	1.0%	0.7%	0.8%	1.0%	1.0%	1.1%

Licensee Comments:

4Q/02: High Pressure Core Spray, 545.7 hours of T/2 fault exposure hours, due to failure to start discovered on 10/23/02.

Safety System Unavailability, Heat Removal System (RCIC)



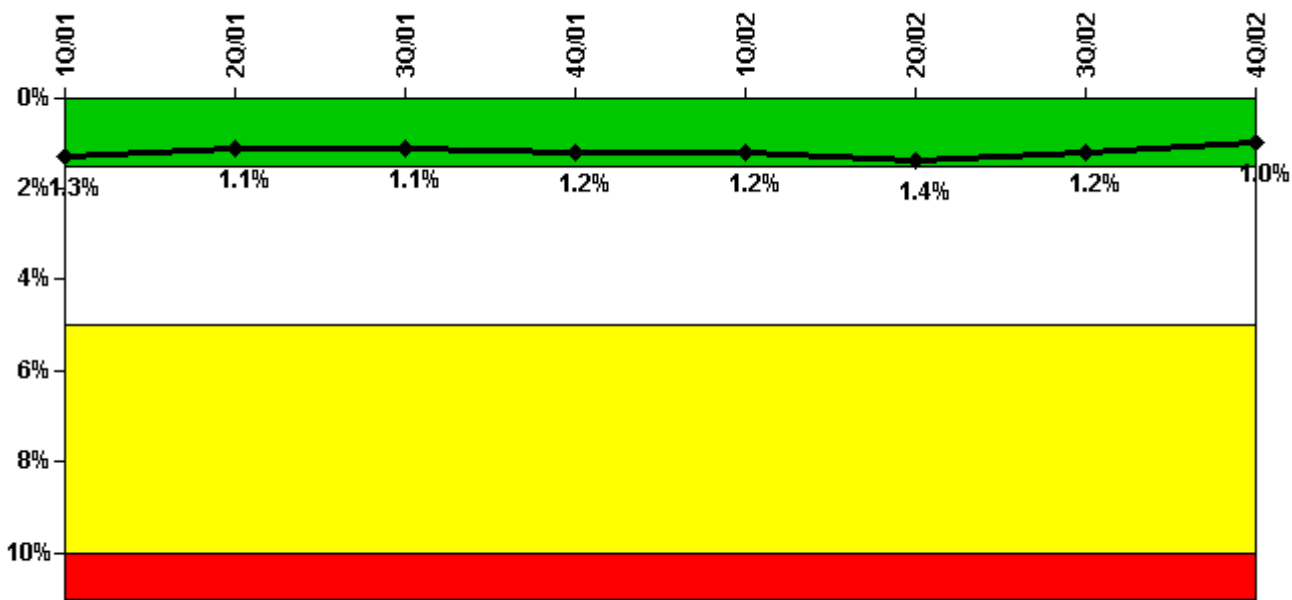
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	61.90	43.59	45.66	3.35	114.70	92.58	3.20	19.29
Unplanned unavailable hours	0	0	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	1380.60	1640.90	1798.90	2156.20	2160.00	2026.00	1993.68	2138.60
Indicator value	2.8%	2.8%	3.0%	3.0%	2.3%	2.6%	2.3%	2.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



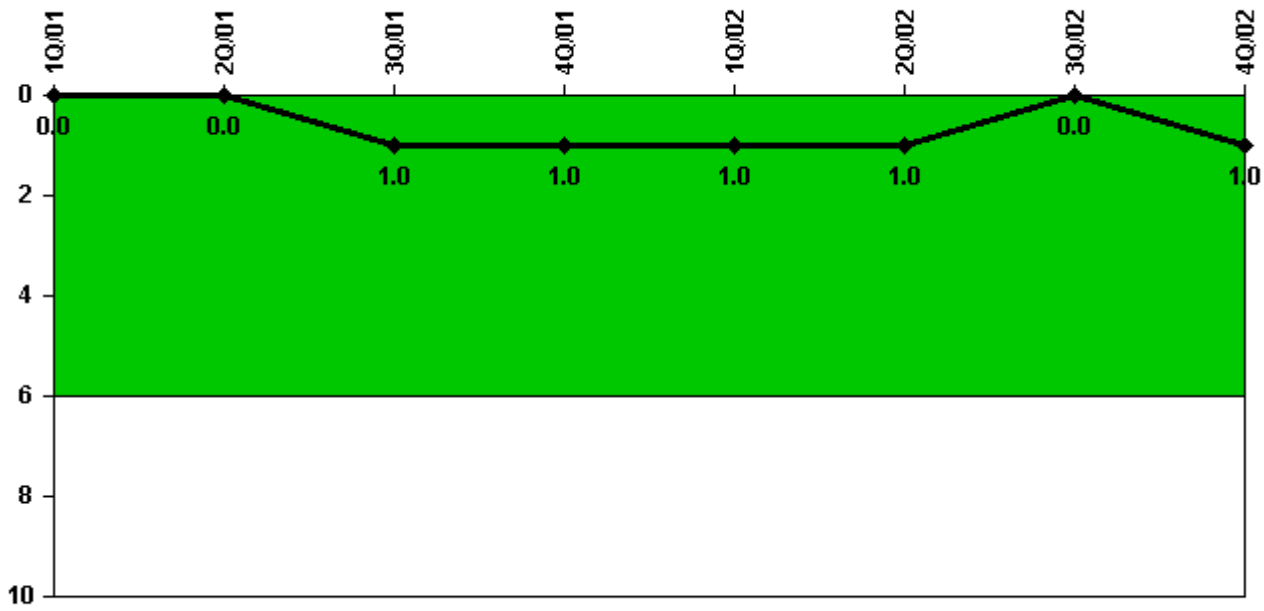
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	3.65	4.87	82.80	9.63	1.38	101.22	3.24	0
Unplanned unavailable hours	0.85	0	0	0	0	0	17.63	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	0	0.55	41.42	0	0	0.55	75.35
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	1.3%	1.1%	1.1%	1.2%	1.2%	1.4%	1.2%	1.0%

Licensee Comments: none

Safety System Functional Failures (BWR)



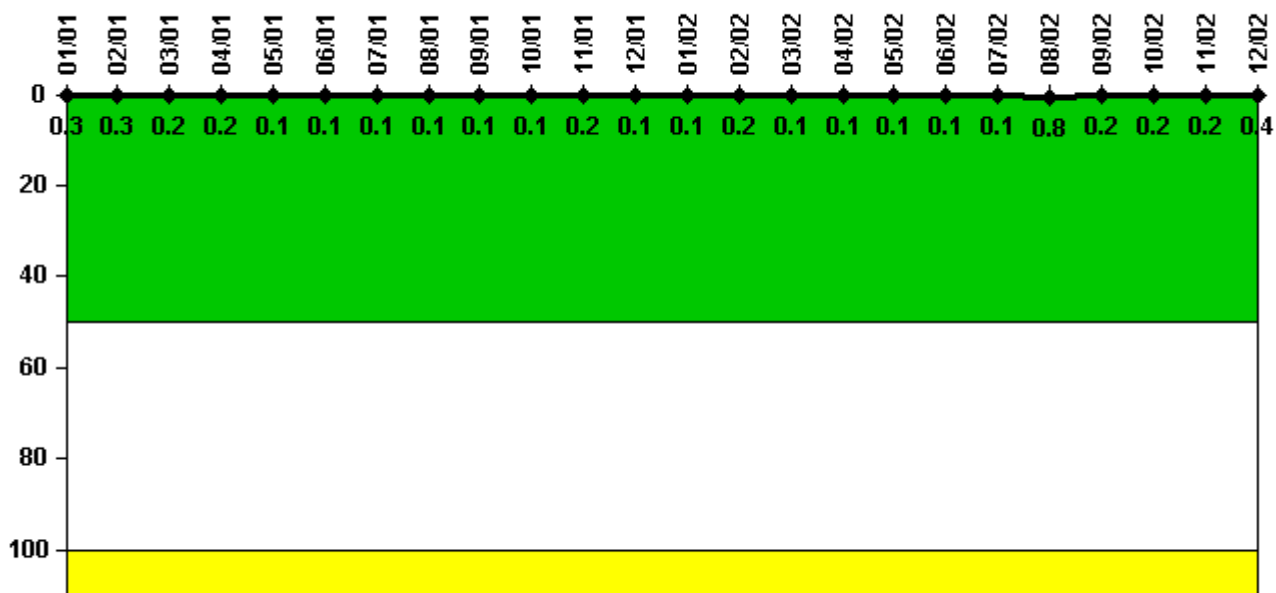
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

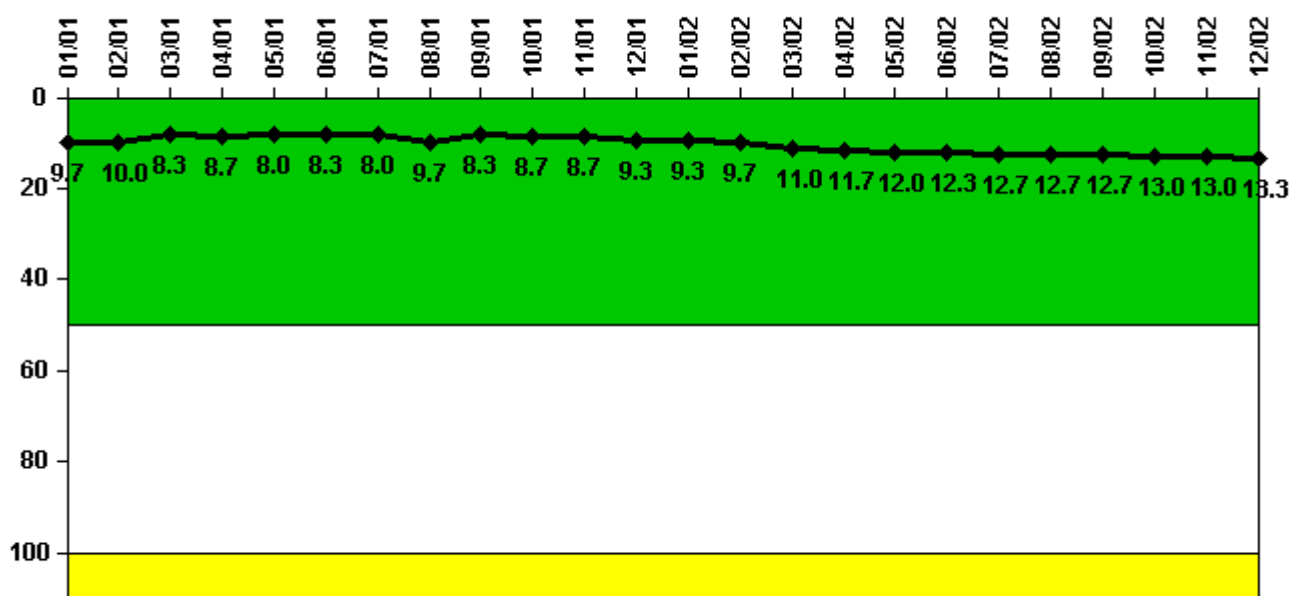
Notes

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	0.000635	0.000595	0.000437	0.000392	0.000206	0.000270	0.000258	0.000157	0.000197	0.000173	0.000311	0.000217
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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	0.000285	0.000315	0.000214	0.000218	0.000241	0.000155	0.000158	0.001530	0.000397	0.000460	0.000438	0.000823
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.8	0.2	0.2	0.2	0.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

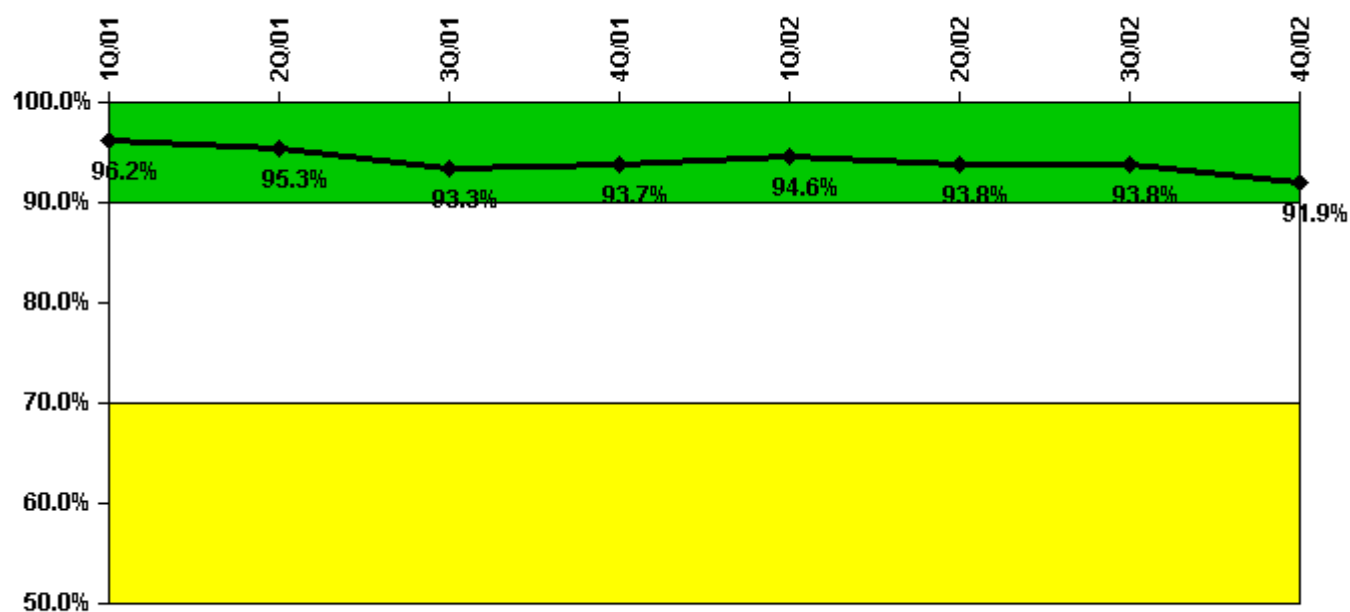
Notes

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	2.900	3.000	2.500	2.600	2.400	2.500	2.400	2.900	2.500	2.600	2.600	2.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.7	10.0	8.3	8.7	8.0	8.3	8.0	9.7	8.3	8.7	8.7	9.3

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	2.800	2.900	3.300	3.500	3.600	3.700	3.800	3.800	3.800	3.900	3.900	4.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.3	9.7	11.0	11.7	12.0	12.3	12.7	12.7	12.7	13.0	13.0	13.3

Licensee Comments: none

Drill/Exercise Performance



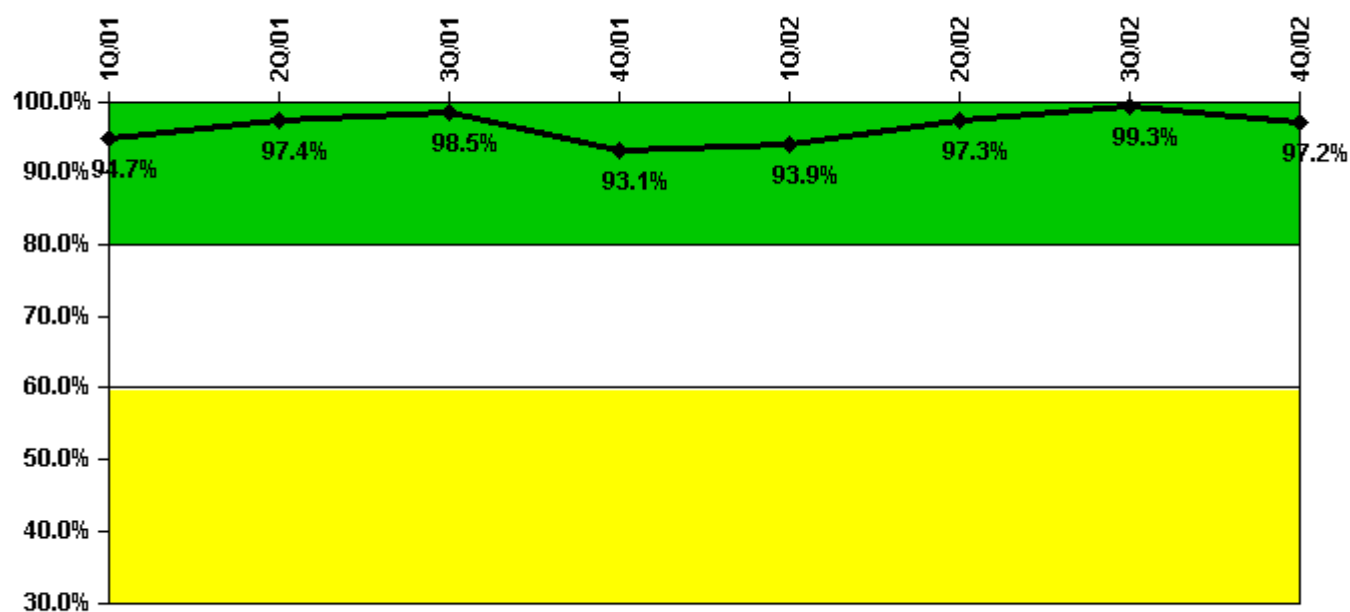
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	0	13.0	24.0	26.0	20.0	39.0	16.0	21.0
Total opportunities	0	15.0	28.0	26.0	20.0	42.0	18.0	24.0
Indicator value	96.2%	95.3%	93.3%	93.7%	94.6%	93.8%	93.8%	91.9%

Licensee Comments: none

ERO Drill Participation



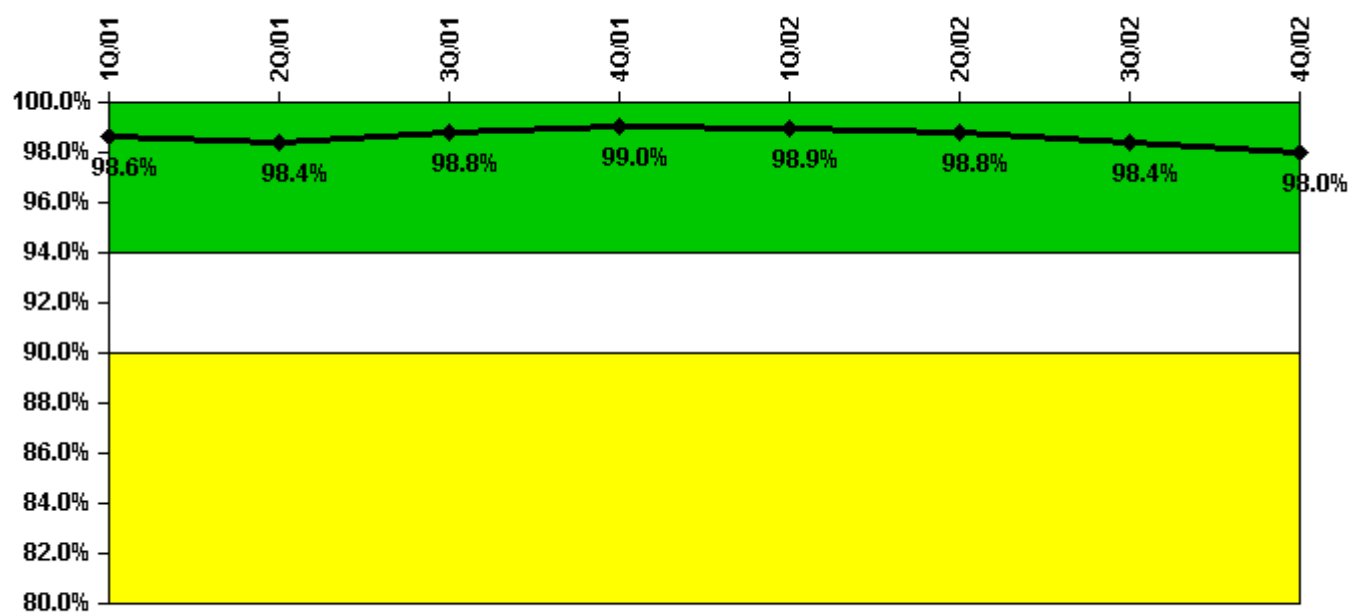
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	107.0	111.0	134.0	135.0	139.0	144.0	144.0	137.0
Total Key personnel	113.0	114.0	136.0	145.0	148.0	148.0	145.0	141.0
Indicator value	94.7%	97.4%	98.5%	93.1%	93.9%	97.3%	99.3%	97.2%

Licensee Comments: none

Alert & Notification System



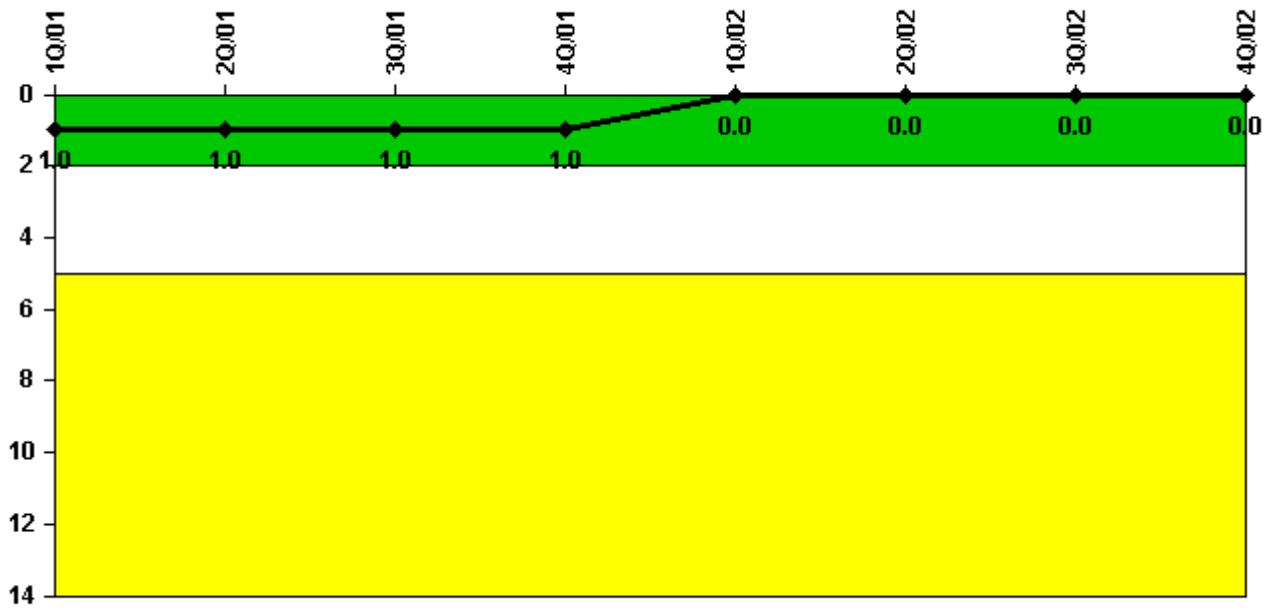
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	528	521	530	527	526	519	596	445
Total sirens-tests	532	532	532	532	532	532	608	456
Indicator value	98.6%	98.4%	98.8%	99.0%	98.9%	98.8%	98.4%	98.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness

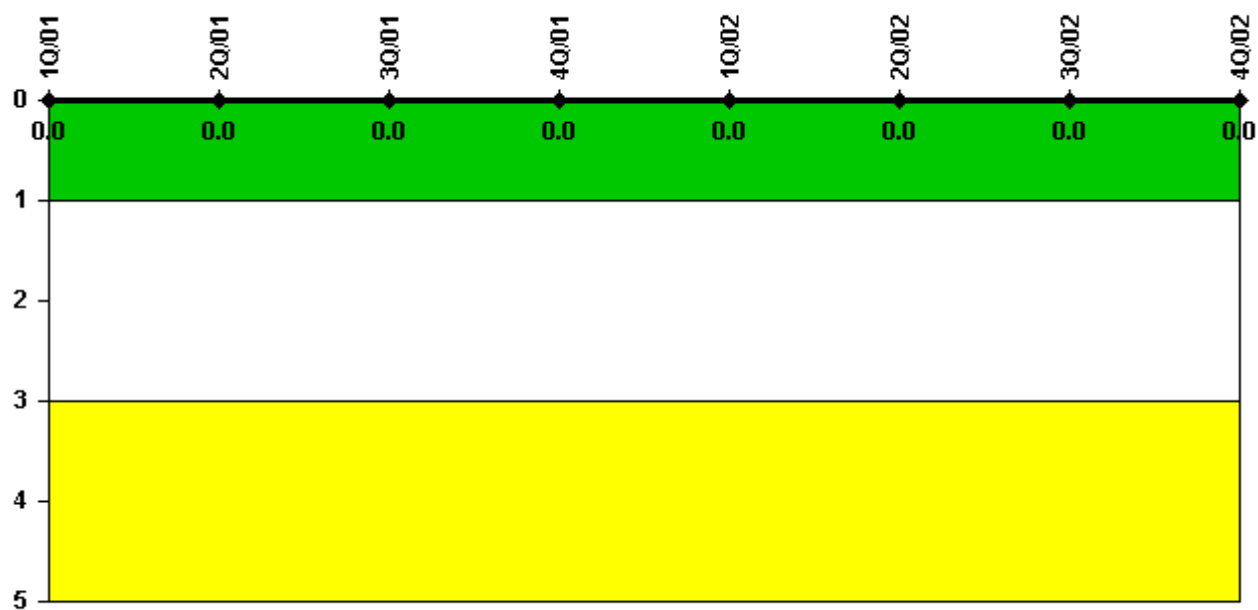


Thresholds: White > 2.0 Yellow > 5.0

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

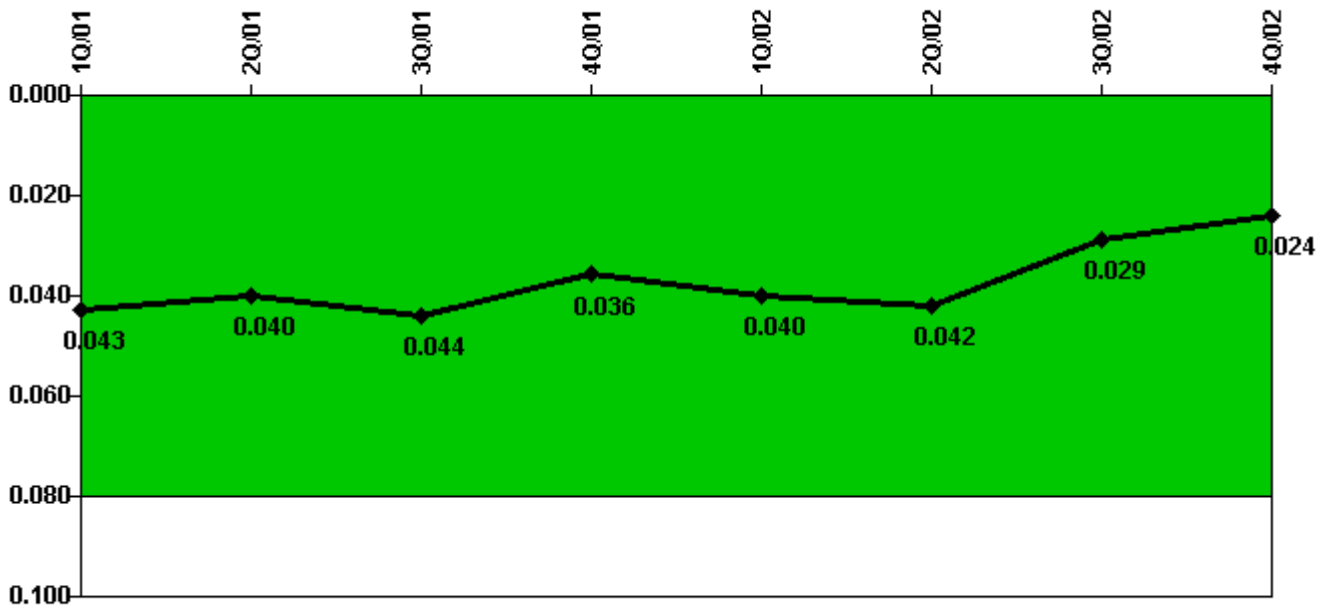
Thresholds: White > 1.0 Yellow > 3.0

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



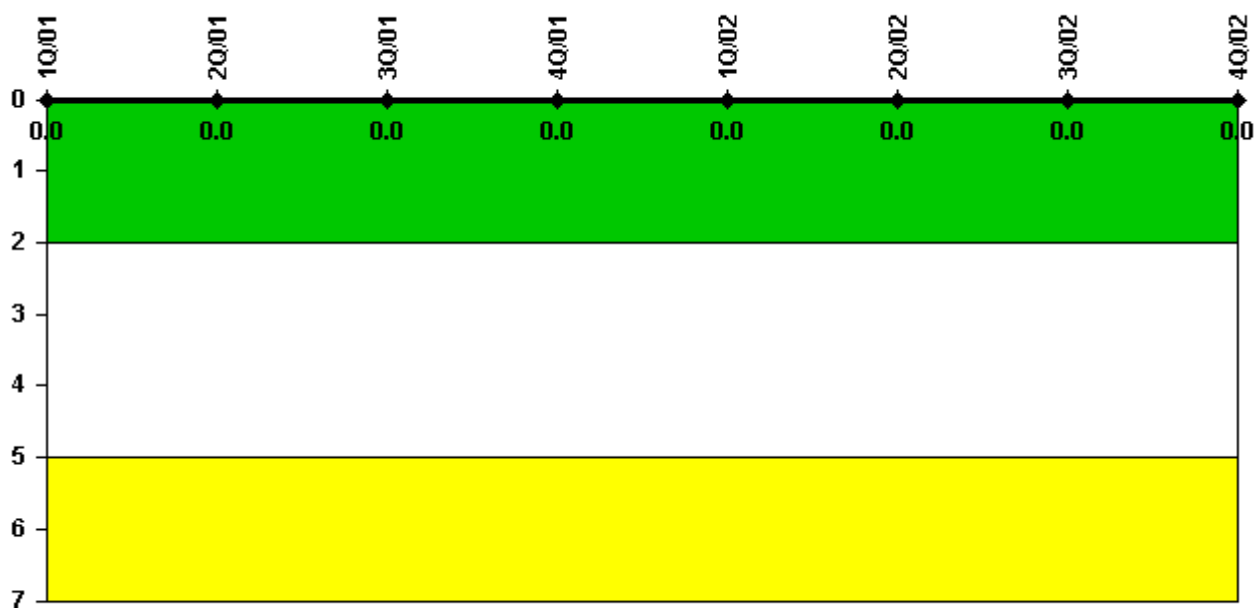
Thresholds: White > 0.080

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	59.40	197.50	289.60	105.70	149.40	219.40	18.50	12.40
CCTV compensatory hours	28.5	1.0	14.3	0	17.3	12.7	26.9	4.4
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.043	0.040	0.044	0.036	0.040	0.042	0.029	0.024

Licensee Comments: none

Personnel Screening Program



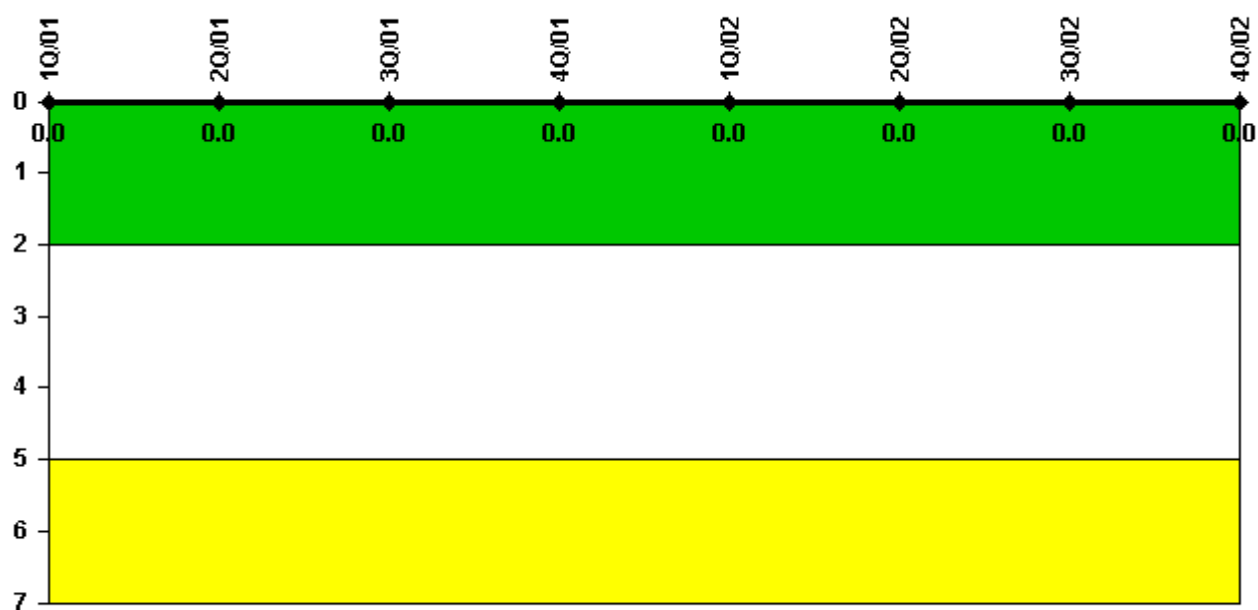
Thresholds: White > 2.0 Yellow > 5.0

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](#)

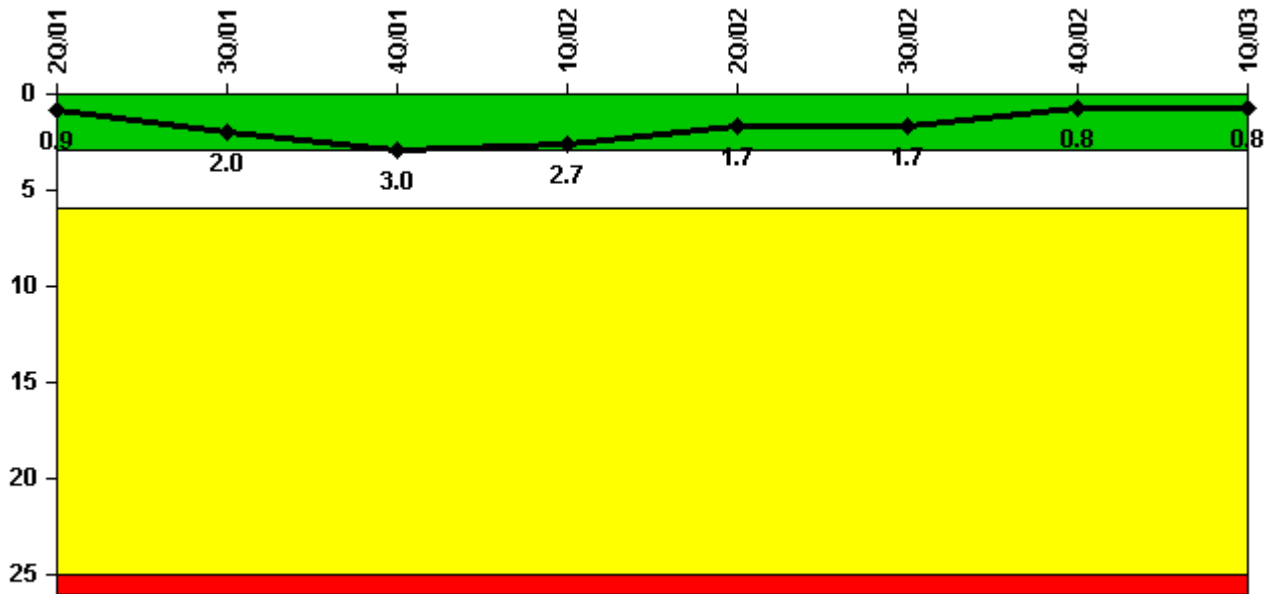
Last Modified: January 30, 2003

Perry 1

1Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



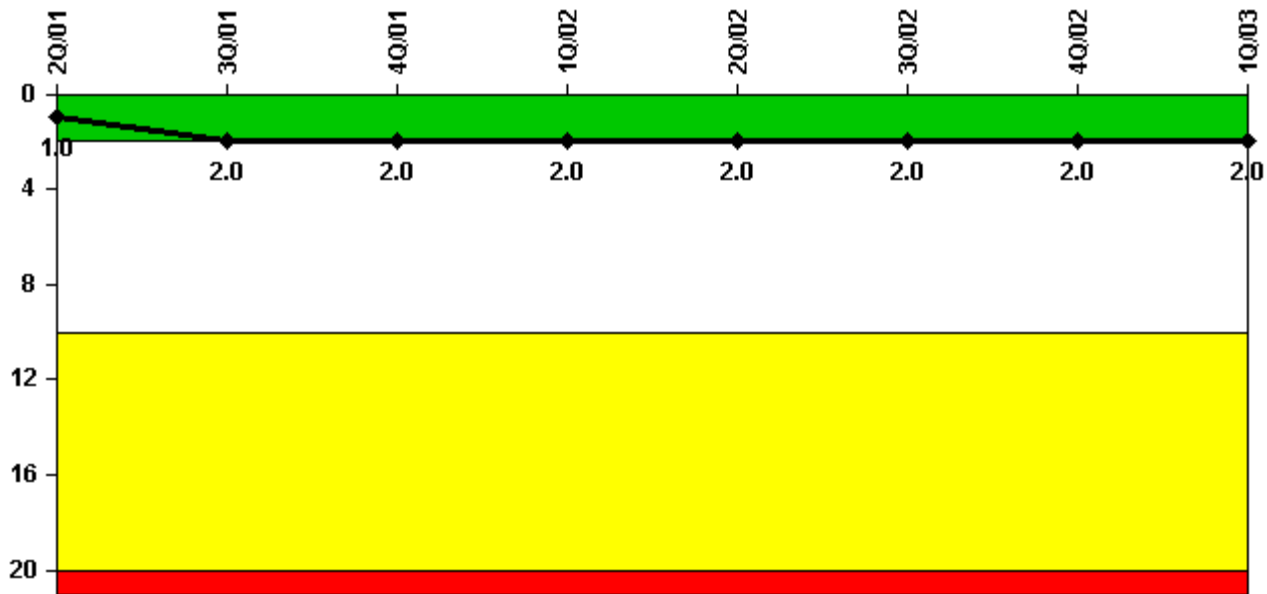
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	1.0	0	0	1.0	0	0
Critical hours	1640.9	1798.9	2156.2	2160.0	2026.0	1993.7	2138.6	2160.0
Indicator value	0.9	2.0	3.0	2.7	1.7	1.7	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



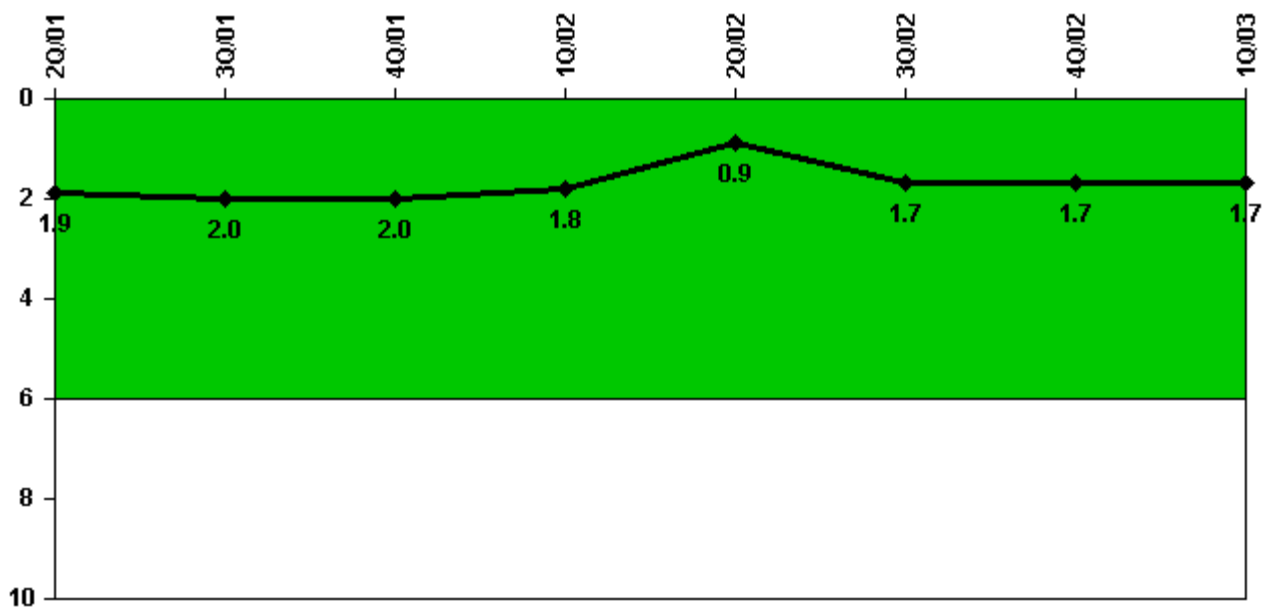
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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



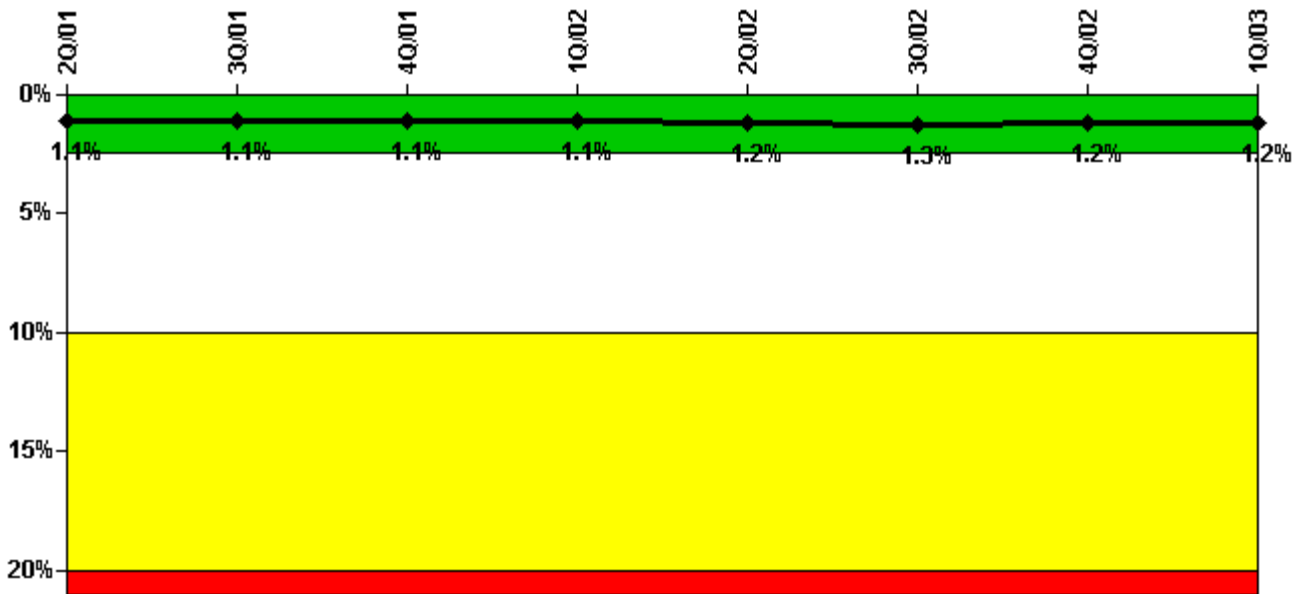
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	2.0	0	0	0	1.0	1.0	0	0
Critical hours	1640.9	1798.9	2156.2	2160.0	2026.0	1993.7	2138.6	2160.0
Indicator value	1.9	2.0	2.0	1.8	0.9	1.7	1.7	1.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



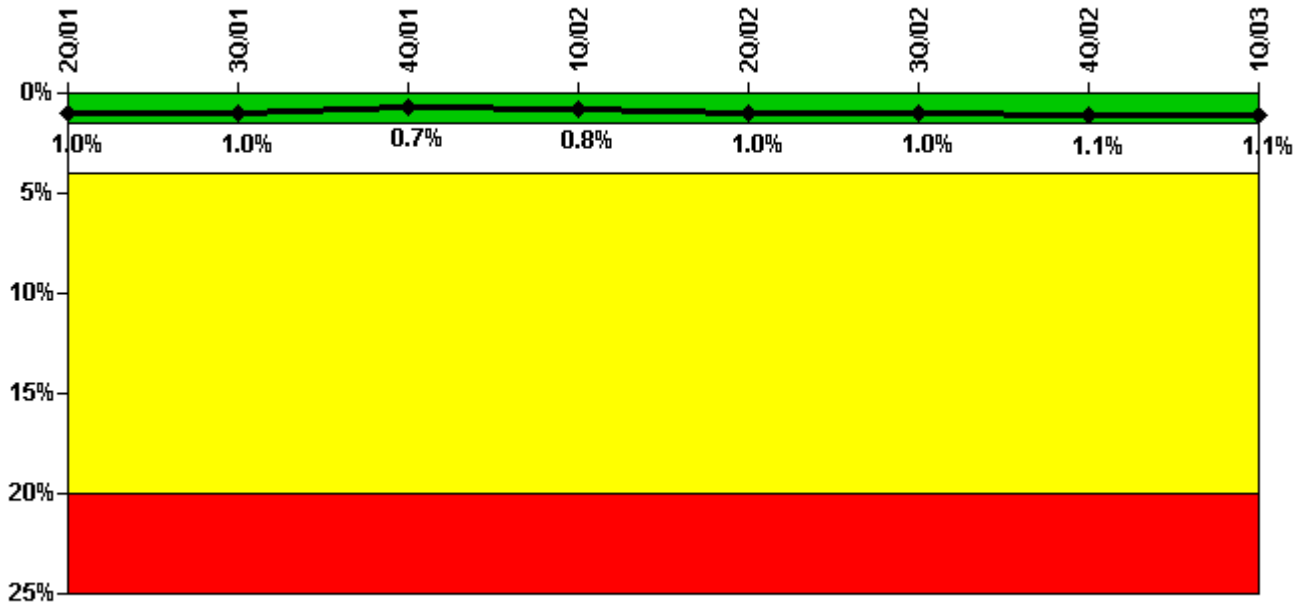
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	5.87	53.05	15.95	25.00	58.03	5.80	5.05	23.02
Unplanned unavailable hours	13.92	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	7.56	17.10	64.51	6.74	20.78	4.69	23.47	6.13
Unplanned unavailable hours	0	0	0	0	0	65.71	45.82	0.17
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	33.69	12.15	2.15	1.44	1.26	1.55	12.30	30.38
Unplanned unavailable hours	0	4.58	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.1%	1.1%	1.1%	1.1%	1.2%	1.3%	1.2%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



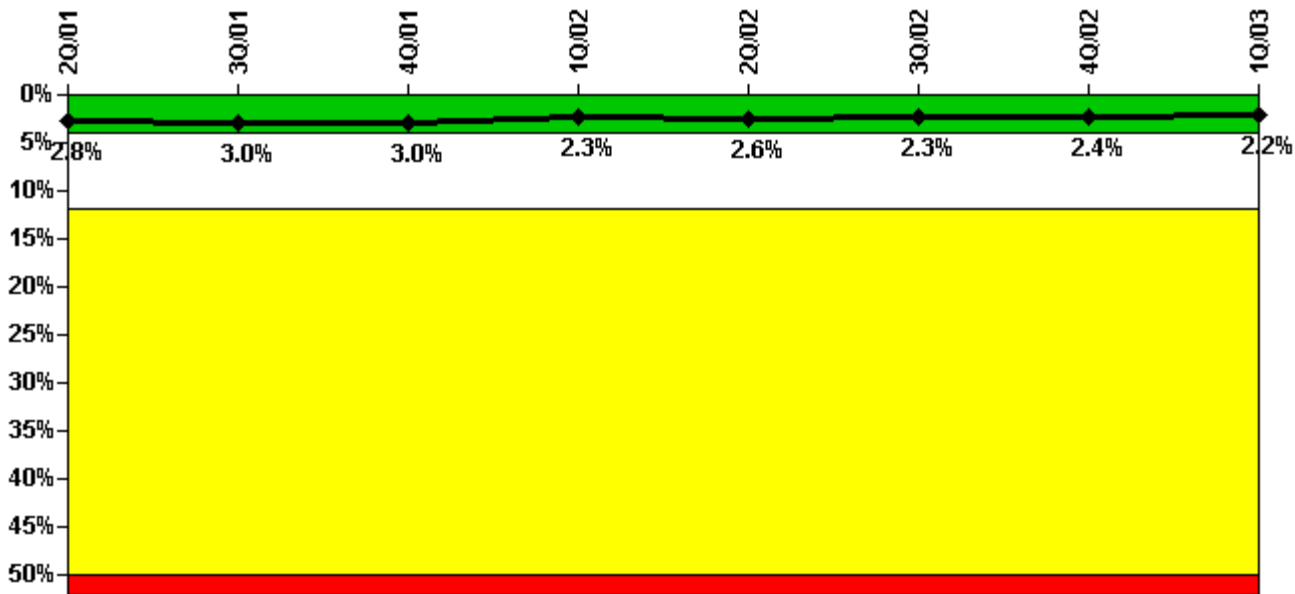
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	31.13	2.74	1.22	45.10	97.85	4.12	1.20	16.83
Unplanned unavailable hours	0	0	0	0	0	0	7.73	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	1640.90	1798.90	2156.20	2160.00	2026.00	1993.68	2138.60	2160.00
Indicator value	1.0%	1.0%	0.7%	0.8%	1.0%	1.0%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



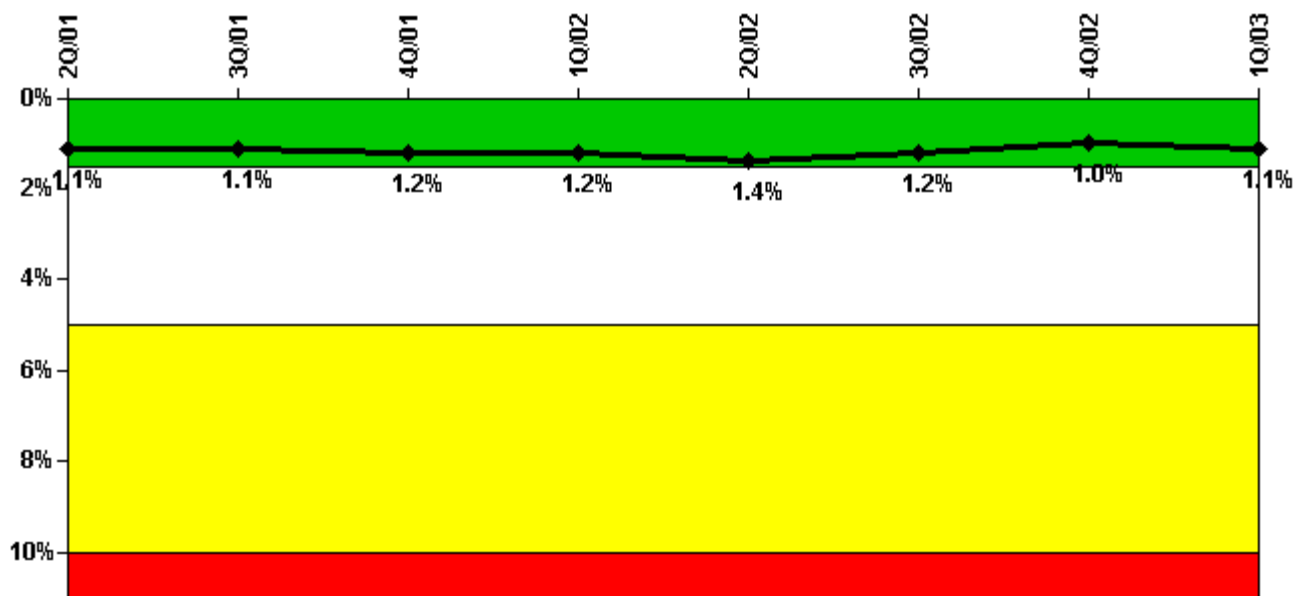
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	43.59	45.66	3.35	114.70	92.58	3.20	19.29	33.05
Unplanned unavailable hours	0	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	1640.90	1798.90	2156.20	2160.00	2026.00	1993.68	2138.60	2160.00
Indicator value	2.8%	3.0%	3.0%	2.3%	2.6%	2.3%	2.4%	2.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



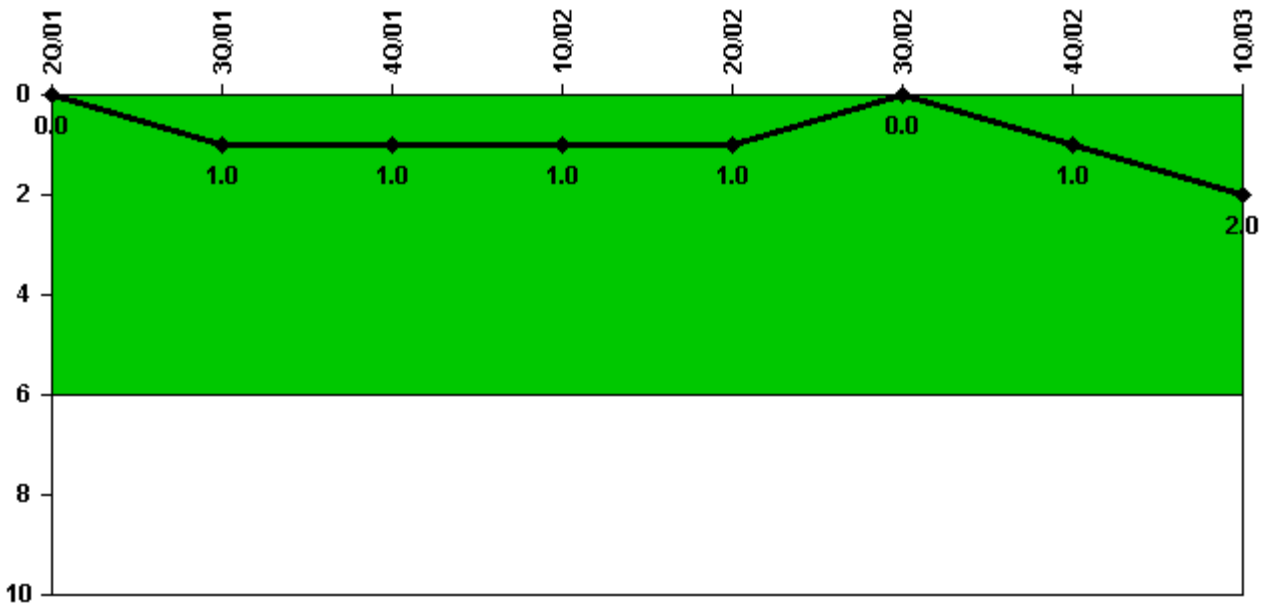
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	4.87	82.80	9.63	1.38	101.22	3.24	0	37.72
Unplanned unavailable hours	0	0	0	0	0	17.63	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	0.55	41.42	0	0	0.55	75.35	3.59
Unplanned unavailable hours	0	0	0	0	0	0	0	0.17
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	1.1%	1.1%	1.2%	1.2%	1.4%	1.2%	1.0%	1.1%

Licensee Comments: none

Safety System Functional Failures (BWR)



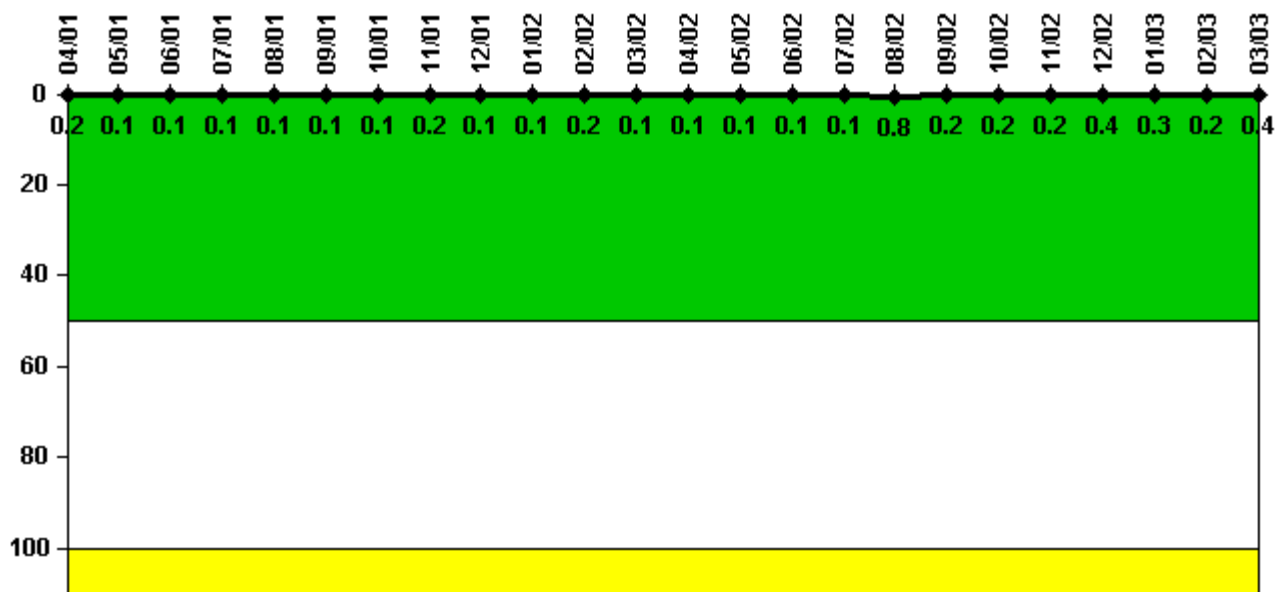
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

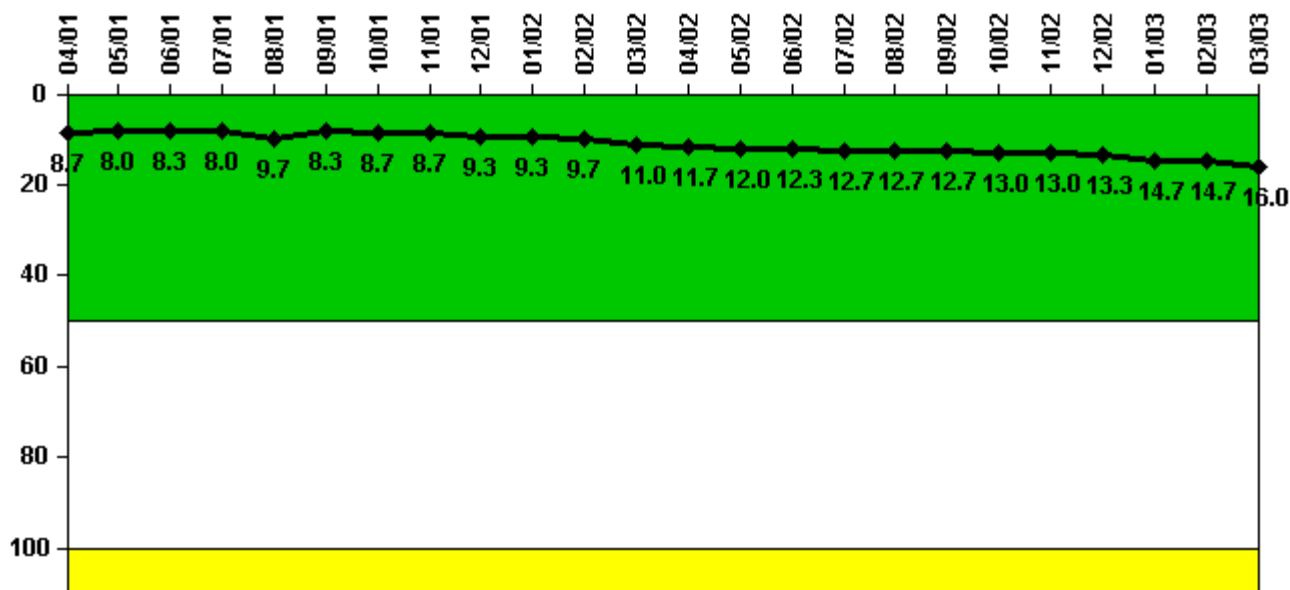
Notes

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	0.000392	0.000206	0.000270	0.000258	0.000157	0.000197	0.000173	0.000311	0.000217	0.000285	0.000315	0.000214
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	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	0.000218	0.000241	0.000155	0.000158	0.001530	0.000397	0.000460	0.000438	0.000823	0.000525	0.000497	0.000766
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0.1	0.1	0.8	0.2	0.2	0.2	0.4	0.3	0.2	0.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

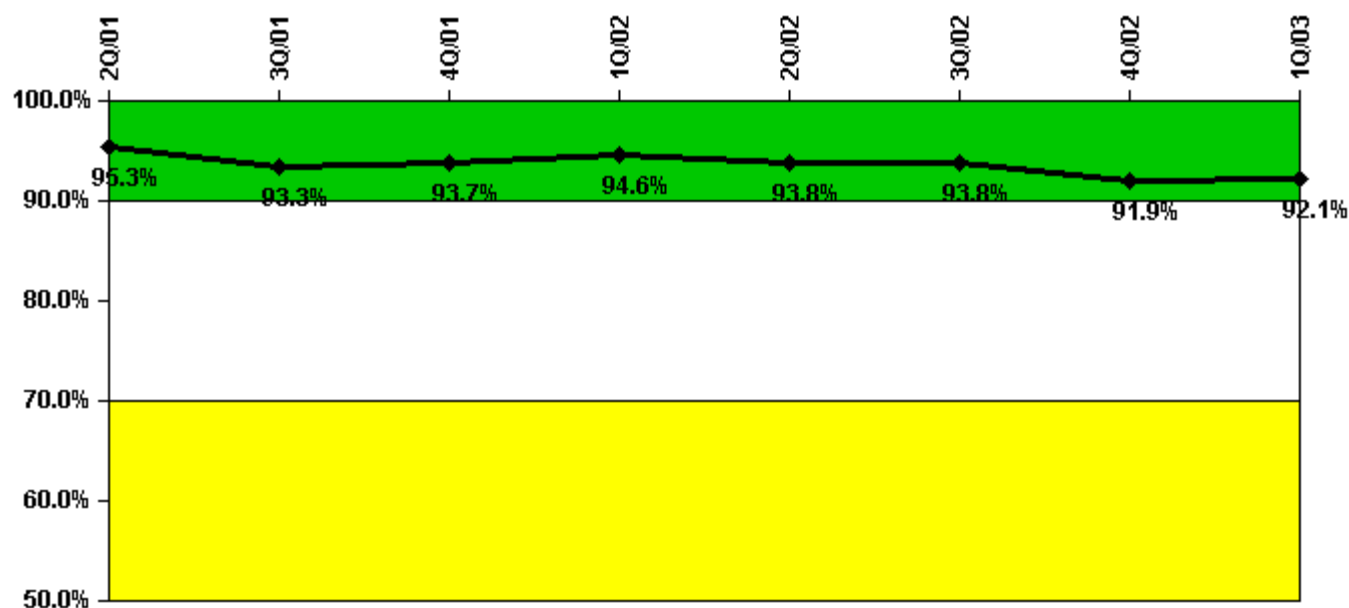
Notes

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	2.600	2.400	2.500	2.400	2.900	2.500	2.600	2.600	2.800	2.800	2.900	3.300
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.7	8.0	8.3	8.0	9.7	8.3	8.7	8.7	9.3	9.3	9.7	11.0

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	3.500	3.600	3.700	3.800	3.800	3.800	3.900	3.900	4.000	4.400	4.400	4.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	11.7	12.0	12.3	12.7	12.7	12.7	13.0	13.0	13.3	14.7	14.7	16.0

Licensee Comments: none

Drill/Exercise Performance



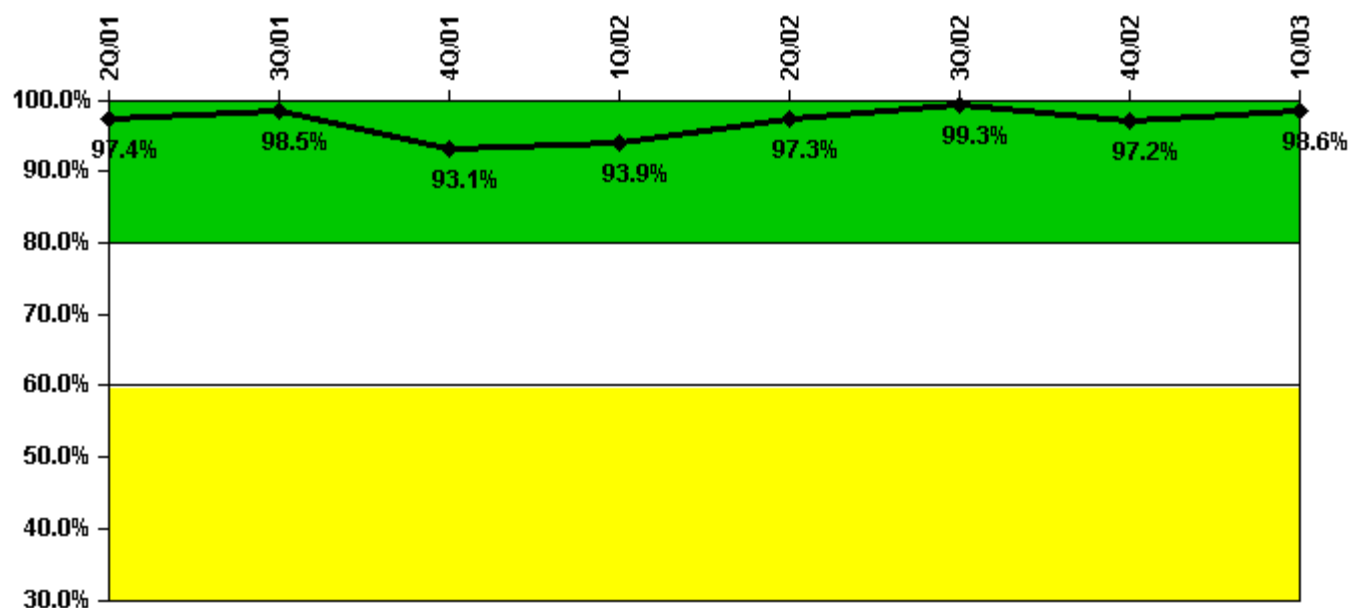
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	13.0	24.0	26.0	20.0	39.0	16.0	21.0	17.0
Total opportunities	15.0	28.0	26.0	20.0	42.0	18.0	24.0	18.0
Indicator value	95.3%	93.3%	93.7%	94.6%	93.8%	93.8%	91.9%	92.1%

Licensee Comments: none

ERO Drill Participation



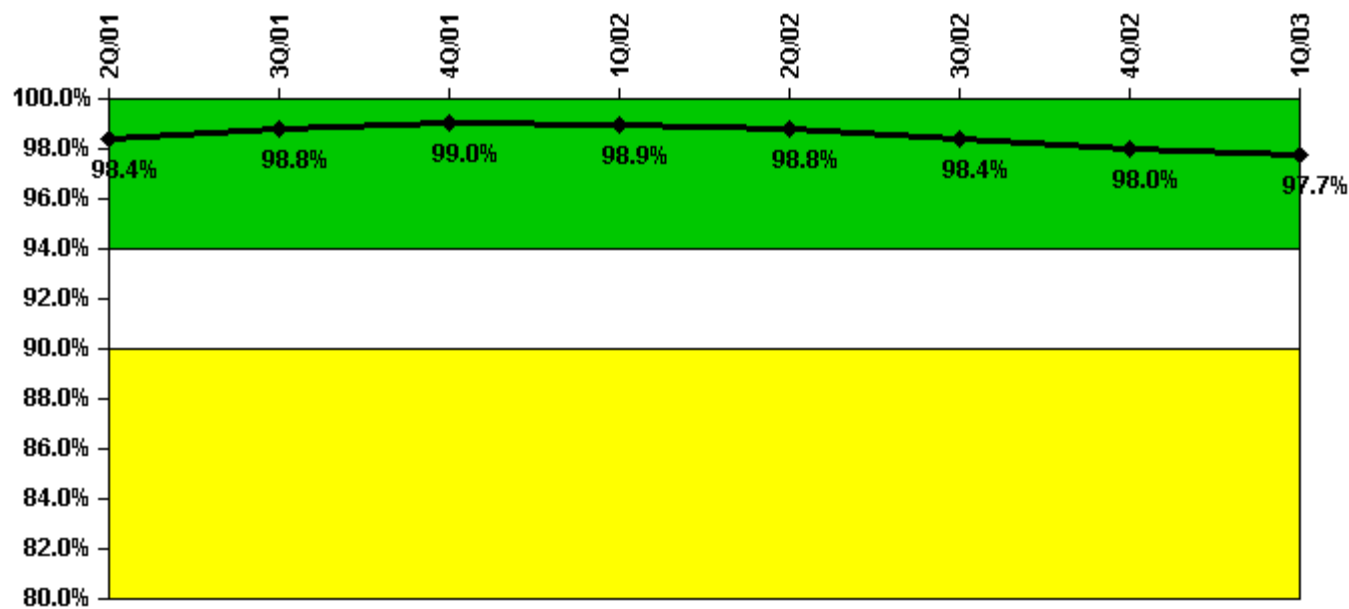
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	111.0	134.0	135.0	139.0	144.0	144.0	137.0	144.0
Total Key personnel	114.0	136.0	145.0	148.0	148.0	145.0	141.0	146.0
Indicator value	97.4%	98.5%	93.1%	93.9%	97.3%	99.3%	97.2%	98.6%

Licensee Comments: none

Alert & Notification System



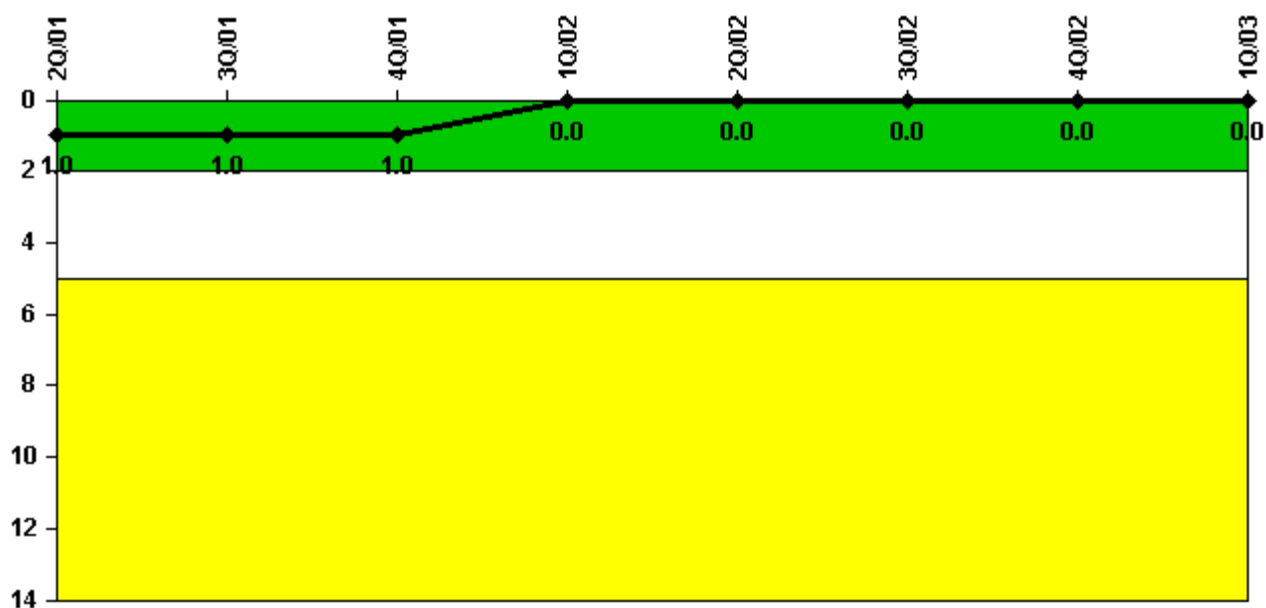
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	521	530	527	526	519	596	445	594
Total sirens-tests	532	532	532	532	532	608	456	608
Indicator value	98.4%	98.8%	99.0%	98.9%	98.8%	98.4%	98.0%	97.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness

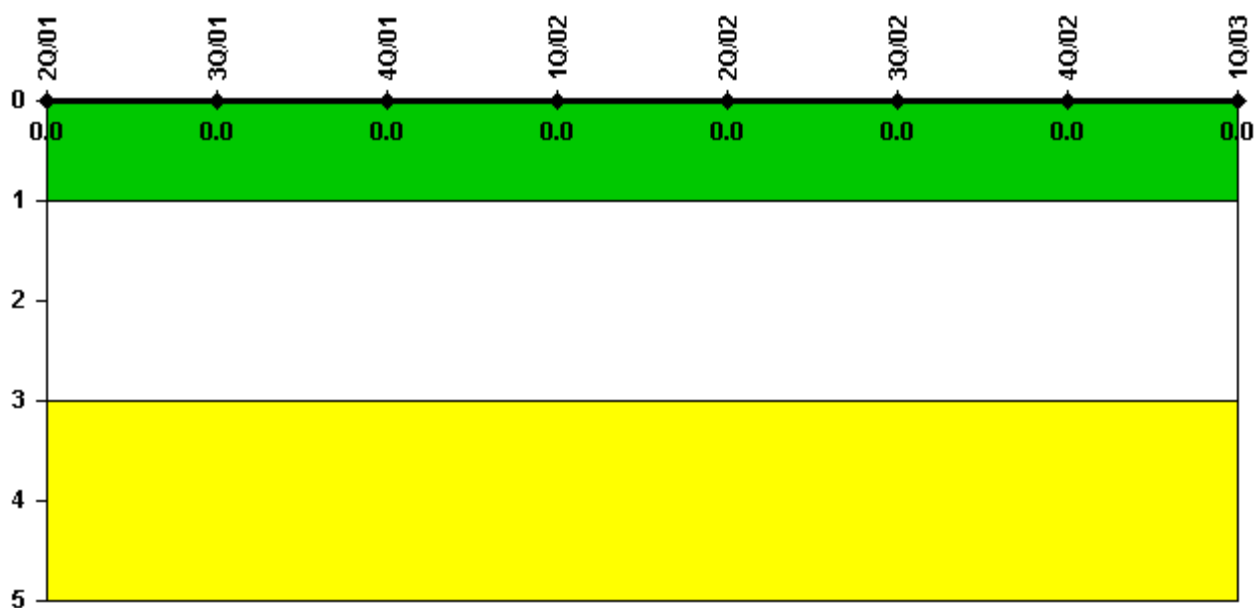


Thresholds: White > 2.0 Yellow > 5.0

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

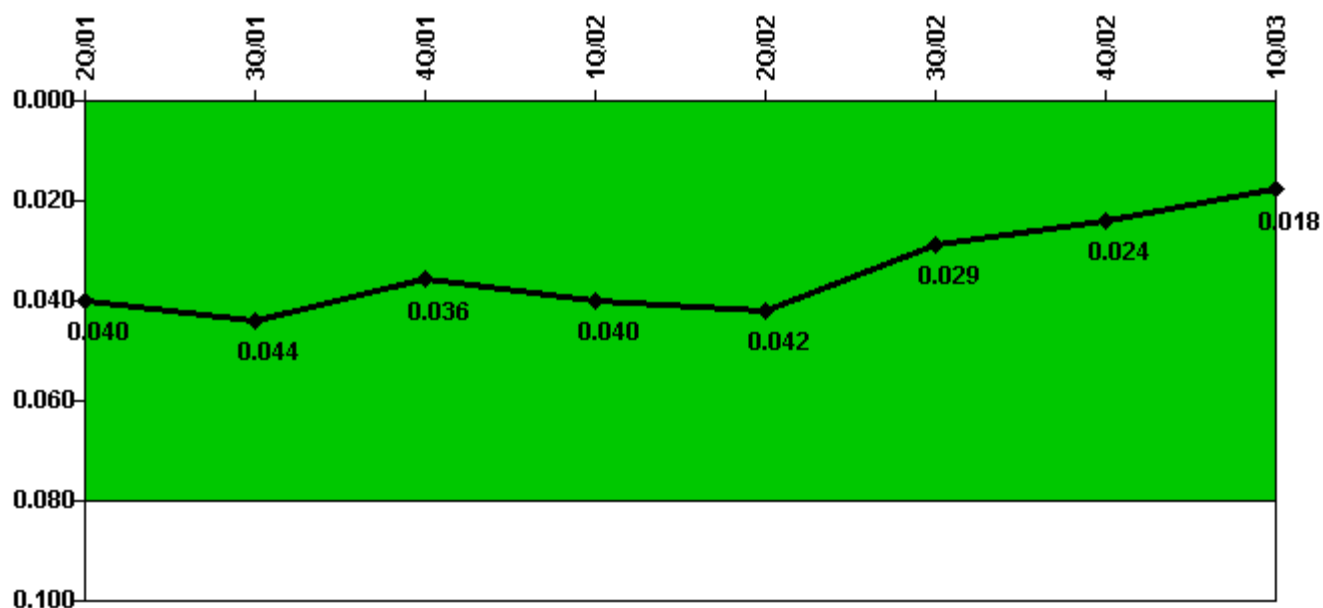
Thresholds: White > 1.0 Yellow > 3.0

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



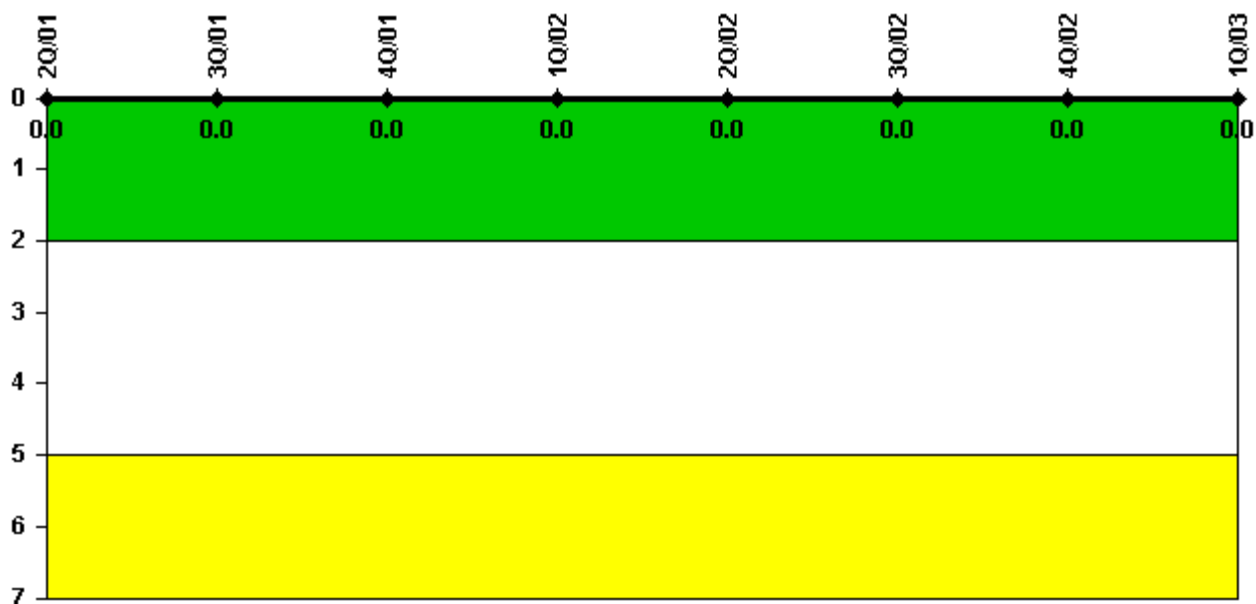
Thresholds: White > 0.080

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	197.50	289.60	105.70	149.40	219.40	18.50	12.40	49.50
CCTV compensatory hours	1.0	14.3	0	17.3	12.7	26.9	4.4	5.2
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.040	0.044	0.036	0.040	0.042	0.029	0.024	0.018

Licensee Comments: none

Personnel Screening Program



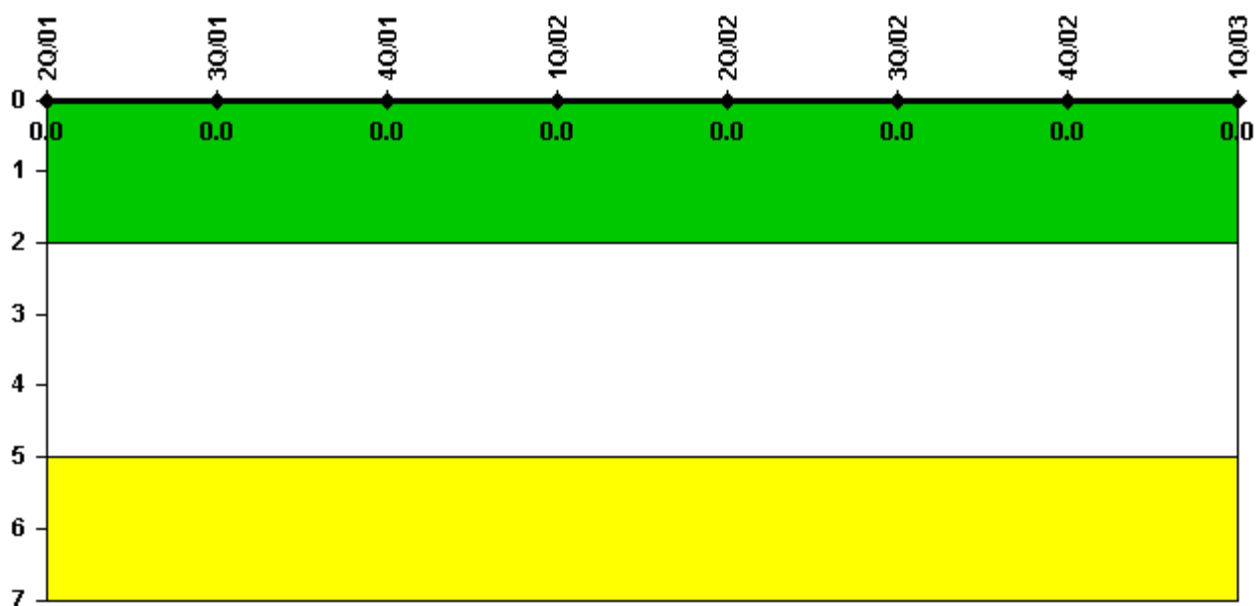
Thresholds: White > 2.0 Yellow > 5.0

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](#)

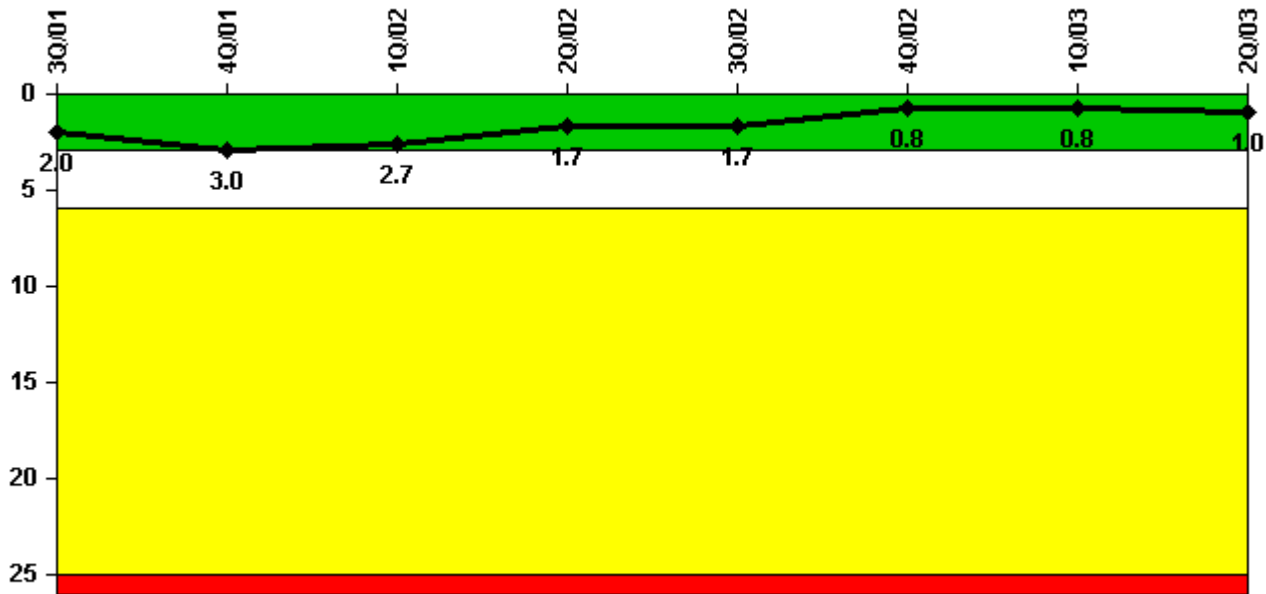
Last Modified: April 22, 2003

Perry 1

2Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



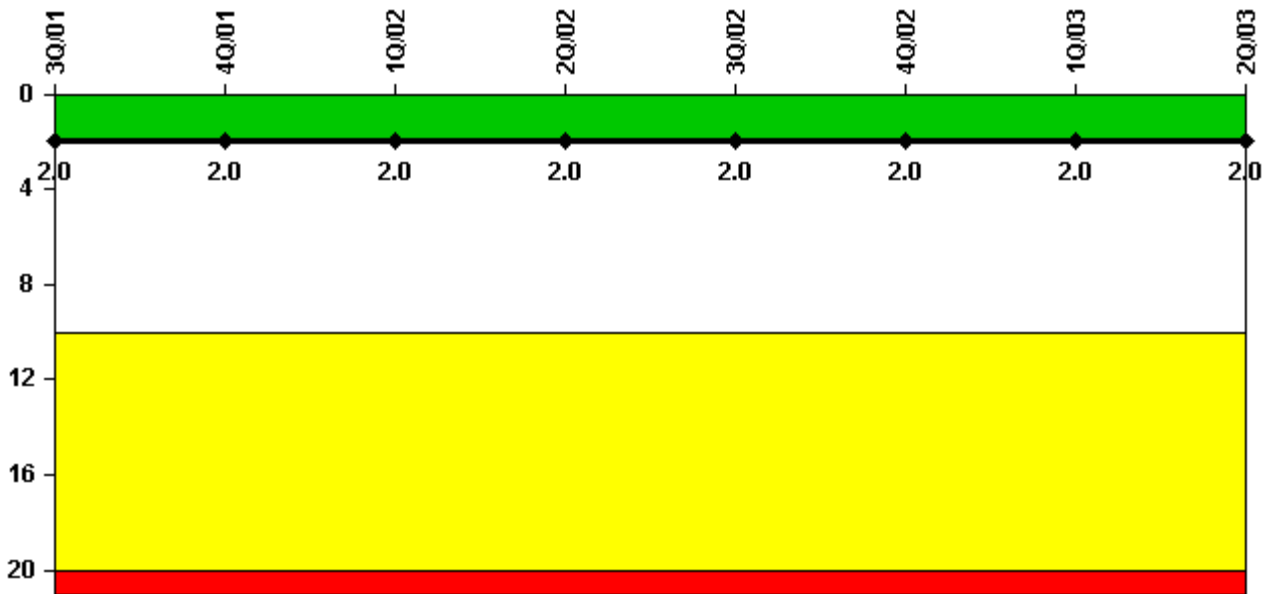
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0	0	1.0	0	0	0
Critical hours	1798.9	2156.2	2160.0	2026.0	1993.7	2138.6	2160.0	900.6
Indicator value	2.0	3.0	2.7	1.7	1.7	0.8	0.8	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



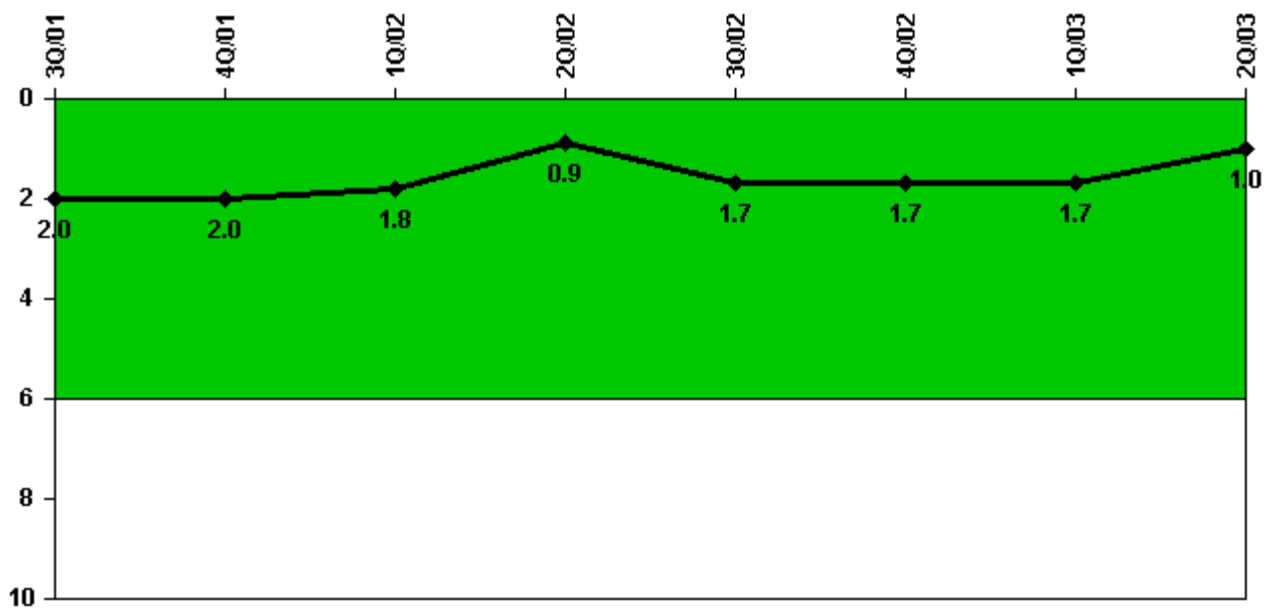
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
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



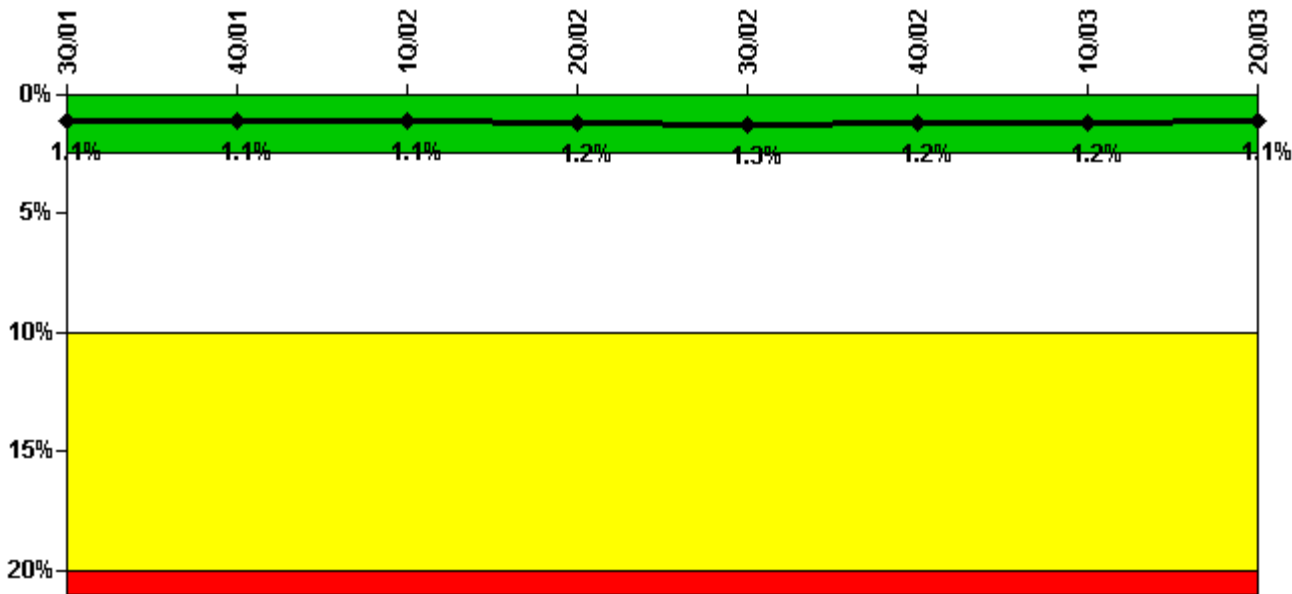
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	1798.9	2156.2	2160.0	2026.0	1993.7	2138.6	2160.0	900.6
Indicator value	2.0	2.0	1.8	0.9	1.7	1.7	1.7	1.0

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/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	53.05	15.95	25.00	58.03	5.80	5.05	23.02	2.47
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	17.10	64.51	6.74	20.78	4.69	23.47	6.13	3.84
Unplanned unavailable hours	0	0	0	0	65.71	45.82	0.17	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 3								
Planned unavailable hours	12.15	2.15	1.44	1.26	1.55	12.30	30.38	3.65
Unplanned unavailable hours	4.58	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.1%	1.1%	1.1%	1.2%	1.3%	1.2%	1.2%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



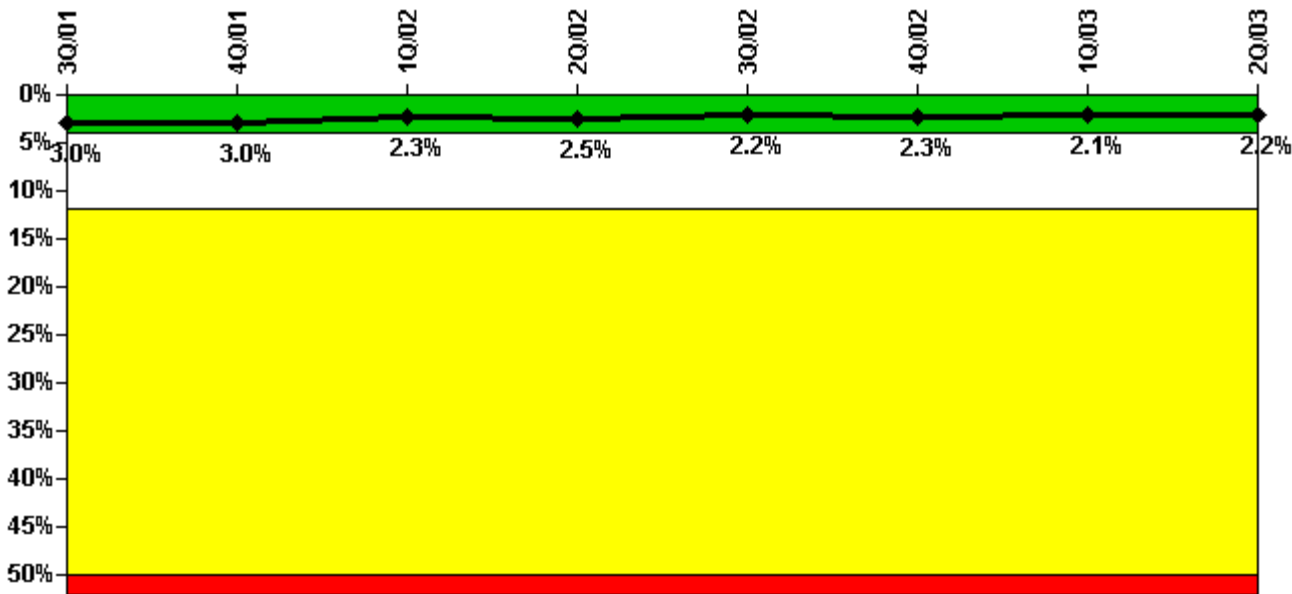
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	2.74	1.22	45.10	97.85	4.12	1.20	16.83	2.22
Unplanned unavailable hours	0	0	0	0	0	7.73	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	1798.90	2156.20	2160.00	2026.00	1993.68	2138.60	2160.00	900.60
Indicator value	1.0%	0.7%	0.8%	1.0%	1.0%	1.1%	1.1%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

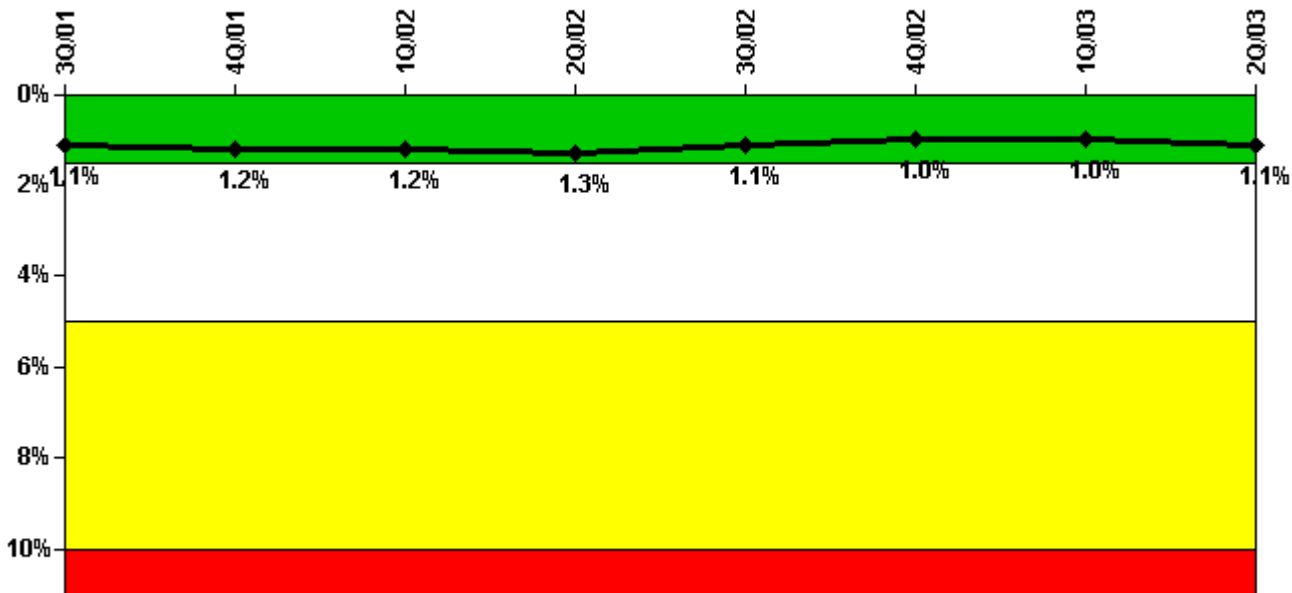
Safety System Unavailability, Heat Removal System (RCIC)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	45.66	3.35	114.70	68.58	3.20	19.29	33.05	34.05
Unplanned unavailable hours	2.90	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1798.90	2156.20	2160.00	2026.00	1993.68	2138.60	2160.00	900.60
Indicator value	3.0%	3.0%	2.3%	2.5%	2.2%	2.3%	2.1%	2.2%

Licensee Comments:

2Q/03: Historical data for May 2002 was corrected to remove 24 hours of unavailability that had been reported in error. This change has no effect on the indicator color.

2Q/02: Historical data correction: As a result of additional review of unavailability associated with system testing, previously reported data for the period from July 2000 through December 2001 has been adjusted with an additional 12.4 hours of unavailability. Also, engineering analysis was in progress regarding the impact of a support system component on system unavailability at the end of the last quarter. That review determined the support system component did not result in any unplanned or fault exposure hours. As a result, the data reported for January 2002 has been adjusted to reflect this change. These changes do not affect the indicator color. Data Correction entered Q2/2003: Submitted data for May 2002 contained 24 more hours of unavailability than actually existed, so this change removes the extra hours. This change does not affect the indicator color.

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	82.80	9.63	1.38	77.22	3.24	0	37.72	30.08
Unplanned unavailable hours	0	0	0	0	17.63	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	0.55	41.42	0	0	0.55	75.35	3.59	0.43
Unplanned unavailable hours	0	0	0	0	0	0	0.17	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	1.1%	1.2%	1.2%	1.3%	1.1%	1.0%	1.0%	1.1%

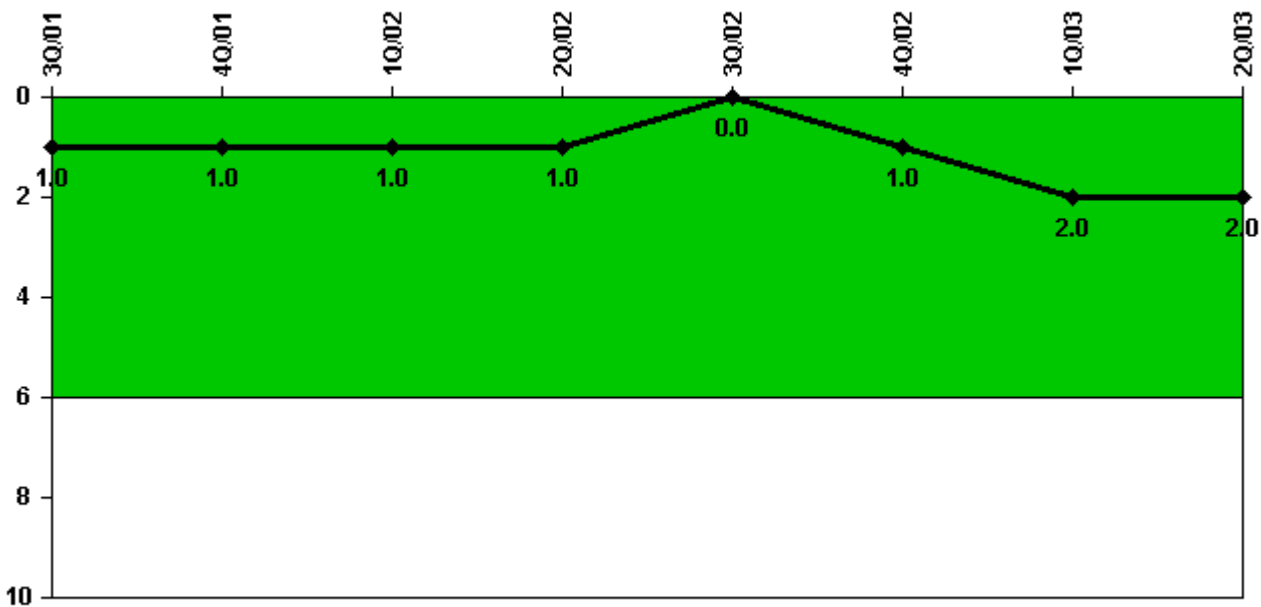
Licensee Comments:

2Q/03: Historical data for May 2002 was corrected to remove 24 hours of unavailability that had been reported in error. This change has no effect on the indicator color.

2Q/02: Historical data correction: As a result of additional review of unavailability associated with system testing,

previously reported data for the period from July 2000 through December 2001 has been adjusted with an additional 0.03 hours of unavailability. Also, engineering analysis was in progress regarding the impact of a support system component on system unavailability at the end of the last quarter. That review determined the support system component did not result in any unplanned or fault exposure hours. As a result, the data reported for January 2002 has been adjusted to reflect this change. These changes do not affect the indicator color. Data Correction entered Q2/2003: Submitted data for May 2002 contained 24 more hours of unavailability than actually existed, so this change removes the extra hours. This change does not affect the indicator color.

Safety System Functional Failures (BWR)



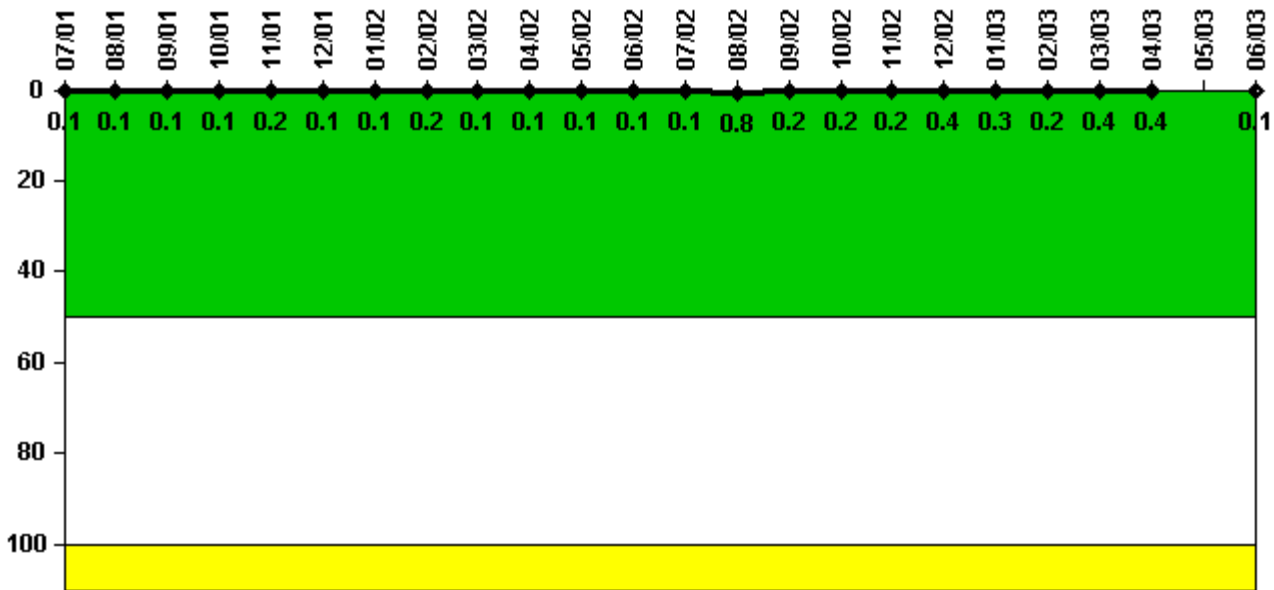
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

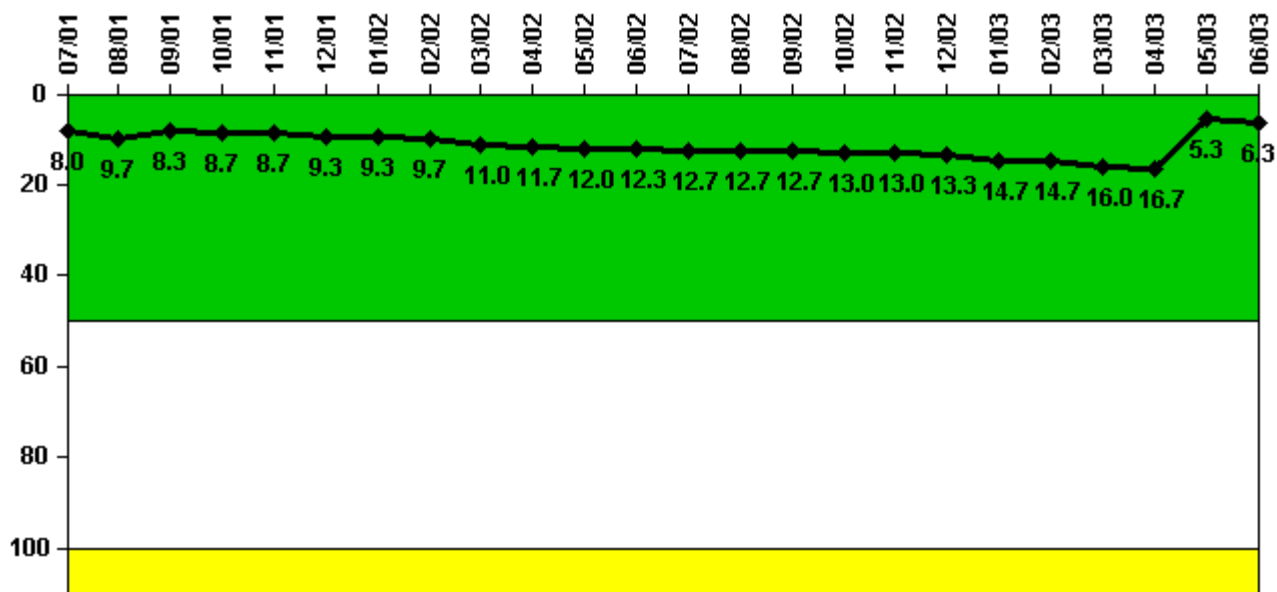
Notes

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	0.000258	0.000157	0.000197	0.000173	0.000311	0.000217	0.000285	0.000315	0.000214	0.000218	0.000241	0.000155
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1

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	0.000158	0.001530	0.000397	0.000460	0.000438	0.000823	0.000525	0.000497	0.000766	0.000734	N/A	0.000109
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.8	0.2	0.2	0.2	0.4	0.3	0.2	0.4	0.4	N/A	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

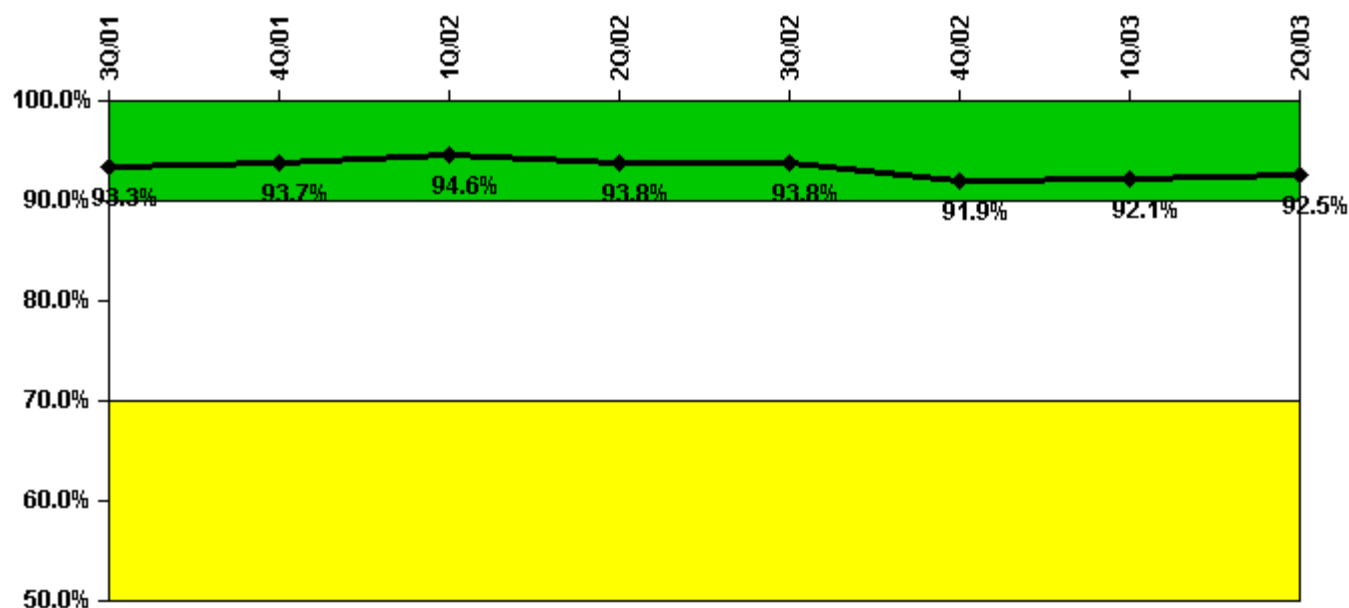
Notes

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	2.400	2.900	2.500	2.600	2.600	2.800	2.800	2.900	3.300	3.500	3.600	3.700
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.0	9.7	8.3	8.7	8.7	9.3	9.3	9.7	11.0	11.7	12.0	12.3

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	3.800	3.800	3.800	3.900	3.900	4.000	4.400	4.400	4.800	5.000	1.600	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	12.7	12.7	12.7	13.0	13.0	13.3	14.7	14.7	16.0	16.7	5.3	6.3

Licensee Comments: none

Drill/Exercise Performance



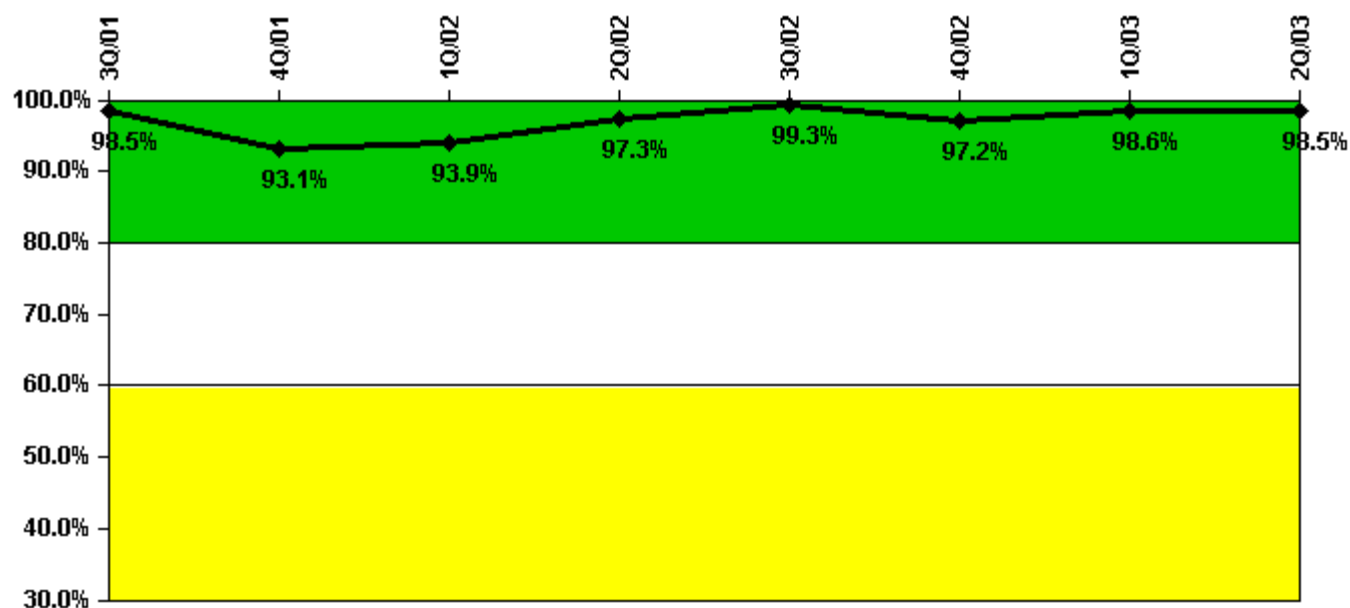
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	24.0	26.0	20.0	39.0	16.0	21.0	17.0	10.0
Total opportunities	28.0	26.0	20.0	42.0	18.0	24.0	18.0	11.0
Indicator value	93.3%	93.7%	94.6%	93.8%	93.8%	91.9%	92.1%	92.5%

Licensee Comments: none

ERO Drill Participation



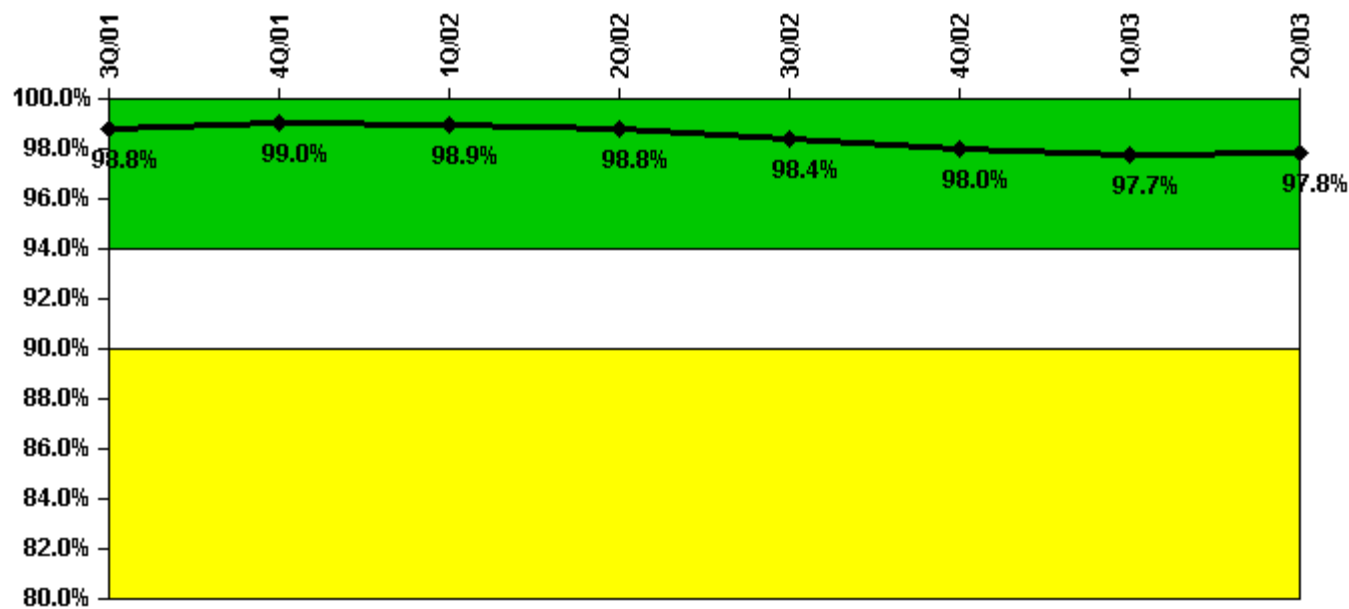
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	134.0	135.0	139.0	144.0	144.0	137.0	144.0	135.0
Total Key personnel	136.0	145.0	148.0	148.0	145.0	141.0	146.0	137.0
Indicator value	98.5%	93.1%	93.9%	97.3%	99.3%	97.2%	98.6%	98.5%

Licensee Comments: none

Alert & Notification System



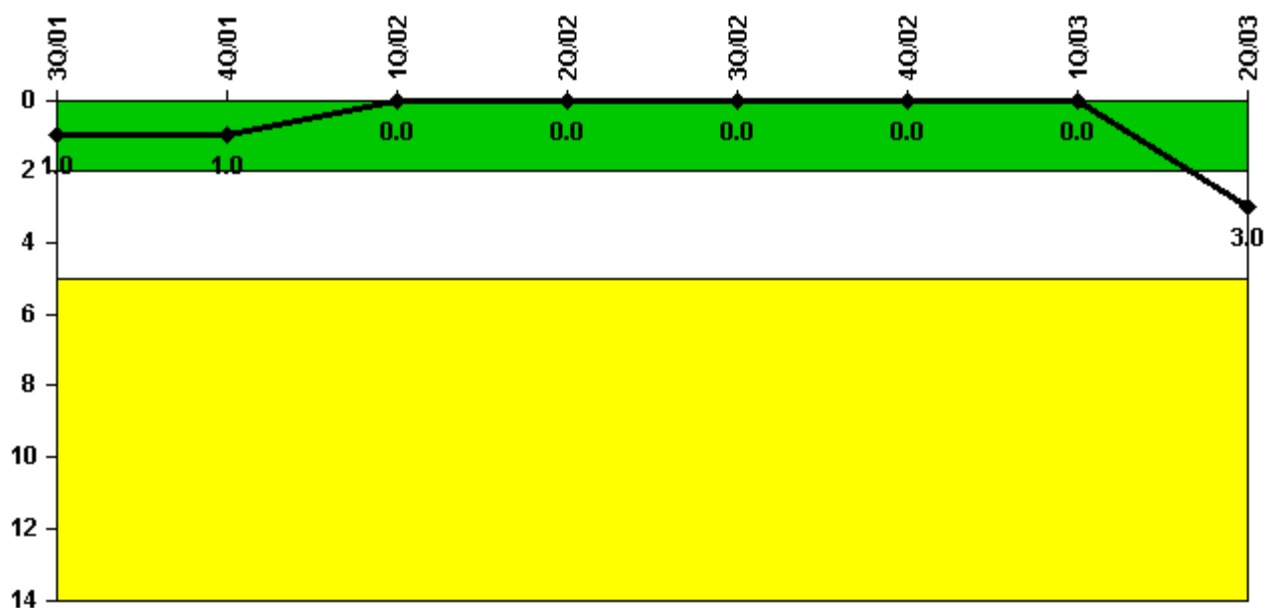
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	530	527	526	519	596	445	594	520
Total sirens-tests	532	532	532	532	608	456	608	532
Indicator value	98.8%	99.0%	98.9%	98.8%	98.4%	98.0%	97.7%	97.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



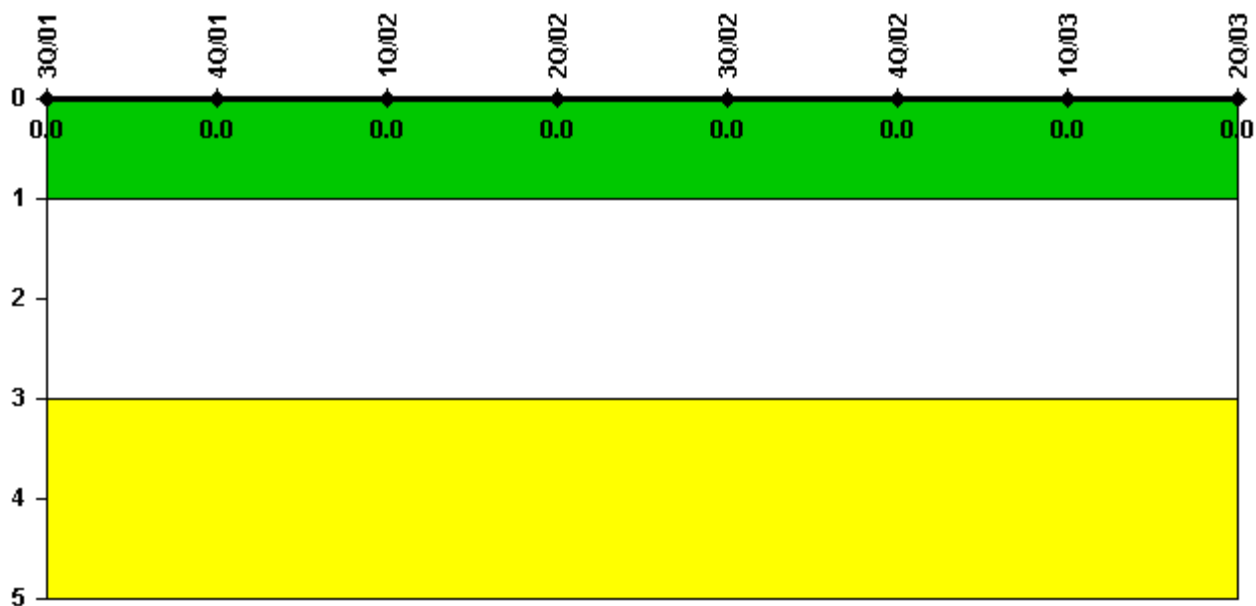
Thresholds: White > 2.0 Yellow > 5.0

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	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	2
Indicator value	1	1	0	0	0	0	0	3

Licensee Comments:

2Q/03: PI green-white threshold exceeded due to occurrences in April 2003 during the 9th refueling outage. One issue involved discovery of an un-posted technical specification high radiation area, two issues involved individuals receiving unintended exposure in excess of 100 millirem.

RETS/ODCM Radiological Effluent

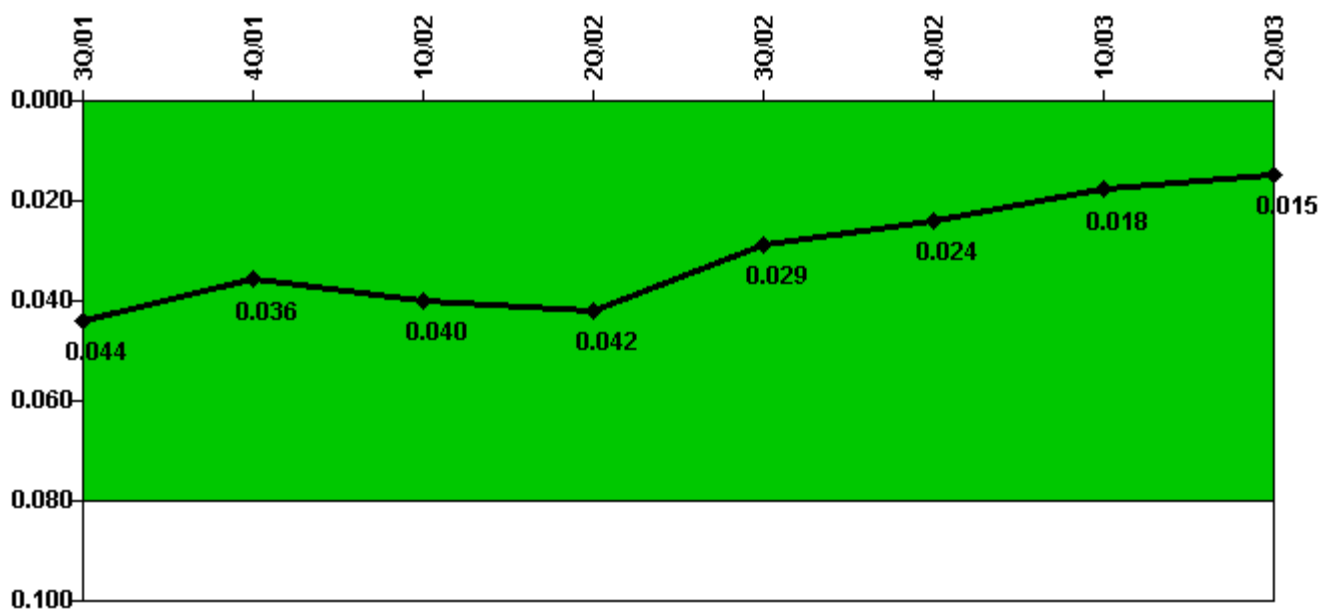
Thresholds: White > 1.0 Yellow > 3.0

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



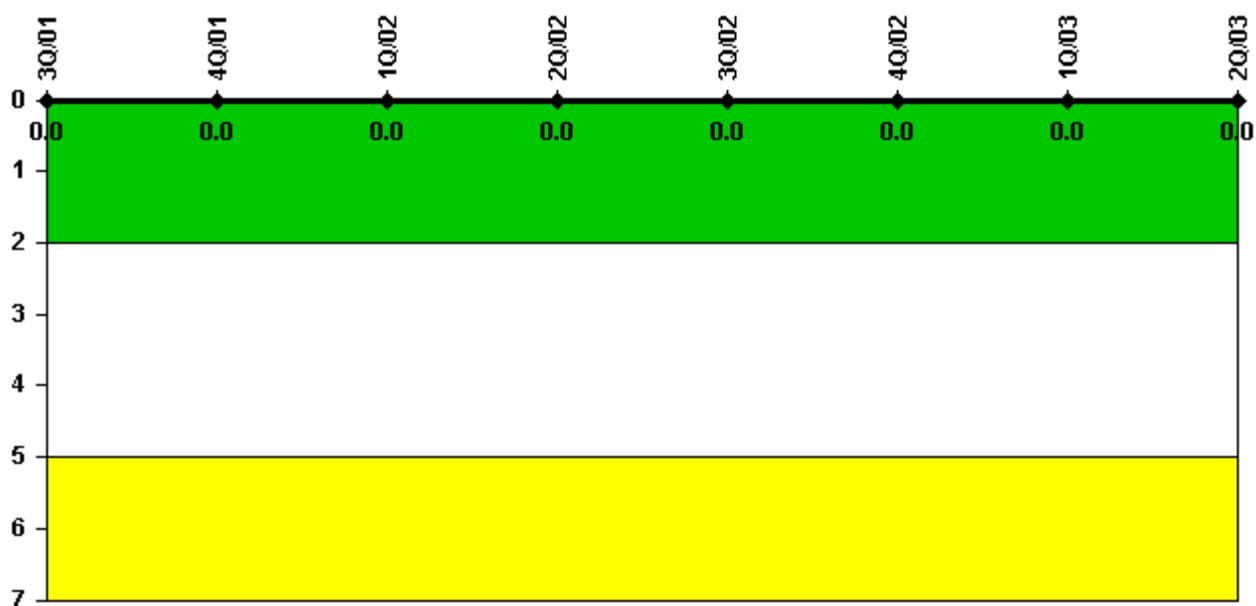
Thresholds: White > 0.080

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	289.60	105.70	149.40	219.40	18.50	12.40	49.50	165.70
CCTV compensatory hours	14.3	0	17.3	12.7	26.9	4.4	5.2	1.0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.044	0.036	0.040	0.042	0.029	0.024	0.018	0.015

Licensee Comments: none

Personnel Screening Program



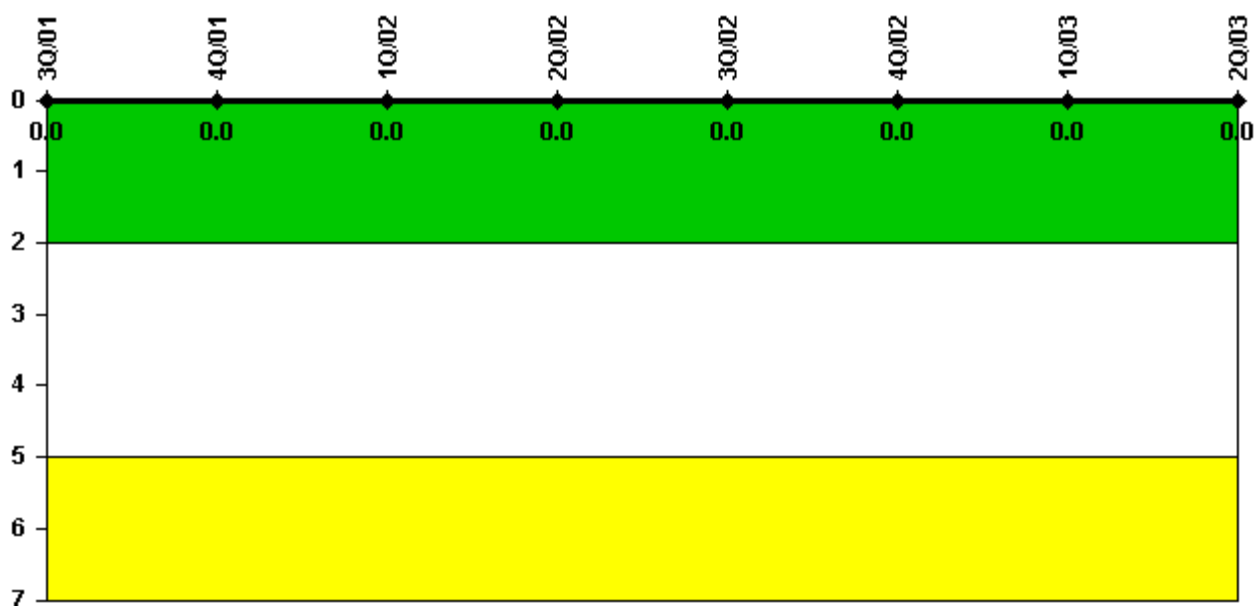
Thresholds: White > 2.0 Yellow > 5.0

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](#)

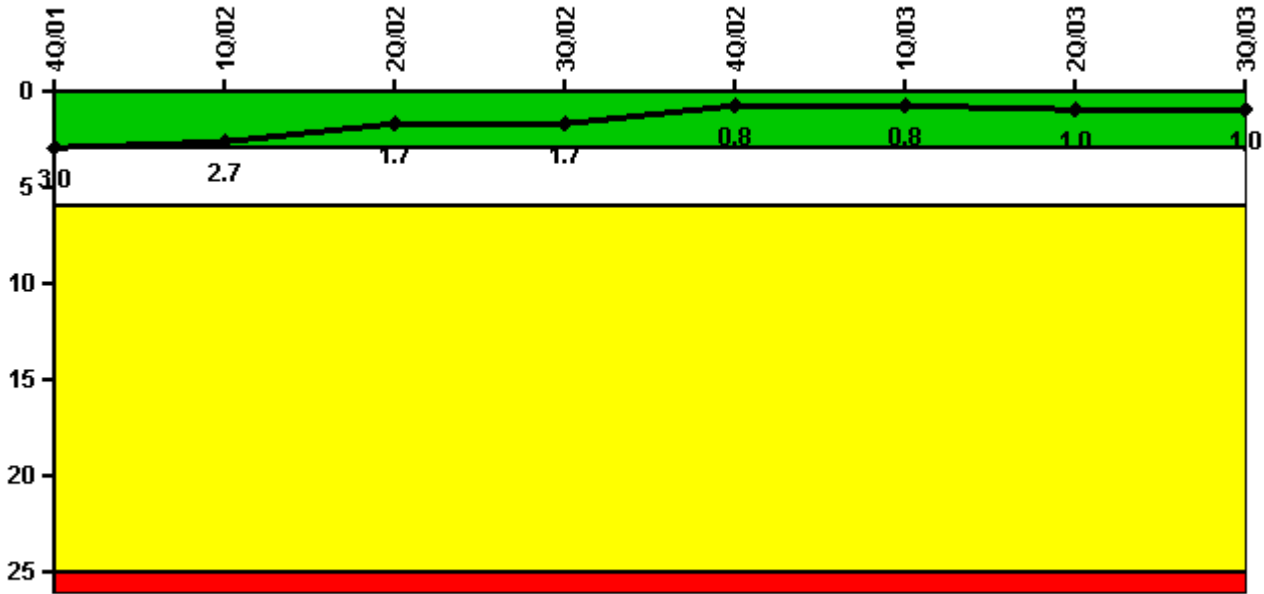
Last Modified: July 22, 2003

Perry 1

3Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



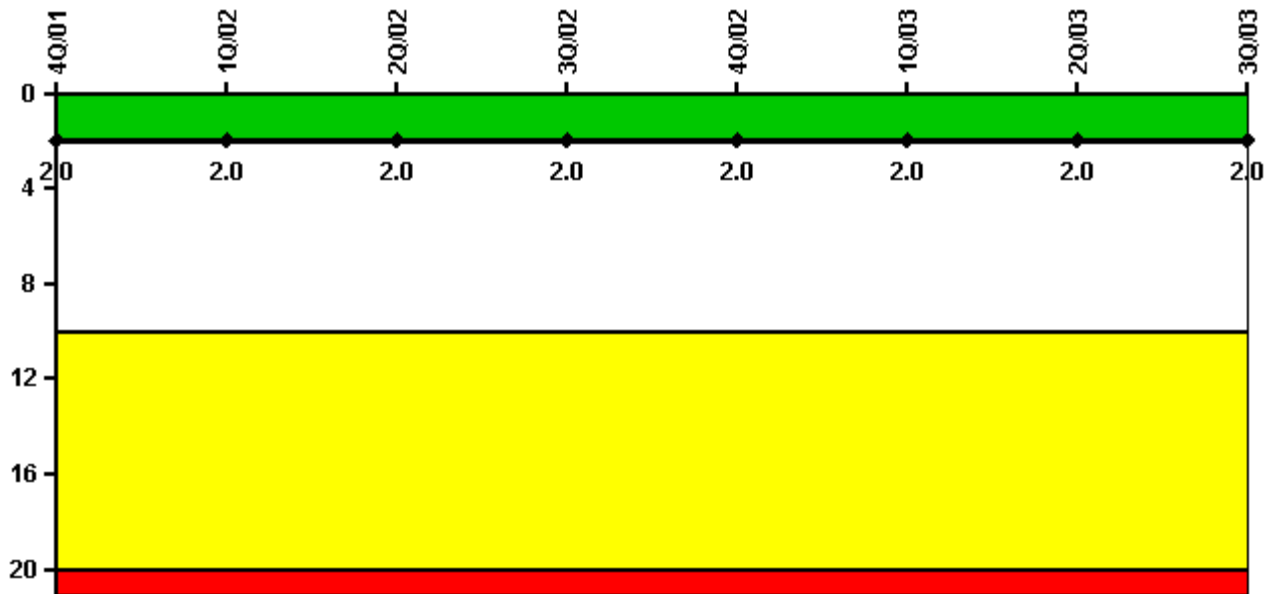
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	1.0	0	0	0	1.0
Critical hours	2156.2	2160.0	2026.0	1993.7	2138.6	2160.0	900.6	2071.6
Indicator value	3.0	2.7	1.7	1.7	0.8	0.8	1.0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



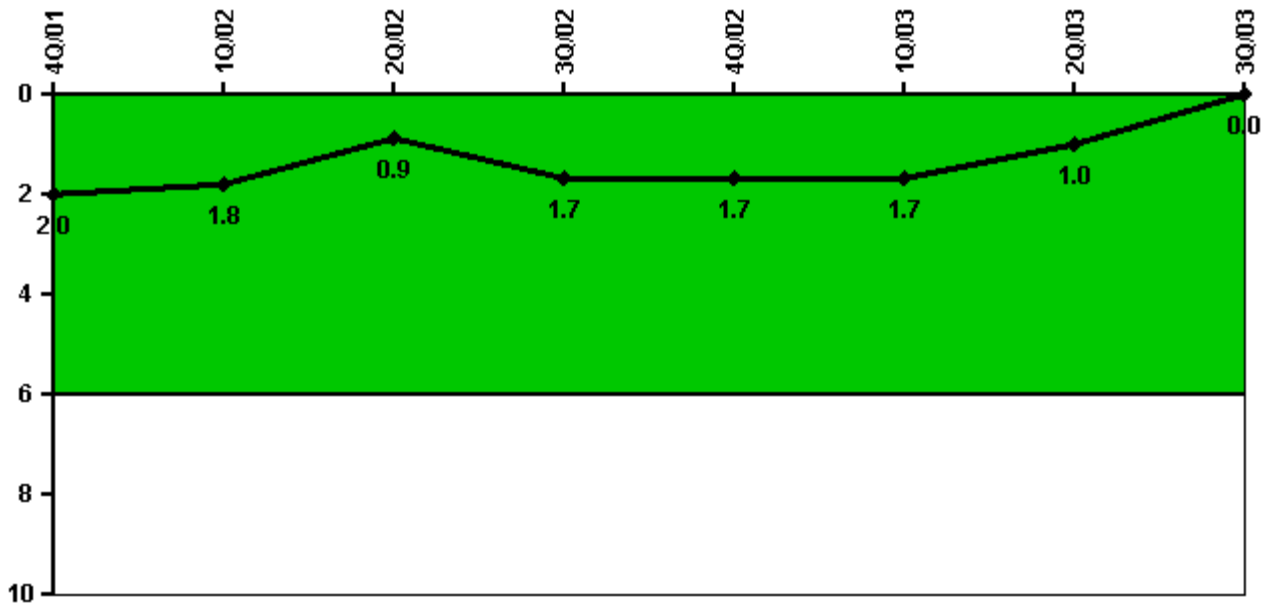
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



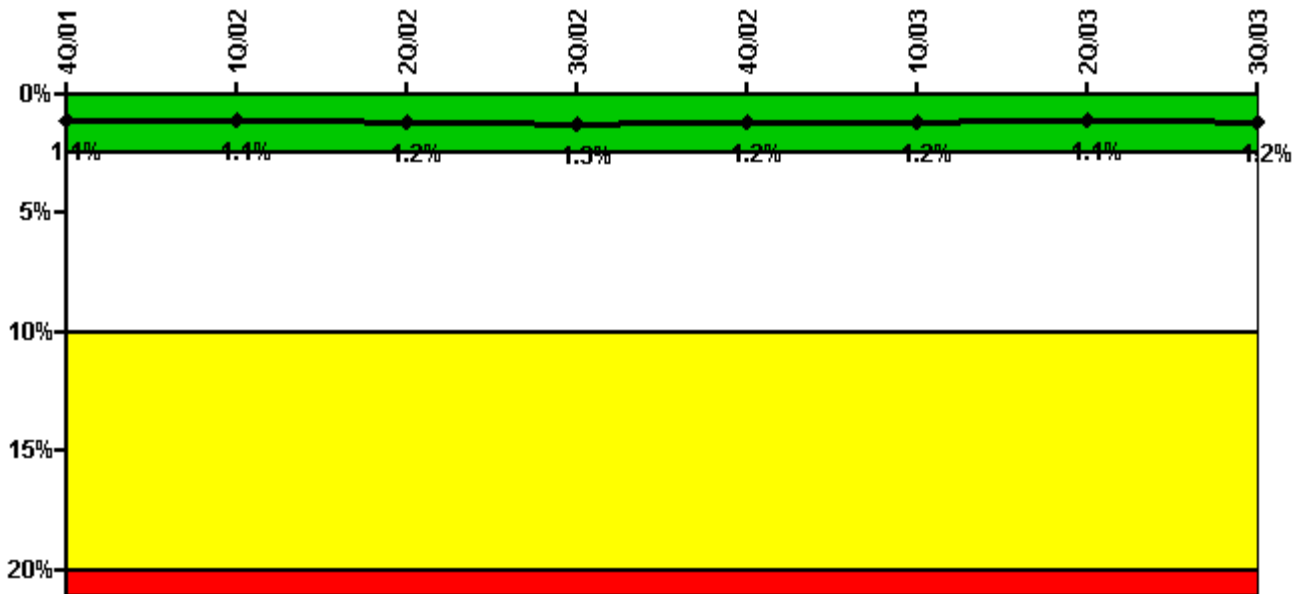
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	0	1.0	1.0	0	0	0	0
Critical hours	2156.2	2160.0	2026.0	1993.7	2138.6	2160.0	900.6	2071.6
Indicator value	2.0	1.8	0.9	1.7	1.7	1.7	1.0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



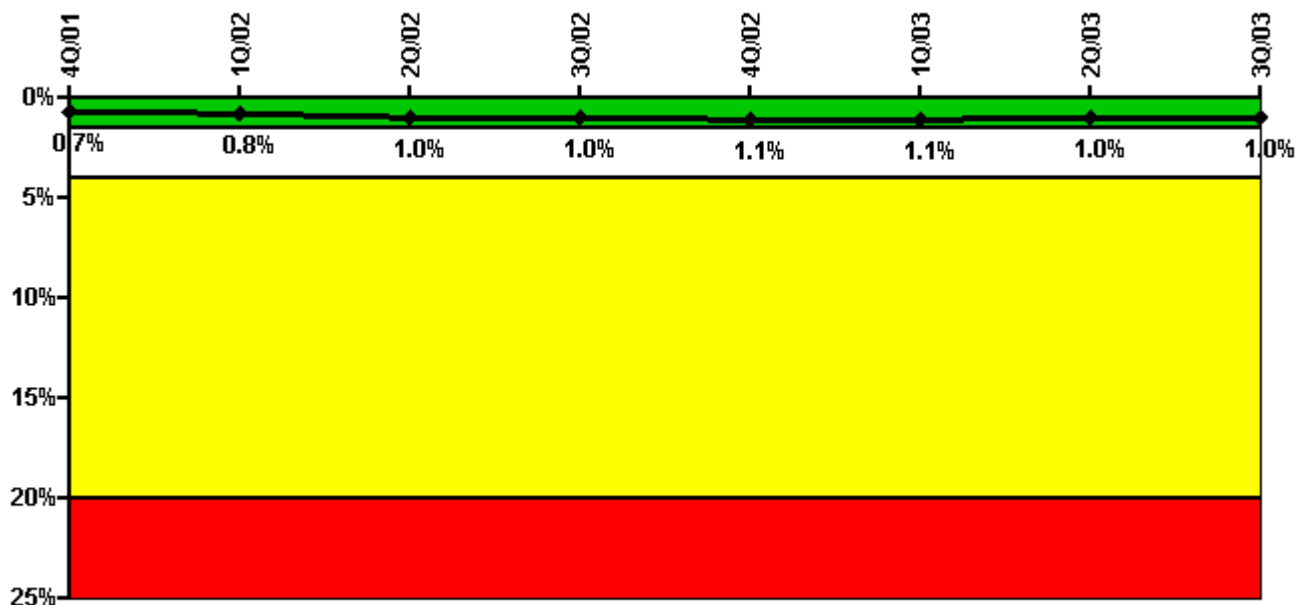
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	15.95	25.00	58.03	5.80	5.05	23.02	2.47	6.71
Unplanned unavailable hours	0	0	0	0	0	0	0	96.17
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	64.51	6.74	20.78	4.69	23.47	6.13	3.84	38.04
Unplanned unavailable hours	0	0	0	65.71	45.82	0.17	0	44.07
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	2.15	1.44	1.26	1.55	12.30	30.38	3.65	2.77
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	1.1%	1.1%	1.2%	1.3%	1.2%	1.2%	1.1%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



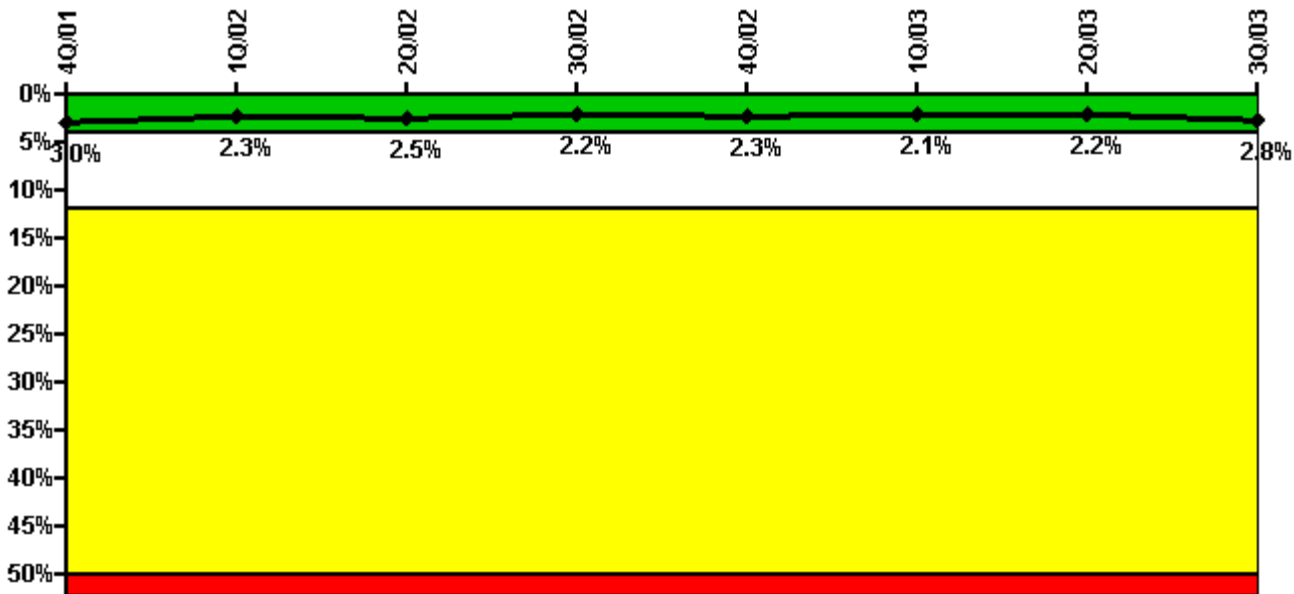
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	1.22	45.10	97.85	4.12	1.20	16.83	2.22	3.45
Unplanned unavailable hours	0	0	0	0	7.73	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	2156.20	2160.00	2026.00	1993.68	2138.60	2160.00	900.60	2071.60
Indicator value	0.7%	0.8%	1.0%	1.0%	1.1%	1.1%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



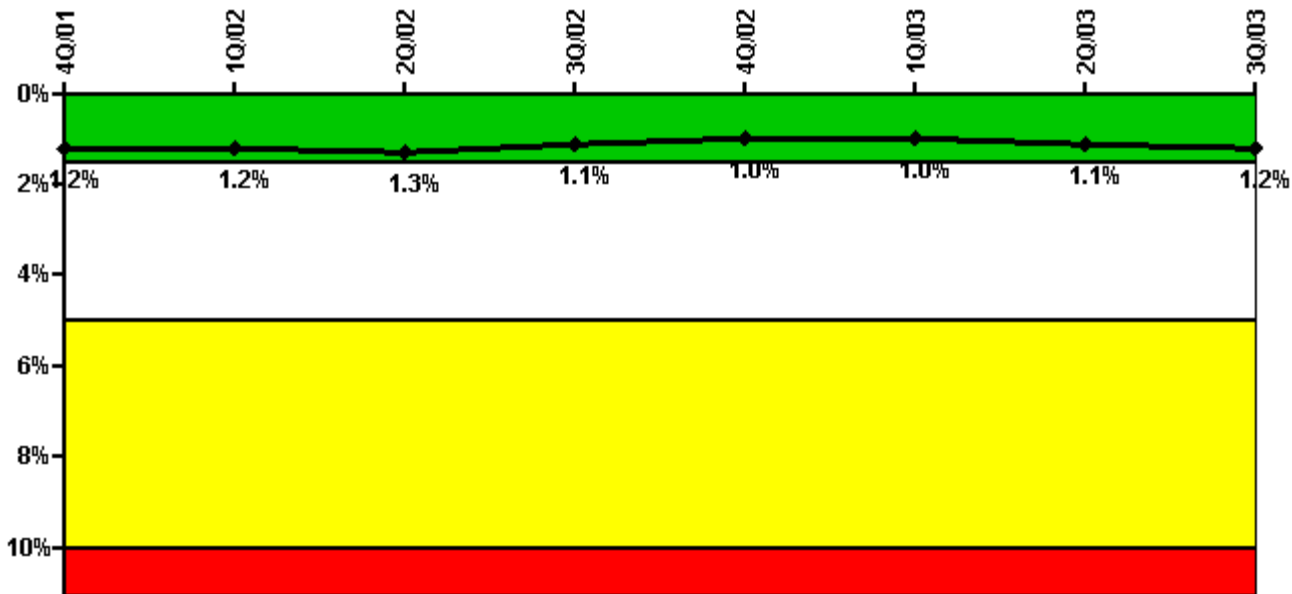
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	3.35	114.70	68.58	3.20	19.29	33.05	34.05	60.61
Unplanned unavailable hours	0	0	0	0	0	0	0	119.05
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2156.20	2160.00	2026.00	1993.68	2138.60	2160.00	900.60	2071.60
Indicator value	3.0%	2.3%	2.5%	2.2%	2.3%	2.1%	2.2%	2.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



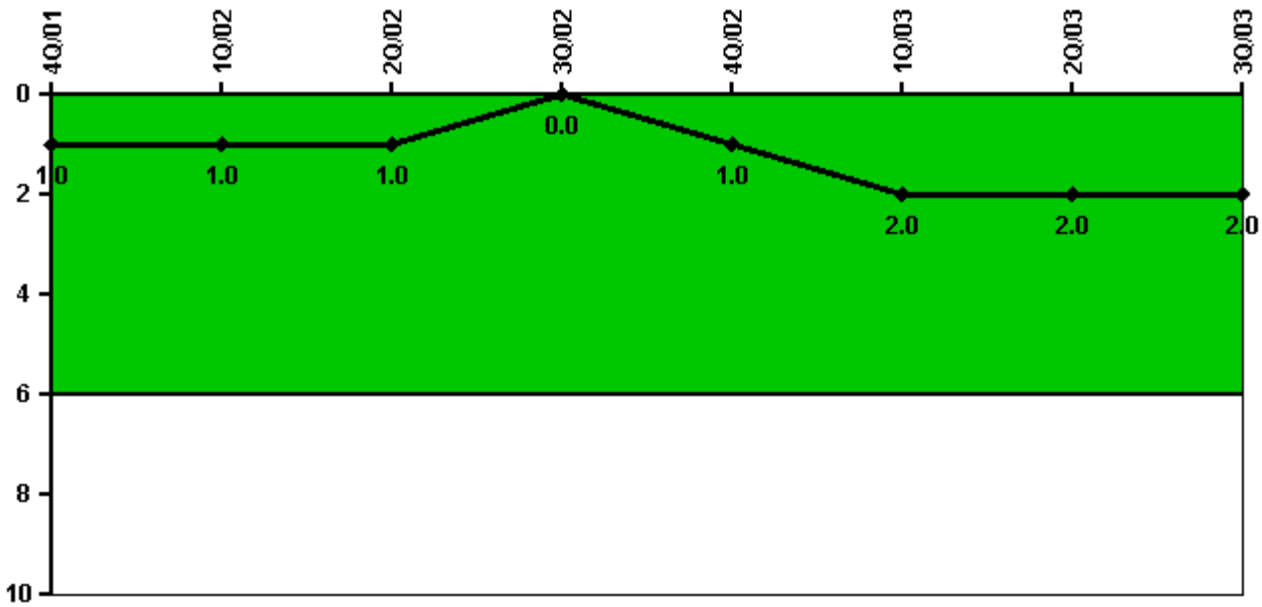
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	9.63	1.38	77.22	3.24	0	37.72	30.08	5.98
Unplanned unavailable hours	0	0	0	17.63	0	0	0	116.59
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	41.42	0	0	0.55	75.35	3.59	0.43	32.21
Unplanned unavailable hours	0	0	0	0	0	0.17	0	0.07
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	1.2%	1.2%	1.3%	1.1%	1.0%	1.0%	1.1%	1.2%

Licensee Comments: none

Safety System Functional Failures (BWR)



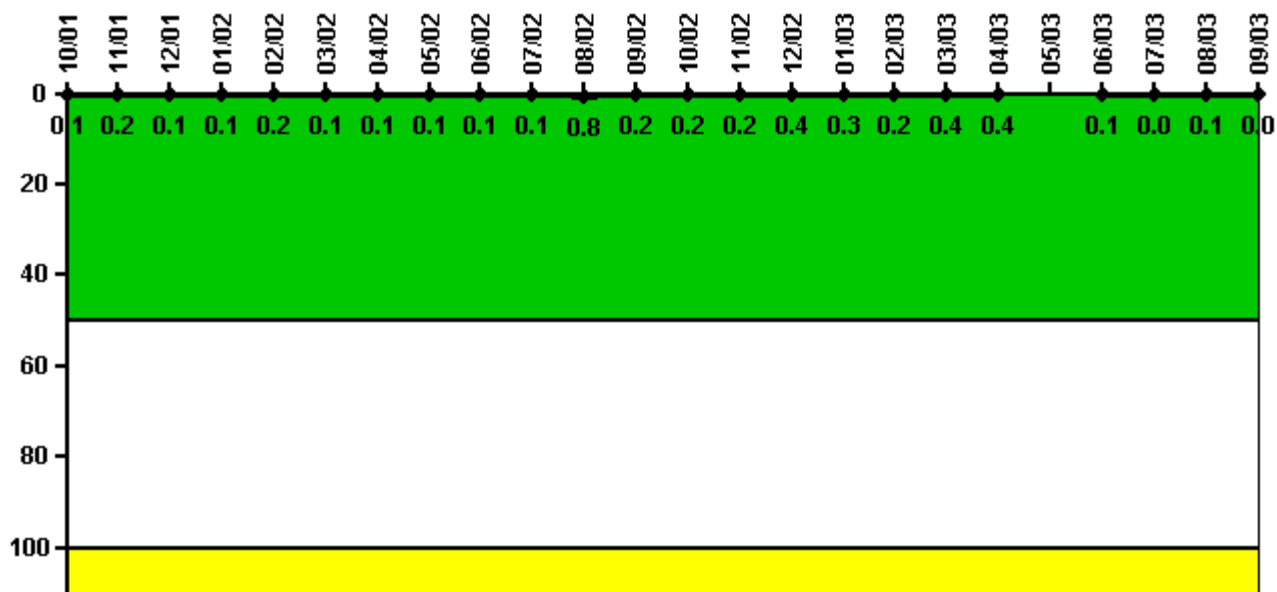
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

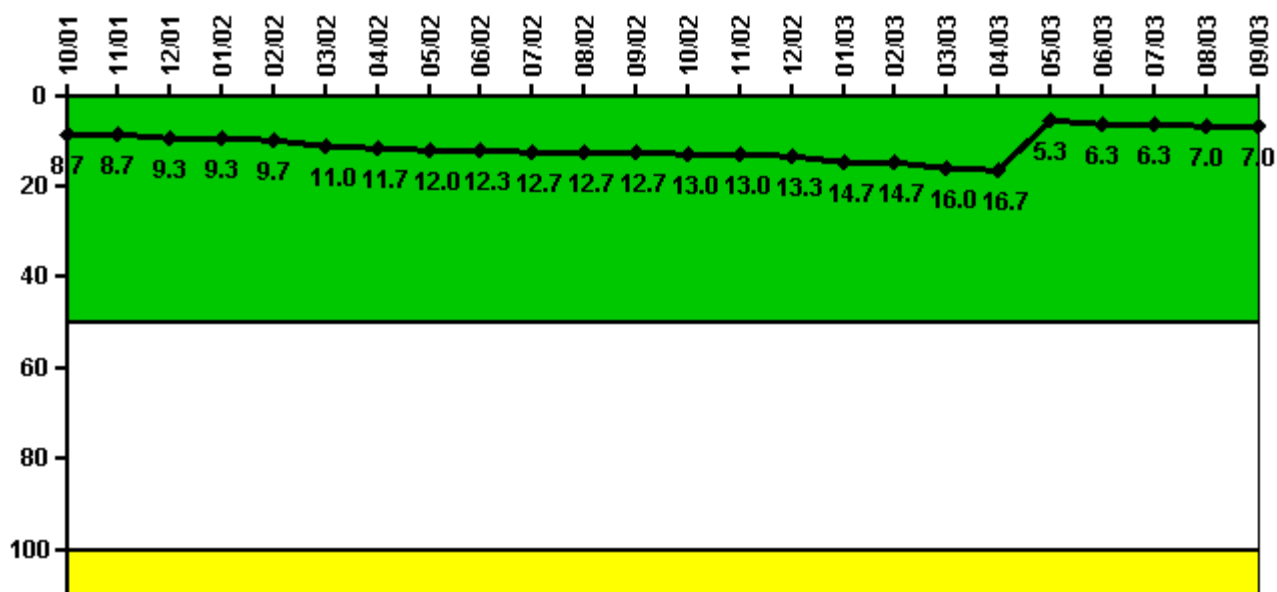
Notes

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	0.000173	0.000311	0.000217	0.000285	0.000315	0.000214	0.000218	0.000241	0.000155	0.000158	0.001530	0.000397
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.8	0.2

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	0.000460	0.000438	0.000823	0.000525	0.000497	0.000766	0.000734	N/A	0.000109	0.000090	0.000124	0.000067
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.4	0.3	0.2	0.4	0.4	N/A	0.1	0	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

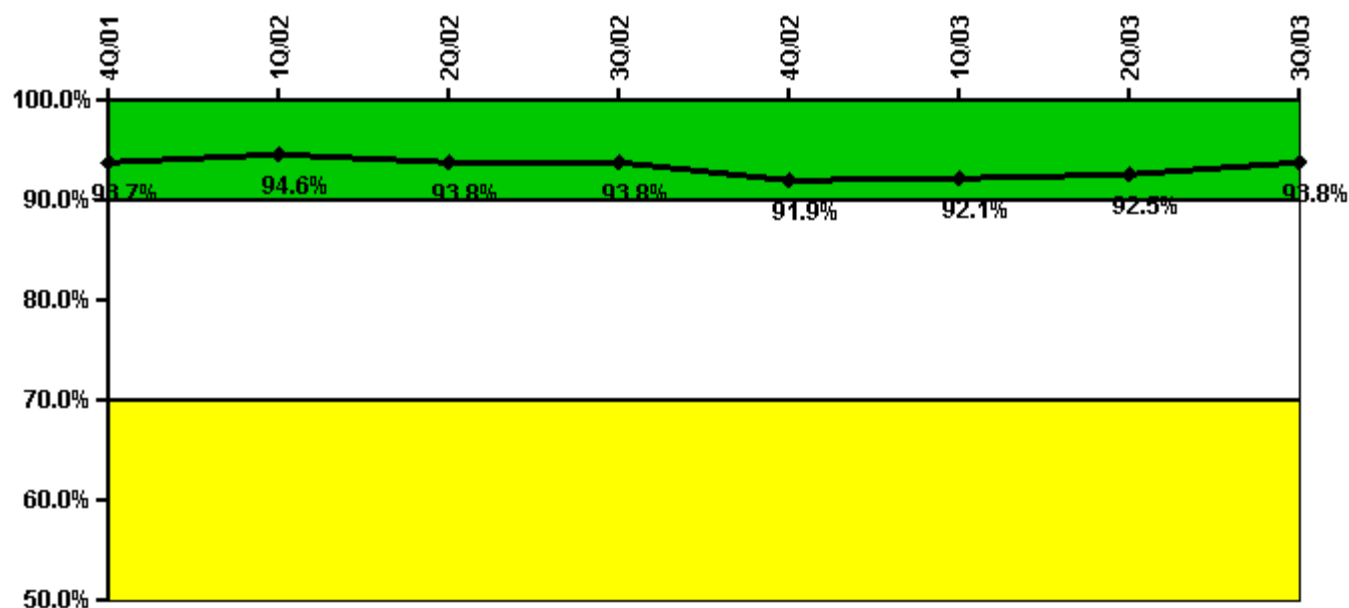
Notes

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	2.600	2.600	2.800	2.800	2.900	3.300	3.500	3.600	3.700	3.800	3.800	3.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.7	8.7	9.3	9.3	9.7	11.0	11.7	12.0	12.3	12.7	12.7	12.7

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	3.900	3.900	4.000	4.400	4.400	4.800	5.000	1.600	1.900	1.900	2.100	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	13.0	13.0	13.3	14.7	14.7	16.0	16.7	5.3	6.3	6.3	7.0	7.0

Licensee Comments: none

Drill/Exercise Performance



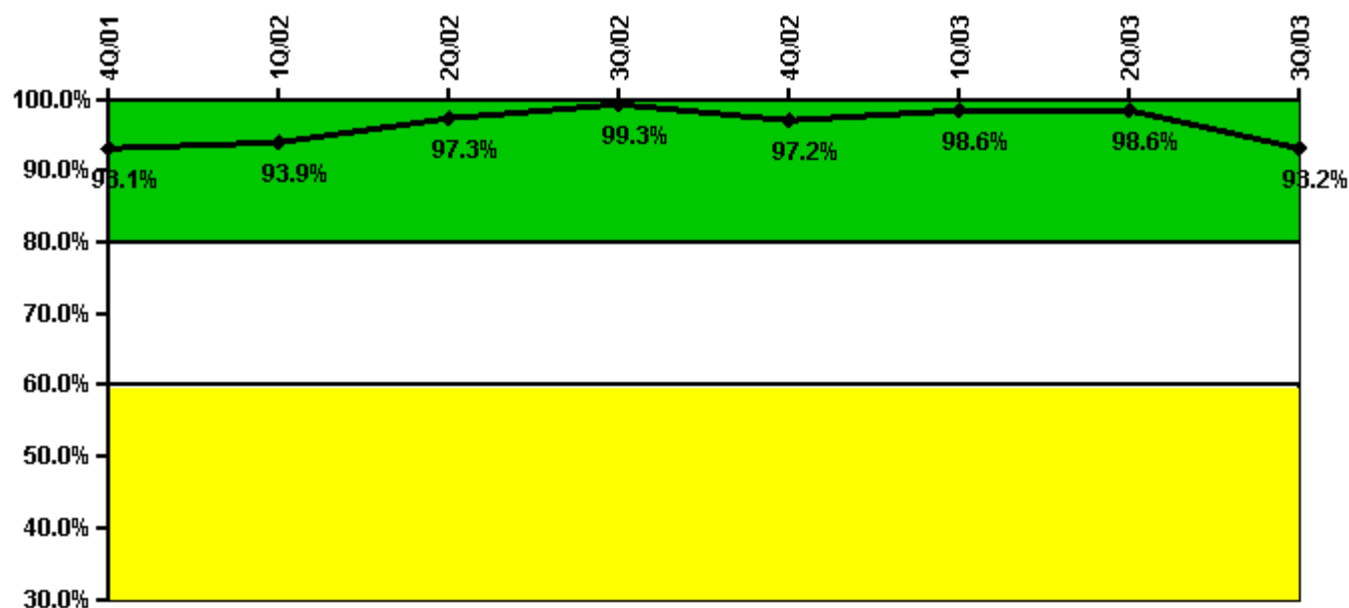
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	26.0	20.0	39.0	16.0	21.0	17.0	10.0	2.0
Total opportunities	26.0	20.0	42.0	18.0	24.0	18.0	11.0	2.0
Indicator value	93.7%	94.6%	93.8%	93.8%	91.9%	92.1%	92.5%	93.8%

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	135.0	139.0	144.0	144.0	140.0	144.0	137.0	137.0
Total Key personnel	145.0	148.0	148.0	145.0	144.0	146.0	139.0	147.0
Indicator value	93.1%	93.9%	97.3%	99.3%	97.2%	98.6%	98.6%	93.2%

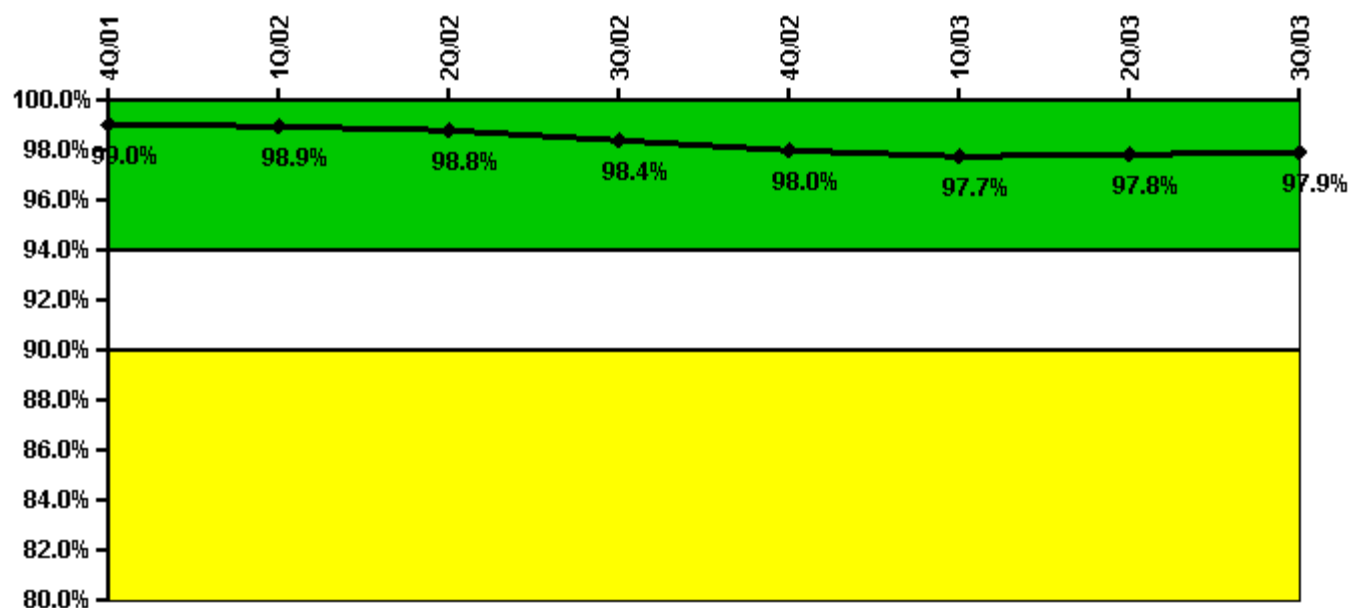
Licensee Comments:

3Q/03: 10/2003: Data revised for quarters 2002Q4 and 2003Q2 as a result of an analysis error. In both cases, the key personnel and the number of participating personnel totals increased. These changes do not affect the indicator color.

2Q/03: 10/2003: Data revised as a result of an analysis error. See comment for 2003Q3.

4Q/02: 10/2003: Data revised as a result of an analysis error. See comment for 2003Q3.

Alert & Notification System



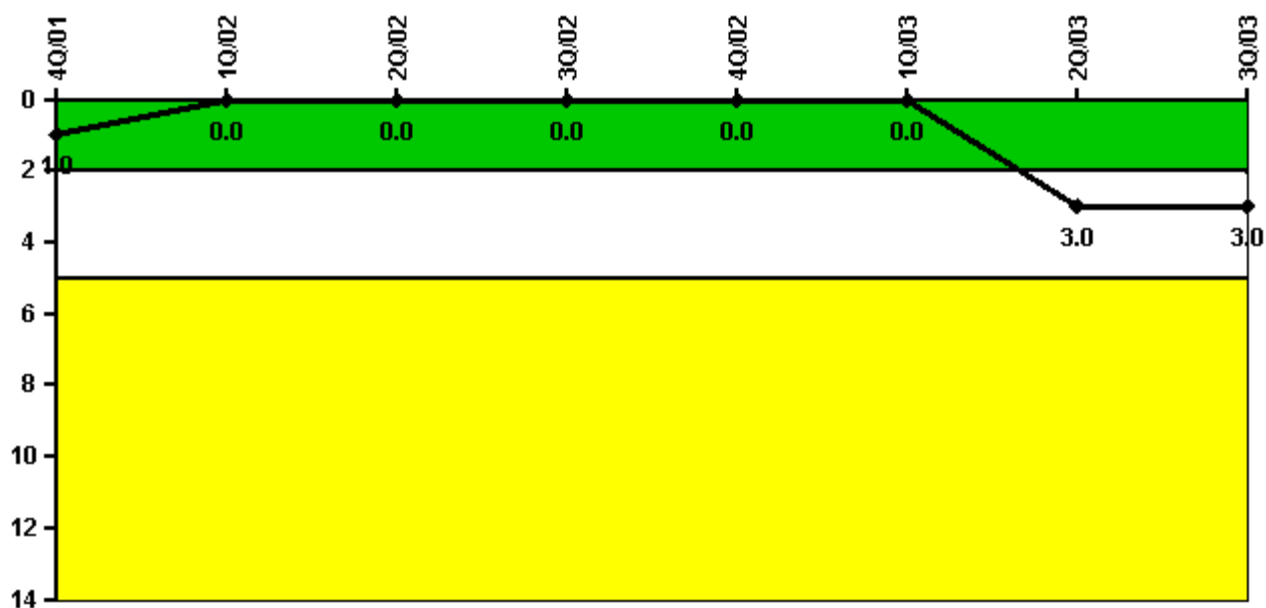
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	527	526	519	596	445	594	520	525
Total sirens-tests	532	532	532	608	456	608	532	532
Indicator value	99.0%	98.9%	98.8%	98.4%	98.0%	97.7%	97.8%	97.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

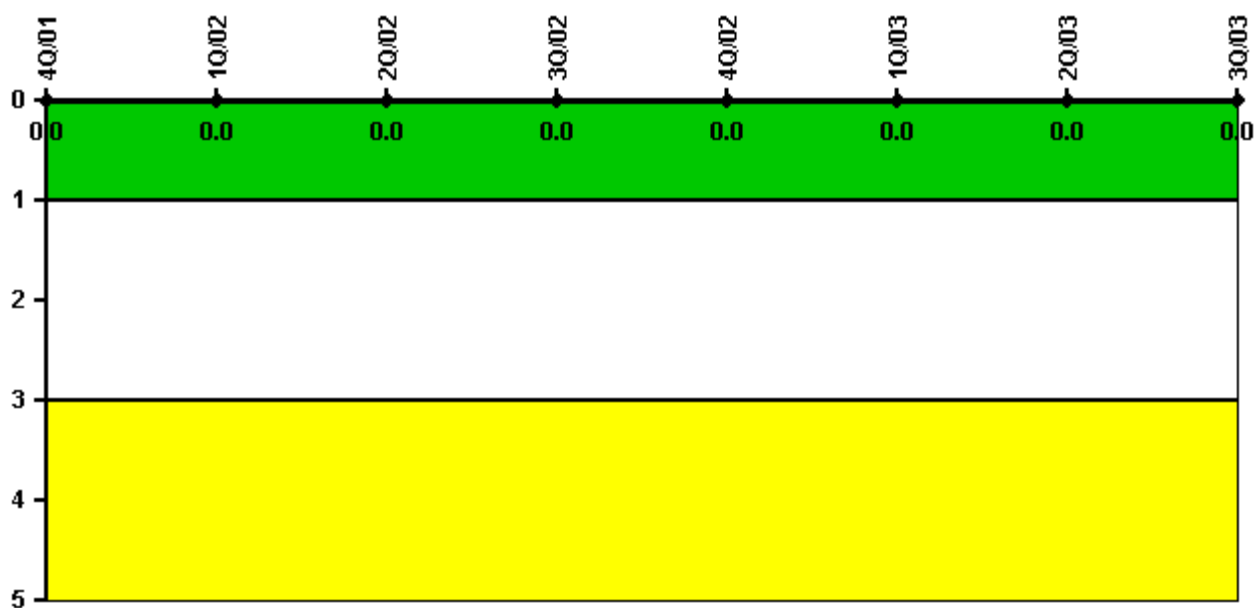


Thresholds: White > 2.0 Yellow > 5.0

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	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	2	0
Indicator value	1	0	0	0	0	0	3	3

Licensee Comments: none

RETS/ODCM Radiological Effluent

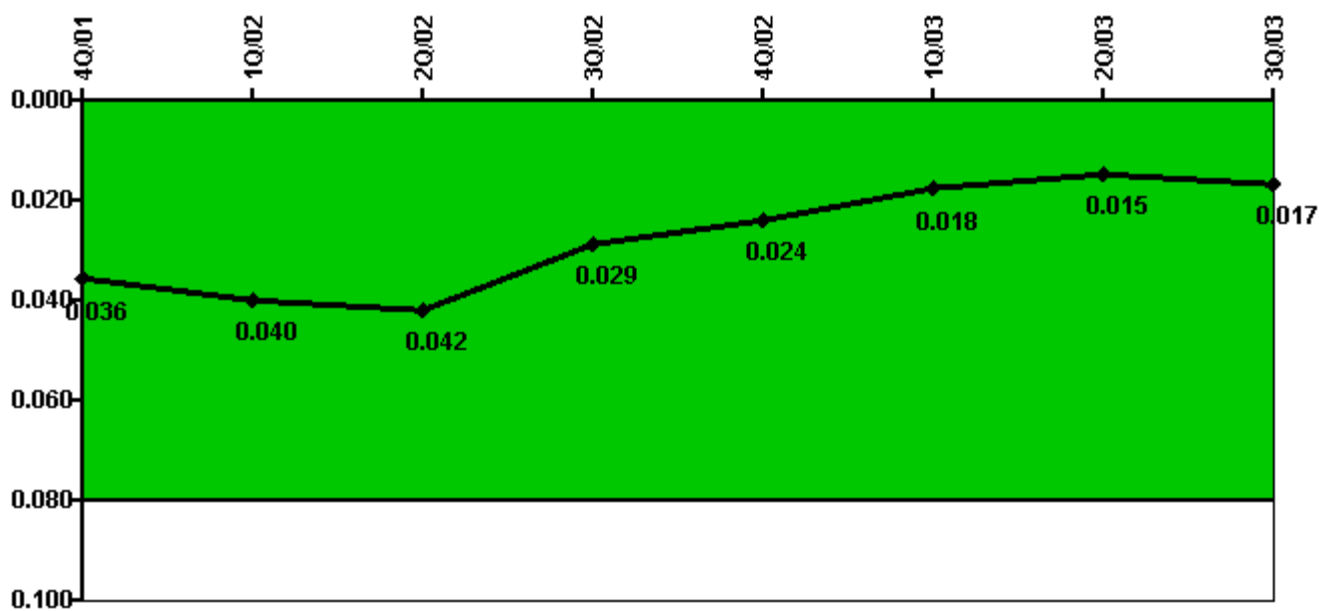
Thresholds: White > 1.0 Yellow > 3.0

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



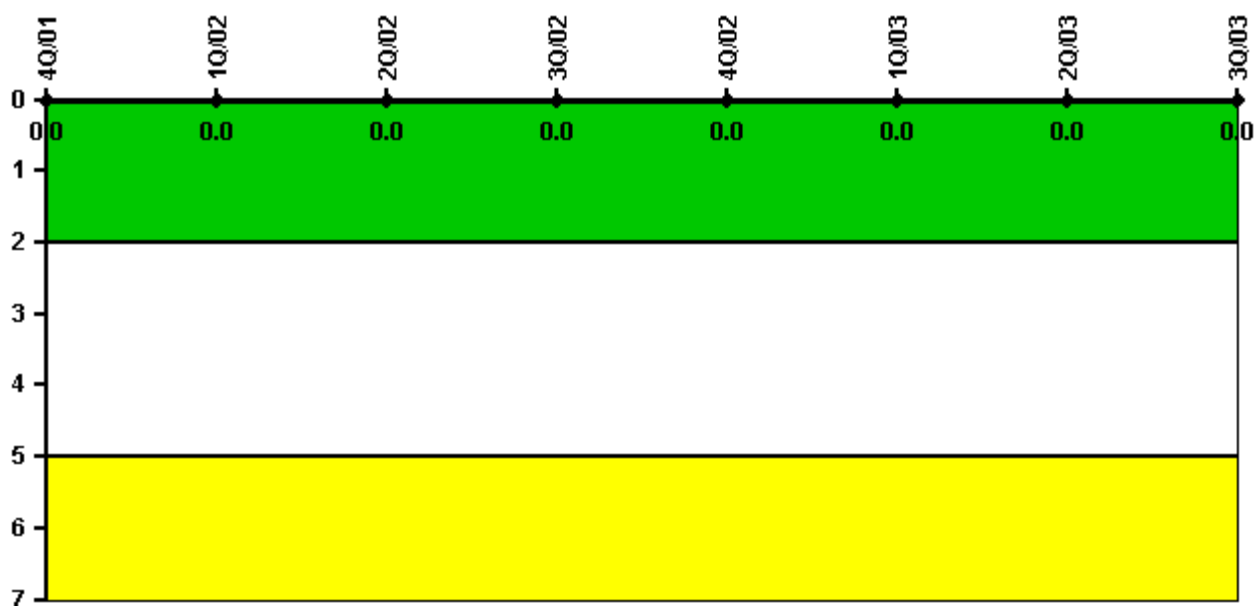
Thresholds: White > 0.080

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	105.70	149.40	219.40	18.50	12.40	49.50	165.70	64.60
CCTV compensatory hours	0	17.3	12.7	26.9	4.4	5.2	1.0	18.8
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.036	0.040	0.042	0.029	0.024	0.018	0.015	0.017

Licensee Comments: none

Personnel Screening Program



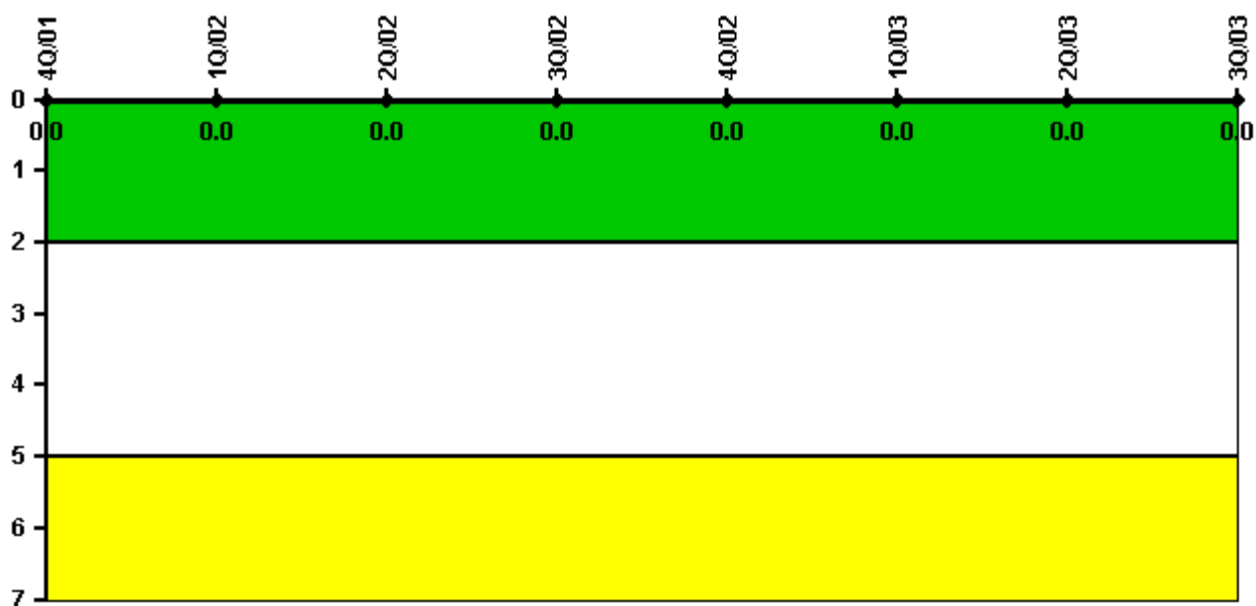
Thresholds: White > 2.0 Yellow > 5.0

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](#)

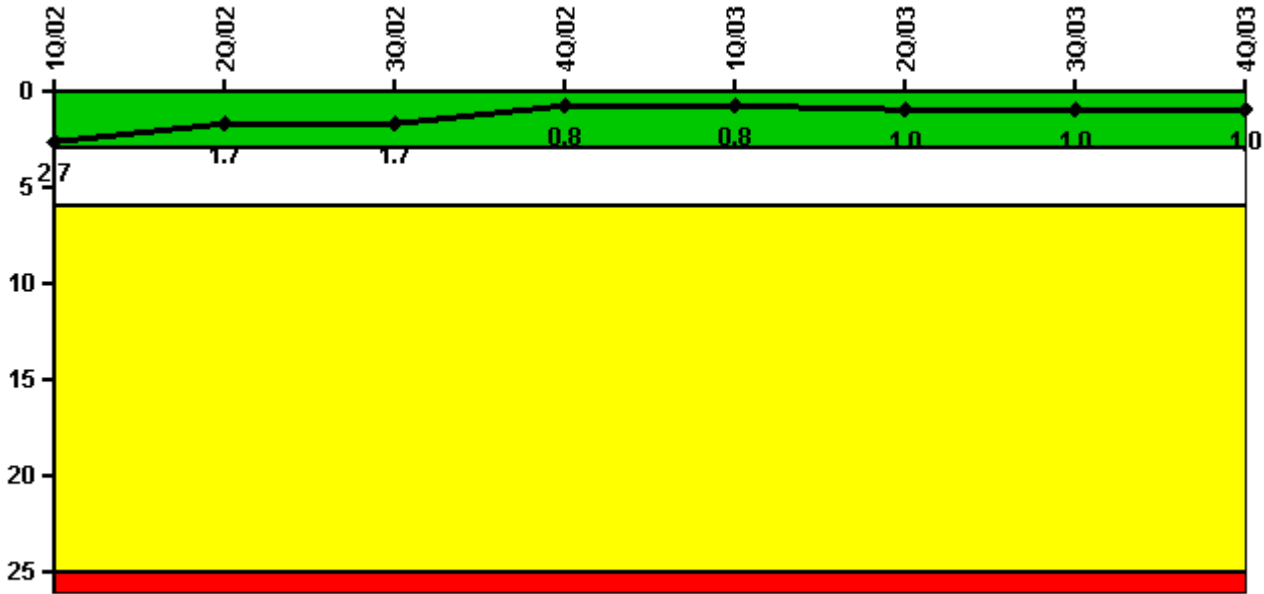
Last Modified: October 22, 2003

Perry 1

4Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



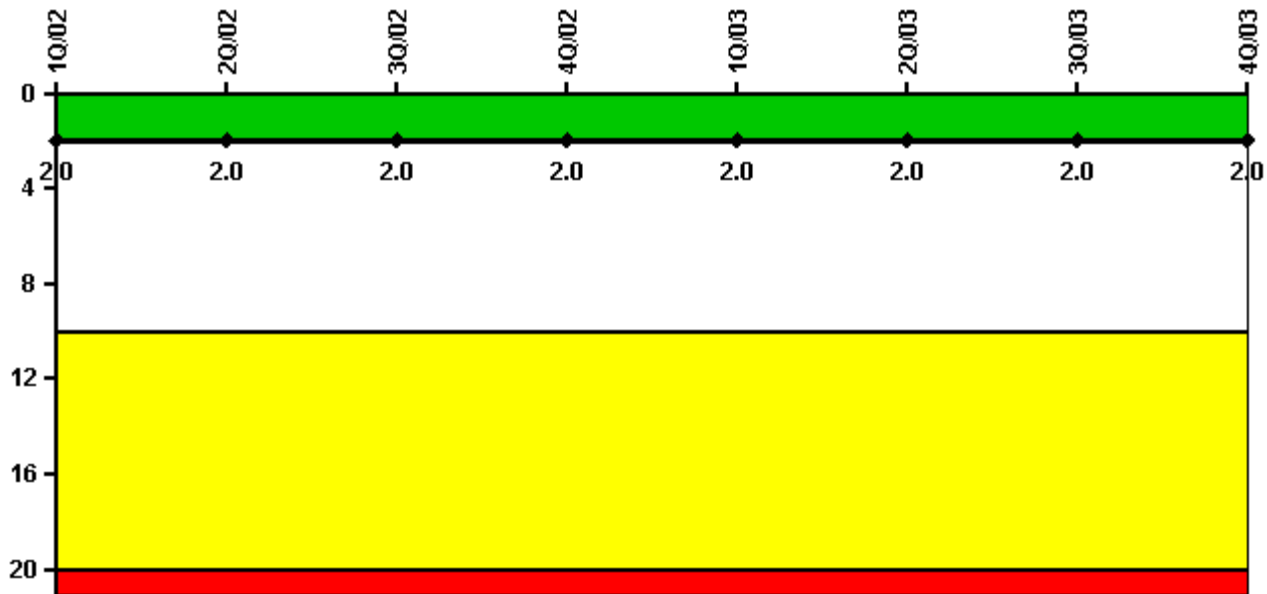
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	1.0	0	0	0	1.0	0
Critical hours	2160.0	2026.0	1993.7	2138.6	2160.0	900.6	2071.6	2209.0
Indicator value	2.7	1.7	1.7	0.8	0.8	1.0	1.0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



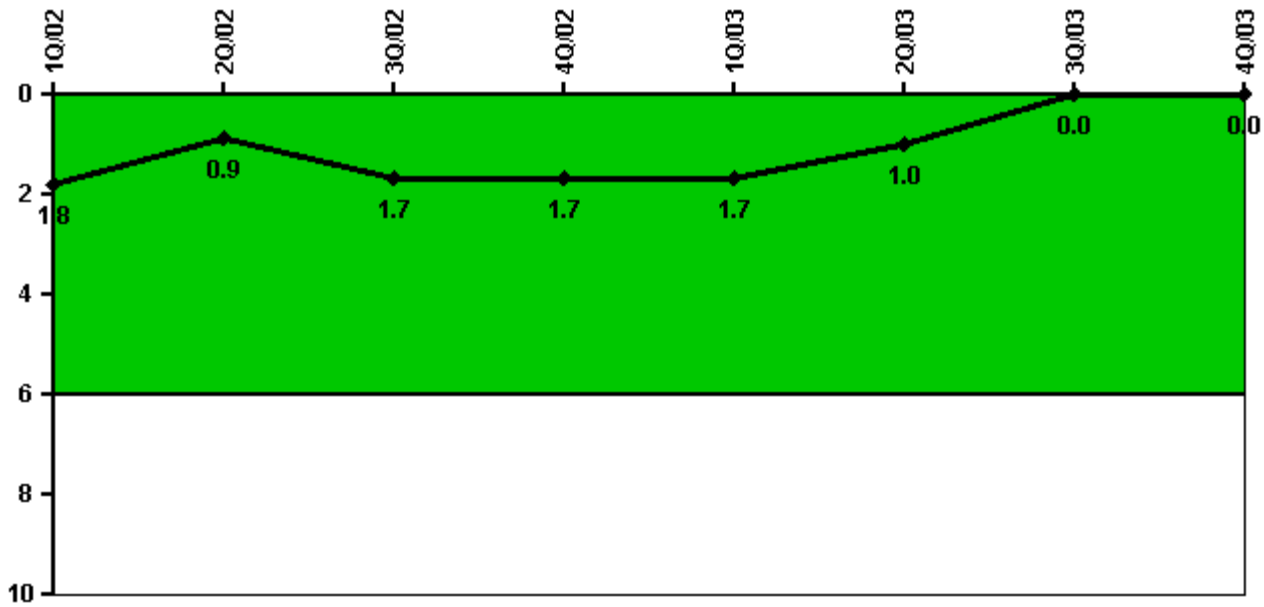
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



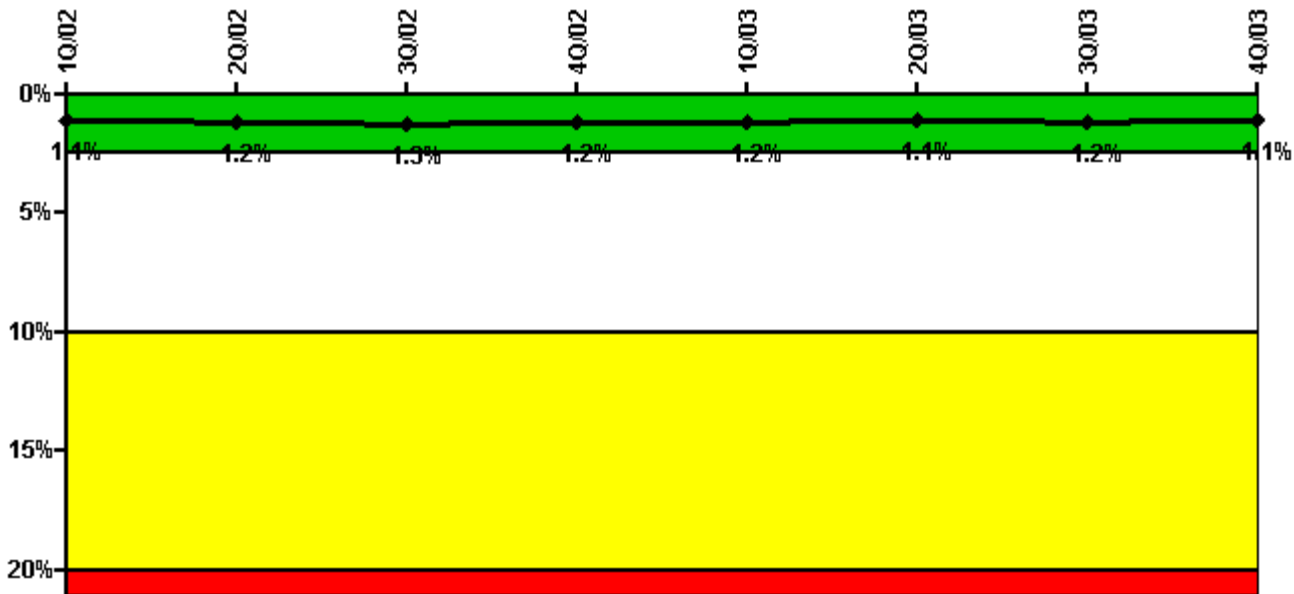
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	0	1.0	1.0	0	0	0	0	0
Critical hours	2160.0	2026.0	1993.7	2138.6	2160.0	900.6	2071.6	2209.0
Indicator value	1.8	0.9	1.7	1.7	1.7	1.0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



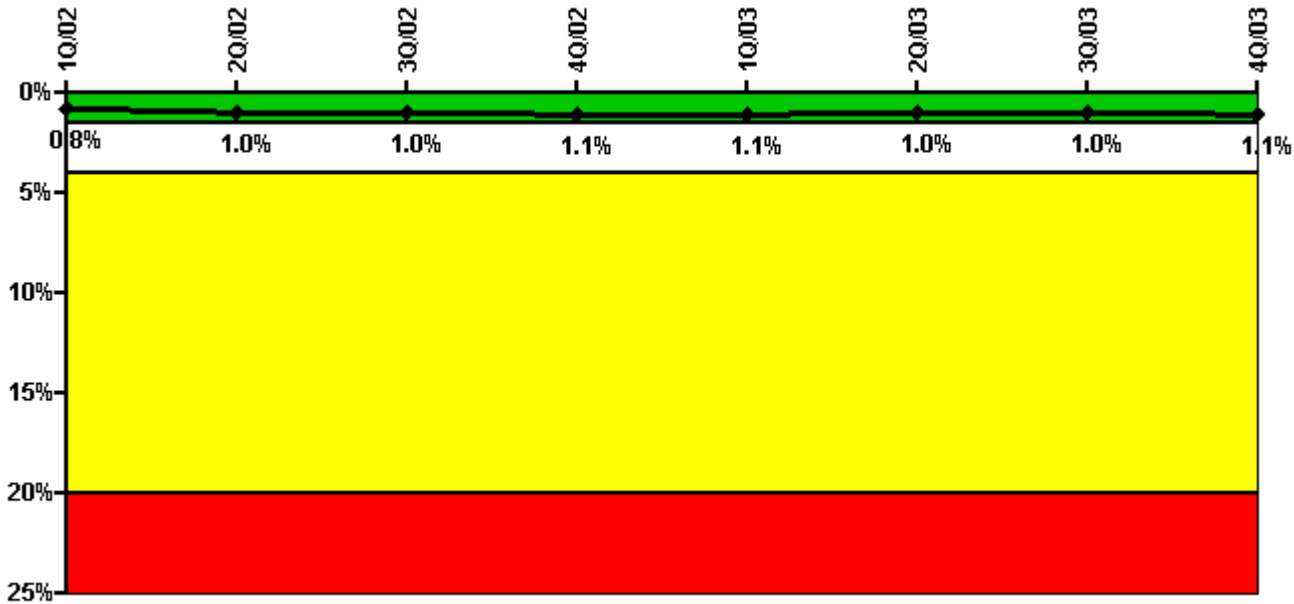
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	25.00	58.03	5.80	5.05	23.02	2.47	6.71	36.21
Unplanned unavailable hours	0	0	0	0	0	0	96.17	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	6.74	20.78	4.69	23.47	6.13	3.84	38.04	9.98
Unplanned unavailable hours	0	0	65.71	45.82	0.17	0	44.07	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	1.44	1.26	1.55	12.30	30.38	3.65	2.77	29.87
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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.1%	1.2%	1.3%	1.2%	1.2%	1.1%	1.2%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



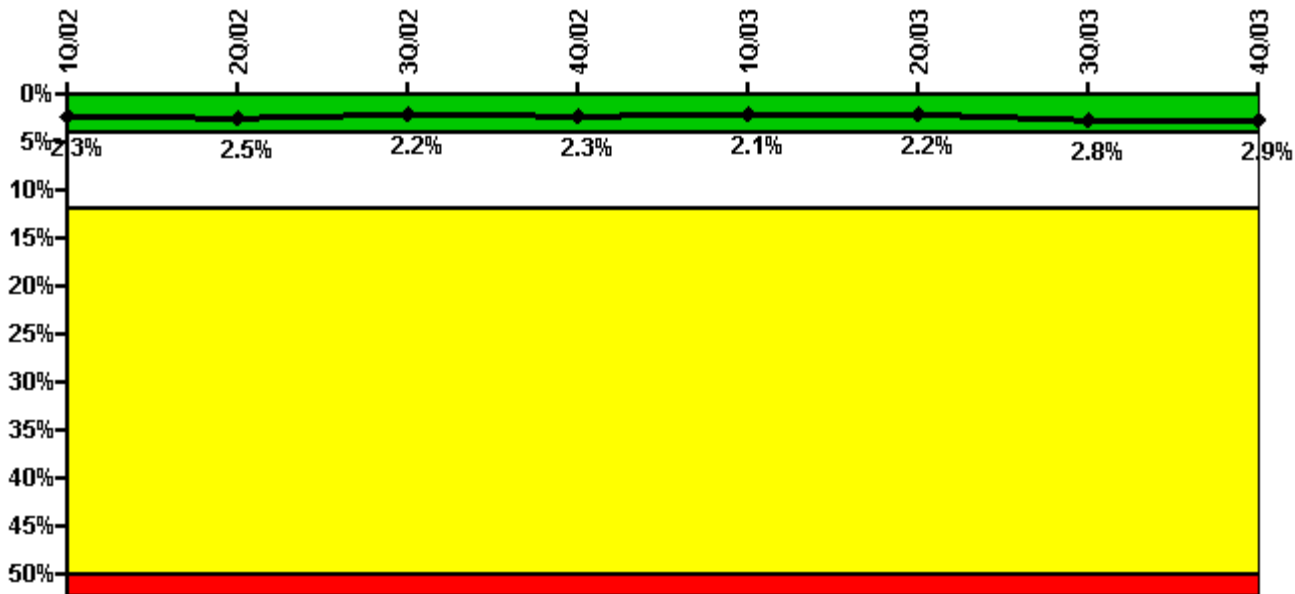
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	45.10	97.85	4.12	1.20	16.83	2.22	3.45	25.14
Unplanned unavailable hours	0	0	0	7.73	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	2026.00	1993.68	2138.60	2160.00	900.60	2071.60	2209.00
Indicator value	0.8%	1.0%	1.0%	1.1%	1.1%	1.0%	1.0%	1.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



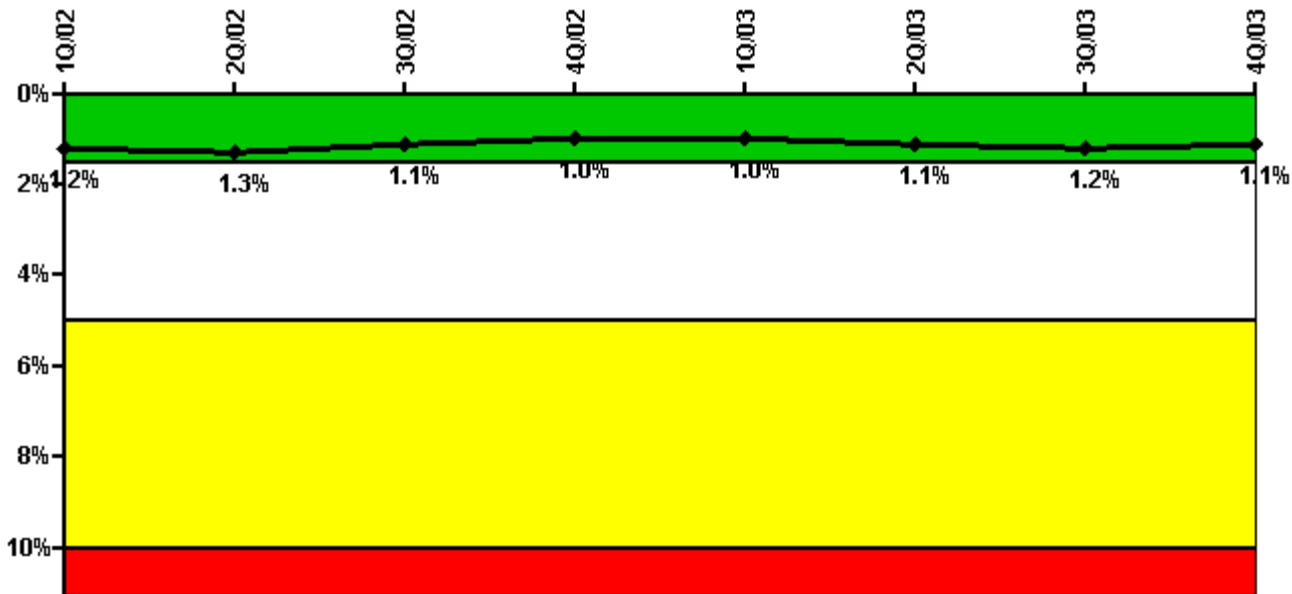
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	114.70	68.58	3.20	19.29	33.05	34.05	60.61	53.76
Unplanned unavailable hours	0	0	0	0	0	0	119.05	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	2026.00	1993.68	2138.60	2160.00	900.60	2071.60	2209.00
Indicator value	2.3%	2.5%	2.2%	2.3%	2.1%	2.2%	2.8%	2.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



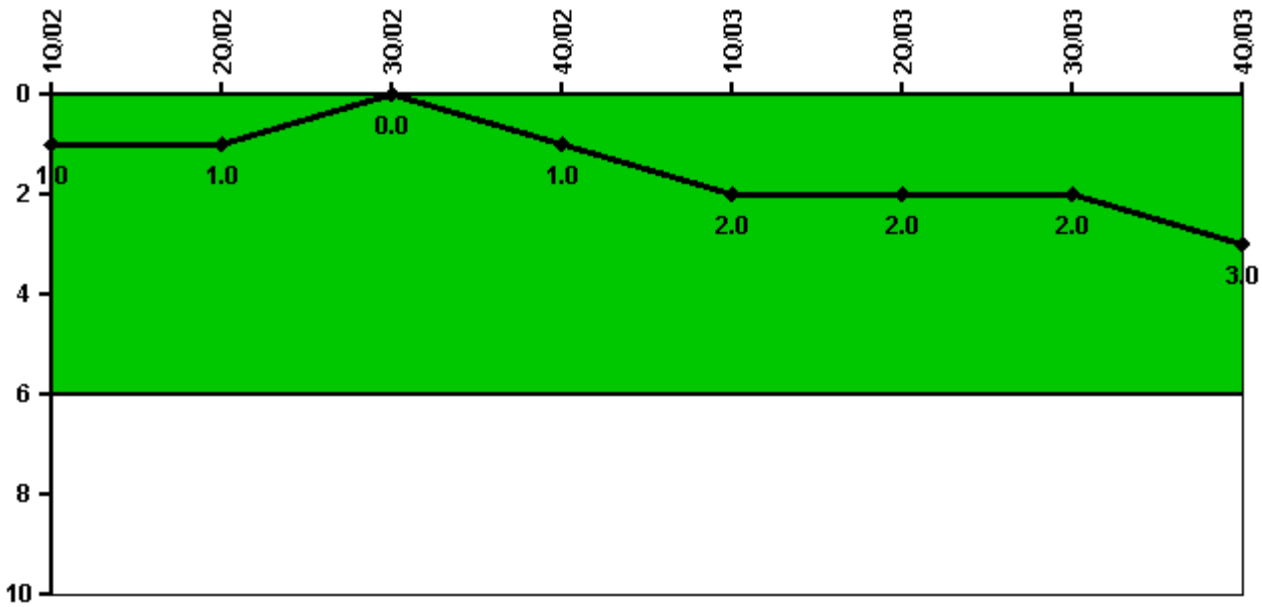
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	1.38	77.22	3.24	0	37.72	30.08	5.98	50.79
Unplanned unavailable hours	0	0	17.63	0	0	0	116.59	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	0	0.55	75.35	3.59	0.43	32.21	0.92
Unplanned unavailable hours	0	0	0	0	0.17	0	0.07	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	1.2%	1.3%	1.1%	1.0%	1.0%	1.1%	1.2%	1.1%

Licensee Comments: none

Safety System Functional Failures (BWR)



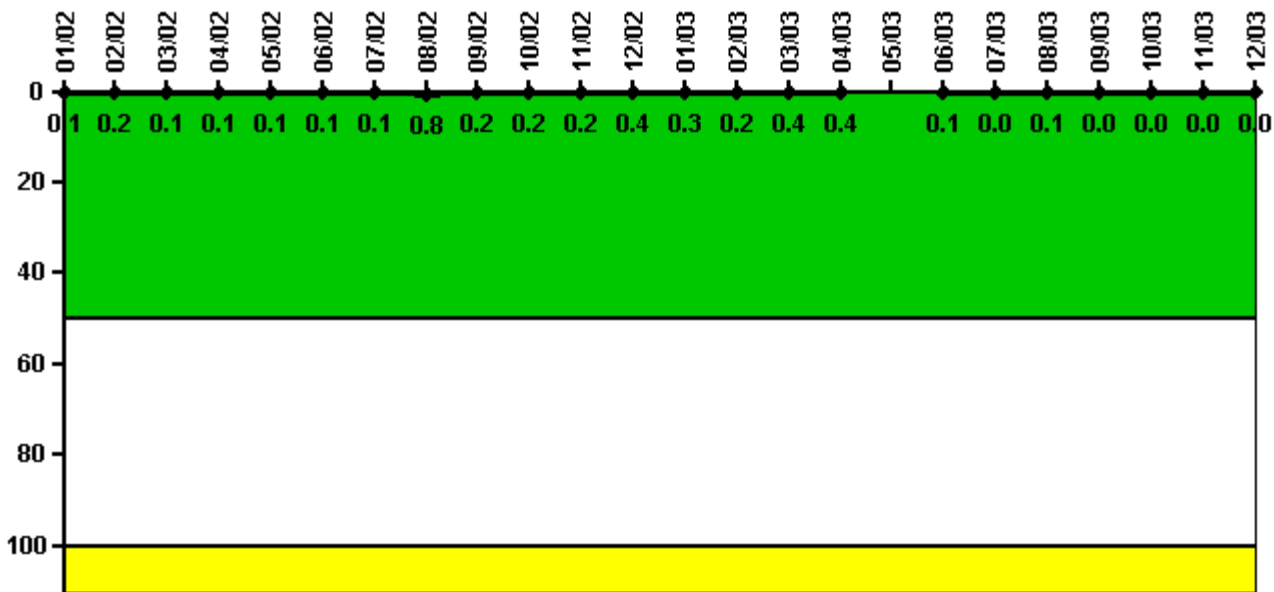
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

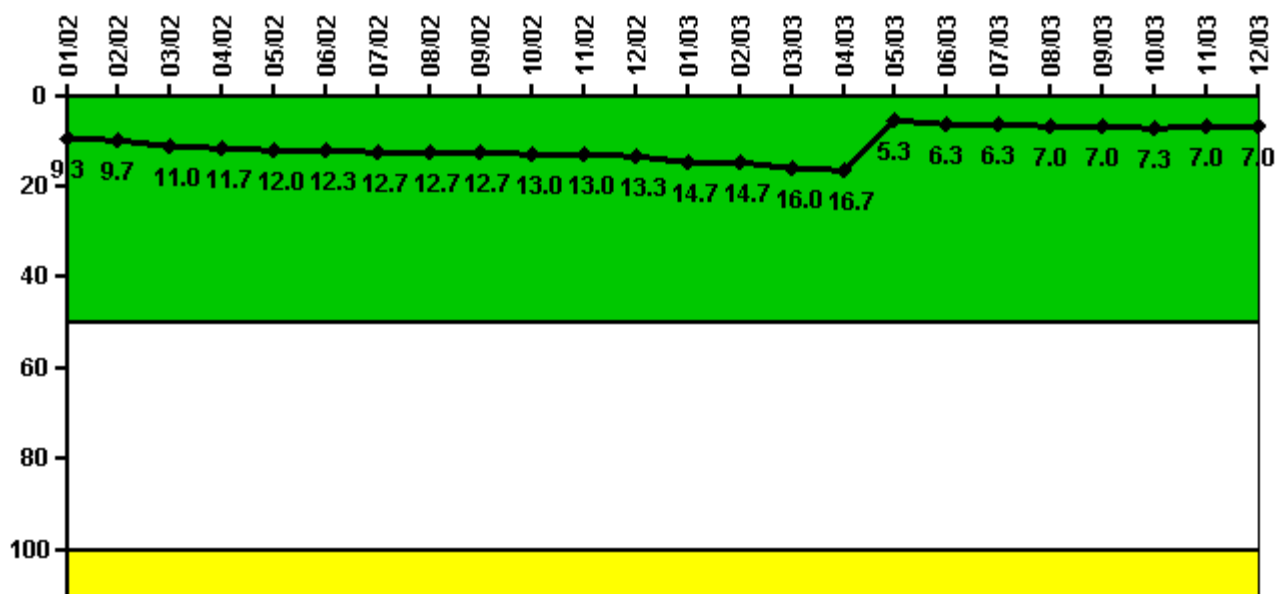
Notes

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	0.000285	0.000315	0.000214	0.000218	0.000241	0.000155	0.000158	0.001530	0.000397	0.000460	0.000438	0.000823
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.8	0.2	0.2	0.2	0.4

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	0.000525	0.000497	0.000766	0.000734	N/A	0.000109	0.000090	0.000124	0.000067	0.000059	0.000066	0.000087
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.2	0.4	0.4	N/A	0.1	0	0.1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

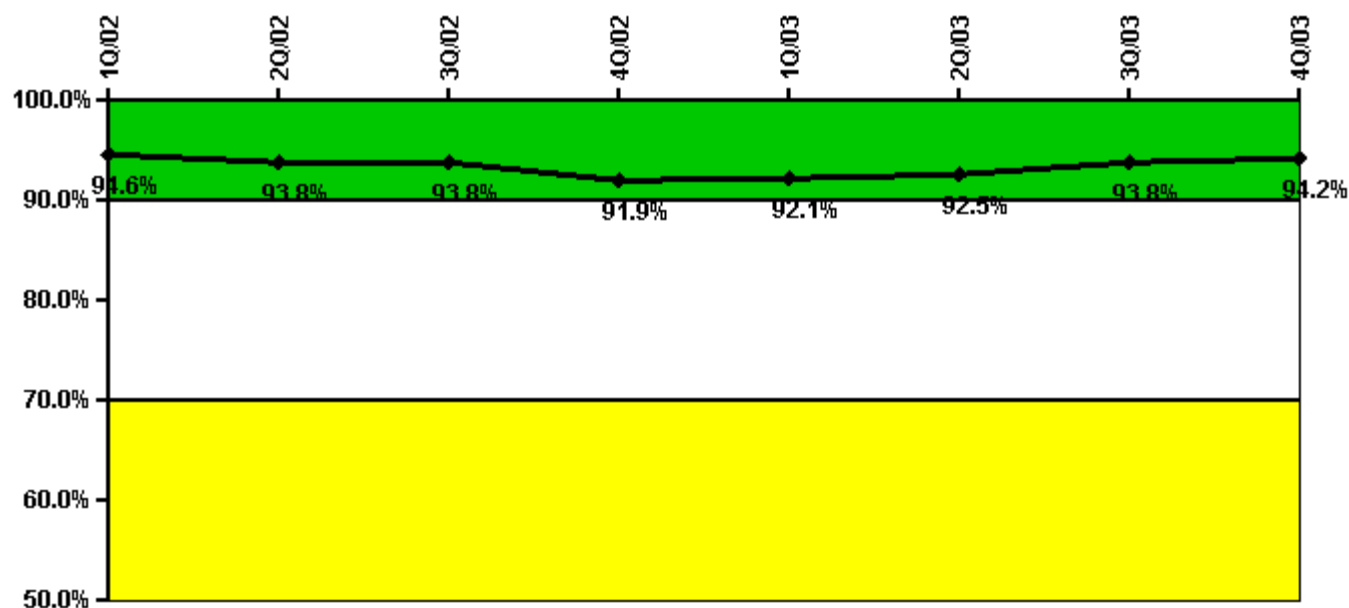
Notes

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	2.800	2.900	3.300	3.500	3.600	3.700	3.800	3.800	3.800	3.900	3.900	4.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.3	9.7	11.0	11.7	12.0	12.3	12.7	12.7	12.7	13.0	13.0	13.3

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	4.400	4.400	4.800	5.000	1.600	1.900	1.900	2.100	2.100	2.200	2.100	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	14.7	14.7	16.0	16.7	5.3	6.3	6.3	7.0	7.0	7.3	7.0	7.0

Licensee Comments: none

Drill/Exercise Performance



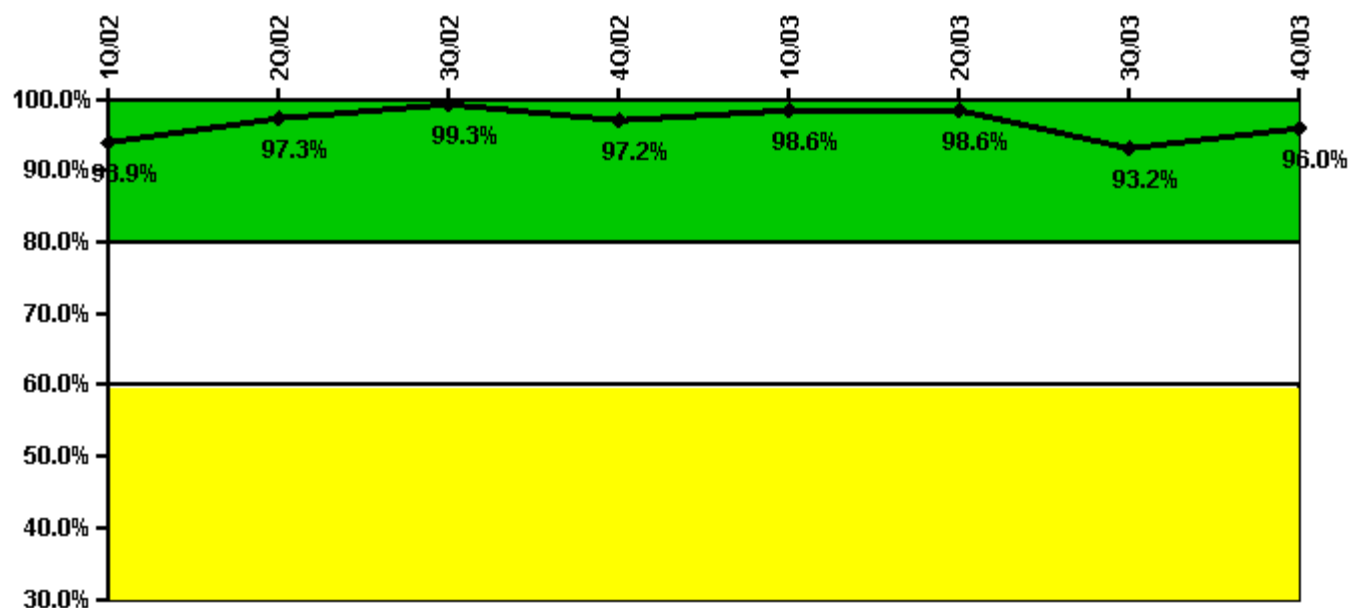
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	20.0	39.0	16.0	21.0	17.0	10.0	2.0	38.0
Total opportunities	20.0	42.0	18.0	24.0	18.0	11.0	2.0	38.0
Indicator value	94.6%	93.8%	93.8%	91.9%	92.1%	92.5%	93.8%	94.2%

Licensee Comments: none

ERO Drill Participation



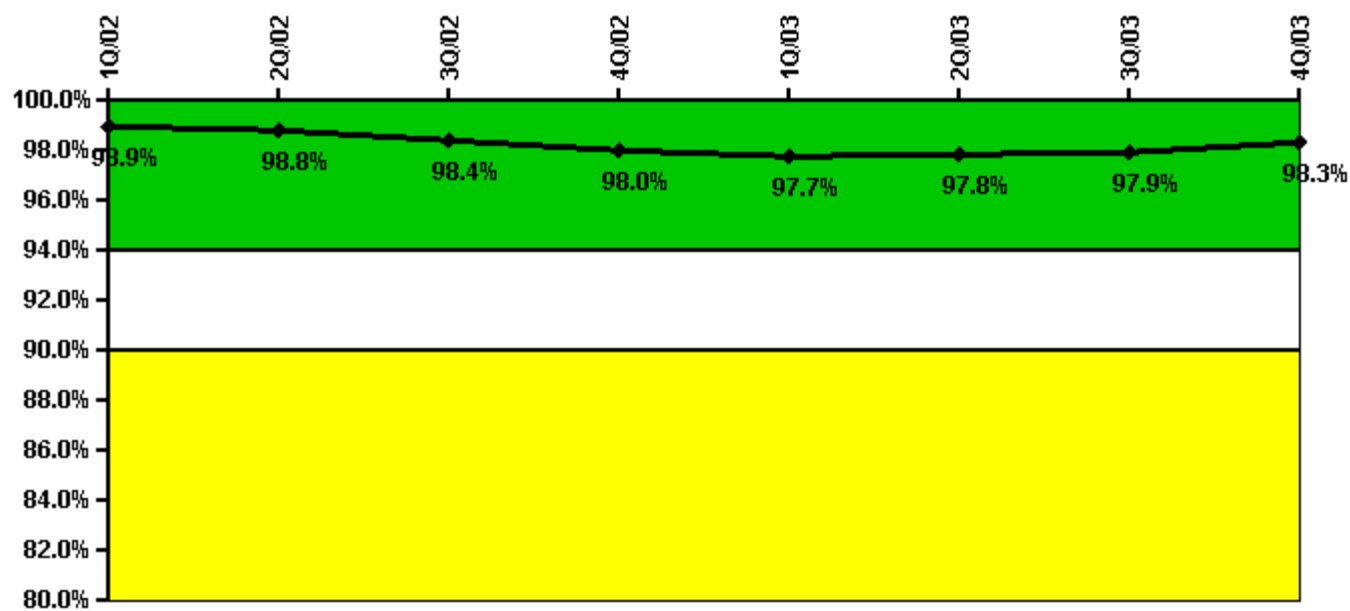
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	139.0	144.0	144.0	140.0	144.0	137.0	137.0	144.0
Total Key personnel	148.0	148.0	145.0	144.0	146.0	139.0	147.0	150.0
Indicator value	93.9%	97.3%	99.3%	97.2%	98.6%	98.6%	93.2%	96.0%

Licensee Comments: none

Alert & Notification System



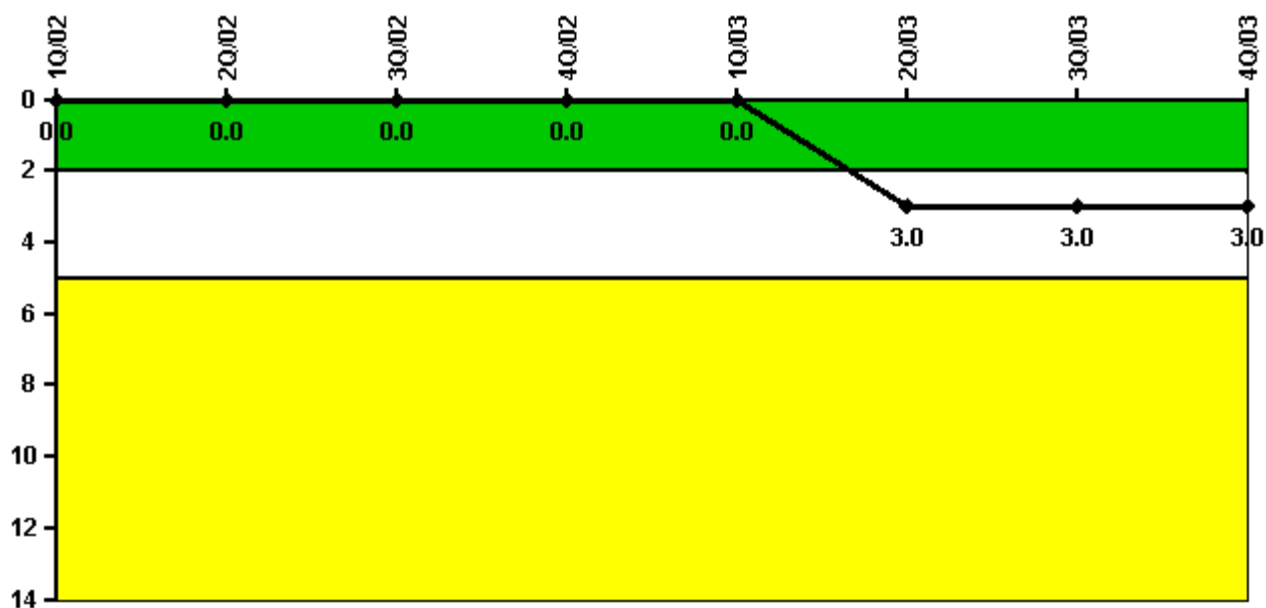
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	526	519	596	445	594	520	525	452
Total sirens-tests	532	532	608	456	608	532	532	456
Indicator value	98.9%	98.8%	98.4%	98.0%	97.7%	97.8%	97.9%	98.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness

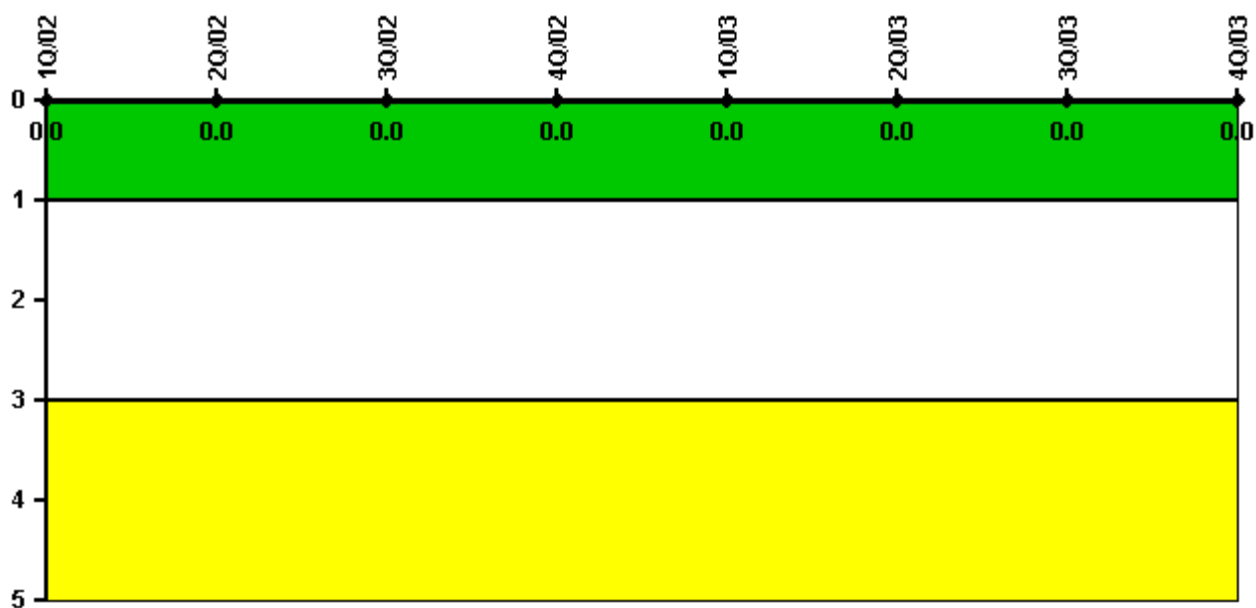


Thresholds: White > 2.0 Yellow > 5.0

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	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	2	0	0
Indicator value	0	0	0	0	0	3	3	3

Licensee Comments: none

RETS/ODCM Radiological Effluent

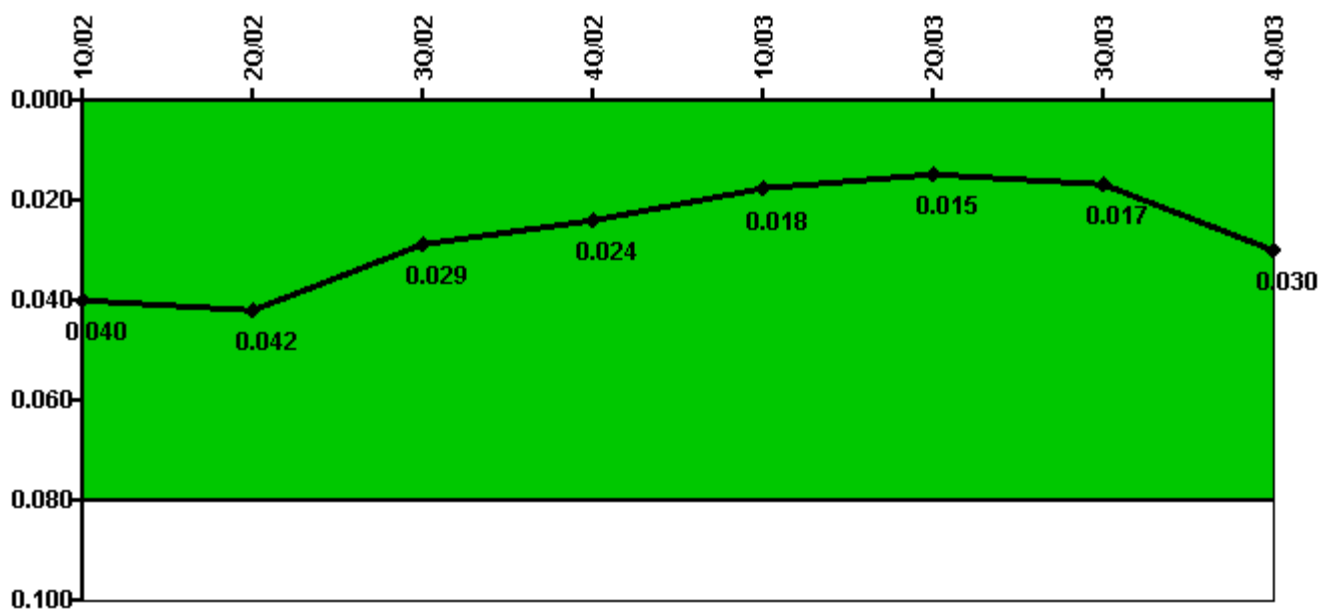
Thresholds: White > 1.0 Yellow > 3.0

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



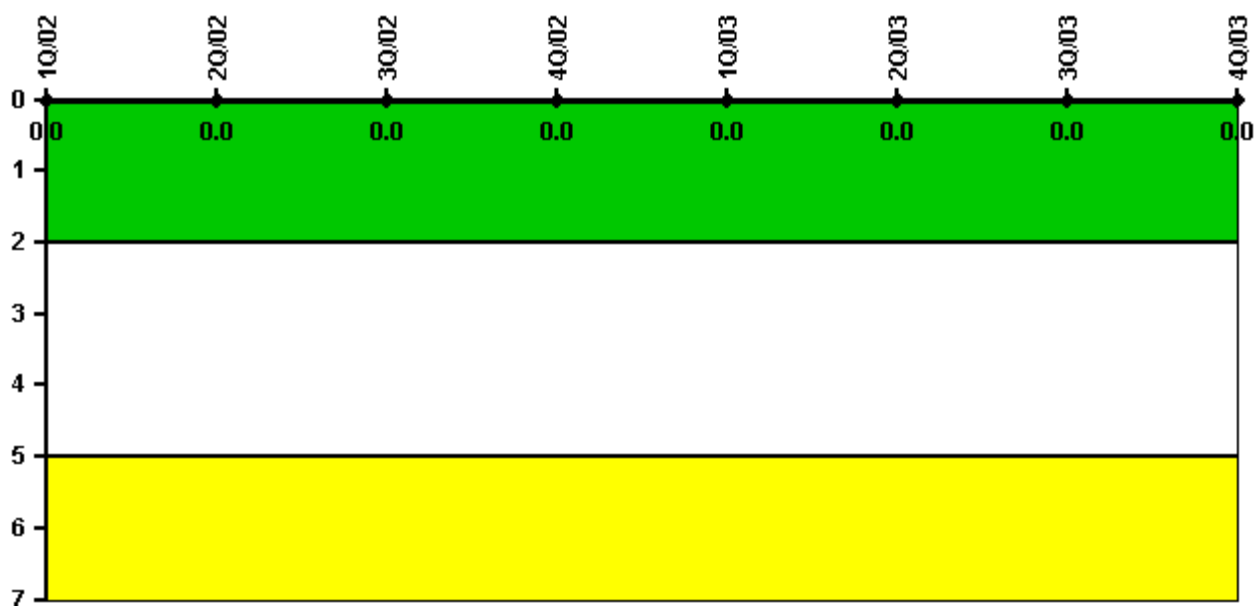
Thresholds: White > 0.080

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	149.40	219.40	18.50	12.40	49.50	165.70	64.60	216.70
CCTV compensatory hours	17.3	12.7	26.9	4.4	5.2	1.0	18.8	52.1
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.040	0.042	0.029	0.024	0.018	0.015	0.017	0.030

Licensee Comments: none

Personnel Screening Program



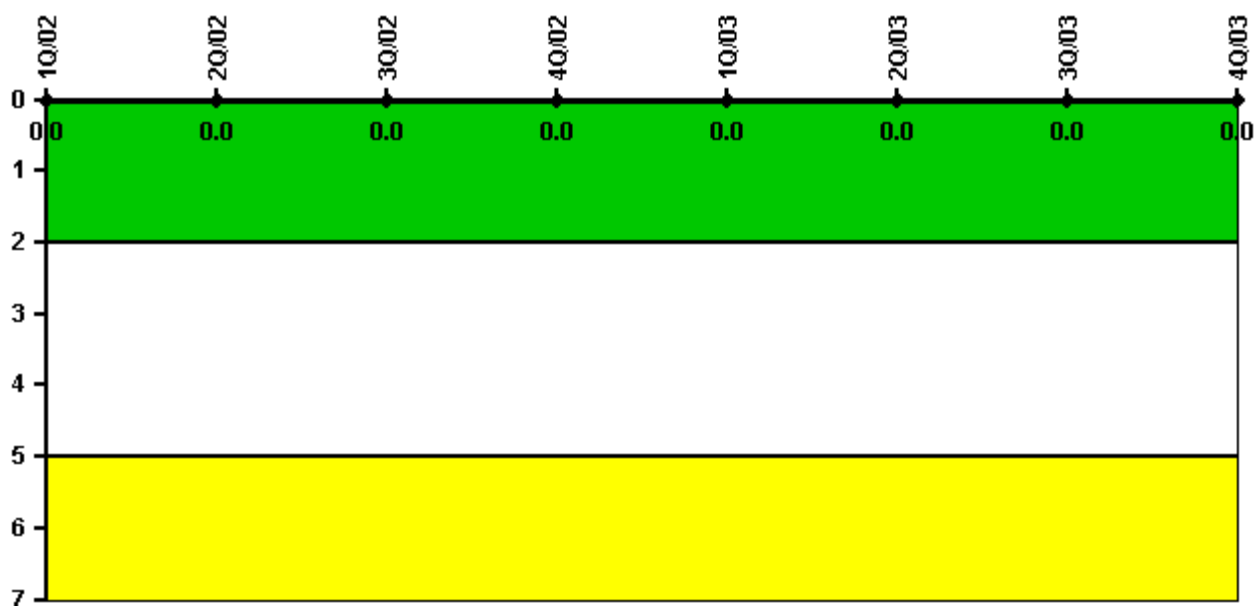
Thresholds: White > 2.0 Yellow > 5.0

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](#)

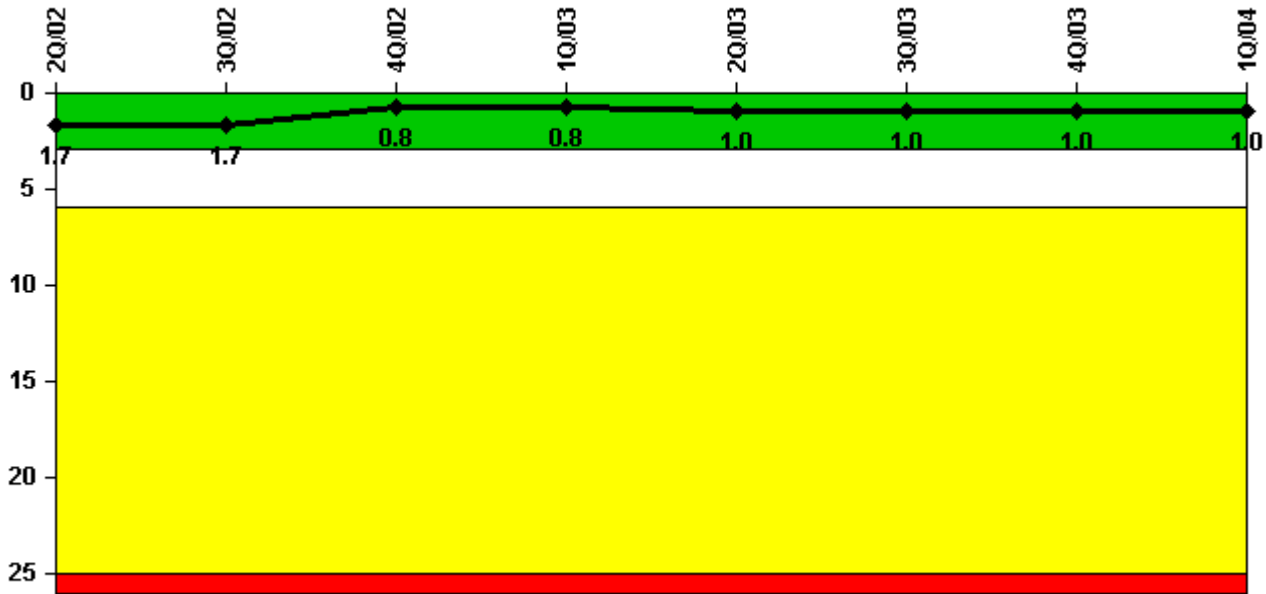
Last Modified: January 23, 2004

Perry 1

1Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



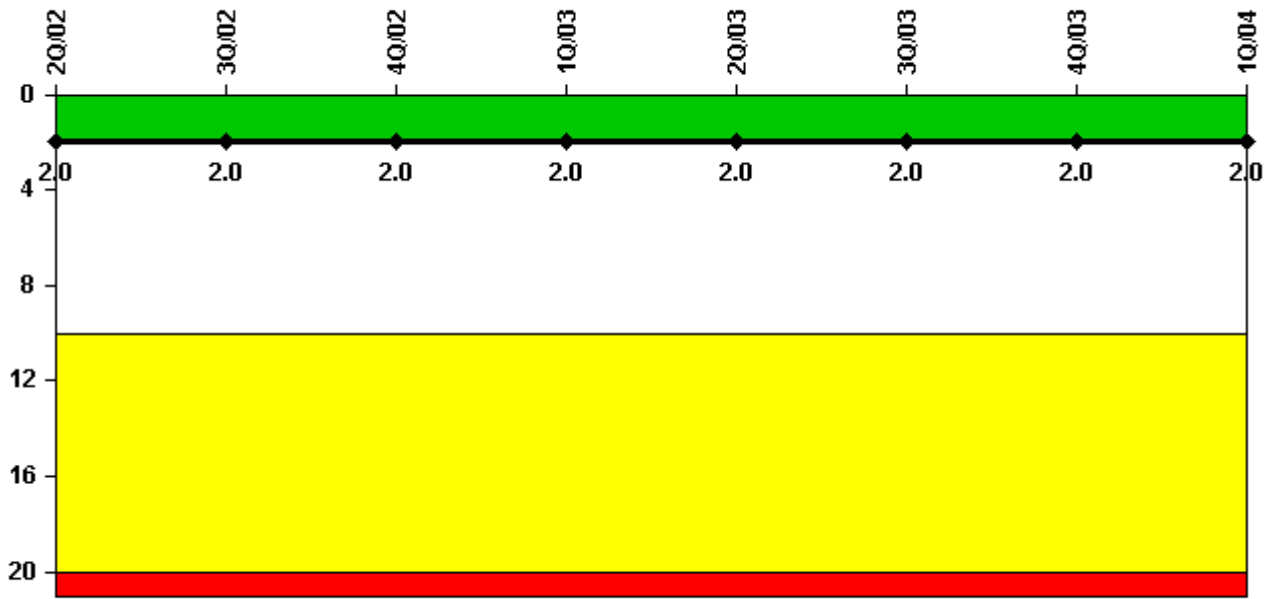
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	1.0	0	0	0	1.0	0	0
Critical hours	2026.0	1993.7	2138.6	2160.0	900.6	2071.6	2209.0	2184.0
Indicator value	1.7	1.7	0.8	0.8	1.0	1.0	1.0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



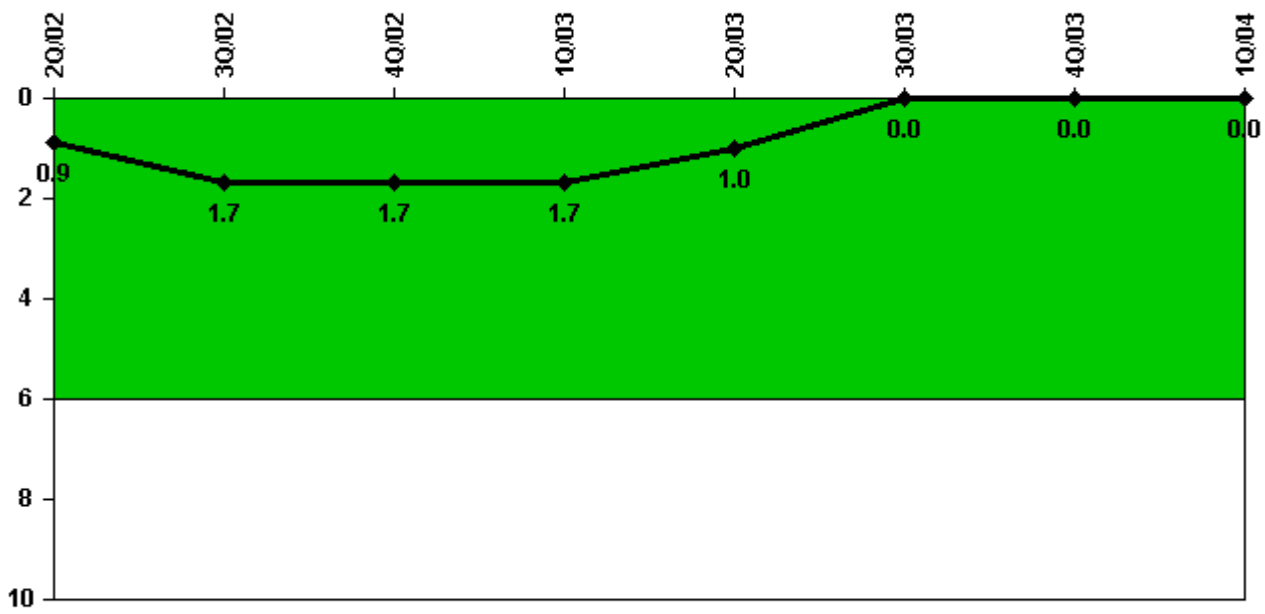
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/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	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



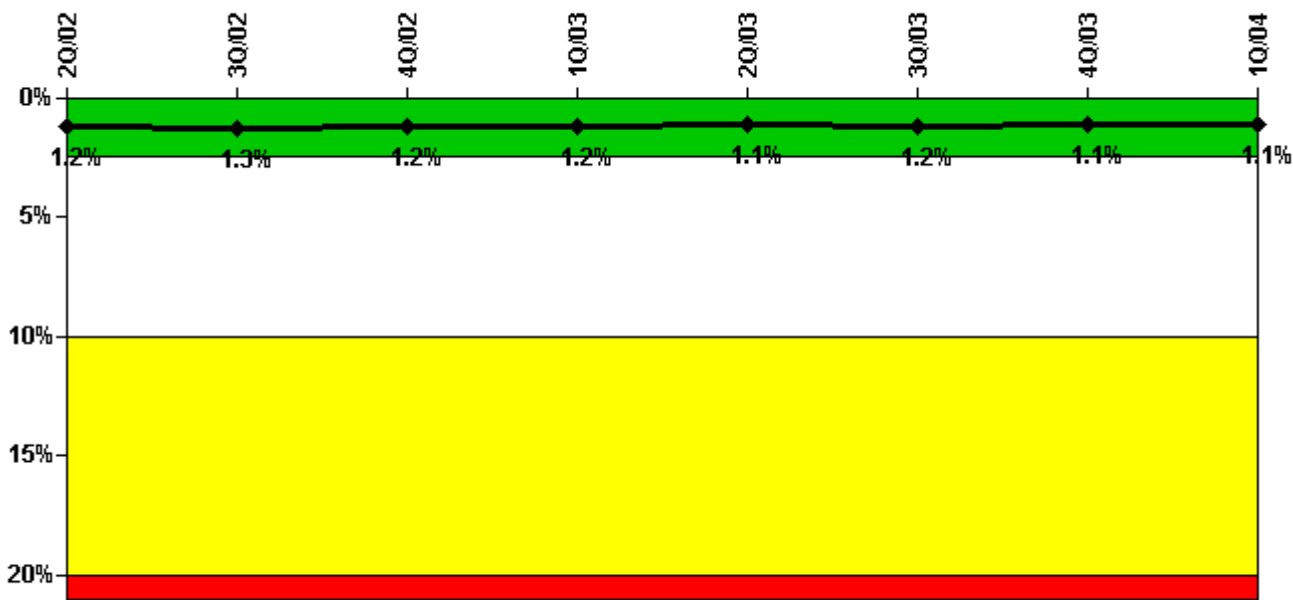
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	1.0	1.0	0	0	0	0	0	0
Critical hours	2026.0	1993.7	2138.6	2160.0	900.6	2071.6	2209.0	2184.0
Indicator value	0.9	1.7	1.7	1.7	1.0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



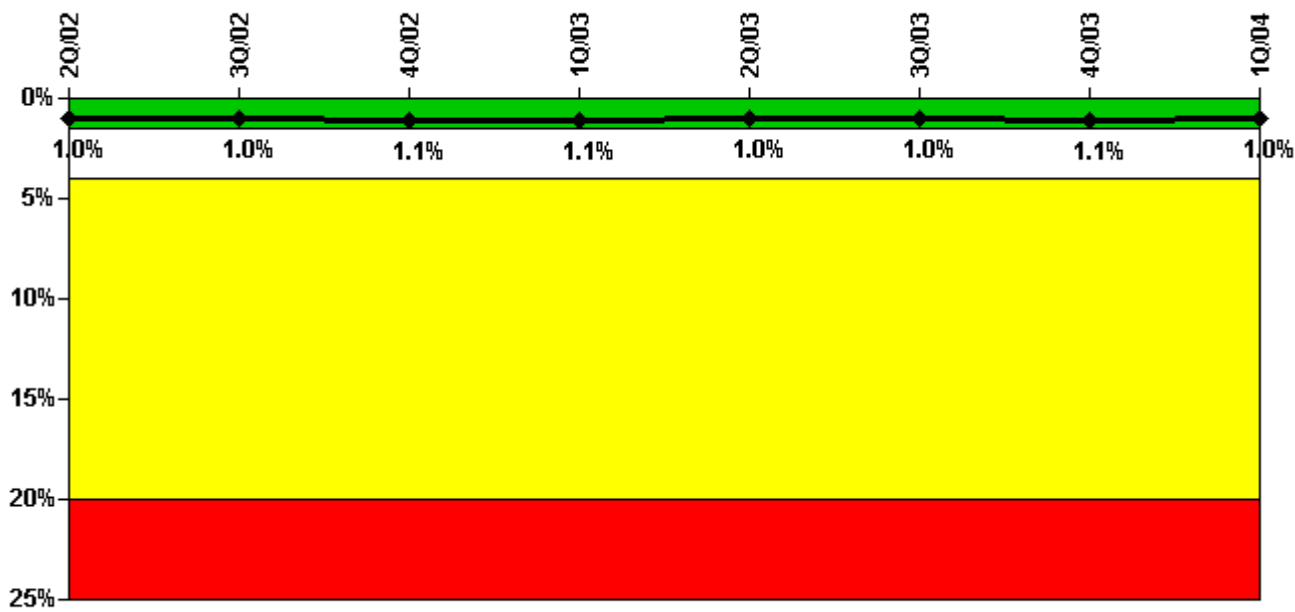
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	58.03	5.80	5.05	23.02	2.47	6.71	36.21	20.15
Unplanned unavailable hours	0	0	0	0	0	96.17	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	20.78	4.69	23.47	6.13	3.84	38.04	9.98	8.57
Unplanned unavailable hours	0	65.71	45.82	0.17	0	44.07	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 3								
Planned unavailable hours	1.26	1.55	12.30	30.38	3.65	2.77	29.87	1.33
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	1.2%	1.3%	1.2%	1.2%	1.1%	1.2%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



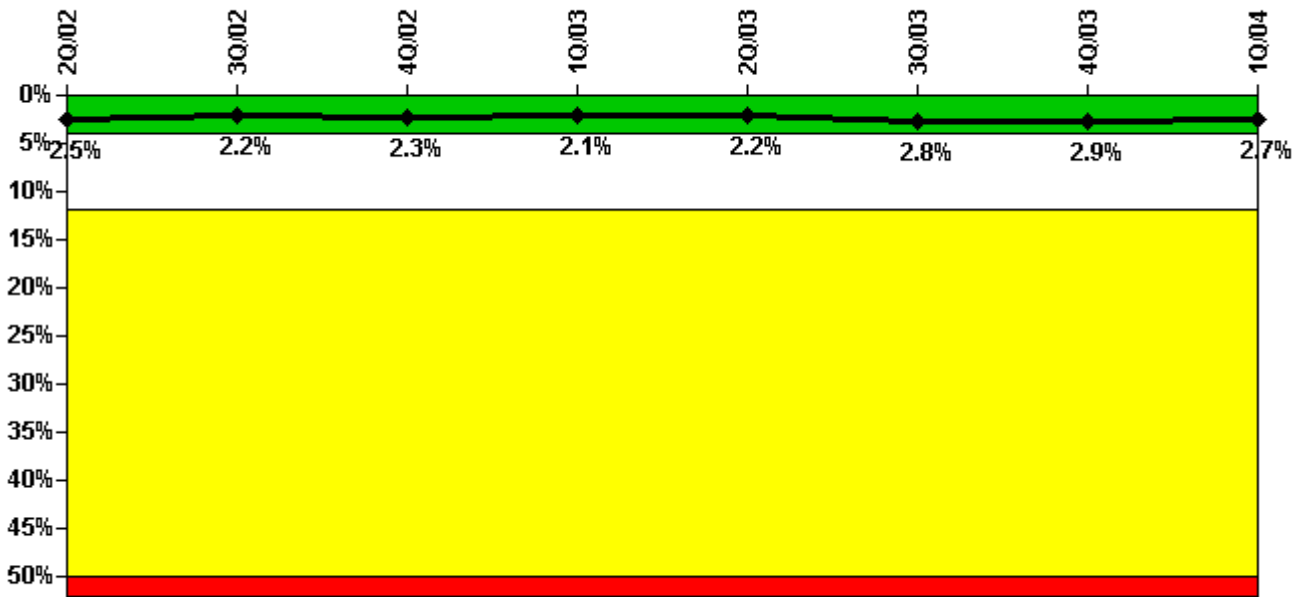
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	97.85	4.12	1.20	16.83	2.22	3.45	25.14	0.85
Unplanned unavailable hours	0	0	7.73	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	2026.00	1993.68	2138.60	2160.00	900.60	2071.60	2209.00	2184.00
Indicator value	1.0%	1.0%	1.1%	1.1%	1.0%	1.0%	1.1%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



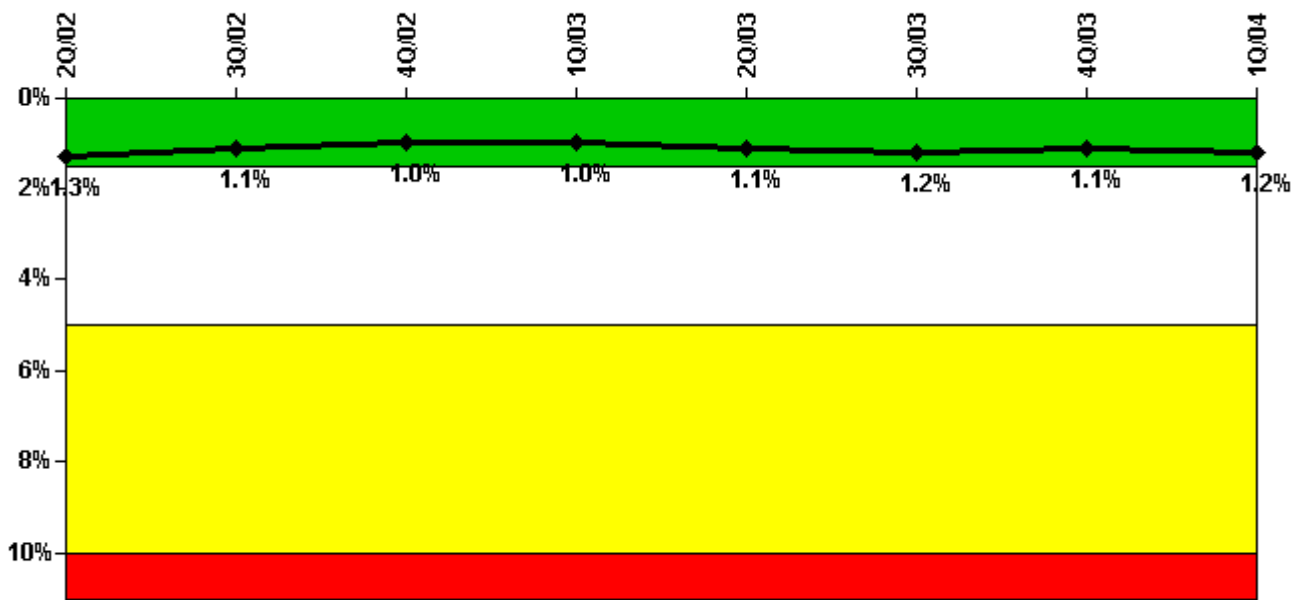
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	68.58	3.20	19.29	33.05	34.05	60.61	53.76	21.65
Unplanned unavailable hours	0	0	0	0	0	119.05	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	2026.00	1993.68	2138.60	2160.00	900.60	2071.60	2209.00	2184.00
Indicator value	2.5%	2.2%	2.3%	2.1%	2.2%	2.8%	2.9%	2.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



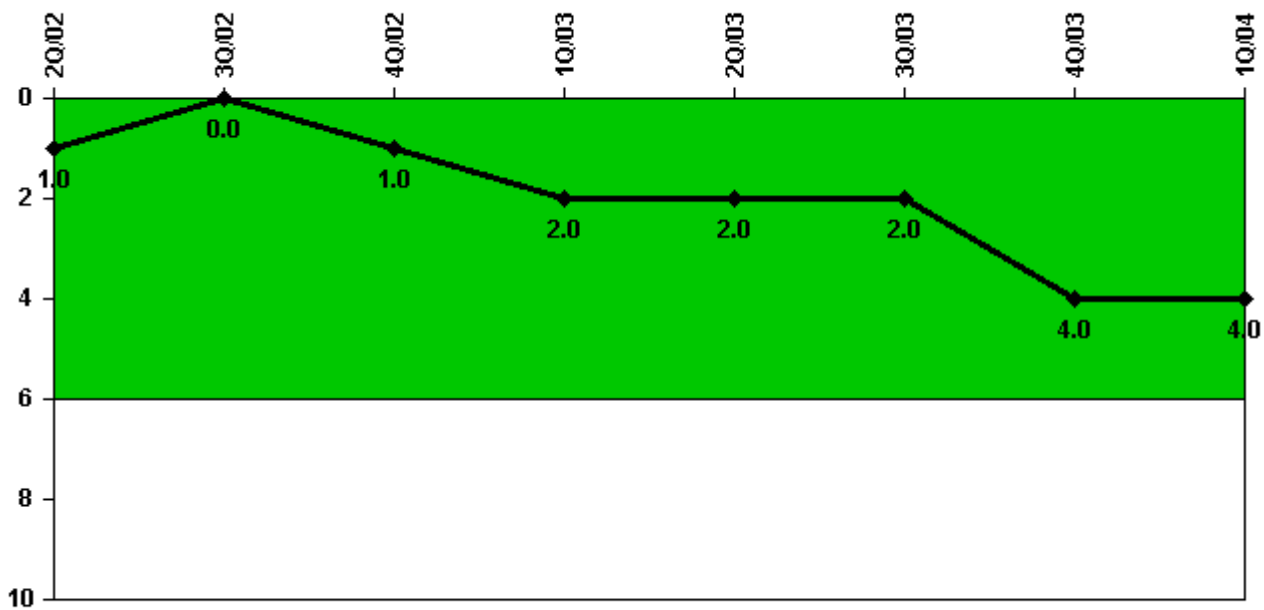
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	77.22	3.24	0	37.72	30.08	5.98	50.79	19.50
Unplanned unavailable hours	0	17.63	0	0	0	116.59	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	0.55	75.35	3.59	0.43	32.21	0.92	0.35
Unplanned unavailable hours	0	0	0	0.17	0	0.07	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	1.3%	1.1%	1.0%	1.0%	1.1%	1.2%	1.1%	1.2%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

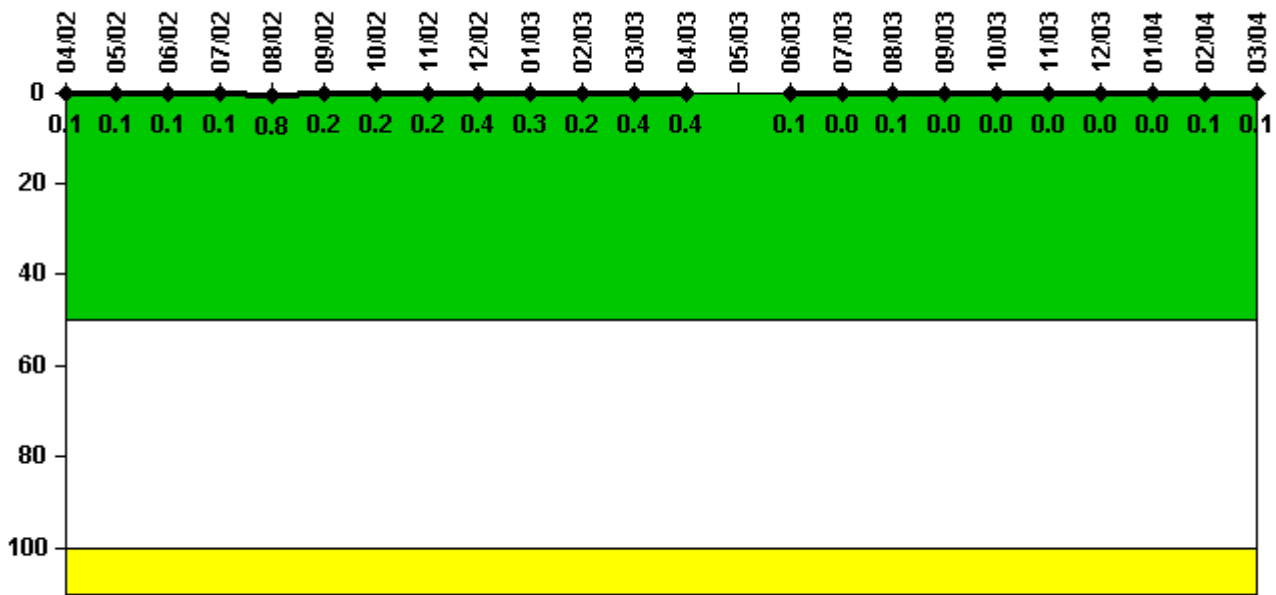
Safety System Functional Failures (BWR)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Safety System Functional Failures	0	0	1	1	0	0	3	1
Indicator value	1	0	1	2	2	2	4	4

Licensee Comments:

1Q/04: Data Correction: The data submitted for Q4 2003 has been corrected to reflect three SSFFs rather than two. The event reported in LER 2003-005 should have counted two SSFFs instead of one because the system was returned to operability before the condition was corrected. This change does not affect the indicator color.

4Q/03: Feb 2004: Data corrected to reflect 2 failures for the event reported in LER 2003-005 rather than 1, because the system was restored to operability before the condition had been corrected. This change results in 3 SSFFs for Q4/2003 rather than 2.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

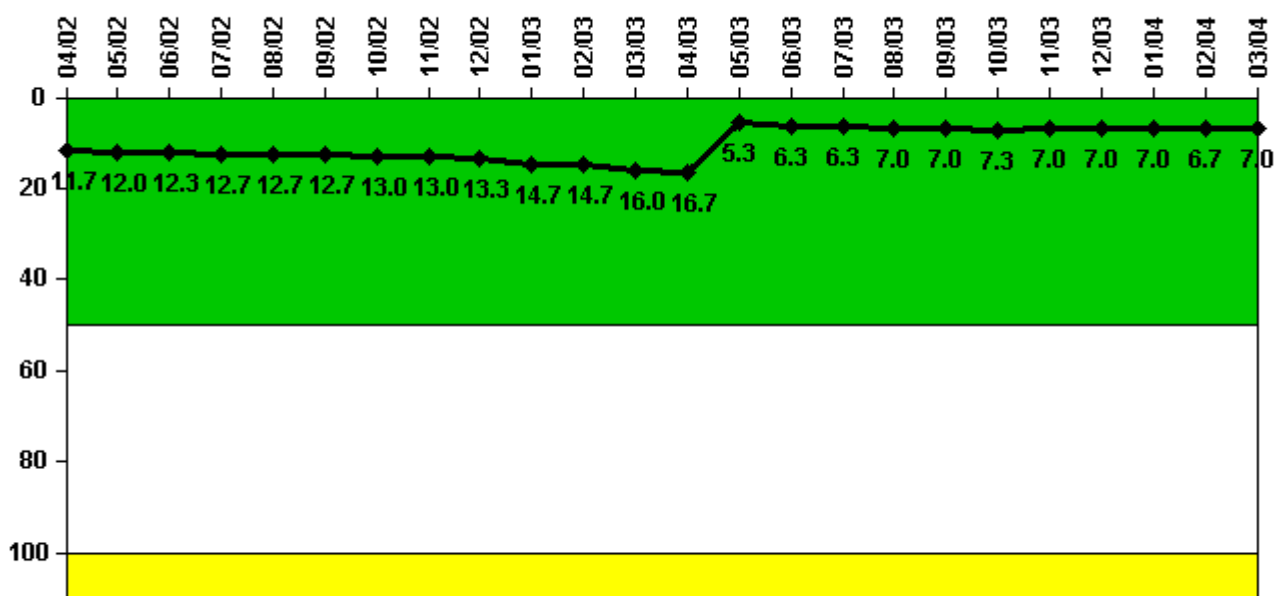
Notes

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	0.000218	0.000241	0.000155	0.000158	0.001530	0.000397	0.000460	0.000438	0.000823	0.000525	0.000497	0.000766
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0.1	0.1	0.8	0.2	0.2	0.2	0.4	0.3	0.2	0.4

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	0.000734	N/A	0.000109	0.000090	0.000124	0.000067	0.000059	0.000066	0.000087	0.000073	0.000112	0.000109
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.4	N/A	0.1	0	0.1	0	0	0	0	0	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

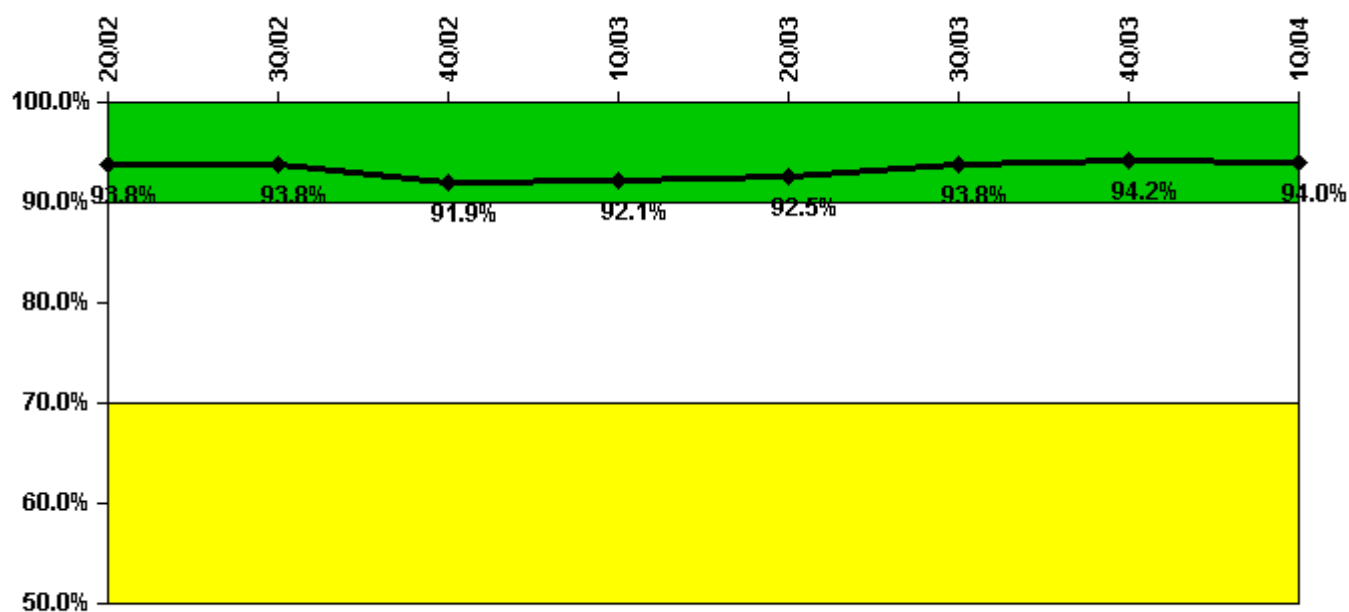
Notes

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	3.500	3.600	3.700	3.800	3.800	3.800	3.900	3.900	4.000	4.400	4.400	4.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	11.7	12.0	12.3	12.7	12.7	12.7	13.0	13.0	13.3	14.7	14.7	16.0

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	5.000	1.600	1.900	1.900	2.100	2.100	2.200	2.100	2.100	2.100	2.000	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	16.7	5.3	6.3	6.3	7.0	7.0	7.3	7.0	7.0	7.0	6.7	7.0

Licensee Comments: none

Drill/Exercise Performance



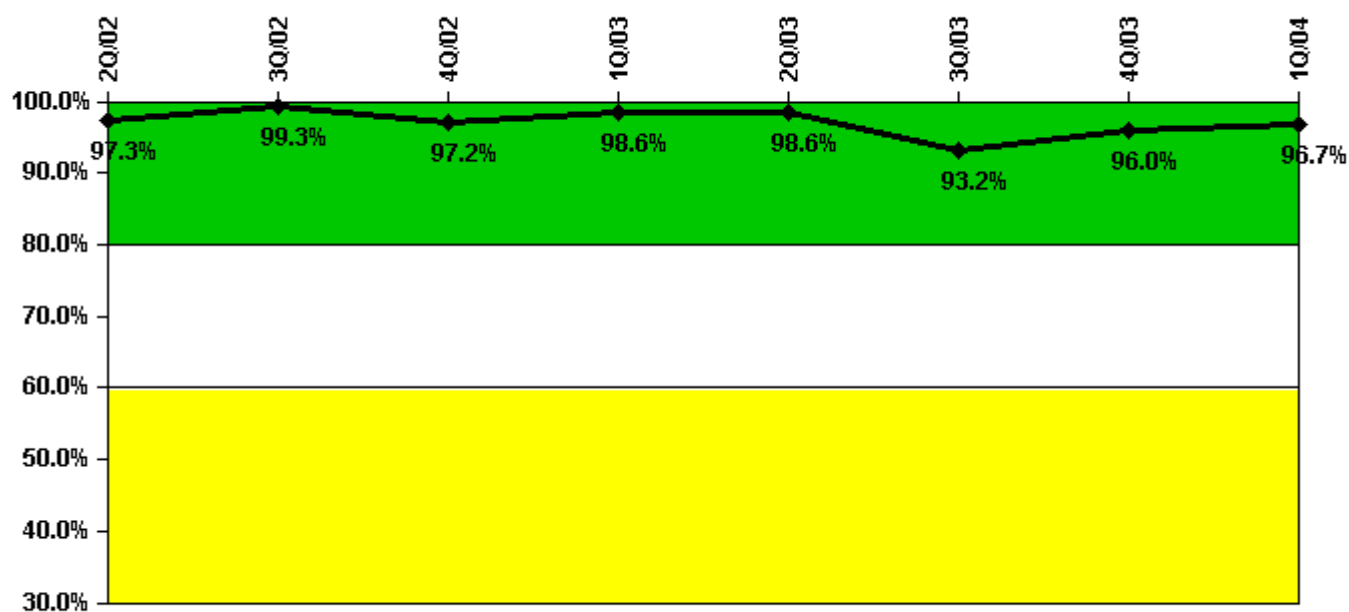
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	39.0	16.0	21.0	17.0	10.0	2.0	38.0	14.0
Total opportunities	42.0	18.0	24.0	18.0	11.0	2.0	38.0	14.0
Indicator value	93.8%	93.8%	91.9%	92.1%	92.5%	93.8%	94.2%	94.0%

Licensee Comments: none

ERO Drill Participation



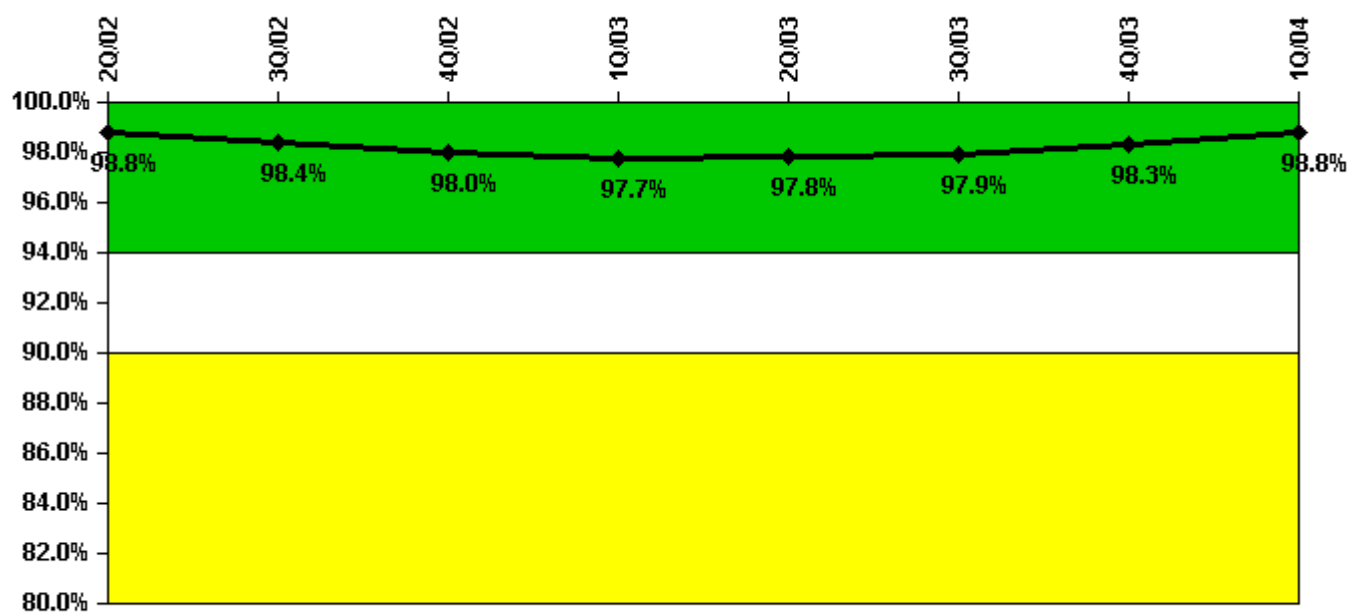
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	144.0	144.0	140.0	144.0	137.0	137.0	144.0	146.0
Total Key personnel	148.0	145.0	144.0	146.0	139.0	147.0	150.0	151.0
Indicator value	97.3%	99.3%	97.2%	98.6%	98.6%	93.2%	96.0%	96.7%

Licensee Comments: none

Alert & Notification System



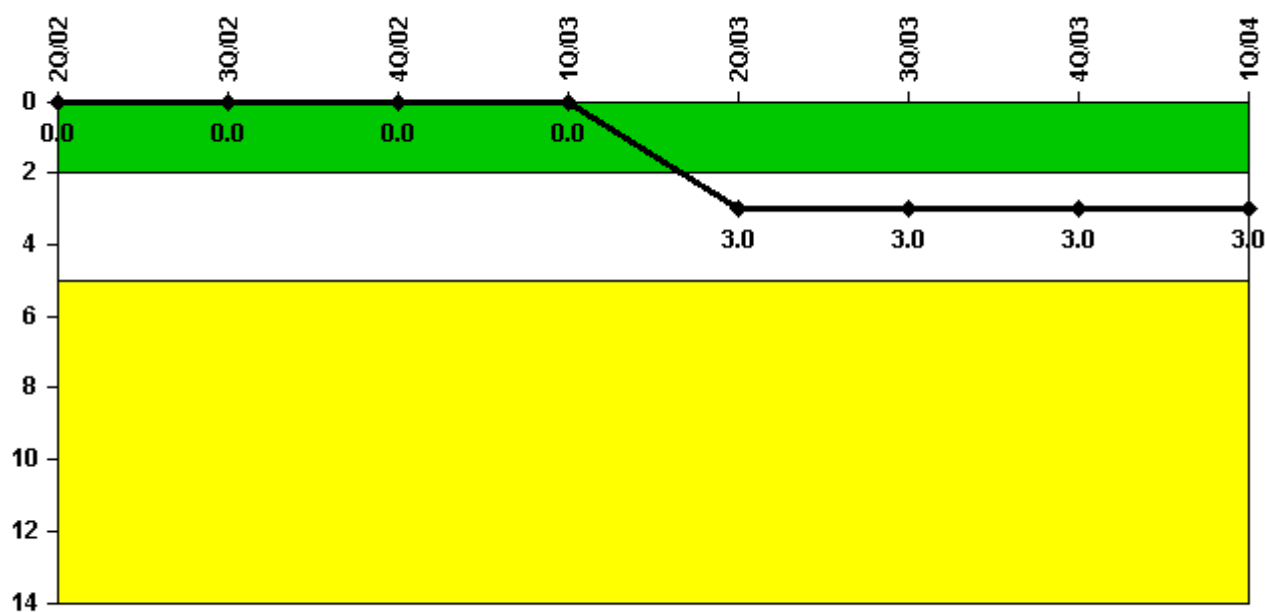
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	519	596	445	594	520	525	452	530
Total sirens-tests	532	608	456	608	532	532	456	532
Indicator value	98.8%	98.4%	98.0%	97.7%	97.8%	97.9%	98.3%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

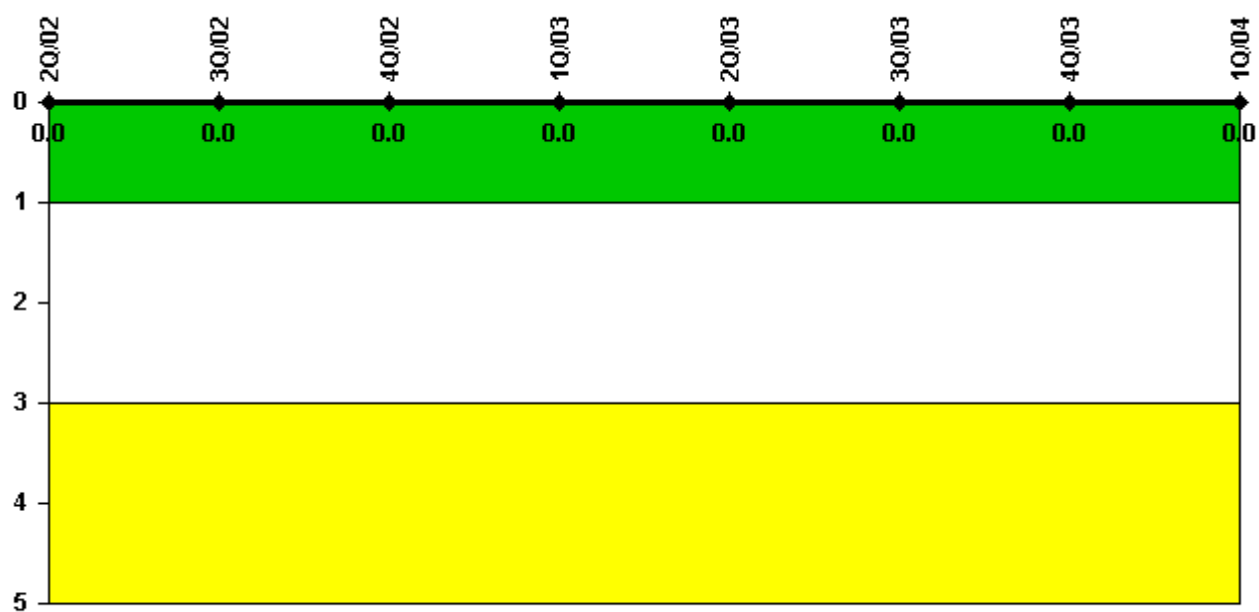


Thresholds: White > 2.0 Yellow > 5.0

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	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	2	0	0	0
Indicator value	0	0	0	0	3	3	3	3

Licensee Comments: none

RETS/ODCM Radiological Effluent

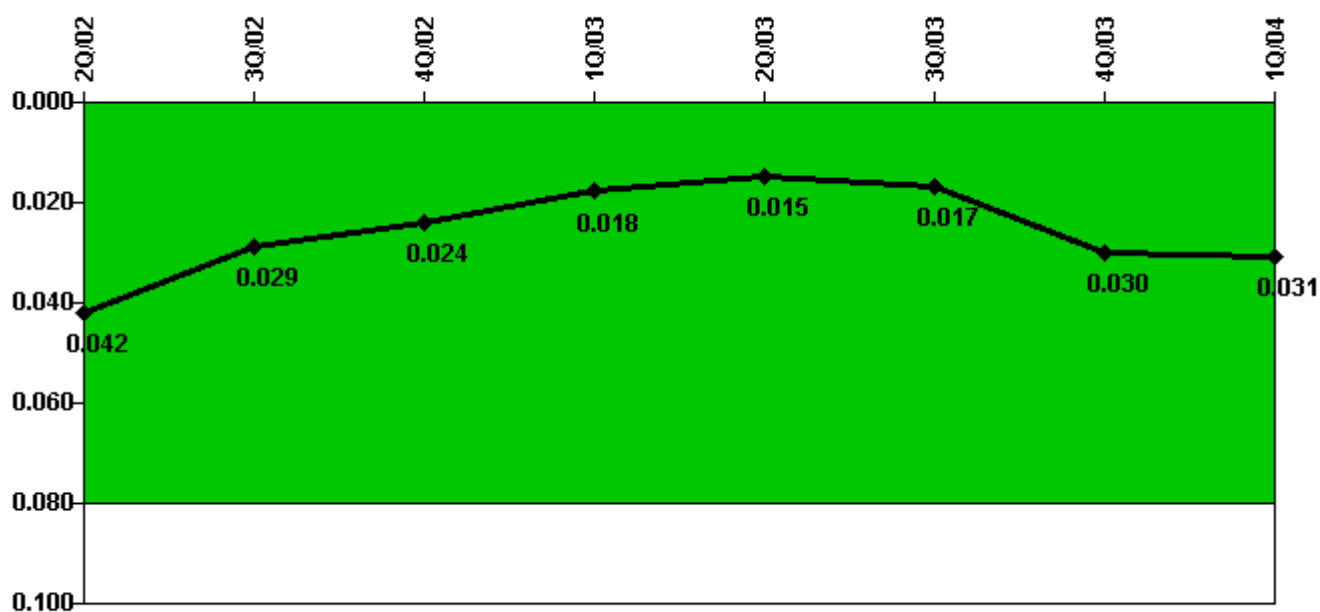
Thresholds: White > 1.0 Yellow > 3.0

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



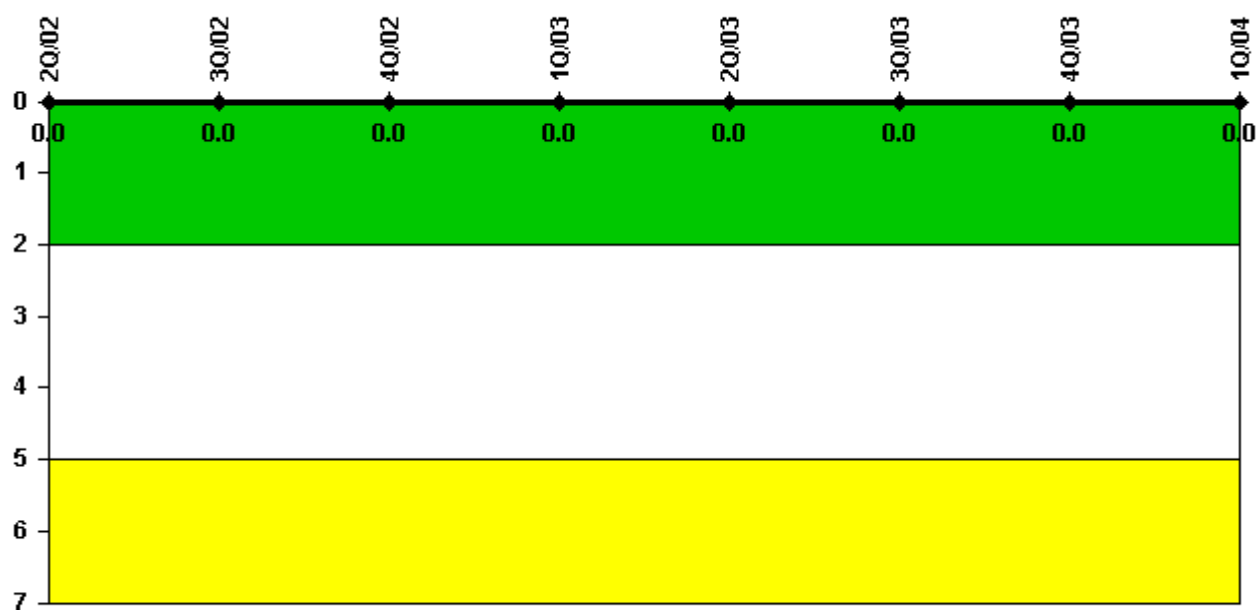
Thresholds: White > 0.080

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	219.40	18.50	12.40	49.50	165.70	64.60	216.70	72.90
CCTV compensatory hours	12.7	26.9	4.4	5.2	1.0	18.8	52.1	1.4
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.042	0.029	0.024	0.018	0.015	0.017	0.030	0.031

Licensee Comments: none

Personnel Screening Program

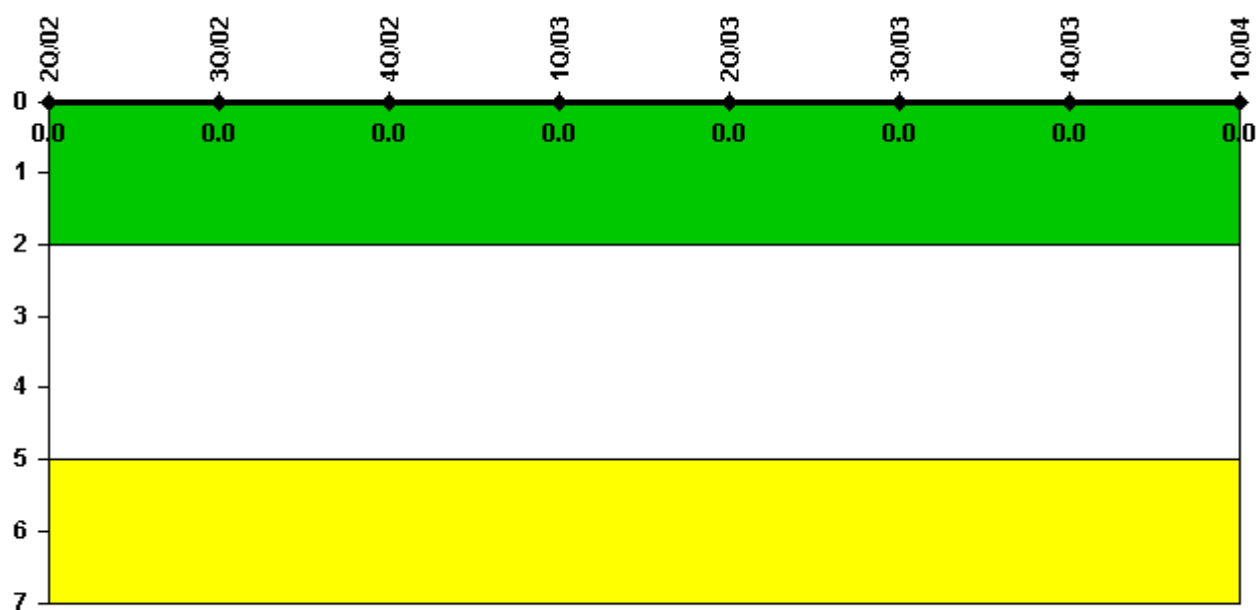


Thresholds: White > 2.0 Yellow > 5.0

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

Perry 1

2Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



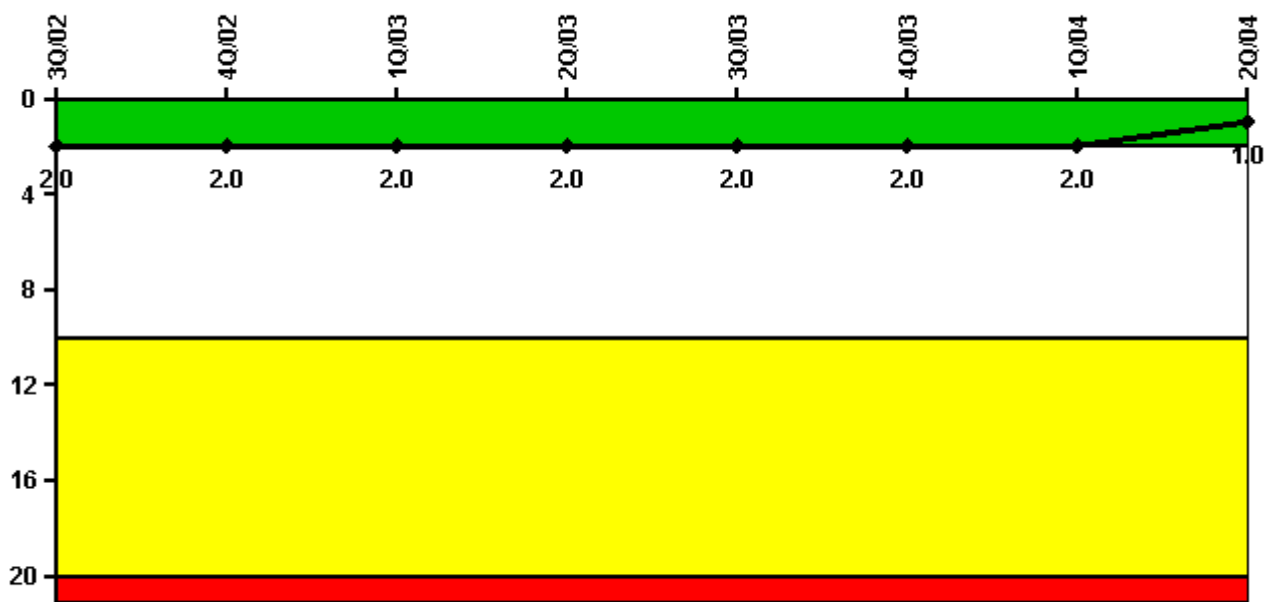
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0	0	0	0
Critical hours	1993.7	2138.6	2160.0	900.6	2071.6	2209.0	2184.0	1880.7
Indicator value	1.7	0.8	0.8	1.0	1.0	1.0	1.0	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



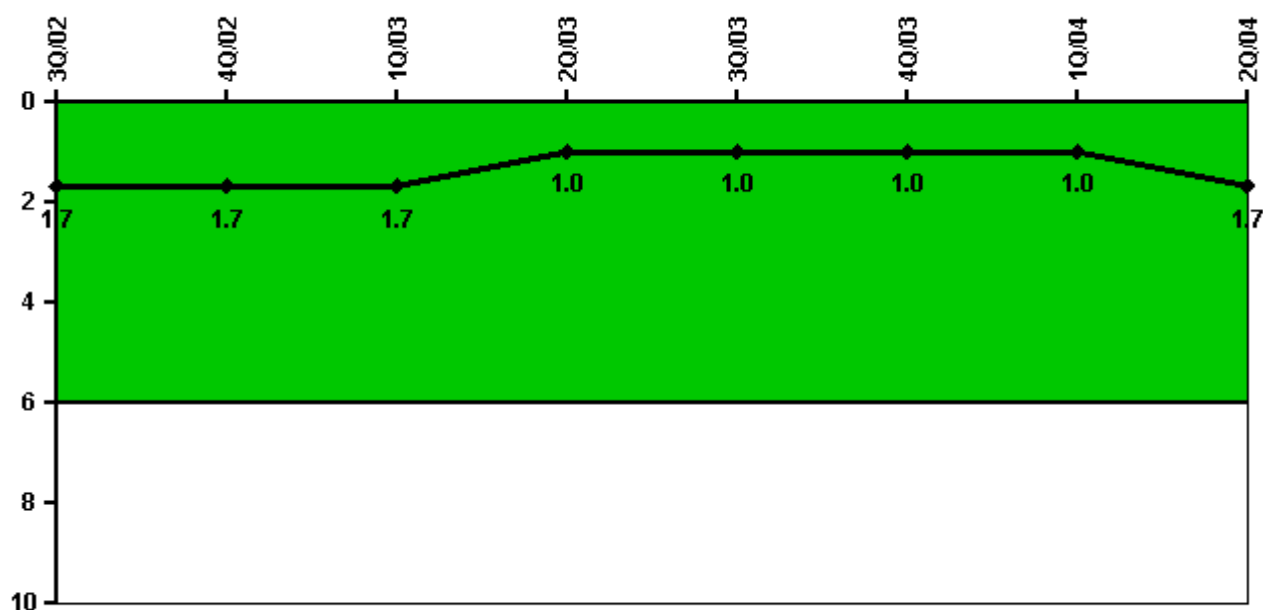
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	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

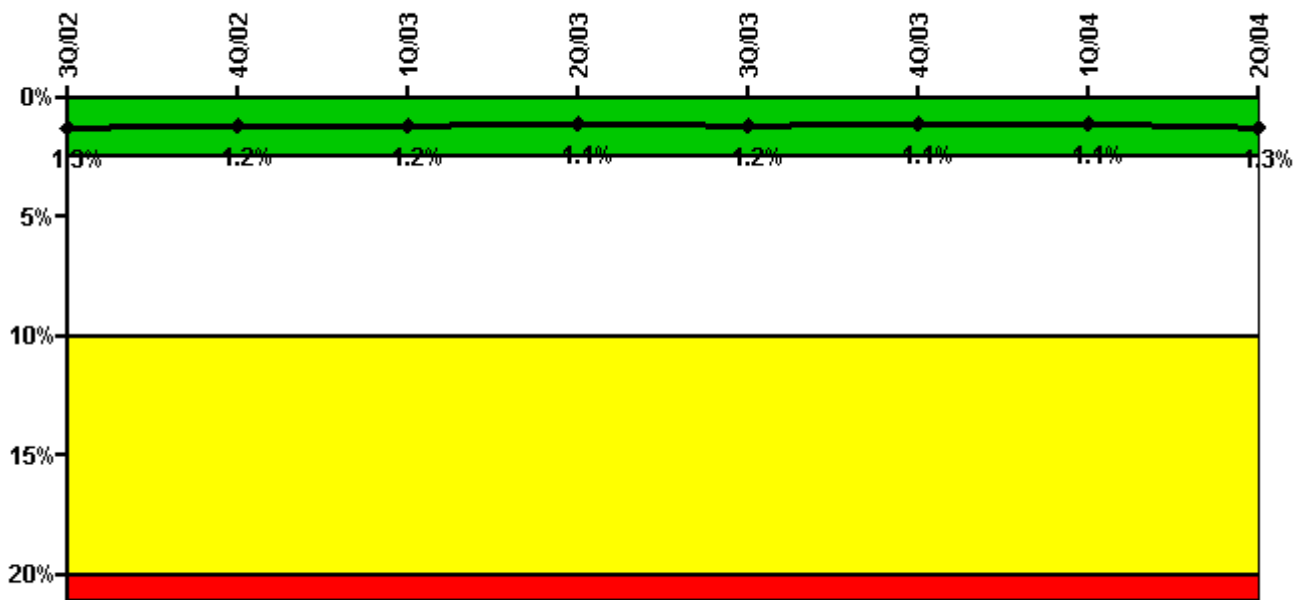
Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	1.0	0	0	0	1.0	0	0	1.0
Critical hours	1993.7	2138.6	2160.0	900.6	2071.6	2209.0	2184.0	1880.7
Indicator value	1.7	1.7	1.7	1.0	1.0	1.0	1.0	1.7

Licensee Comments:

2Q/04: Data Correction: The data submitted for Q3 2003 has been corrected to add one unplanned power change that occurred in Sep 2003. This change does not affect the indicator color.

3Q/03: June 2004: Data corrected for Sep 2003 to reflect 1 unplanned power change rather than 0, due to re-evaluation that determined the 09/14/03 power change occurred less than 72 hours after the issue was identified.

Safety System Unavailability, Emergency AC Power, >2EDG



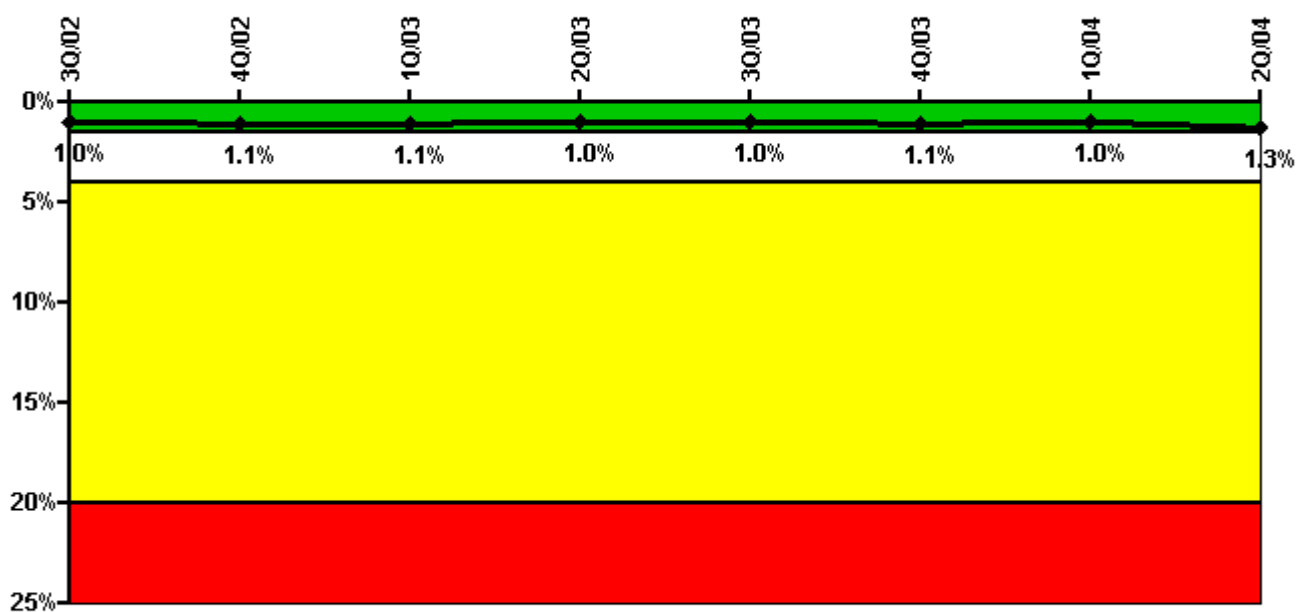
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

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	5.80	5.05	23.02	2.47	6.71	36.21	20.15	6.92
Unplanned unavailable hours	0	0	0	0	96.17	0	0	52.48
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	4.69	23.47	6.13	3.84	38.04	9.98	8.57	5.77
Unplanned unavailable hours	65.71	45.82	0.17	0	44.07	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 3								
Planned unavailable hours	1.55	12.30	30.38	3.65	2.77	29.87	1.33	126.36
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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	1.3%	1.2%	1.2%	1.1%	1.2%	1.1%	1.1%	1.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



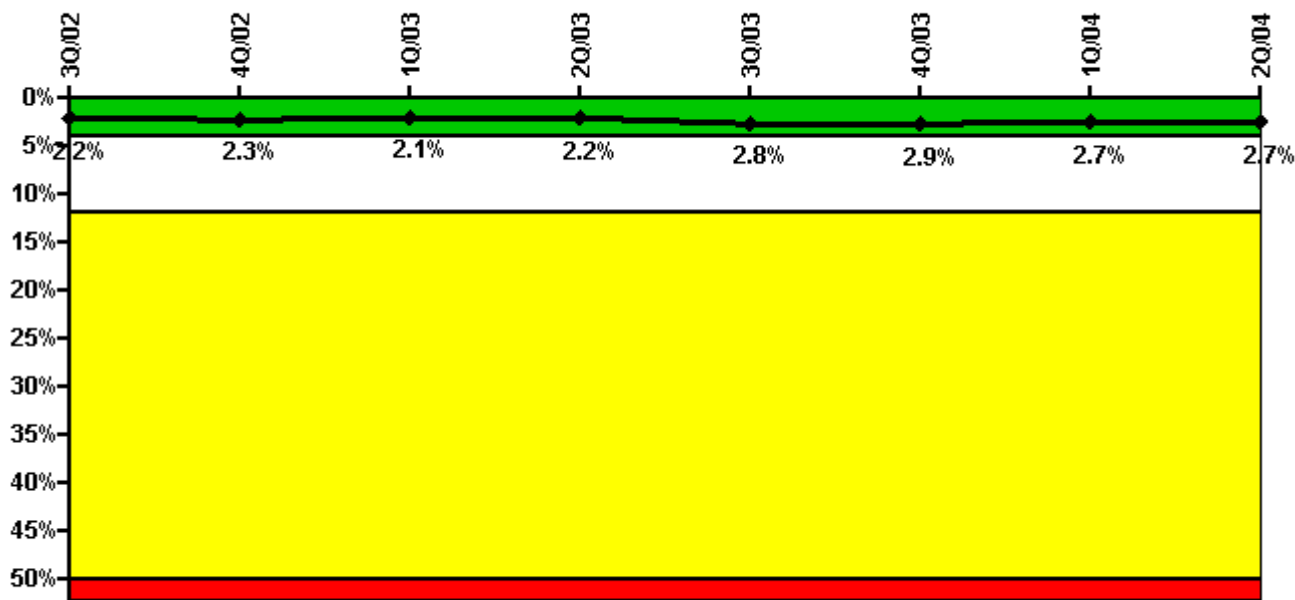
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	4.12	1.20	16.83	2.22	3.45	25.14	0.85	108.30
Unplanned unavailable hours	0	7.73	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	1993.68	2138.60	2160.00	900.60	2071.60	2209.00	2184.00	1880.70
Indicator value	1.0%	1.1%	1.1%	1.0%	1.0%	1.1%	1.0%	1.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

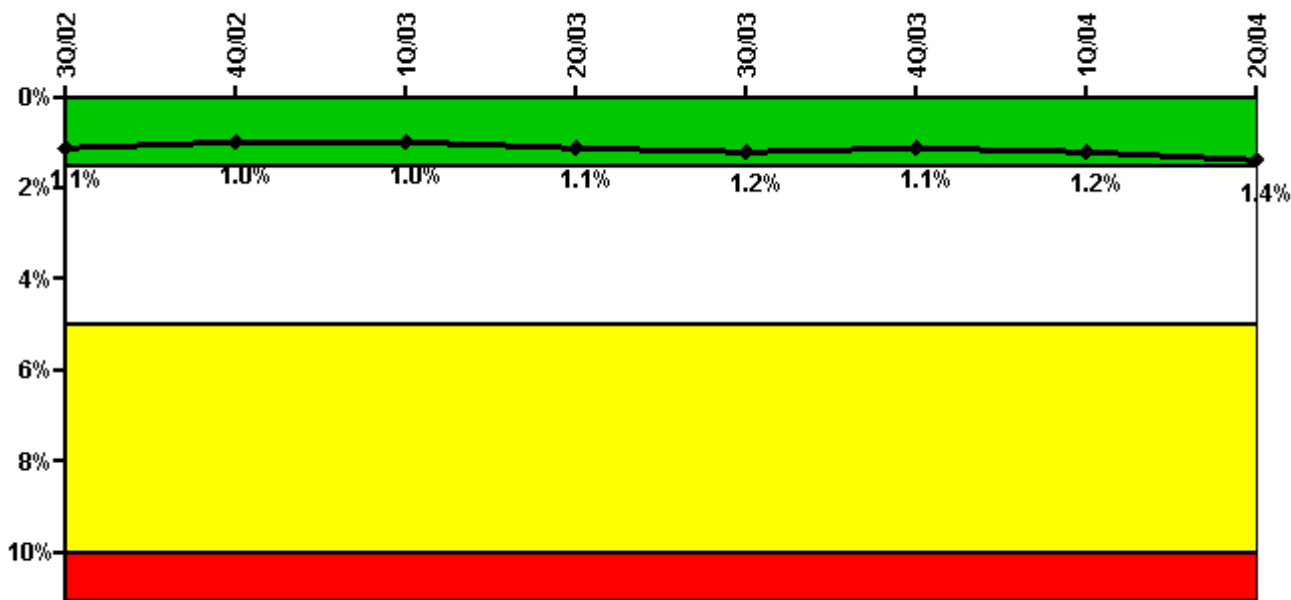
Safety System Unavailability, Heat Removal System (RCIC)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	3.20	19.29	33.05	34.05	60.61	55.94	21.65	2.76
Unplanned unavailable hours	0	0	0	0	119.05	0	0	46.28
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1993.68	2138.60	2160.00	900.60	2071.60	2209.00	2184.00	1880.70
Indicator value	2.2%	2.3%	2.1%	2.2%	2.8%	2.9%	2.7%	2.7%

Licensee Comments:

2Q/04: Data Correction: RCIC data for Q4 2003 was corrected to include an additional 2.18 hours of unavailability due to support system unavailability. This change does not affect the indicator color.

4Q/03: June 2004: RCIC Data for Oct 03 was changed from 16.07 to 17.65, to account for additional support system unavailability. RCIC Data for Dec 03 was changed from 18.87 to 19.47, to account for additional support system unavailability.

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	3.24	0	37.72	30.08	5.98	52.97	19.50	2.05
Unplanned unavailable hours	17.63	0	0	0	116.59	0	0	108.95
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	0.55	75.35	3.59	2.13	34.13	1.22	0.67	0
Unplanned unavailable hours	0	0	0.17	0	0.07	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	1.1%	1.0%	1.0%	1.1%	1.2%	1.1%	1.2%	1.4%

Licensee Comments:

2Q/04: Data Correction: RHR data for Q2 2003, Q3 2003, Q4 2003, and Q1 2004 was corrected to include a total of 6.42 hours of additional unavailability due to support system unavailability. This change does not affect the indicator color.

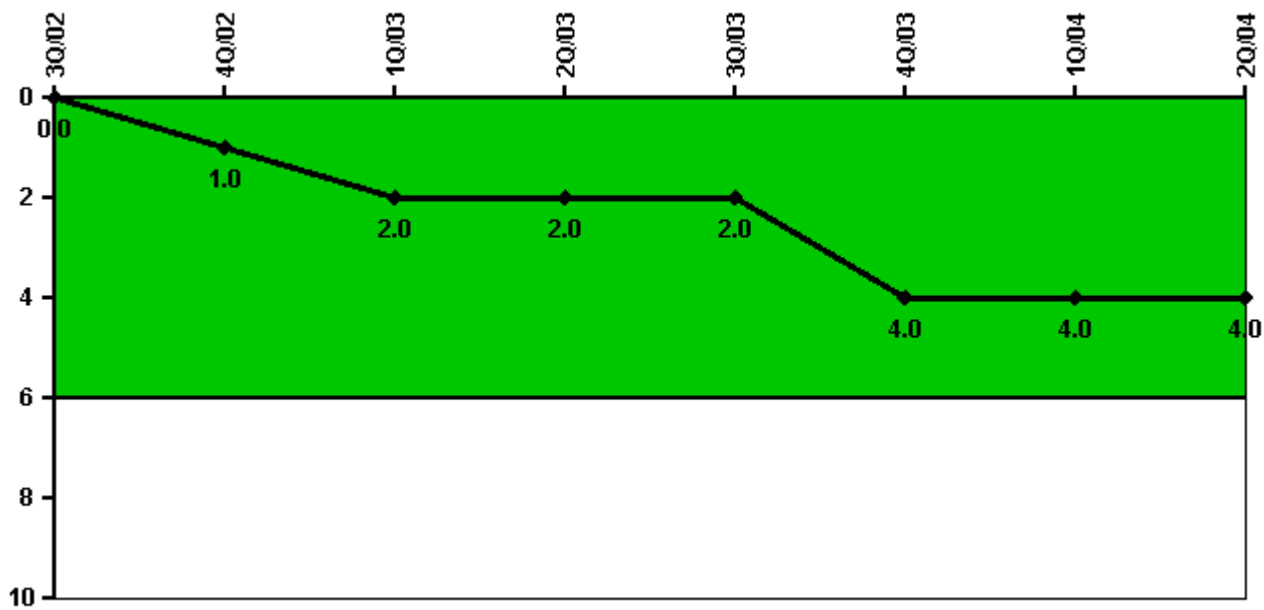
1Q/04: June 2004: RHR Train 2 Data for Feb 04 was changed from 0.35 to 0.67, to account for additional support system unavailability.

4Q/03: June 2004: RHR Train 1 Data for Oct 03 was changed from 18.88 to 20.46, to account for additional support system unavailability. RHR Train 2 Data for Nov 03 was changed from 0.92 to 1.22, to account for additional support system unavailability. RHR Train 1 Data for Dec 03 was changed from 6.48 to 7.08, to account for additional support system unavailability.

3Q/03: June 2004: RHR Train 2 Data for Aug 03 was changed from 6.98 to 8.90, to account for additional support system unavailability.

2Q/03: Historical data for May 2002 was corrected to remove 24 hours of unavailability that had been reported in error. This change has no effect on the indicator color. Correction June 2004: RHR Train 2 Data for Jun 03 was changed from 0.43 to 2.13, to account for additional support system unavailability.

Safety System Functional Failures (BWR)



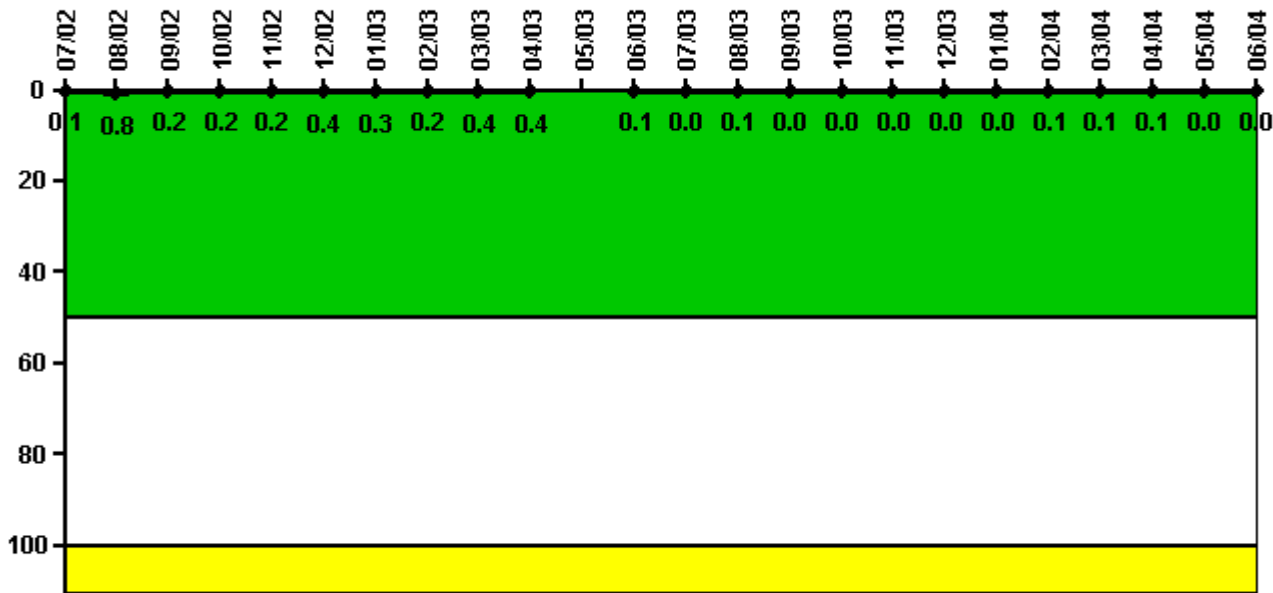
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

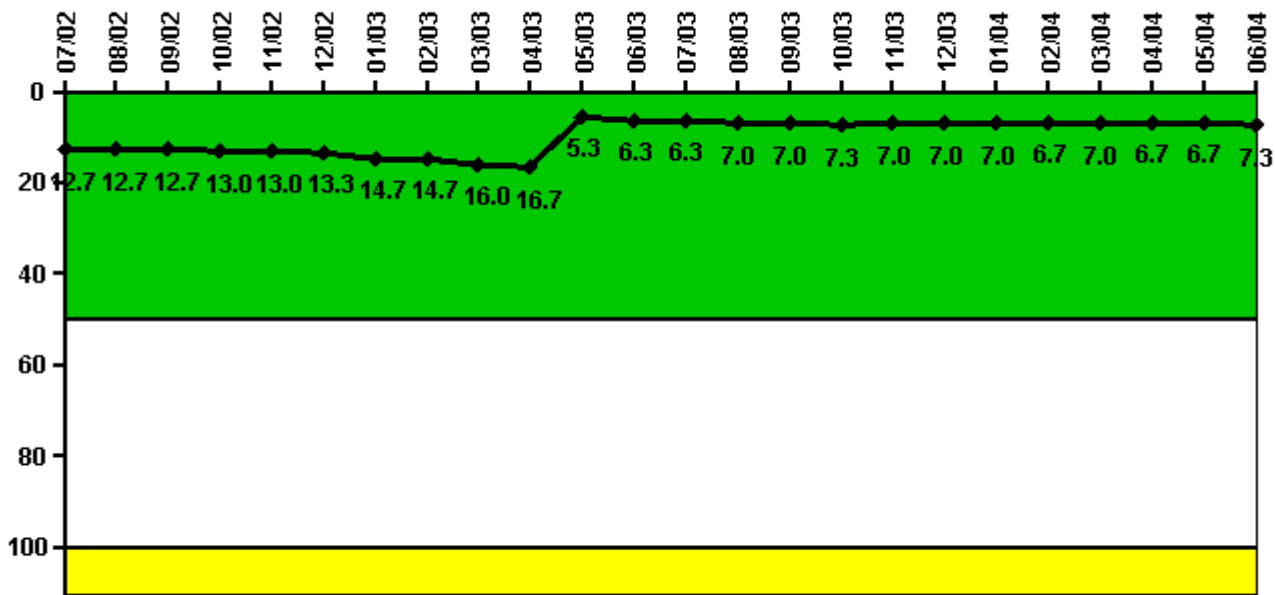
Notes

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	0.000158	0.001530	0.000397	0.000460	0.000438	0.000823	0.000525	0.000497	0.000766	0.000734	N/A	0.000109
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.8	0.2	0.2	0.2	0.4	0.3	0.2	0.4	0.4	N/A	0.1

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	0.000090	0.000124	0.000067	0.000059	0.000066	0.000087	0.000073	0.000112	0.000109	0.000100	0.000098	0.000064
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0.1	0	0	0	0	0	0.1	0.1	0.1	0	0

Licensee Comments: none

Reactor Coolant System Leakage



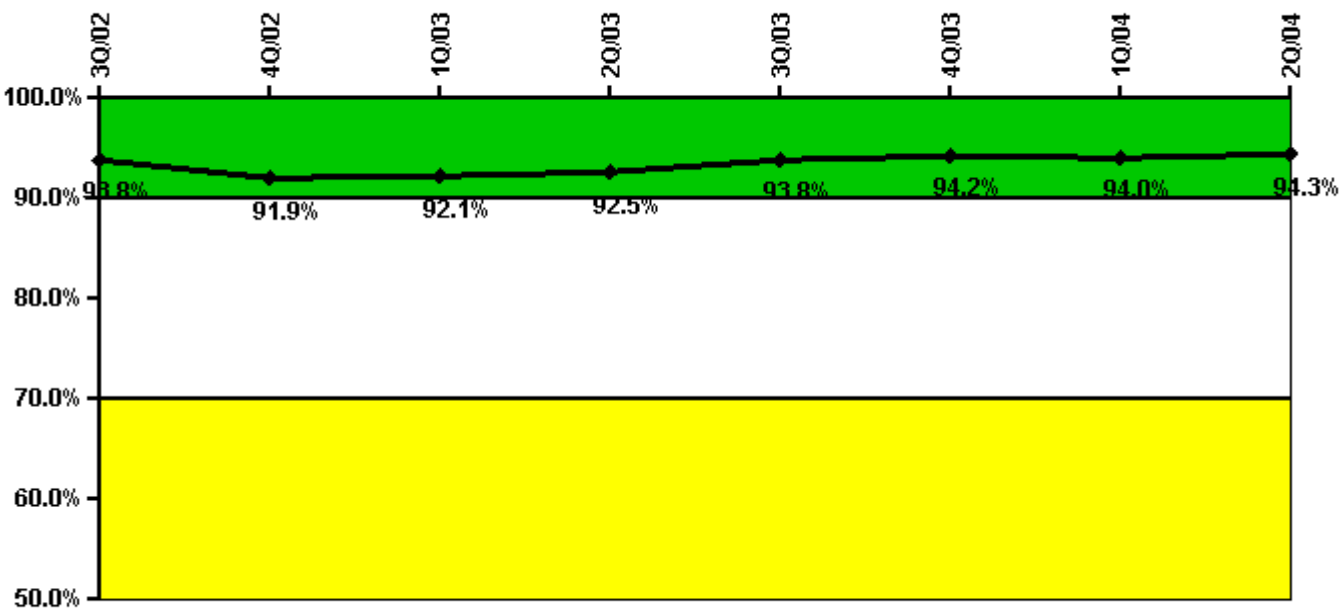
Thresholds: White > 50.0 Yellow > 100.0

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	3.800	3.800	3.800	3.900	3.900	4.000	4.400	4.400	4.800	5.000	1.600	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	12.7	12.7	12.7	13.0	13.0	13.3	14.7	14.7	16.0	16.7	5.3	6.3
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	1.900	2.100	2.100	2.200	2.100	2.100	2.100	2.000	2.100	2.000	2.000	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	7.0	7.0	7.3	7.0	7.0	7.0	6.7	7.0	6.7	6.7	7.3

Licensee Comments: none

Drill/Exercise Performance



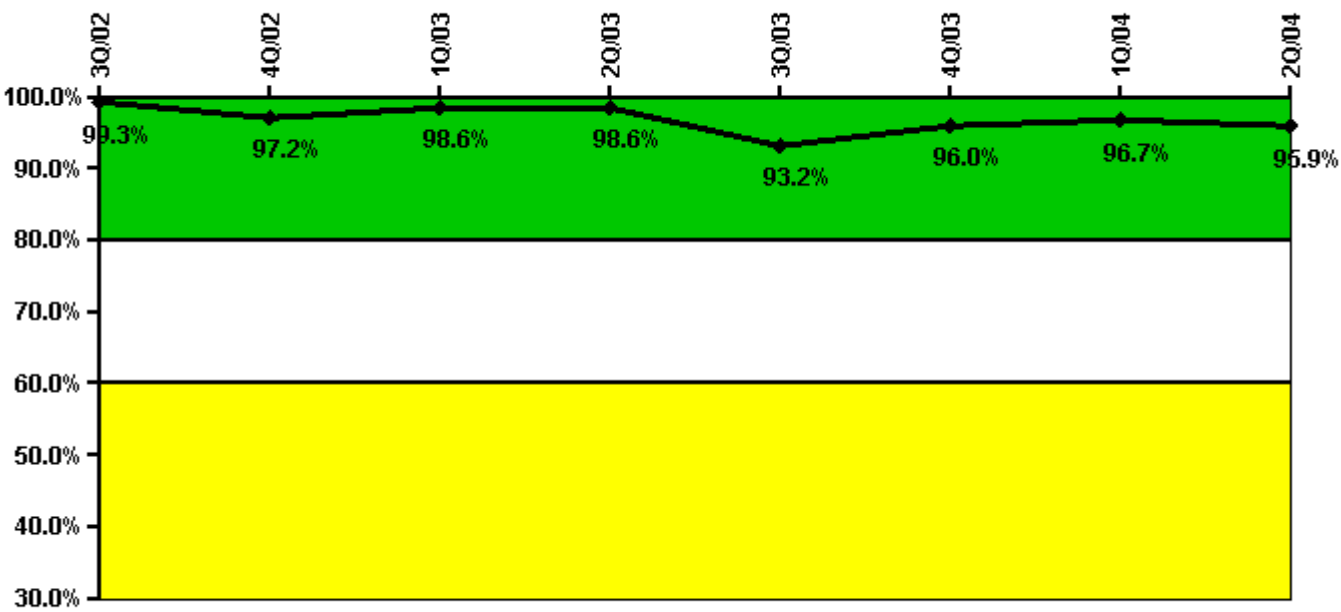
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	16.0	21.0	17.0	10.0	2.0	38.0	14.0	15.0
Total opportunities	18.0	24.0	18.0	11.0	2.0	38.0	14.0	16.0
Indicator value	93.8%	91.9%	92.1%	92.5%	93.8%	94.2%	94.0%	94.3%

Licensee Comments: none

ERO Drill Participation



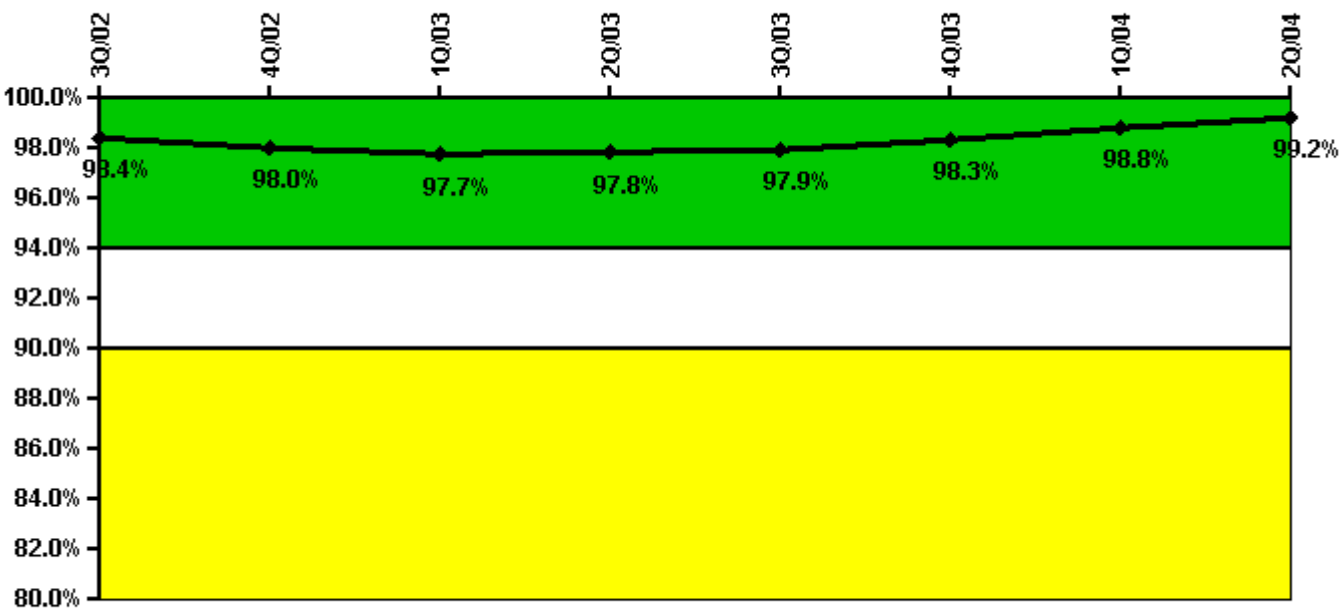
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	144.0	140.0	144.0	137.0	137.0	144.0	146.0	141.0
Total Key personnel	145.0	144.0	146.0	139.0	147.0	150.0	151.0	147.0
Indicator value	99.3%	97.2%	98.6%	98.6%	93.2%	96.0%	96.7%	95.9%

Licensee Comments: none

Alert & Notification System



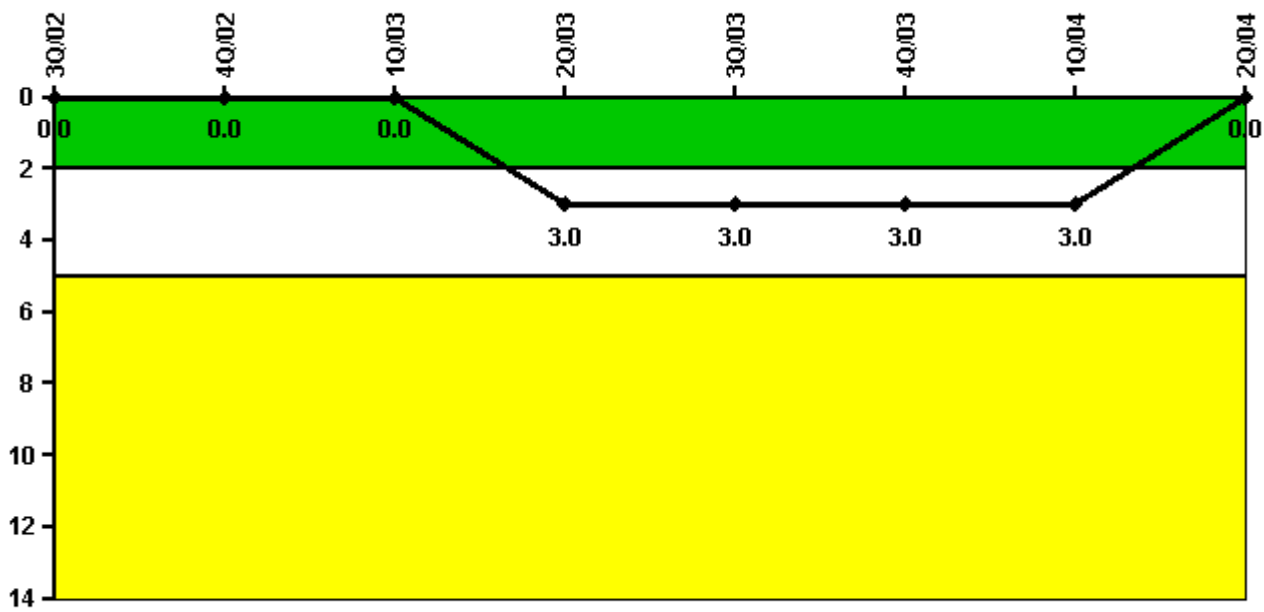
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	596	445	594	520	525	452	530	454
Total sirens-tests	608	456	608	532	532	456	532	456
Indicator value	98.4%	98.0%	97.7%	97.8%	97.9%	98.3%	98.8%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness

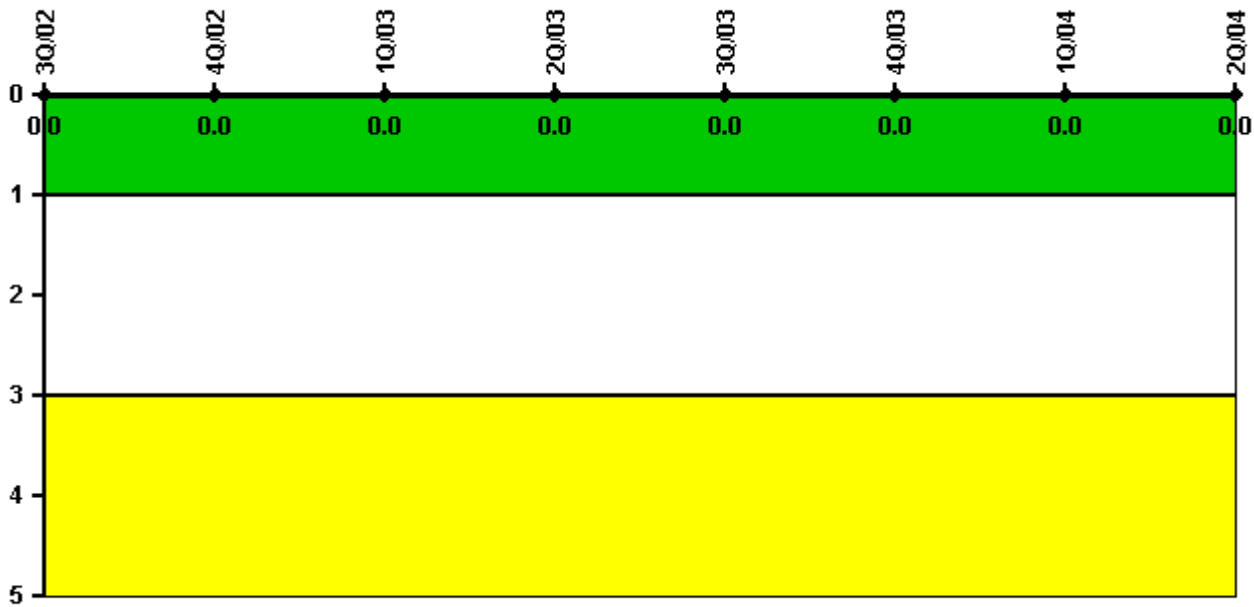


Thresholds: White > 2.0 Yellow > 5.0

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	1	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	2	0	0	0	0
Indicator value	0	0	0	3	3	3	3	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](#)

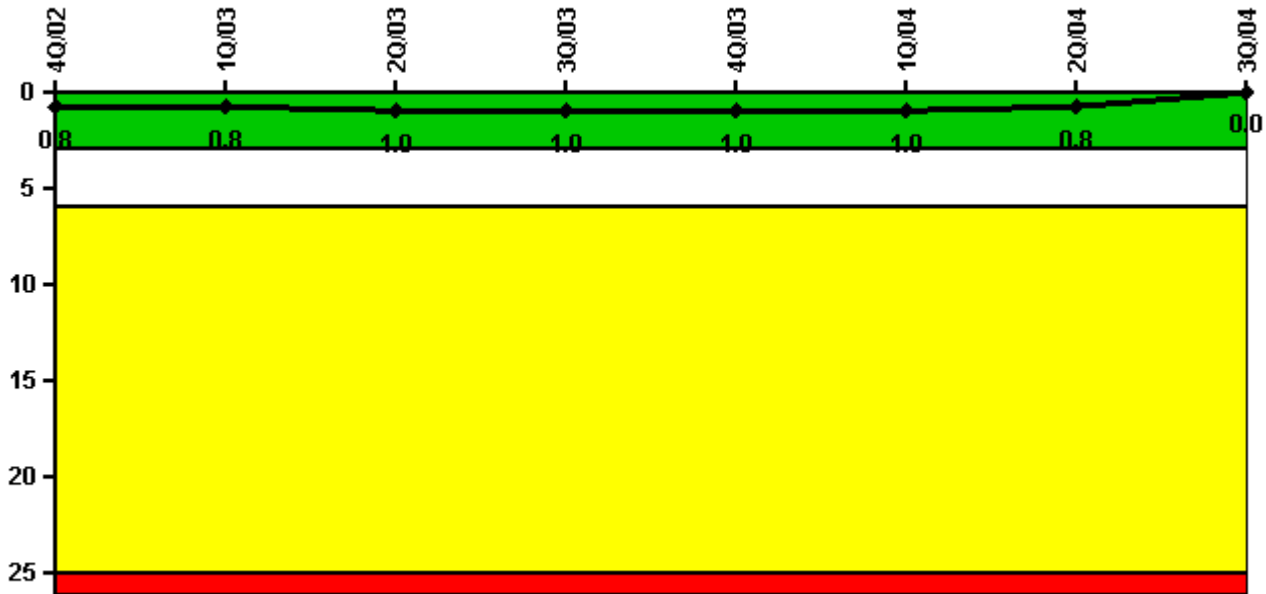
Last Modified: September 8, 2004

Perry 1

3Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



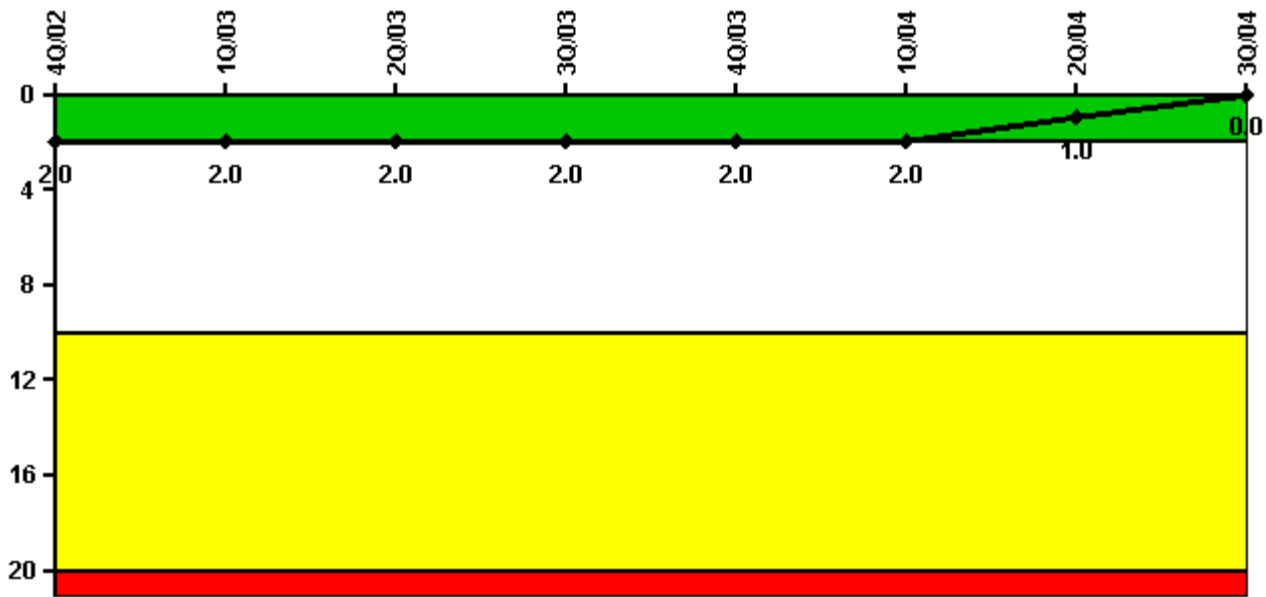
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0
Critical hours	2138.6	2160.0	900.6	2071.6	2209.0	2184.0	1880.7	2208.0
Indicator value	0.8	0.8	1.0	1.0	1.0	1.0	0.8	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



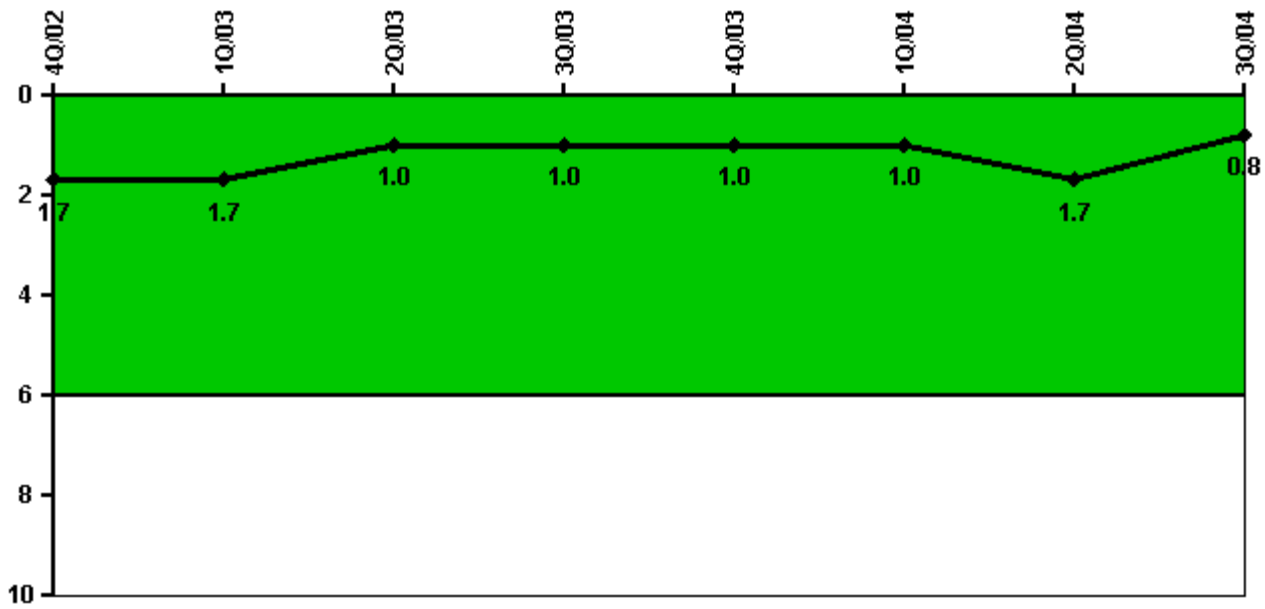
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	2.0	2.0	2.0	2.0	2.0	2.0	1.0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



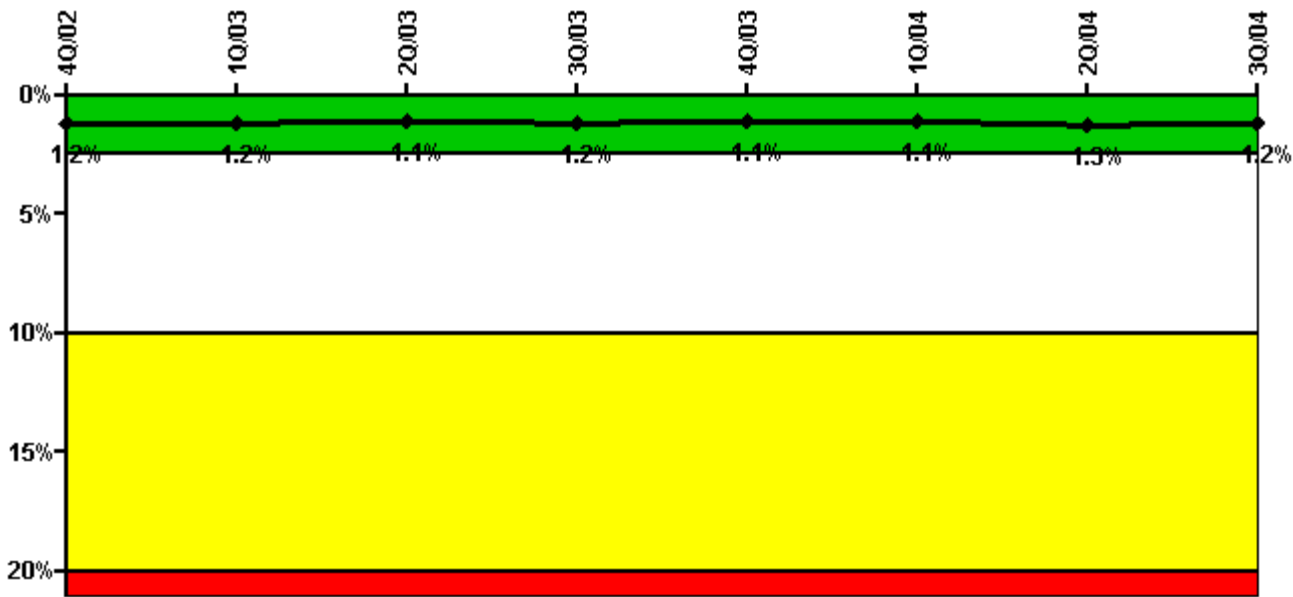
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	1.0	0	0	1.0	0
Critical hours	2138.6	2160.0	900.6	2071.6	2209.0	2184.0	1880.7	2208.0
Indicator value	1.7	1.7	1.0	1.0	1.0	1.0	1.7	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



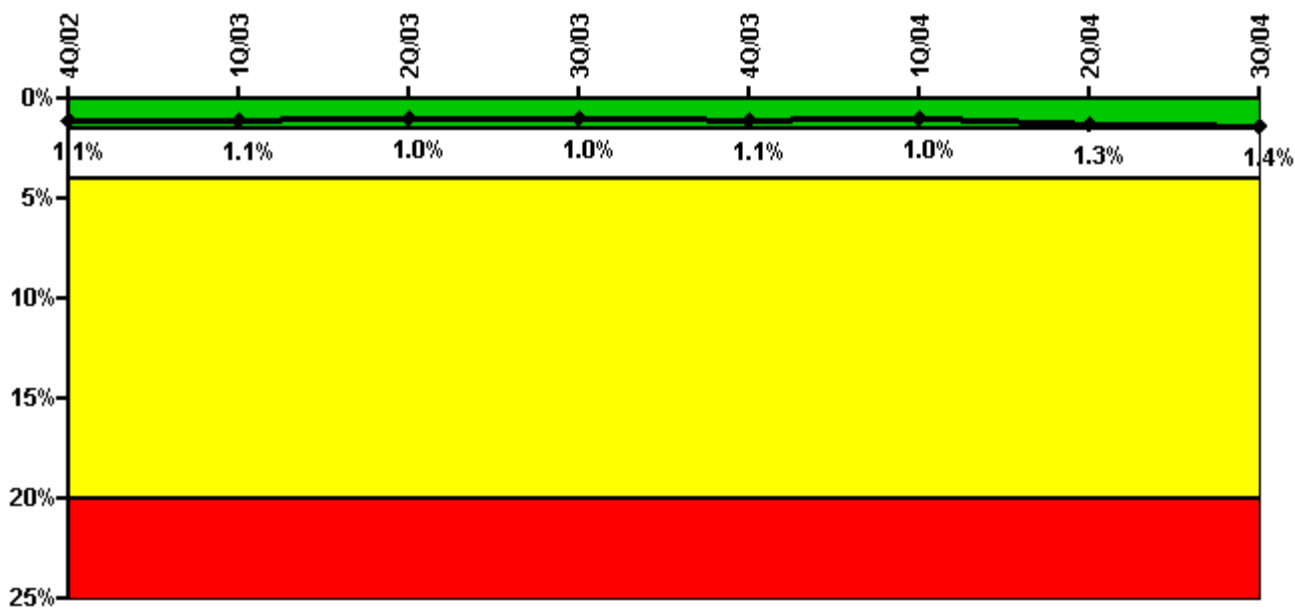
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	5.05	23.02	2.47	6.71	36.21	20.15	6.92	7.98
Unplanned unavailable hours	0	0	0	96.17	0	0	52.48	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	23.47	6.13	3.84	38.04	9.98	8.57	5.77	30.68
Unplanned unavailable hours	45.82	0.17	0	44.07	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 3								
Planned unavailable hours	12.30	30.38	3.65	2.77	29.87	1.33	126.36	8.18
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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	1.2%	1.2%	1.1%	1.2%	1.1%	1.1%	1.3%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



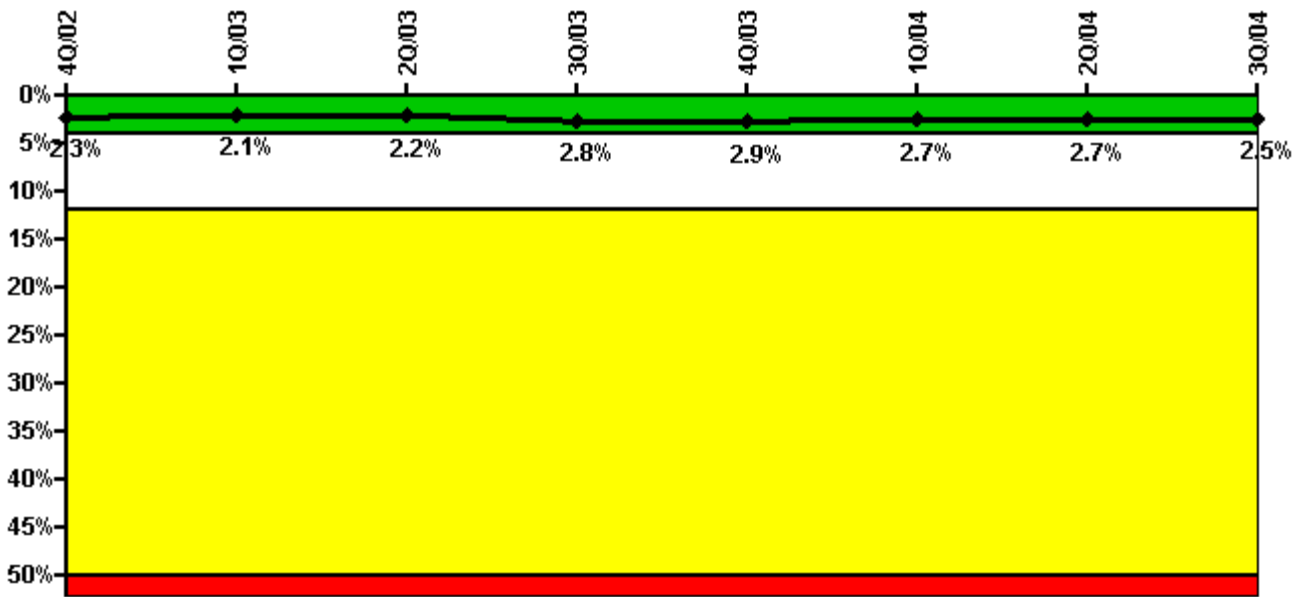
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	1.20	16.83	2.22	3.45	25.14	0.85	108.30	13.53
Unplanned unavailable hours	7.73	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	2138.60	2160.00	900.60	2071.60	2209.00	2184.00	1880.70	2208.00
Indicator value	1.1%	1.1%	1.0%	1.0%	1.1%	1.0%	1.3%	1.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



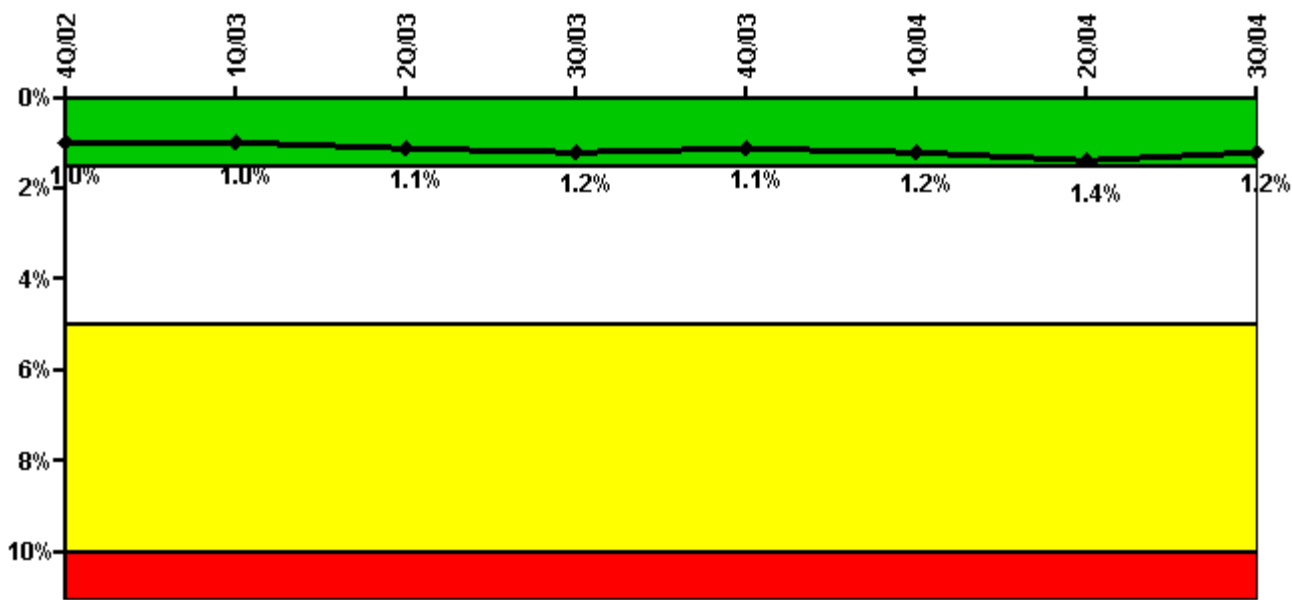
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	19.29	33.05	34.05	60.61	55.94	21.65	2.76	20.36
Unplanned unavailable hours	0	0	0	119.05	0	0	46.28	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	2138.60	2160.00	900.60	2071.60	2209.00	2184.00	1880.70	2208.00
Indicator value	2.3%	2.1%	2.2%	2.8%	2.9%	2.7%	2.7%	2.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



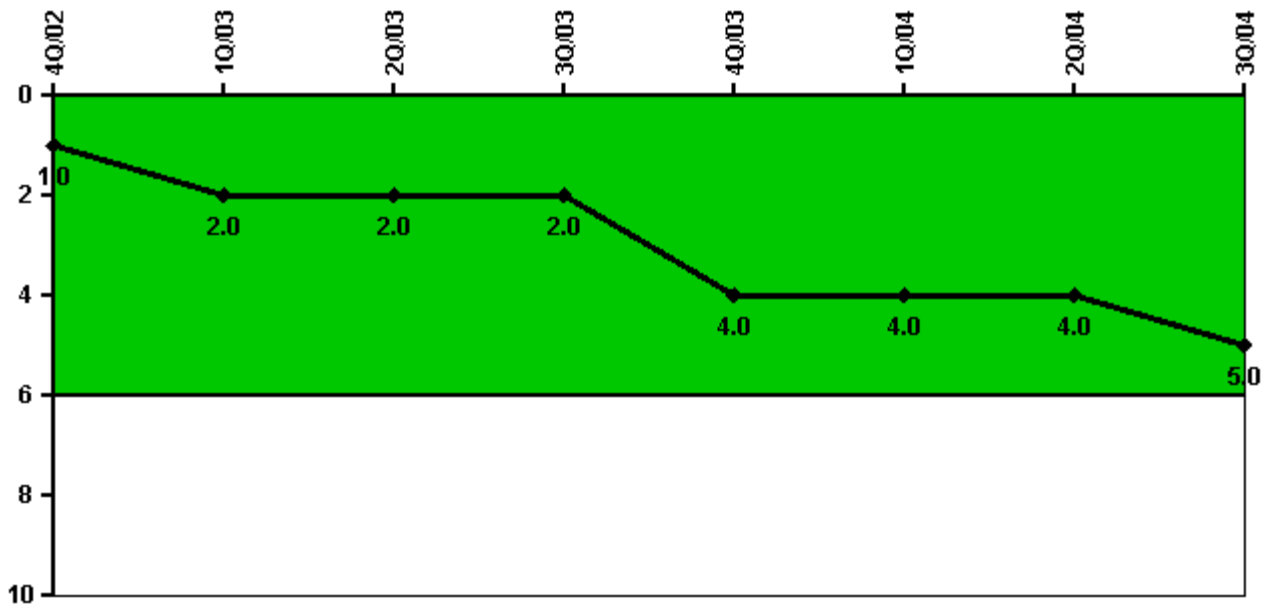
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	37.72	30.08	5.98	52.97	19.50	2.05	3.75
Unplanned unavailable hours	0	0	0	116.59	0	0	108.95	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	75.35	3.59	2.13	34.13	1.22	0.67	0	1.15
Unplanned unavailable hours	0	0.17	0	0.07	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	1.0%	1.0%	1.1%	1.2%	1.1%	1.2%	1.4%	1.2%

Licensee Comments: none

Safety System Functional Failures (BWR)



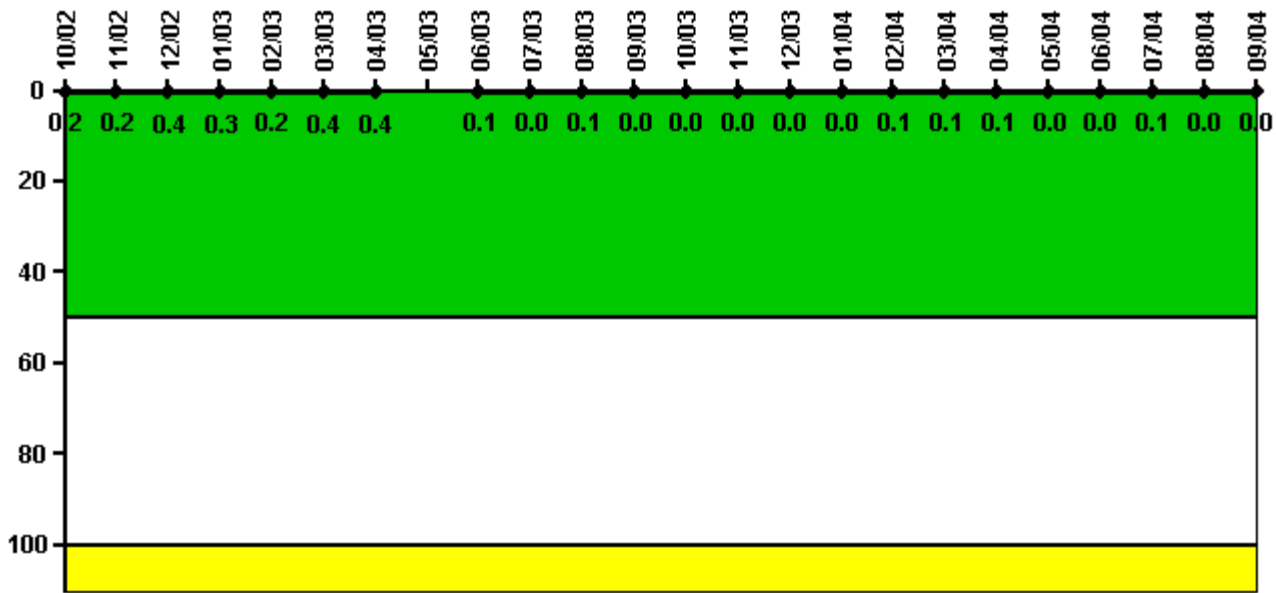
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	1	1	0	0	3	1	0	1
Indicator value	1	2	2	2	4	4	4	5

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

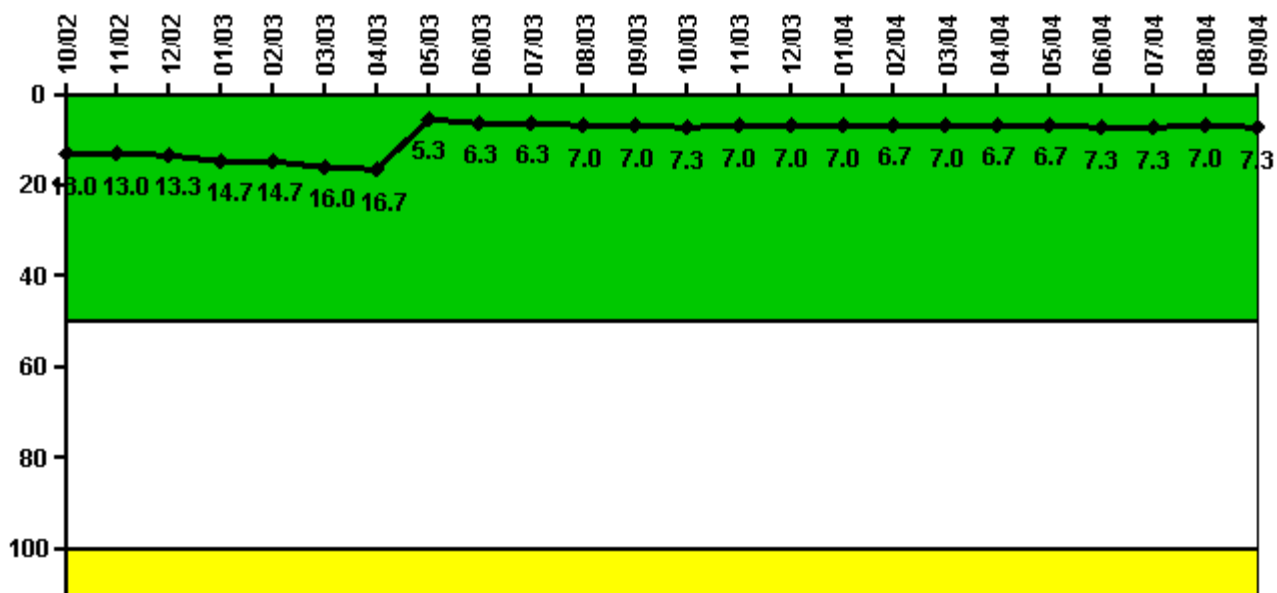
Notes

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	0.000460	0.000438	0.000823	0.000525	0.000497	0.000766	0.000734	N/A	0.000109	0.000090	0.000124	0.000067
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.4	0.3	0.2	0.4	0.4	N/A	0.1	0	0.1	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	0.000059	0.000066	0.000087	0.000073	0.000112	0.000109	0.000100	0.000098	0.000064	0.000119	0.000079	0.000079
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0.1	0.1	0.1	0	0	0.1	0	0

Licensee Comments: none

Reactor Coolant System Leakage



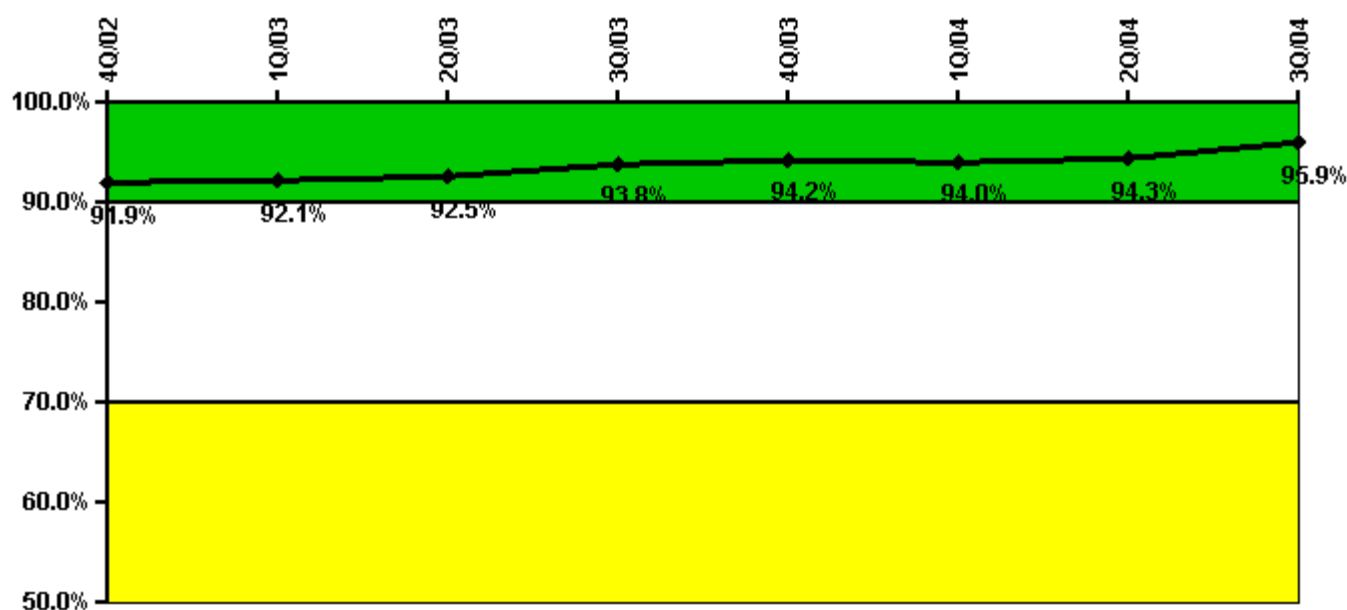
Thresholds: White > 50.0 Yellow > 100.0

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	3.900	3.900	4.000	4.400	4.400	4.800	5.000	1.600	1.900	1.900	2.100	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	13.0	13.0	13.3	14.7	14.7	16.0	16.7	5.3	6.3	6.3	7.0	7.0
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	2.200	2.100	2.100	2.100	2.000	2.100	2.000	2.000	2.200	2.200	2.100	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.0	7.0	7.0	6.7	7.0	6.7	6.7	7.3	7.3	7.0	7.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

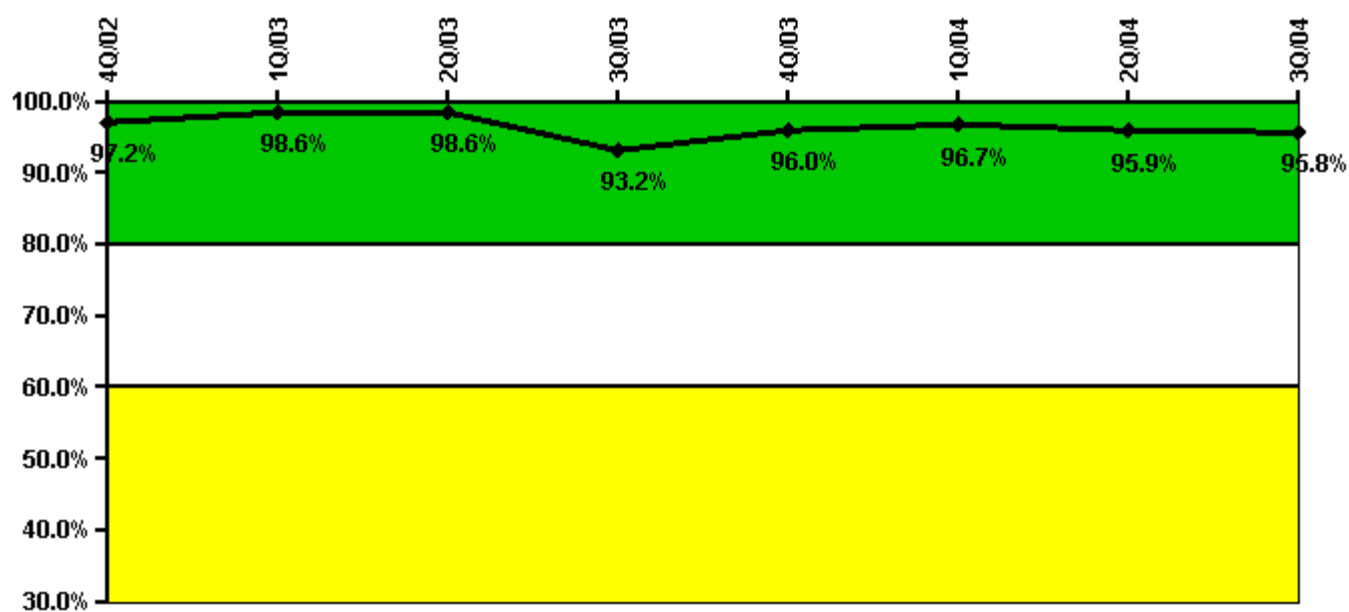
Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	21.0	17.0	9.0	2.0	38.0	14.0	15.0	24.0
Total opportunities	24.0	18.0	10.0	2.0	38.0	14.0	16.0	24.0
Indicator value	91.9%	92.1%	92.5%	93.8%	94.2%	94.0%	94.3%	95.9%

Licensee Comments:

3Q/04: Data Correction: DEP data for Q2 2003 was corrected to remove an opportunity from an actual event that occurred in April 2003. Due to the transient nature of the event, no notification opportunity should have been counted. The data was changed to reflect 0/1 opportunities correct, rather than 1/2. This change does not affect the indicator color.

2Q/03: 10/2004: Data for 2003-04 revised from 1 successful out of 2 opportunities to 0 successful out of 1 opportunity. See comment for 2004Q3.

ERO Drill Participation



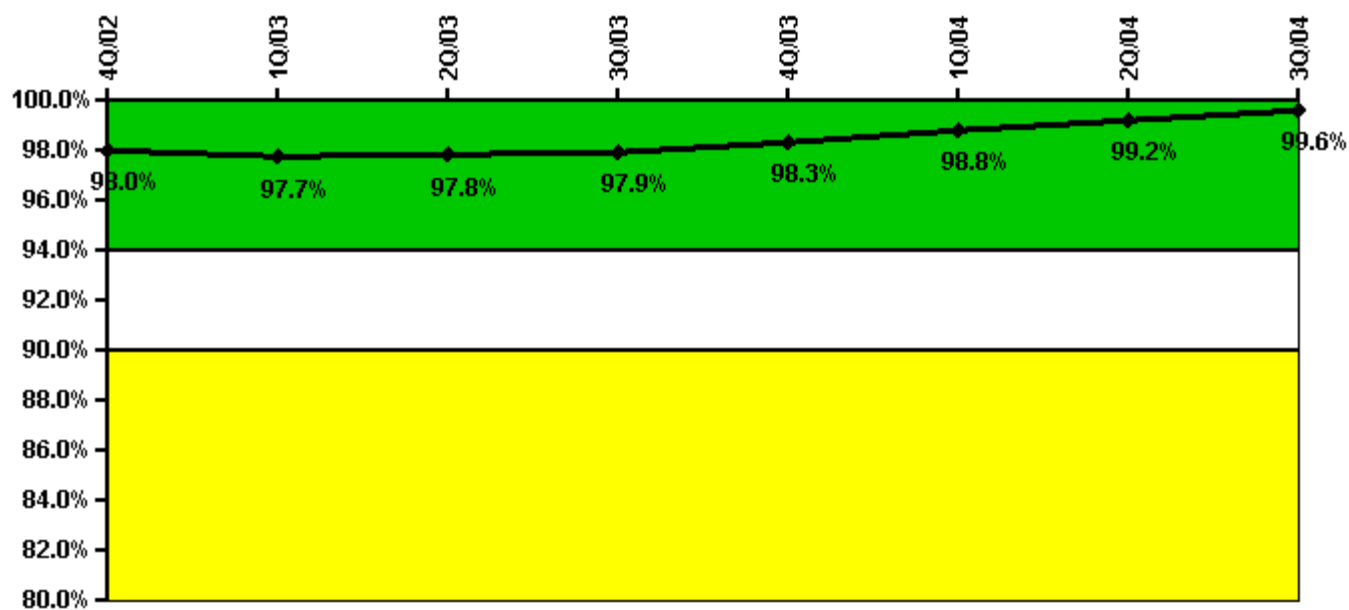
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	140.0	144.0	137.0	137.0	144.0	146.0	141.0	137.0
Total Key personnel	144.0	146.0	139.0	147.0	150.0	151.0	147.0	143.0
Indicator value	97.2%	98.6%	98.6%	93.2%	96.0%	96.7%	95.9%	95.8%

Licensee Comments: none

Alert & Notification System



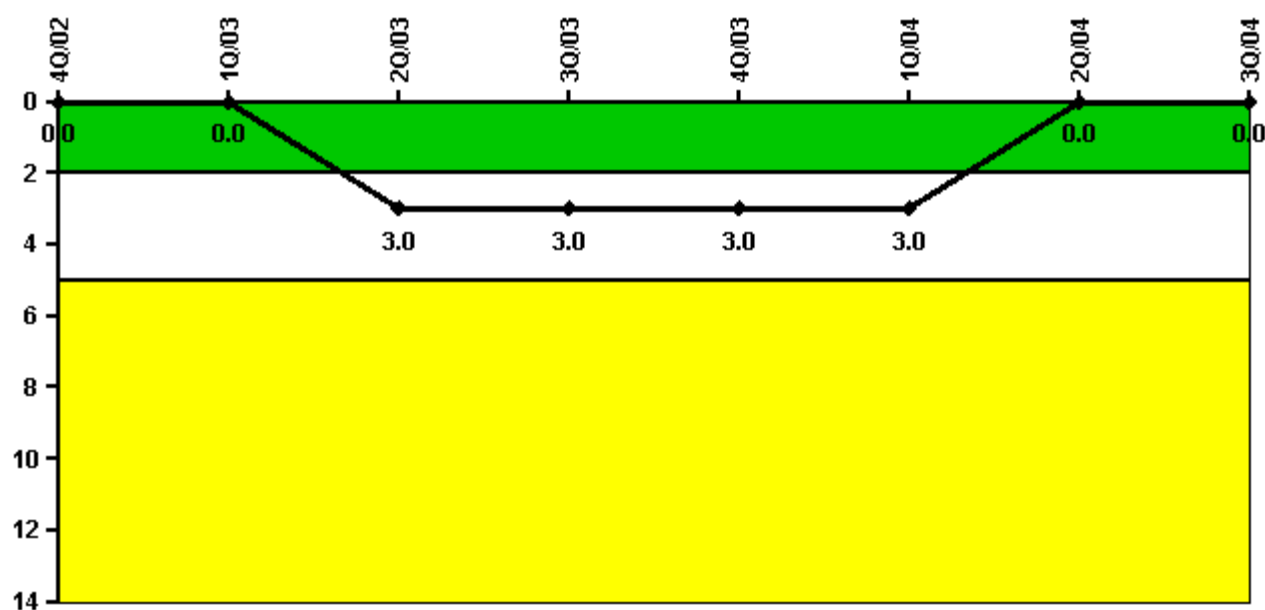
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	445	594	520	525	452	530	454	532
Total sirens-tests	456	608	532	532	456	532	456	532
Indicator value	98.0%	97.7%	97.8%	97.9%	98.3%	98.8%	99.2%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness

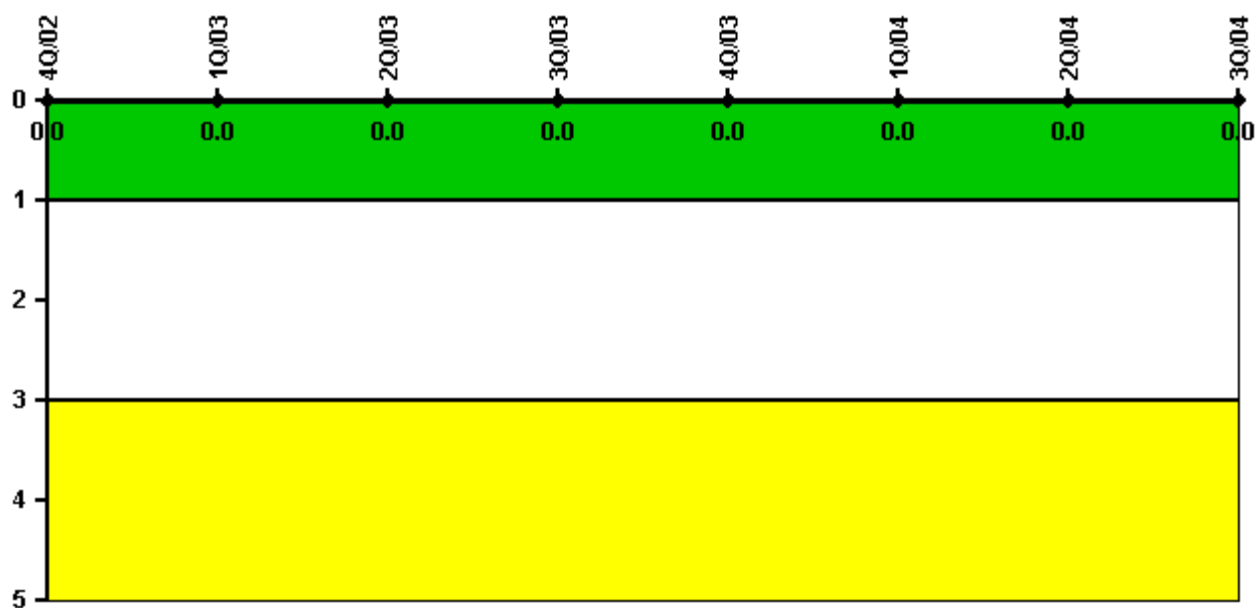


Thresholds: White > 2.0 Yellow > 5.0

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	1	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	2	0	0	0	0	0
Indicator value	0	0	3	3	3	3	0	0

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

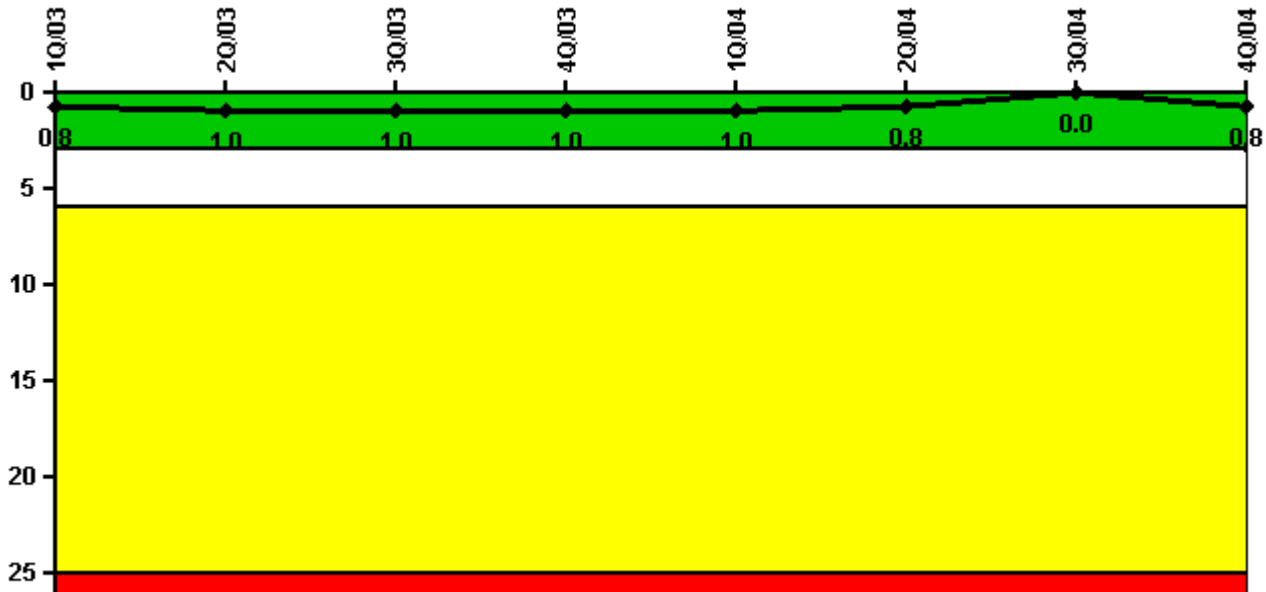
[Physical Protection](#) information not publicly available.

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4Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



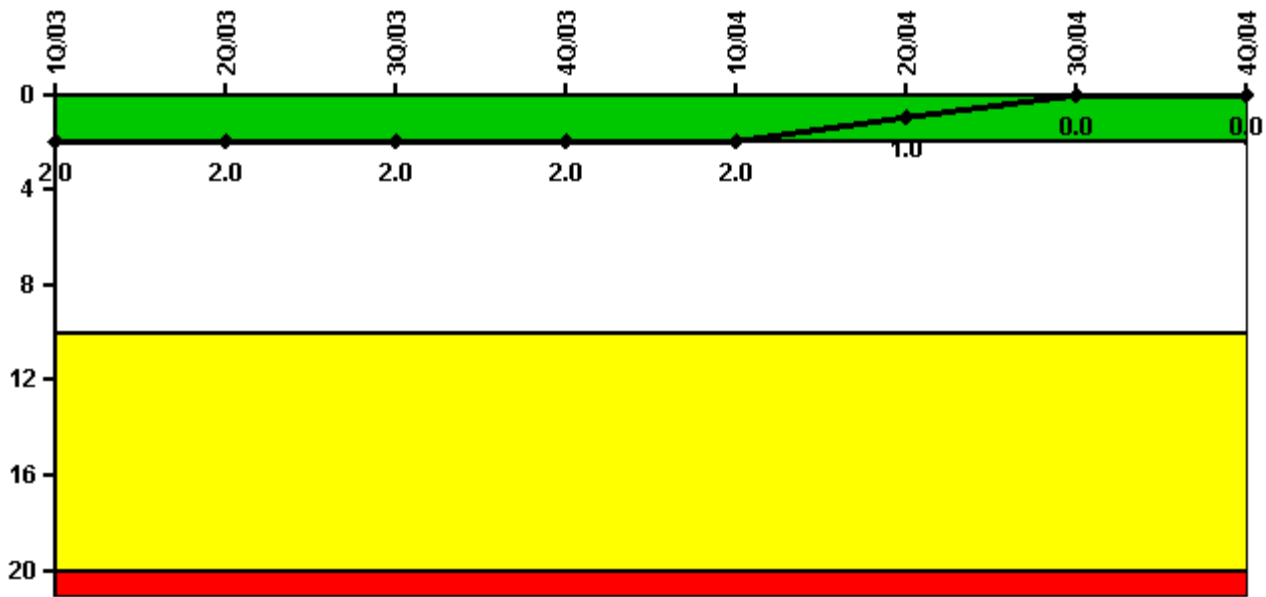
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	1.0
Critical hours	2160.0	900.6	2071.6	2209.0	2184.0	1880.7	2208.0	2152.0
Indicator value	0.8	1.0	1.0	1.0	1.0	0.8	0	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



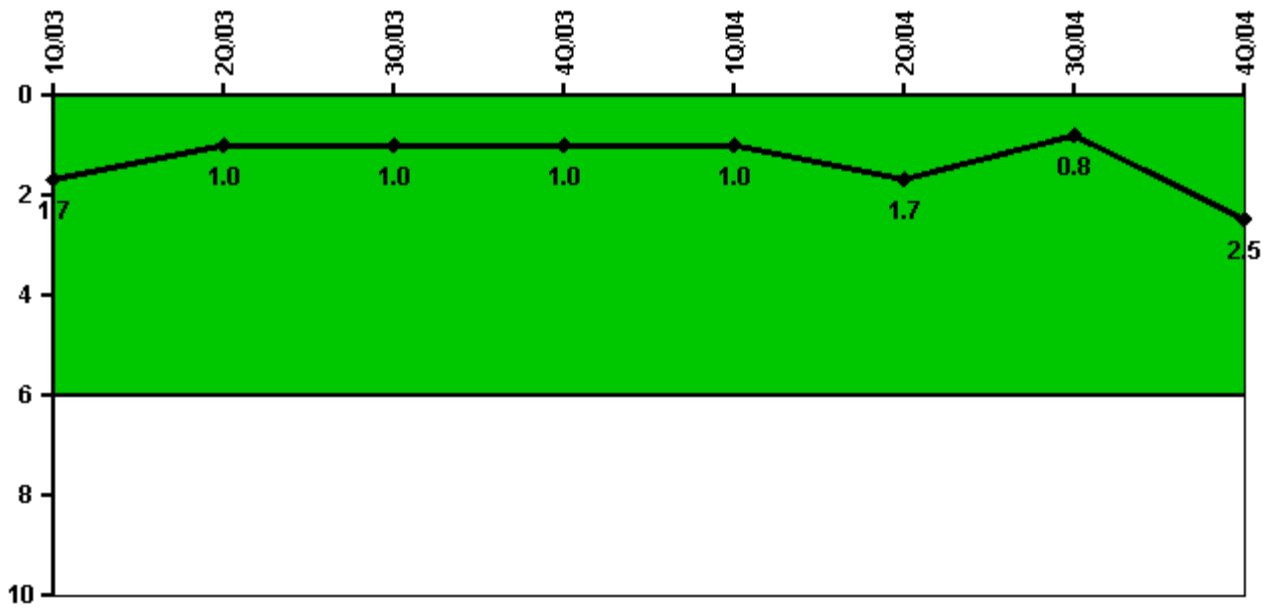
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	2.0	2.0	2.0	2.0	2.0	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



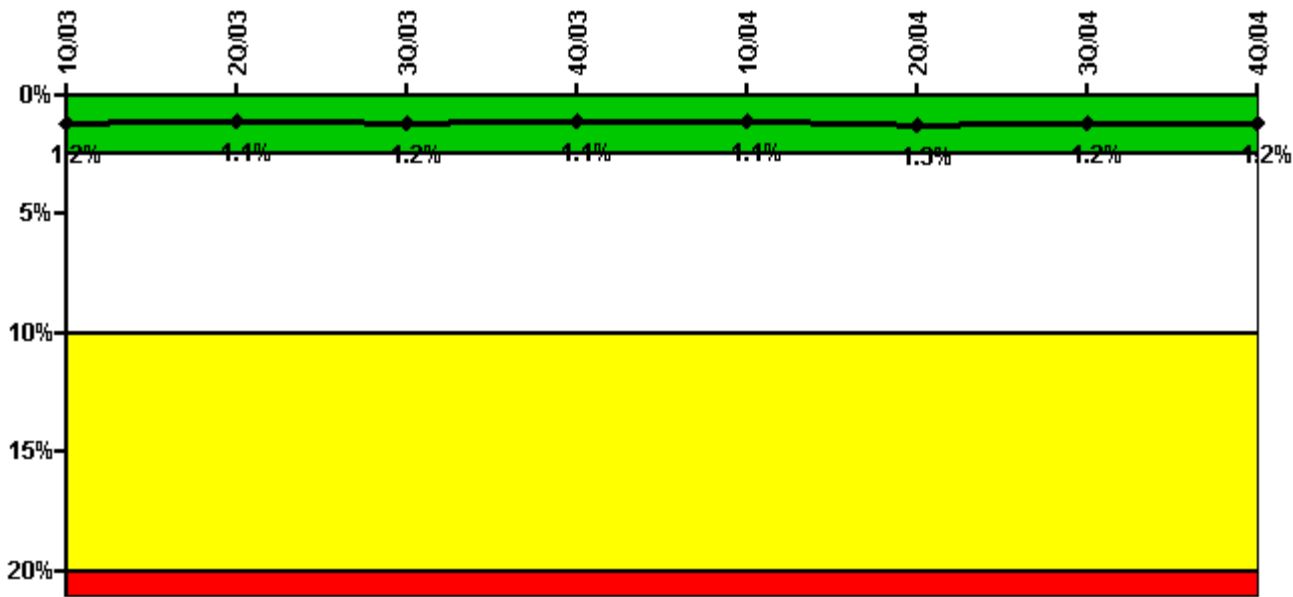
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	1.0	0	0	1.0	0	2.0
Critical hours	2160.0	900.6	2071.6	2209.0	2184.0	1880.7	2208.0	2152.0
Indicator value	1.7	1.0	1.0	1.0	1.0	1.7	0.8	2.5

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



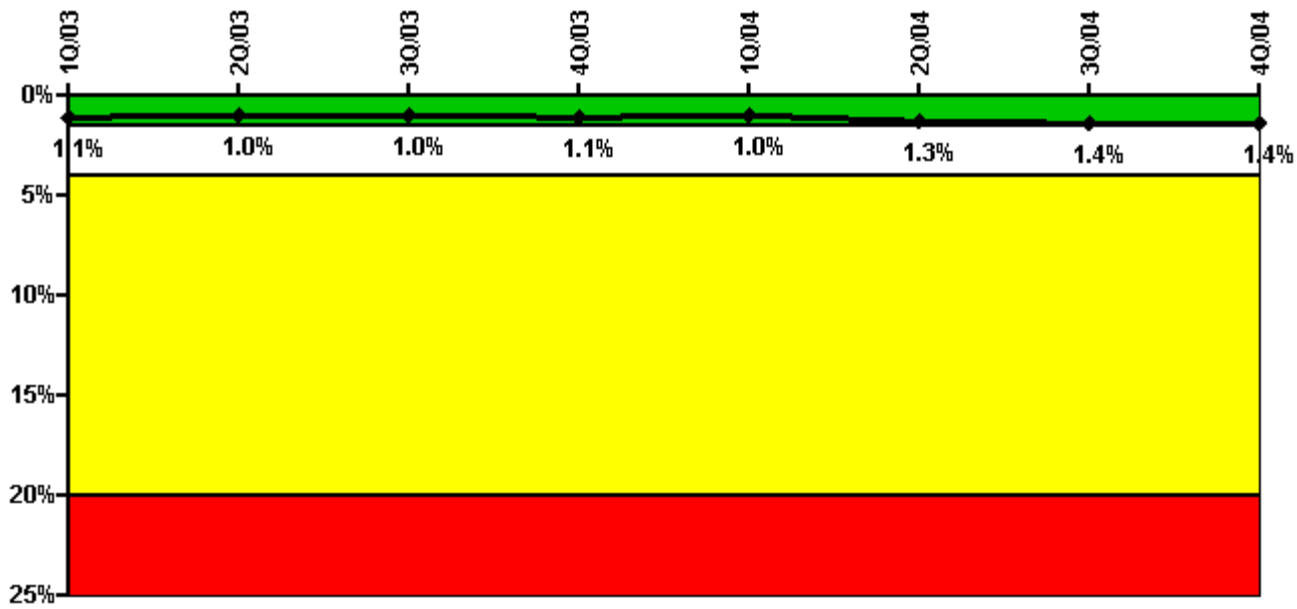
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

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	23.02	2.47	6.71	36.21	20.15	6.92	7.98	54.19
Unplanned unavailable hours	0	0	96.17	0	0	52.48	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	6.13	3.84	38.04	9.98	8.57	5.77	30.68	8.83
Unplanned unavailable hours	0.17	0	44.07	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 3								
Planned unavailable hours	30.38	3.65	2.77	29.87	1.33	126.36	8.18	2.36
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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	1.2%	1.1%	1.2%	1.1%	1.1%	1.3%	1.2%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



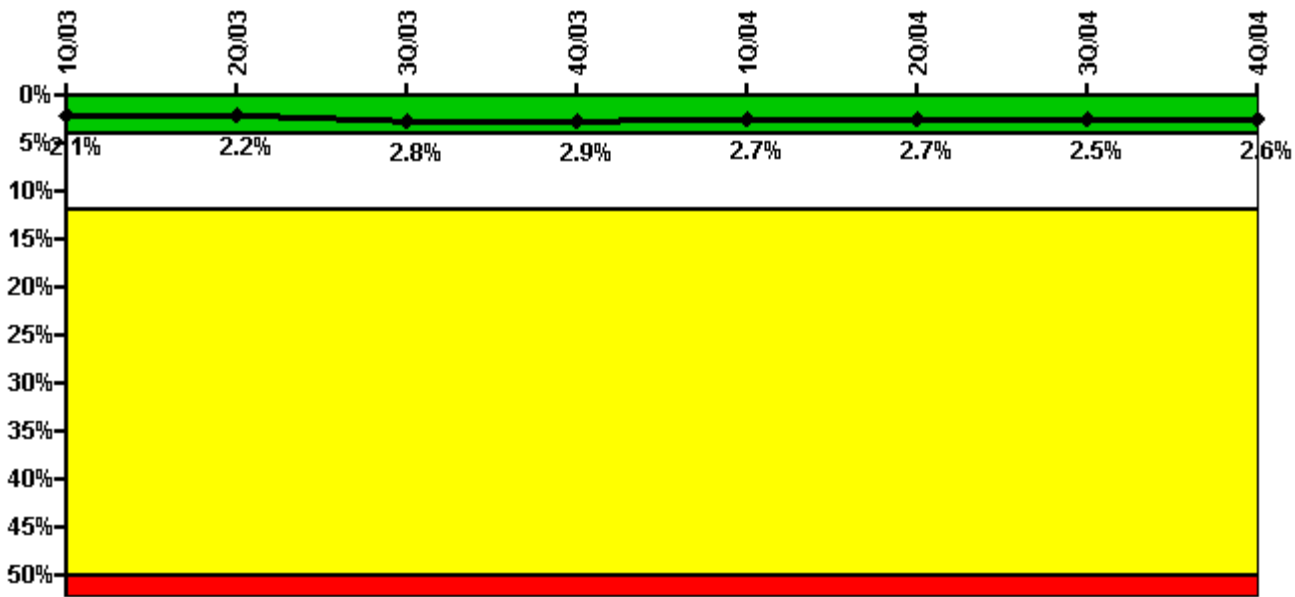
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	16.83	2.22	3.45	25.14	0.85	108.30	13.53	2.18
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	900.60	2071.60	2209.00	2184.00	1880.70	2208.00	2151.98
Indicator value	1.1%	1.0%	1.0%	1.1%	1.0%	1.3%	1.4%	1.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



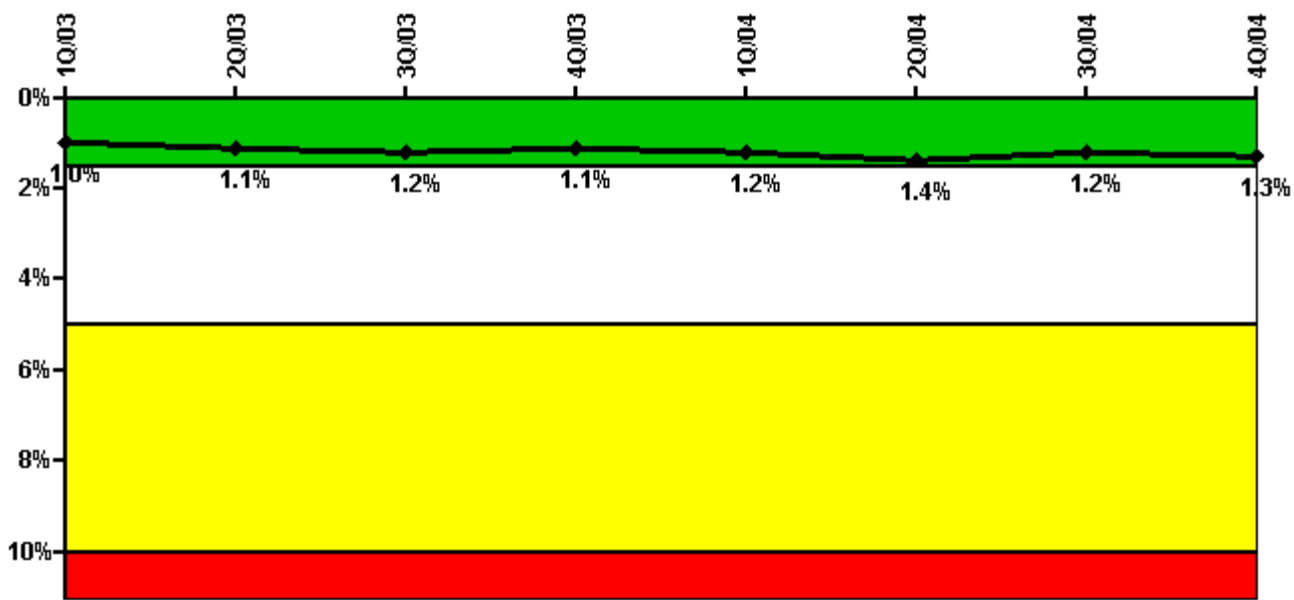
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	33.05	34.05	60.61	55.94	21.65	2.76	20.36	32.36
Unplanned unavailable hours	0	0	119.05	0	0	46.28	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	900.60	2071.60	2209.00	2184.00	1880.70	2208.00	2151.98
Indicator value	2.1%	2.2%	2.8%	2.9%	2.7%	2.7%	2.5%	2.6%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



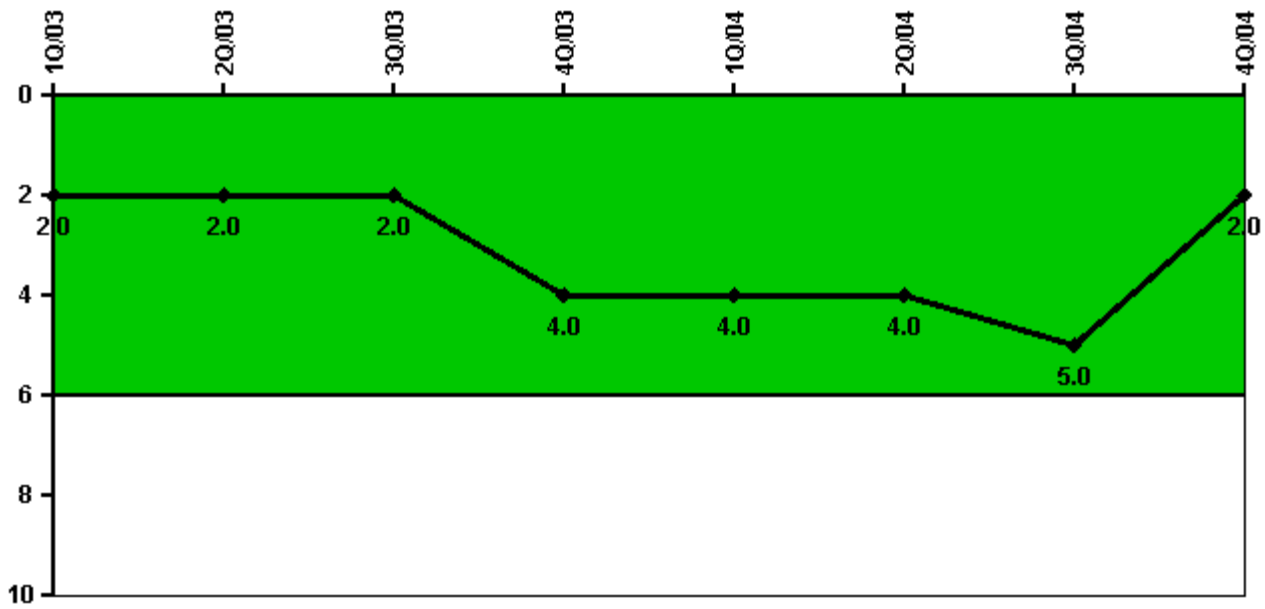
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	37.72	30.08	5.98	52.97	19.50	2.05	3.75	29.10
Unplanned unavailable hours	0	0	116.59	0	0	108.95	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	3.59	2.13	34.13	1.22	0.67	0	1.15	41.67
Unplanned unavailable hours	0.17	0	0.07	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	1.0%	1.1%	1.2%	1.1%	1.2%	1.4%	1.2%	1.3%

Licensee Comments: none

Safety System Functional Failures (BWR)



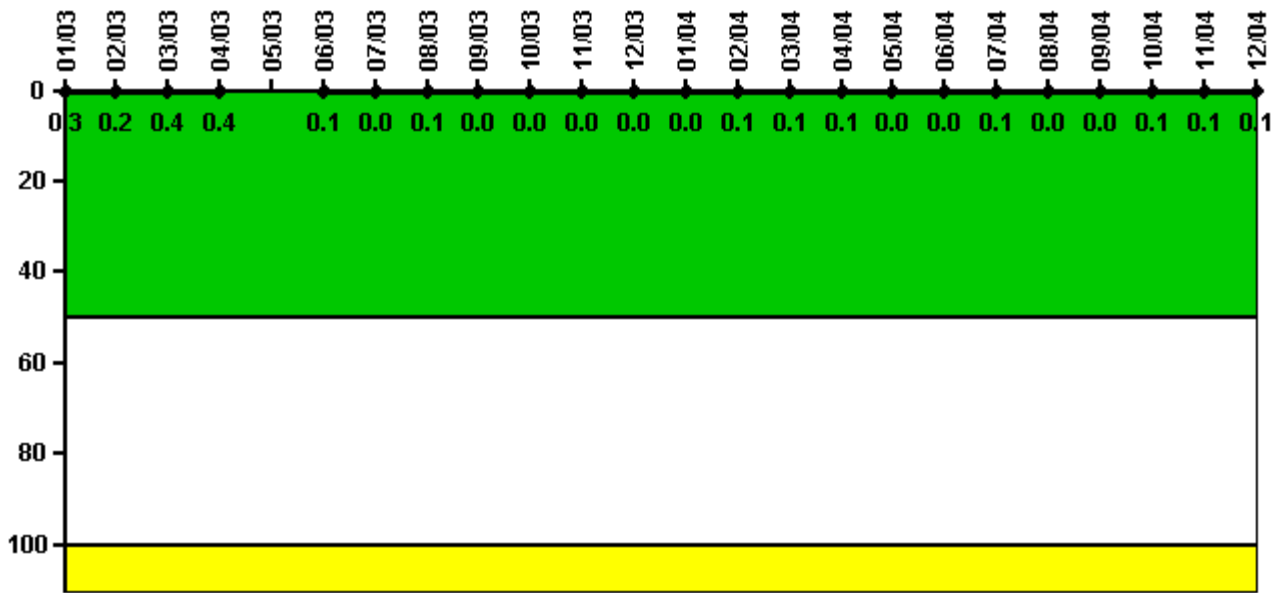
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Safety System Functional Failures	1	0	0	3	1	0	1	0
Indicator value	2	2	2	4	4	4	5	2

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

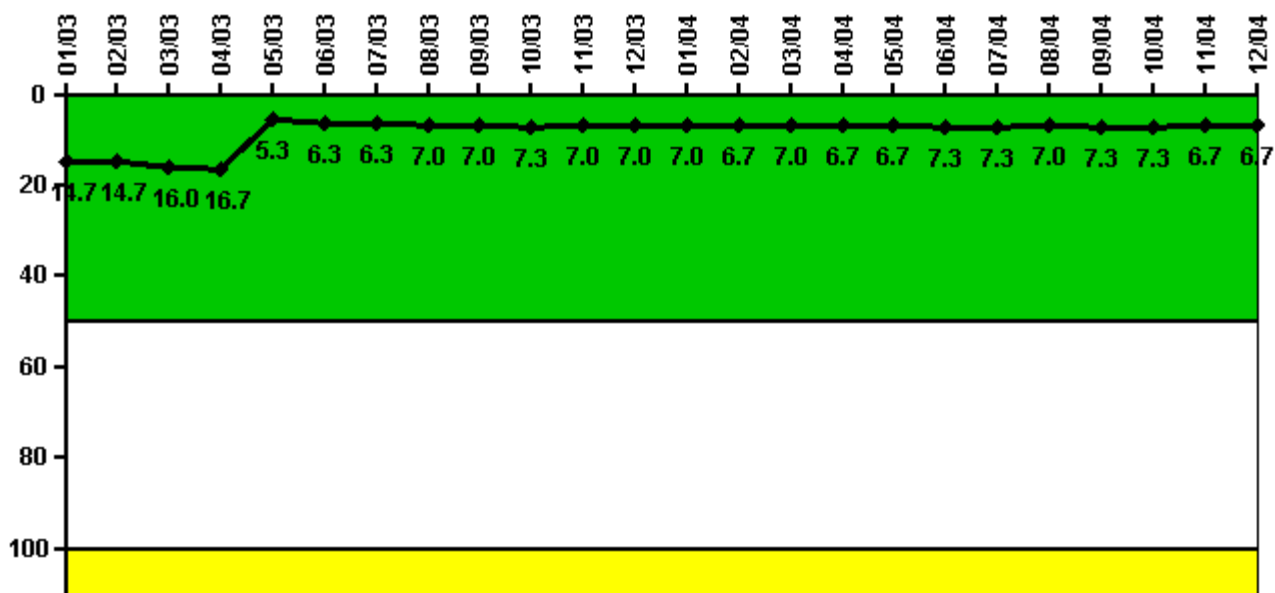
Notes

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	0.000525	0.000497	0.000766	0.000734	N/A	0.000109	0.000090	0.000124	0.000067	0.000059	0.000066	0.000087
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.3	0.2	0.4	0.4	N/A	0.1	0	0.1	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	0.000073	0.000112	0.000109	0.000100	0.000098	0.000064	0.000119	0.000079	0.000079	0.000115	0.000140	0.000134
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0.1	0.1	0.1	0	0	0.1	0	0	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



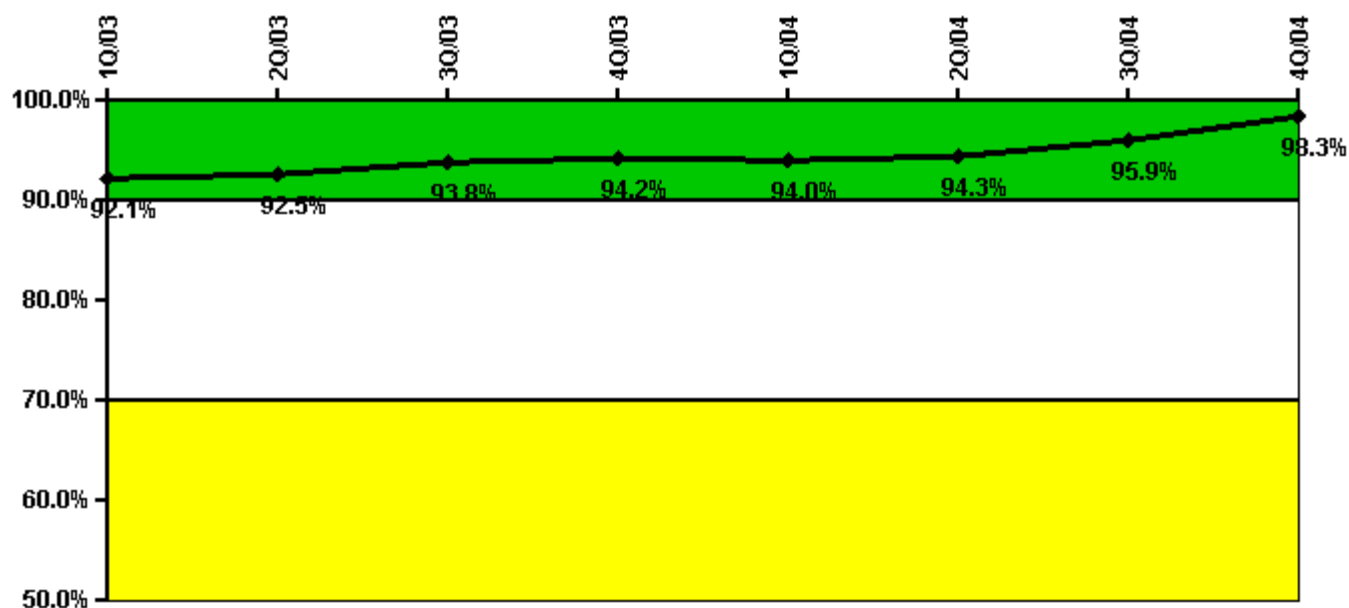
Thresholds: White > 50.0 Yellow > 100.0

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	4.400	4.400	4.800	5.000	1.600	1.900	1.900	2.100	2.100	2.200	2.100	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	14.7	14.7	16.0	16.7	5.3	6.3	6.3	7.0	7.0	7.3	7.0	7.0
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	2.100	2.000	2.100	2.000	2.000	2.200	2.200	2.100	2.200	2.200	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	6.7	7.0	6.7	6.7	7.3	7.3	7.0	7.3	7.3	6.7	6.7

Licensee Comments: none

Drill/Exercise Performance



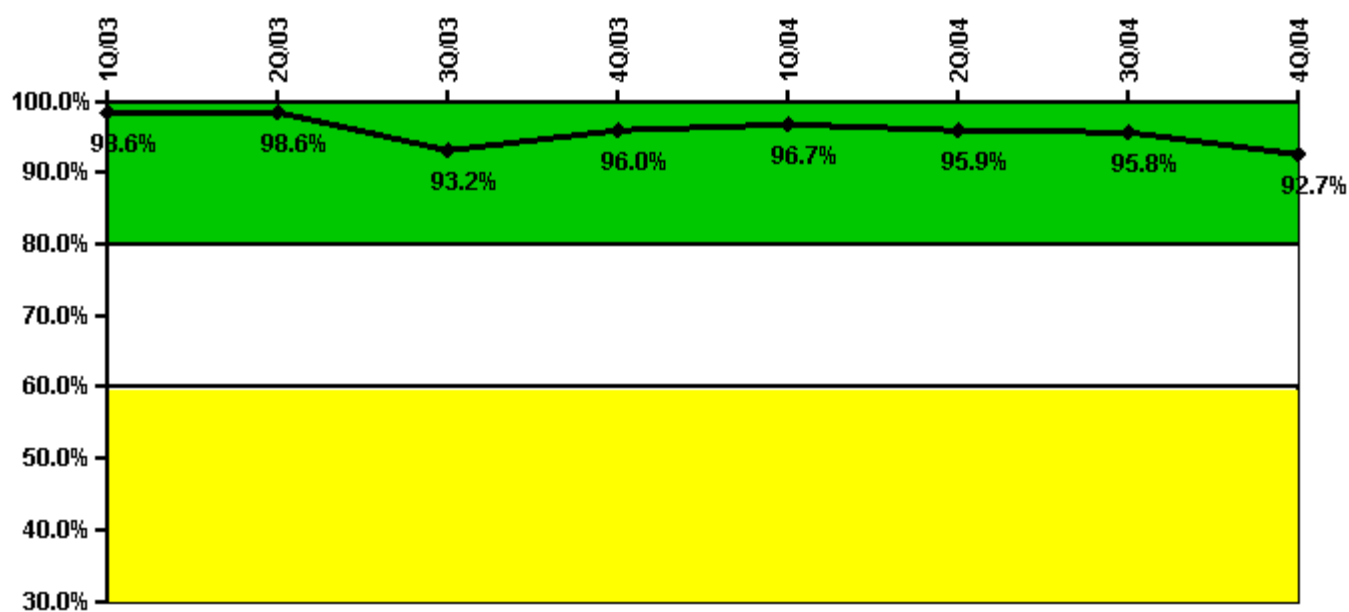
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	17.0	9.0	2.0	38.0	14.0	15.0	24.0	50.0
Total opportunities	18.0	10.0	2.0	38.0	14.0	16.0	24.0	50.0
Indicator value	92.1%	92.5%	93.8%	94.2%	94.0%	94.3%	95.9%	98.3%

Licensee Comments: none

ERO Drill Participation



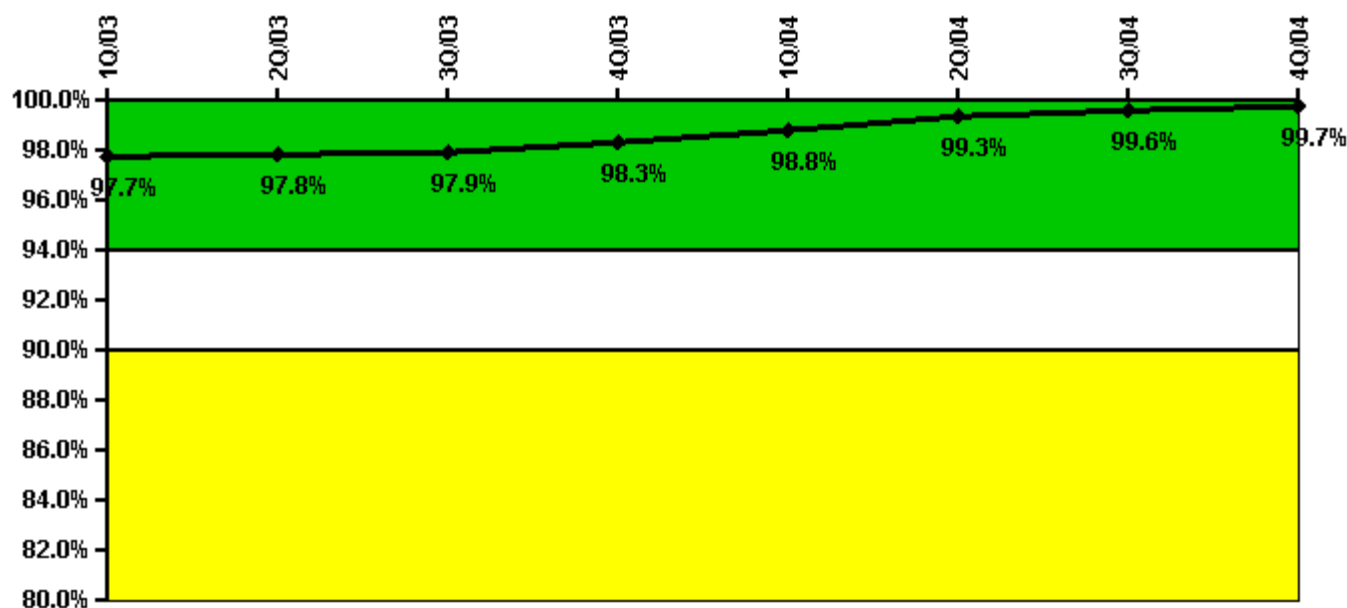
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	144.0	137.0	137.0	144.0	146.0	141.0	137.0	127.0
Total Key personnel	146.0	139.0	147.0	150.0	151.0	147.0	143.0	137.0
Indicator value	98.6%	98.6%	93.2%	96.0%	96.7%	95.9%	95.8%	92.7%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

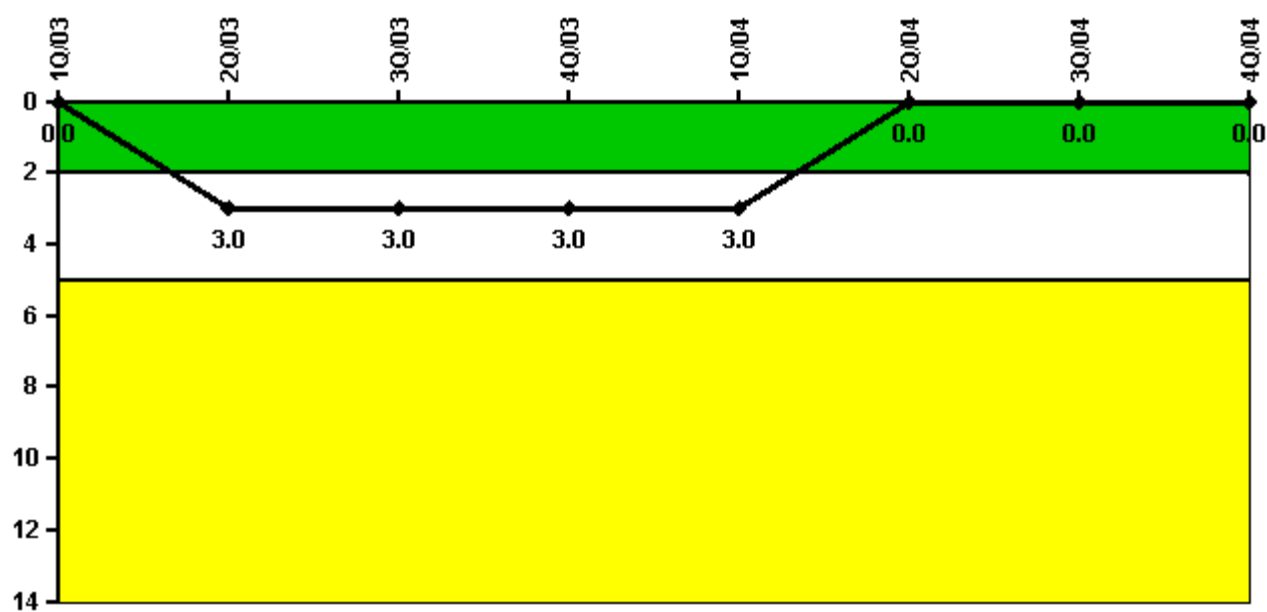
Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	594	520	525	452	530	530	532	529
Total sirens-tests	608	532	532	456	532	532	532	532
Indicator value	97.7%	97.8%	97.9%	98.3%	98.8%	99.3%	99.6%	99.7%

Licensee Comments:

4Q/04: Data Correction: ANS data for Q2 2004 (April) was corrected to include siren tests that were performed but inadvertently not reported. The data for April was changed to reflect 227/228 successful tests from 151/152 successful tests. This change does not affect the indicator color.

2Q/04: Data correction: In 12/04, the siren data for 04/04 was corrected to include siren tests that were inadvertently not reported. Data changed from 151/152 to 227/228. This did not affect the indicator color.

Occupational Exposure Control Effectiveness

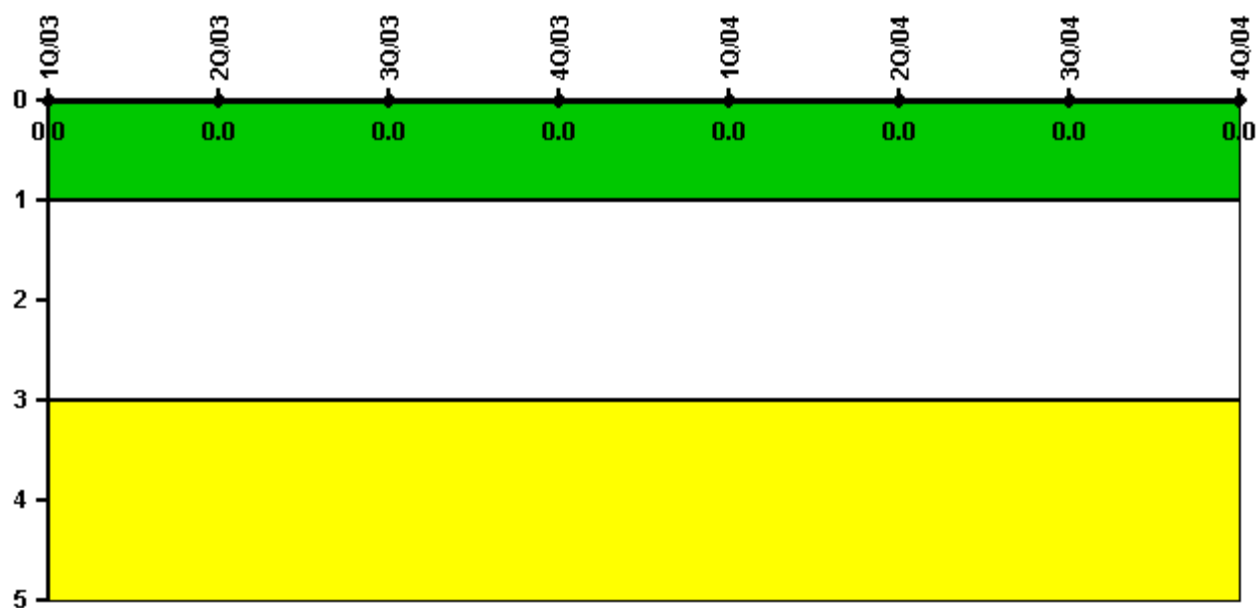


Thresholds: White > 2.0 Yellow > 5.0

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	1	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	2	0	0	0	0	0	0
Indicator value	0	3	3	3	3	0	0	0

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](#)

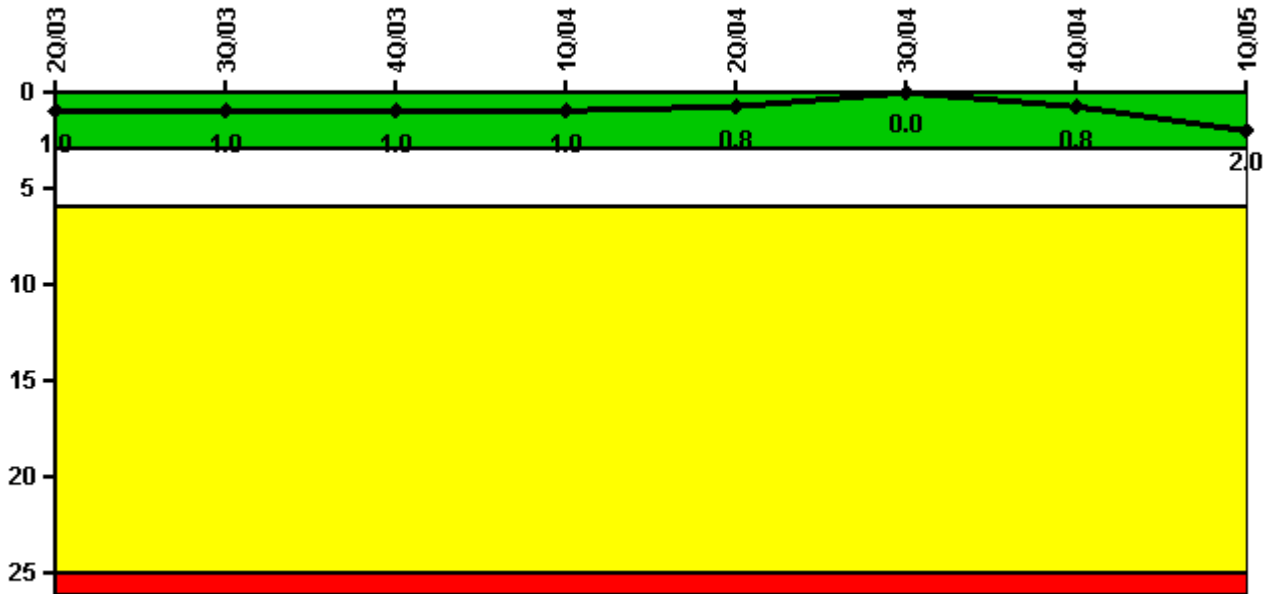
Last Modified: March 9, 2005

Perry 1

1Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



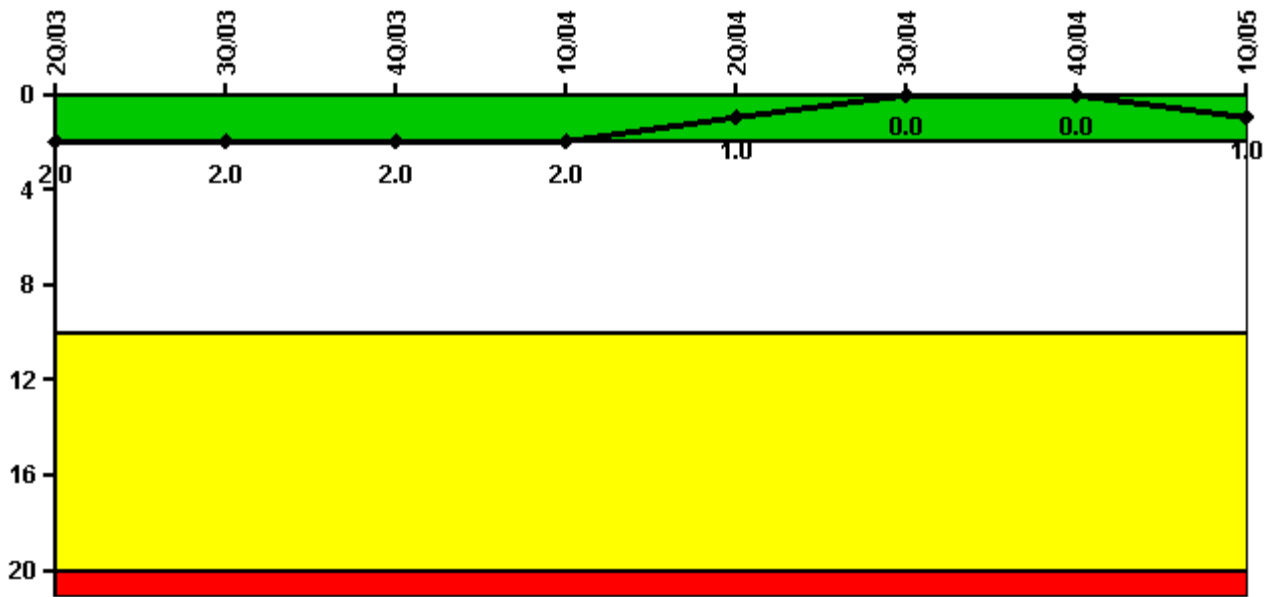
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	1.0	1.0
Critical hours	900.6	2071.6	2209.0	2184.0	1880.7	2208.0	2152.0	653.2
Indicator value	1.0	1.0	1.0	1.0	0.8	0	0.8	2.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



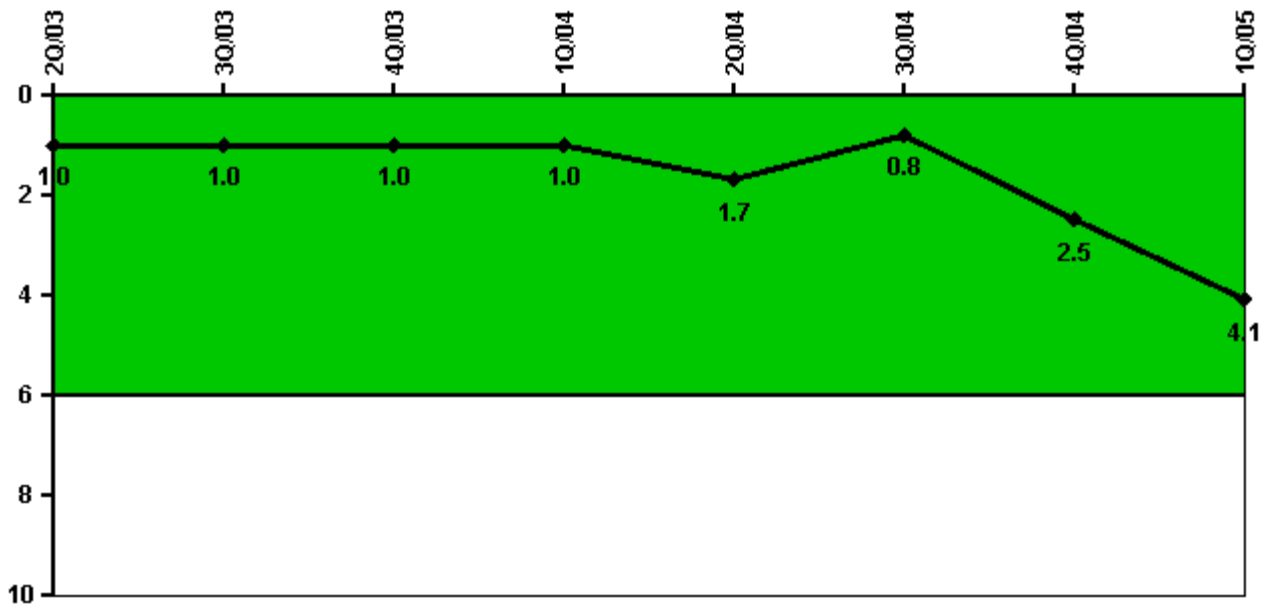
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0
Indicator value	2.0	2.0	2.0	2.0	1.0	0	0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



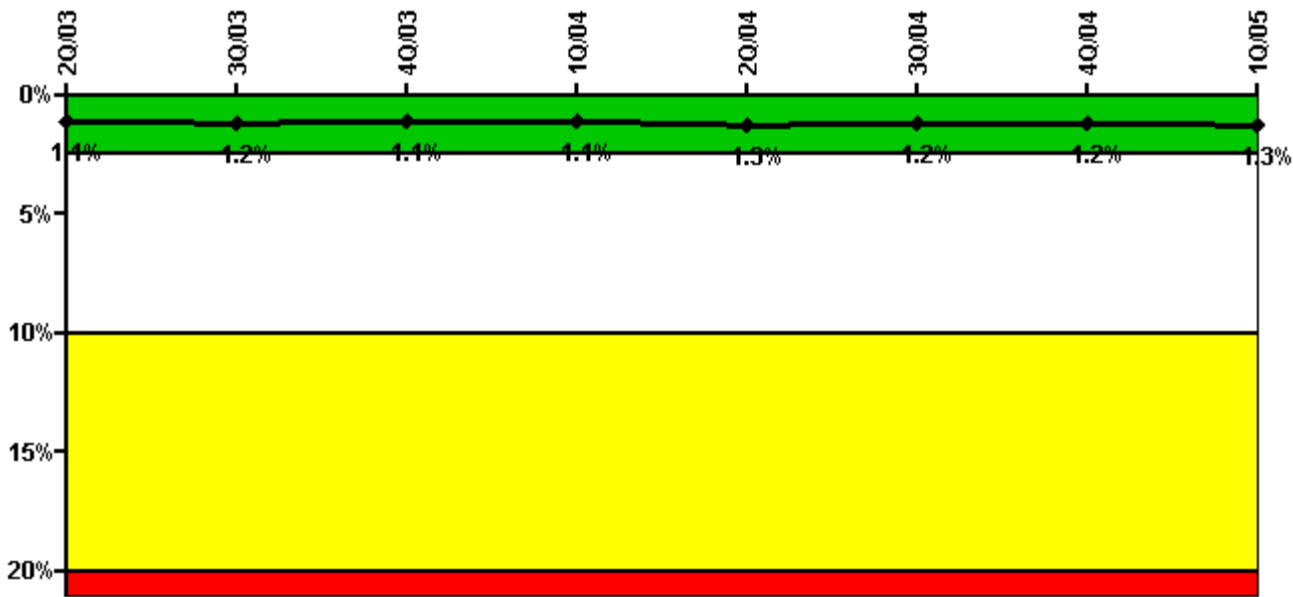
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	1.0	0	0	1.0	0	2.0	1.0
Critical hours	900.6	2071.6	2209.0	2184.0	1880.7	2208.0	2152.0	653.2
Indicator value	1.0	1.0	1.0	1.0	1.7	0.8	2.5	4.1

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



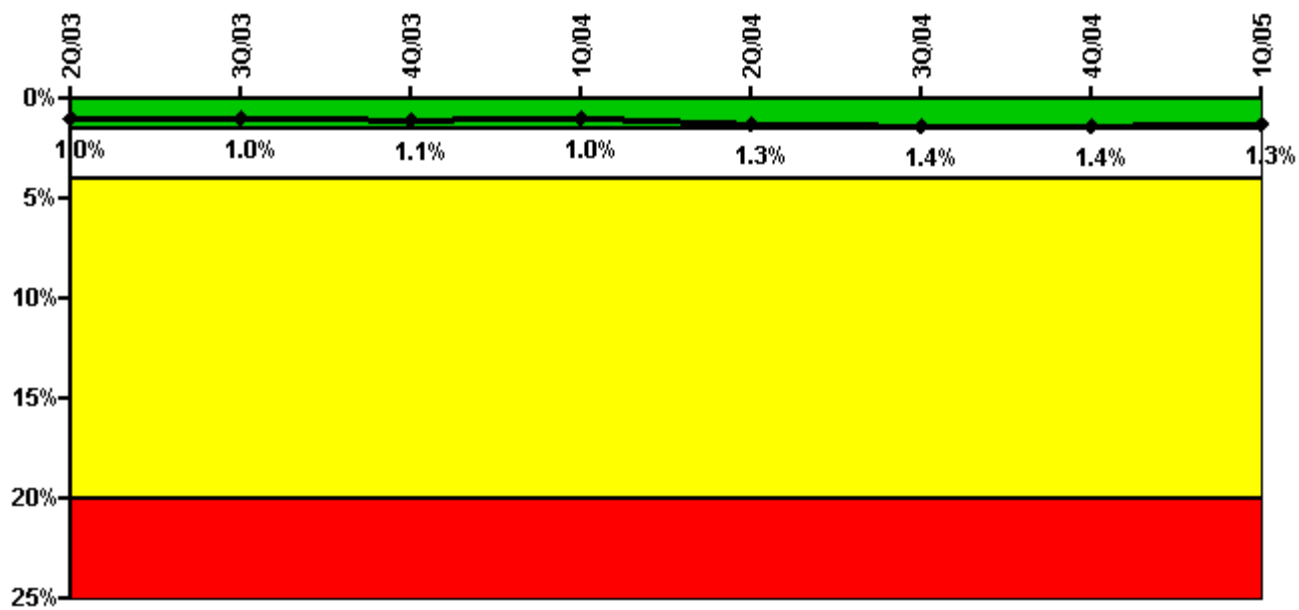
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	2.47	6.71	36.21	20.15	6.92	7.98	54.19	8.85
Unplanned unavailable hours	0	96.17	0	0	52.48	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	3.84	38.04	9.98	8.57	5.77	30.68	8.83	8.04
Unplanned unavailable hours	0	44.07	0	0	0	0	0	67.28
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	3.65	2.77	29.87	1.33	126.36	8.18	2.36	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	1.1%	1.2%	1.1%	1.1%	1.3%	1.2%	1.2%	1.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



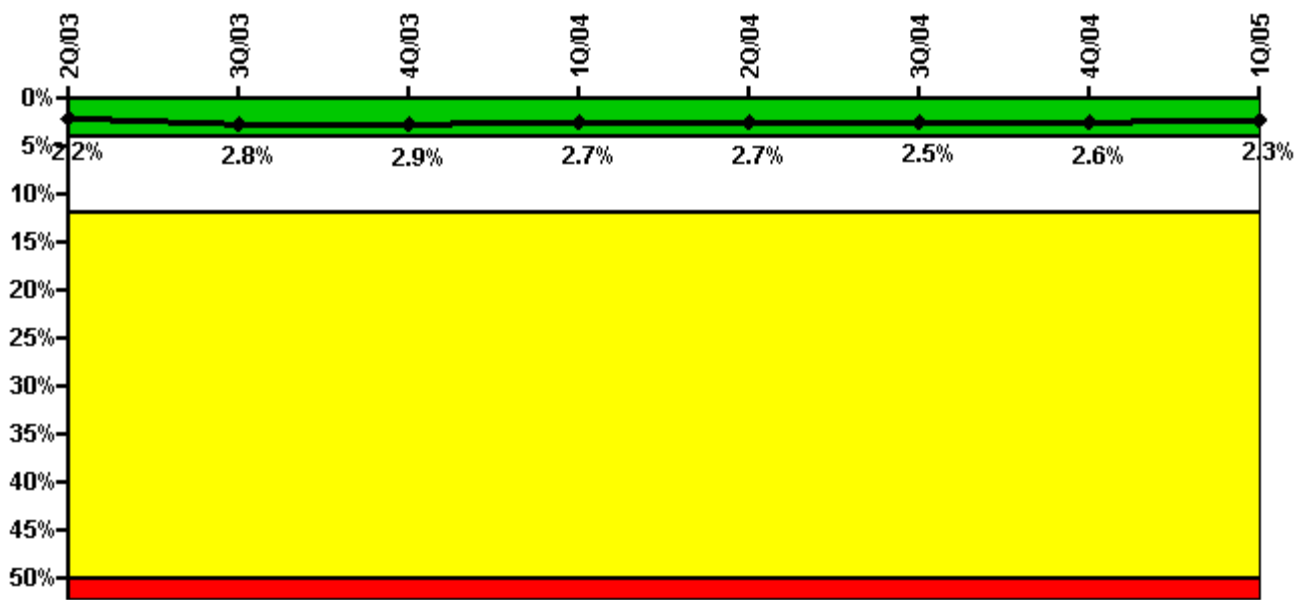
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	2.22	3.45	25.14	0.85	108.30	13.53	2.18	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	900.60	2071.60	2209.00	2184.00	1880.70	2208.00	2151.98	653.21
Indicator value	1.0%	1.0%	1.1%	1.0%	1.3%	1.4%	1.4%	1.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



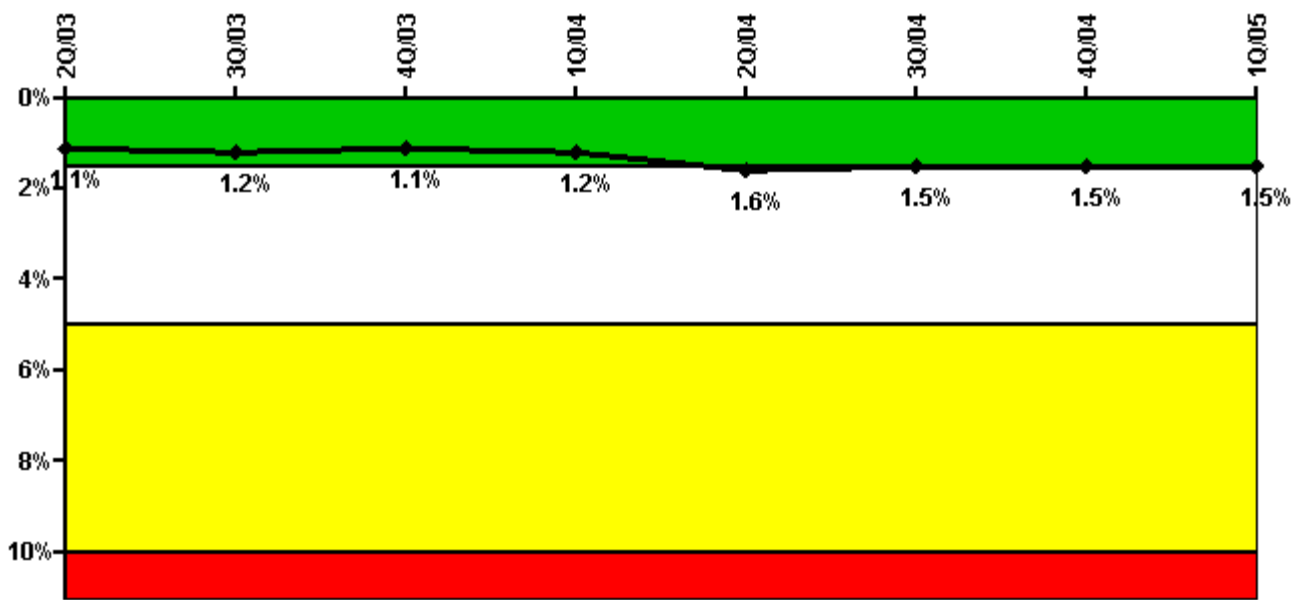
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	34.05	60.61	55.94	21.65	2.76	20.36	32.36	5.41
Unplanned unavailable hours	0	119.05	0	0	46.28	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	900.60	2071.60	2209.00	2184.00	1880.70	2208.00	2151.98	653.21
Indicator value	2.2%	2.8%	2.9%	2.7%	2.7%	2.5%	2.6%	2.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

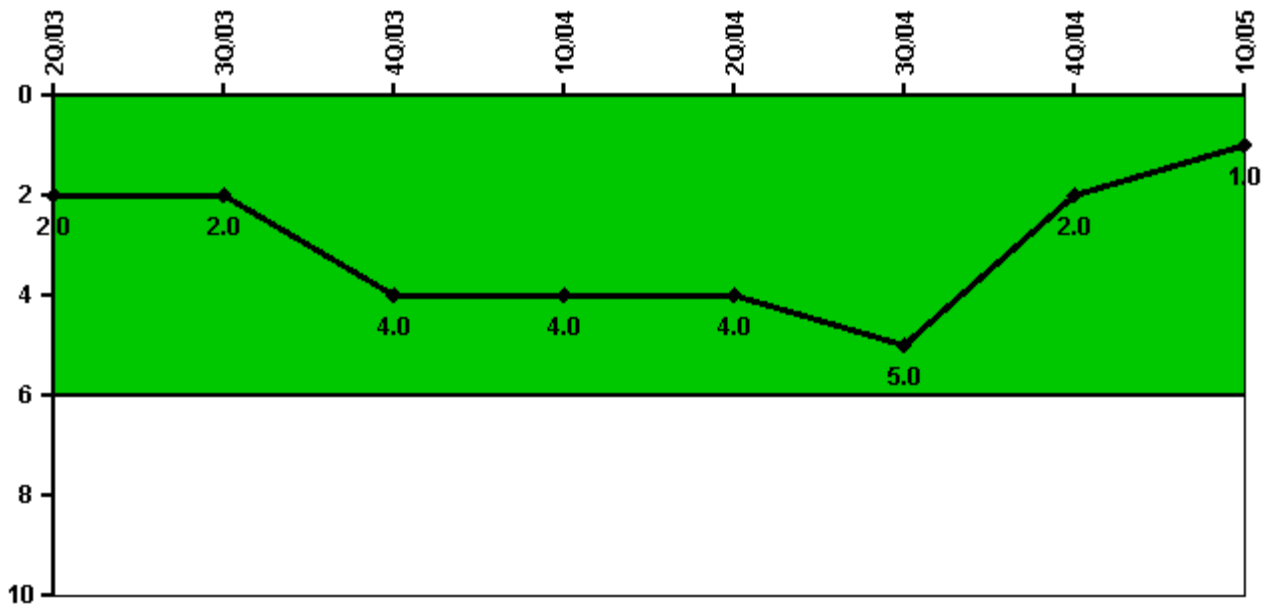
Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	30.08	5.98	52.97	19.50	2.05	3.75	29.10	5.85
Unplanned unavailable hours	0	116.59	0	0	108.95	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	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	2.13	34.13	1.22	0.67	120.65	1.15	41.67	4.57
Unplanned unavailable hours	0	0.07	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	1.1%	1.2%	1.1%	1.2%	1.6%	1.5%	1.5%	1.5%

Licensee Comments:

1Q/05: Mid-Quarter Correction, June 2005: As a result of NRC decision on FAQ 391 regarding the use of RHR when shut down, additional planned unavailable hours have been reported for May 2004 and June 2004. This change resulted in that quarter (2nd Quarter 2004) crossing the threshold to WHITE. The indicator returned to GREEN the following quarter.

2Q/04: Data Correction: RHR data for Q2 2003, Q3 2003, Q4 2003, and Q1 2004 was corrected to include a total of 6.42 hours of additional unavailability due to support system unavailability. This change does not affect the indicator color. Additional Data Correction submitted June 2005: Additional planned unavailable hours reported for RHR Train B in May 2004 and June 2004 as a result of NRC disapproval of FAQ. This change resulted in crossing the threshold to WHITE in Q2-2004.

Safety System Functional Failures (BWR)



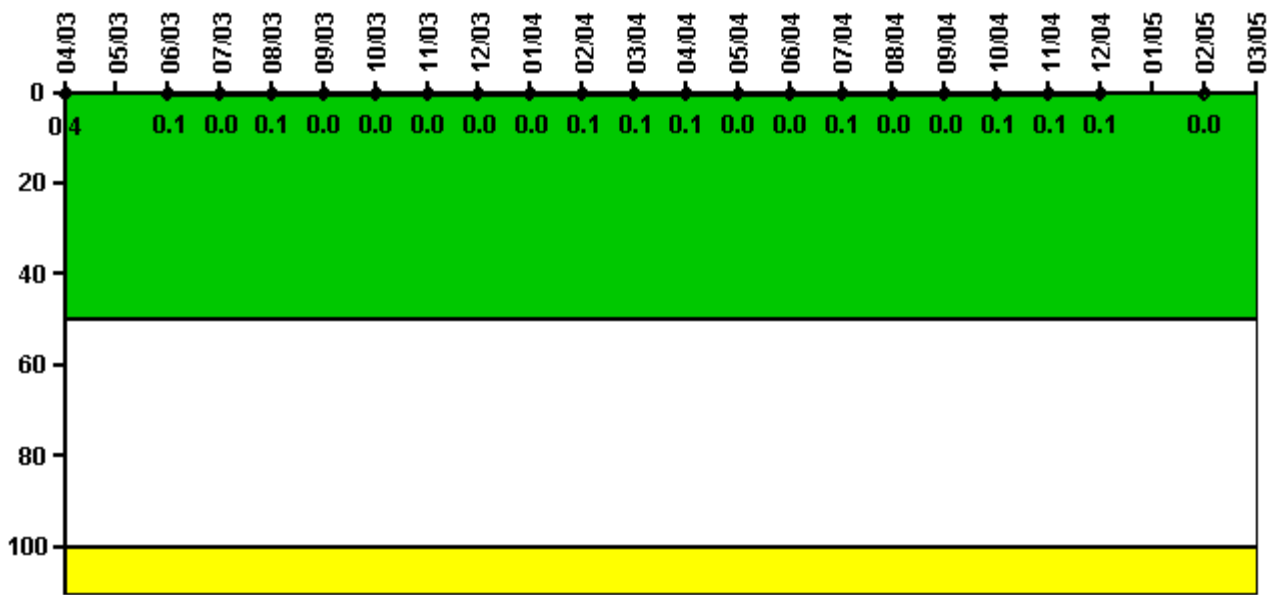
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Safety System Functional Failures	0	0	3	1	0	1	0	0
Indicator value	2	2	4	4	4	5	2	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

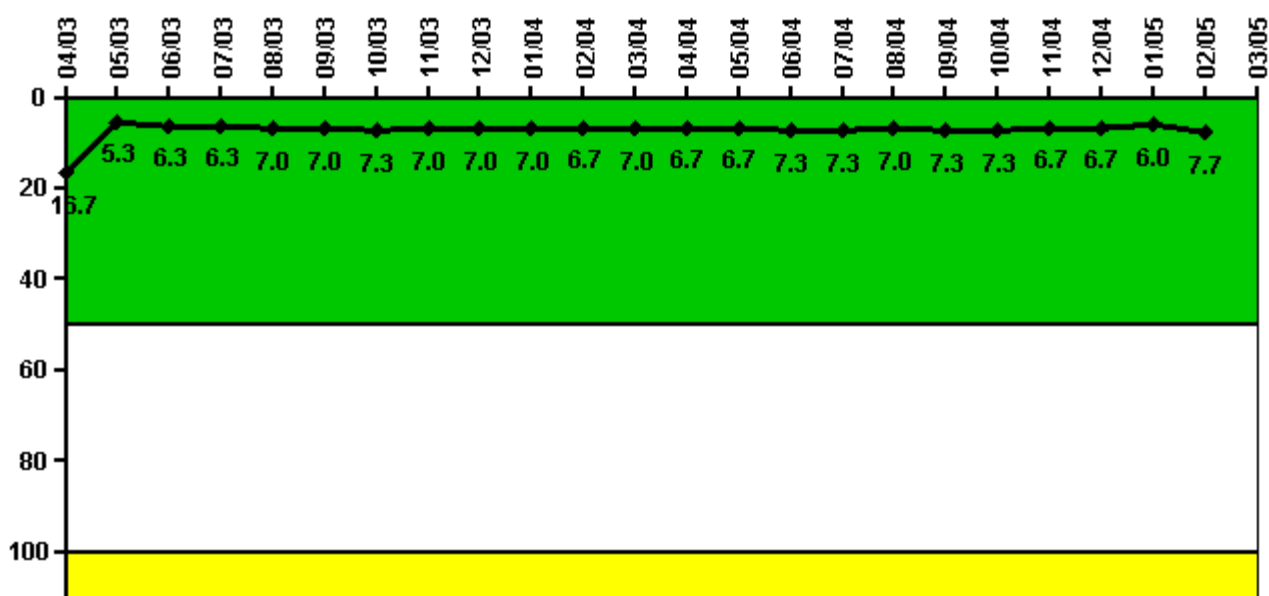
Notes

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	0.000734	N/A	0.000109	0.000090	0.000124	0.000067	0.000059	0.000066	0.000087	0.000073	0.000112	0.000109
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.4	N/A	0.1	0	0.1	0	0	0	0	0	0.1	0.1

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	0.000100	0.000098	0.000064	0.000119	0.000079	0.000079	0.000115	0.000140	0.000134	N/A	0.000057	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0	0	0.1	0	0	0.1	0.1	0.1	N/A	0	N/A

Licensee Comments: none

Reactor Coolant System Leakage

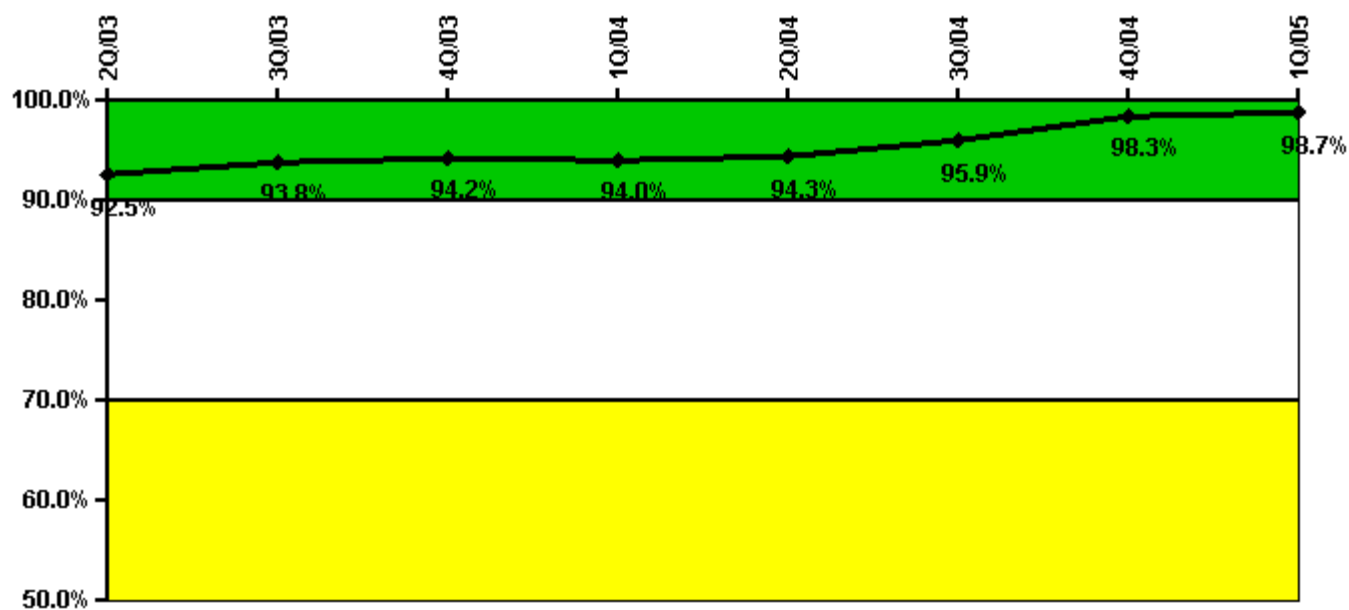


Thresholds: White > 50.0 Yellow > 100.0

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	5.000	1.600	1.900	1.900	2.100	2.100	2.200	2.100	2.100	2.100	2.000	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	16.7	5.3	6.3	6.3	7.0	7.0	7.3	7.0	7.0	7.0	6.7	7.0
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	2.000	2.000	2.200	2.200	2.100	2.200	2.200	2.000	2.000	1.800	2.300	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.7	7.3	7.3	7.0	7.3	7.3	6.7	6.7	6.0	7.7	N/A

Licensee Comments: none

Drill/Exercise Performance

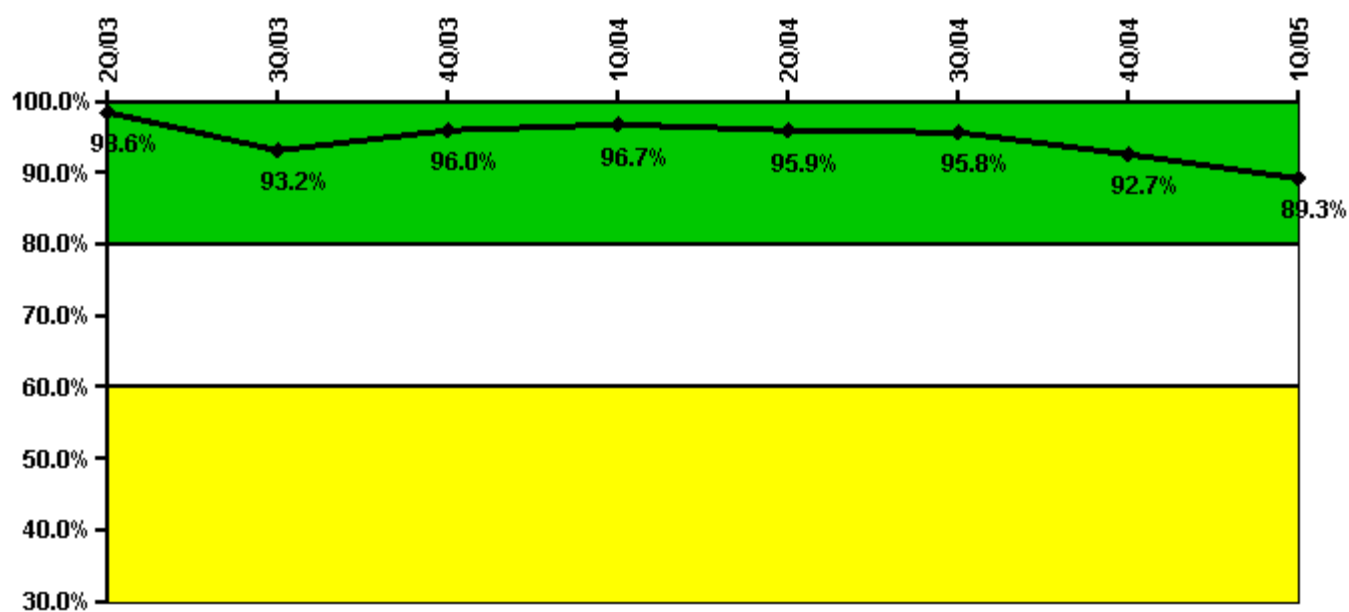
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	9.0	2.0	38.0	14.0	15.0	24.0	50.0	0
Total opportunities	10.0	2.0	38.0	14.0	16.0	24.0	50.0	0
Indicator value	92.5%	93.8%	94.2%	94.0%	94.3%	95.9%	98.3%	98.7%

Licensee Comments: none

ERO Drill Participation



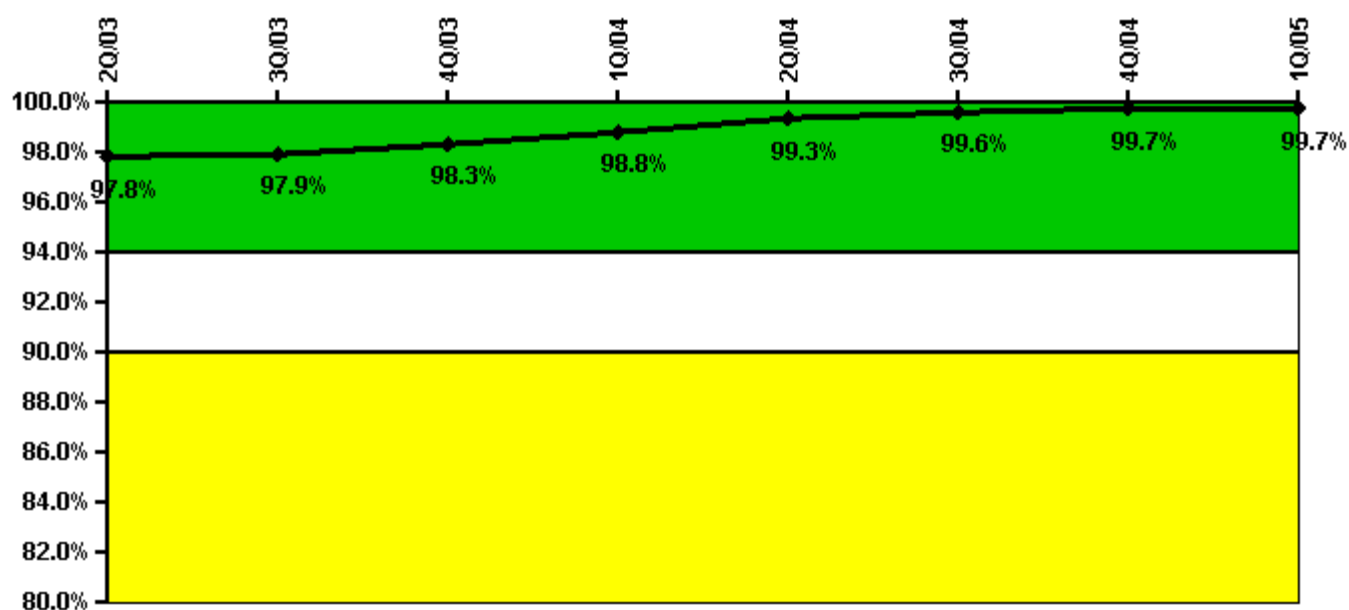
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	137.0	137.0	144.0	146.0	141.0	137.0	127.0	117.0
Total Key personnel	139.0	147.0	150.0	151.0	147.0	143.0	137.0	131.0
Indicator value	98.6%	93.2%	96.0%	96.7%	95.9%	95.8%	92.7%	89.3%

Licensee Comments: none

Alert & Notification System



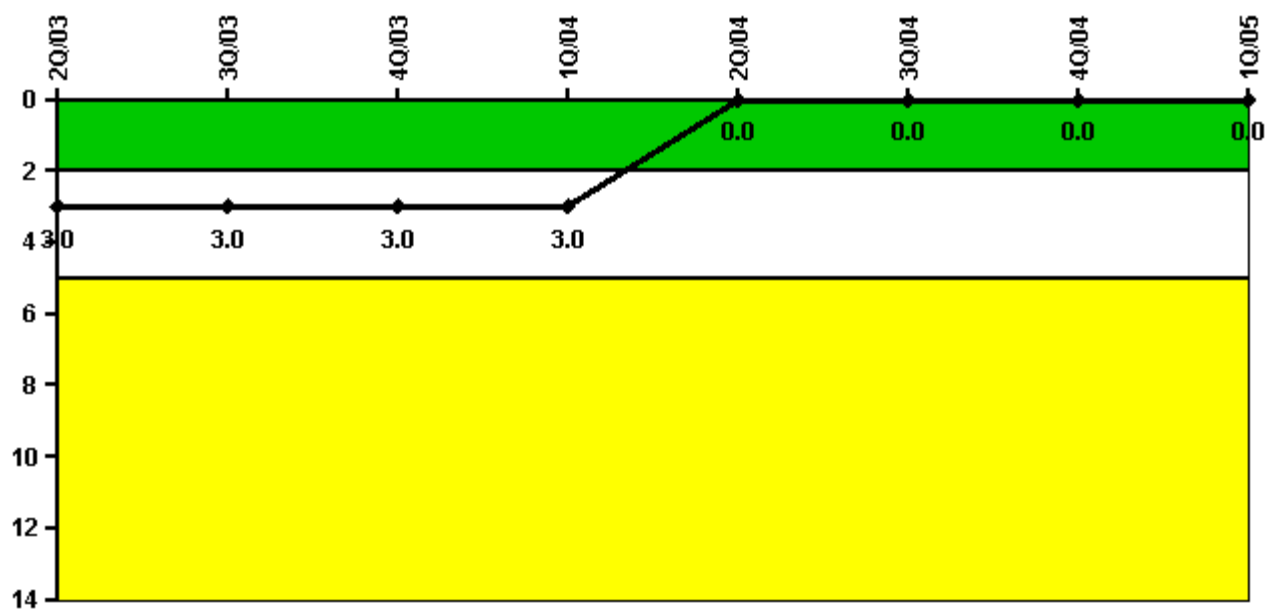
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	520	525	452	530	530	532	529	531
Total sirens-tests	532	532	456	532	532	532	532	532
Indicator value	97.8%	97.9%	98.3%	98.8%	99.3%	99.6%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness

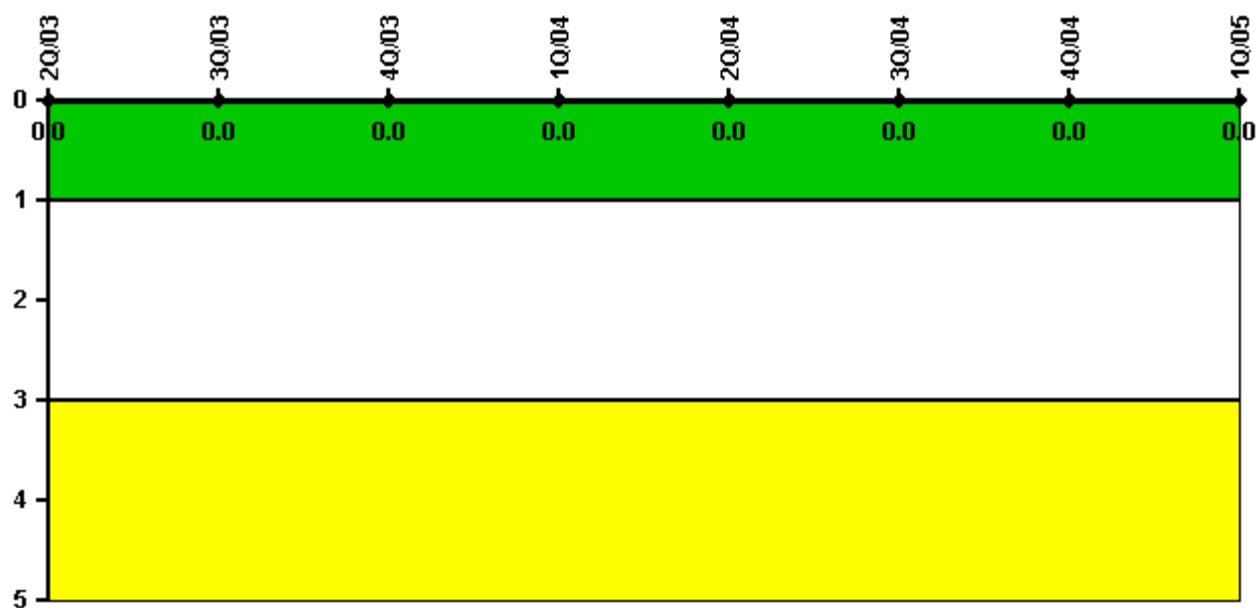


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
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	2	0	0	0	0	0	0	0
Indicator value	3	3	3	3	0	0	0	0

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](#)

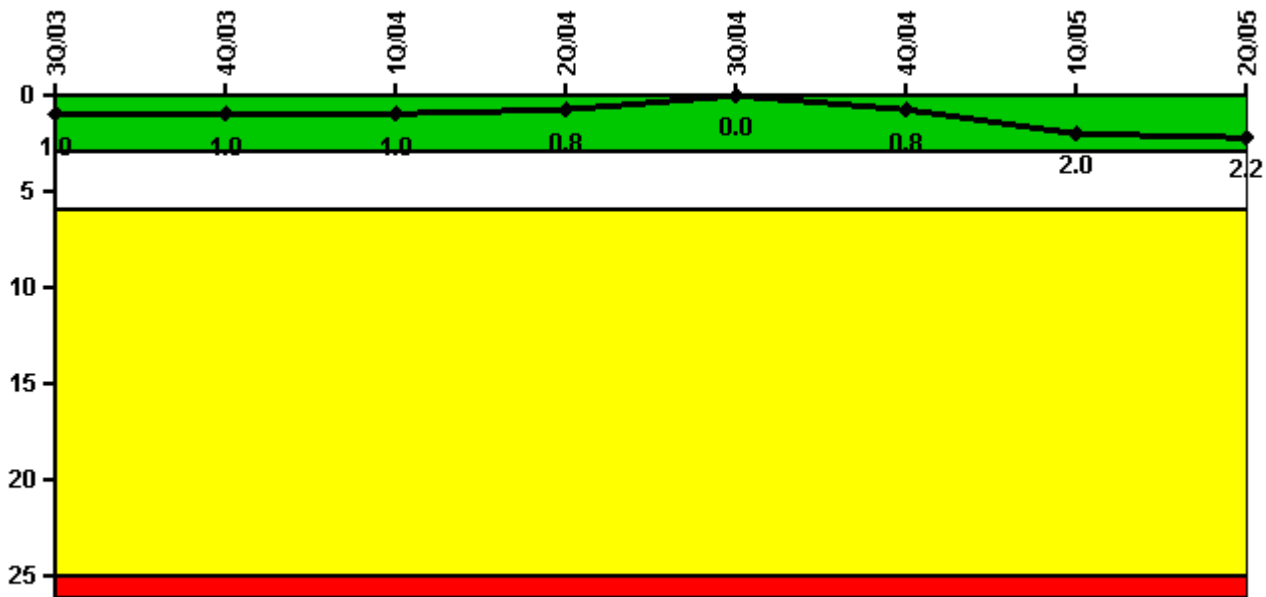
Last Modified: June 17, 2005

Perry 1

2Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



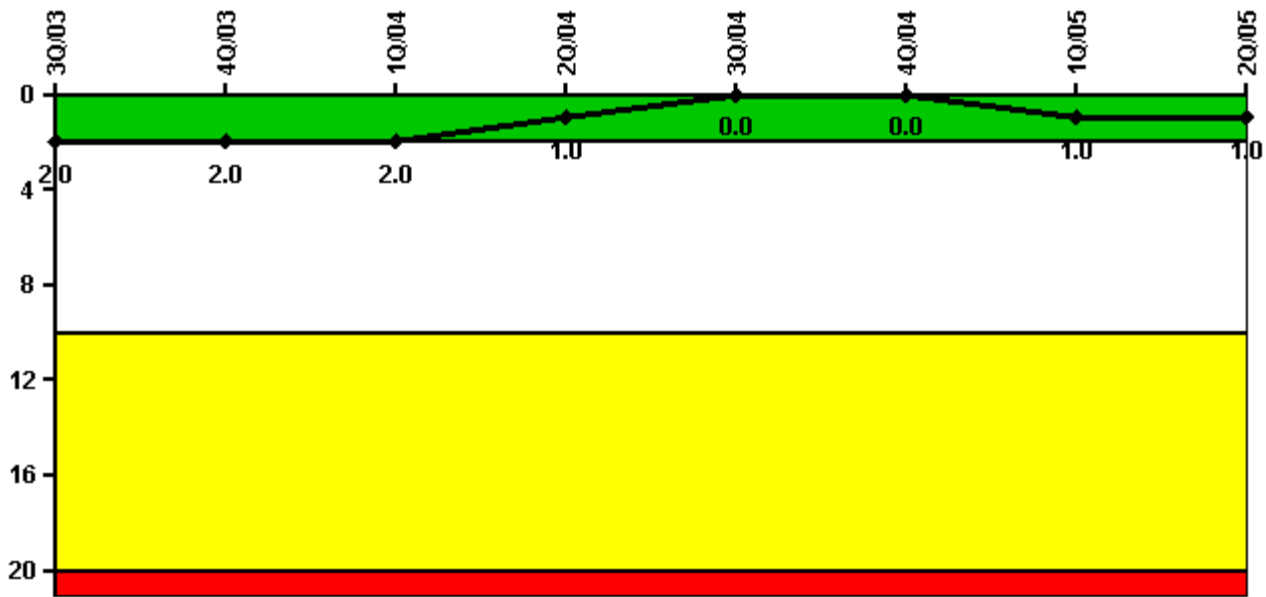
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	1.0	1.0	0
Critical hours	2071.6	2209.0	2184.0	1880.7	2208.0	2152.0	653.2	1398.7
Indicator value	1.0	1.0	1.0	0.8	0	0.8	2.0	2.2

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



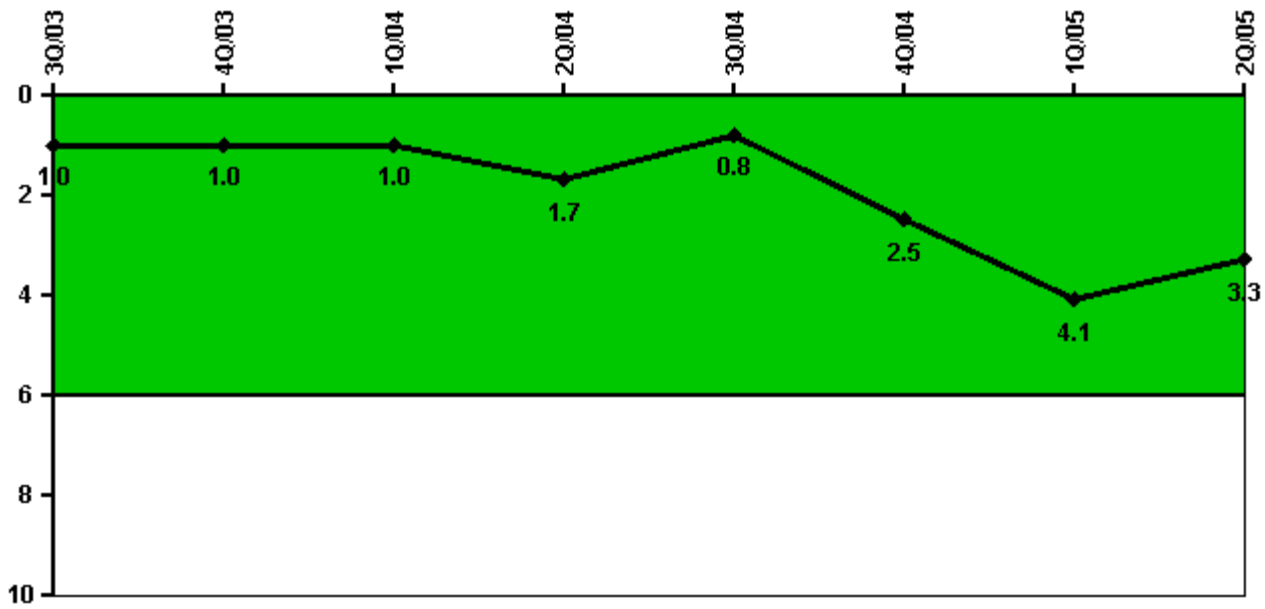
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	0
Indicator value	2.0	2.0	2.0	1.0	0	0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



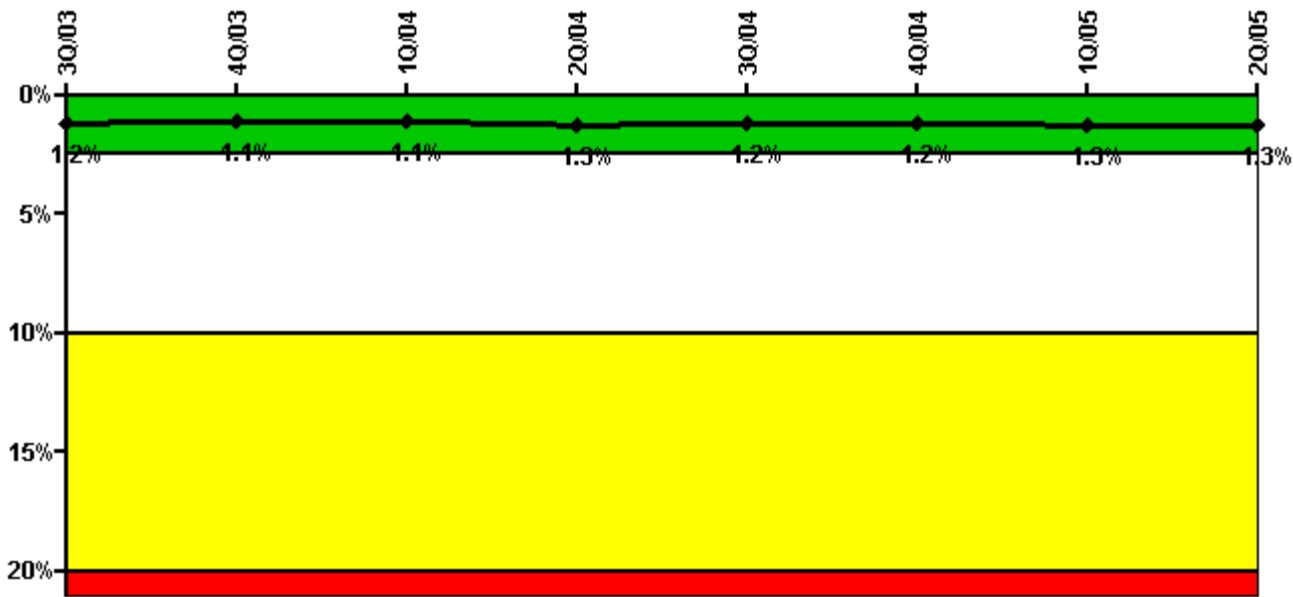
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	1.0	0	0	1.0	0	2.0	1.0	0
Critical hours	2071.6	2209.0	2184.0	1880.7	2208.0	2152.0	653.2	1398.7
Indicator value	1.0	1.0	1.0	1.7	0.8	2.5	4.1	3.3

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



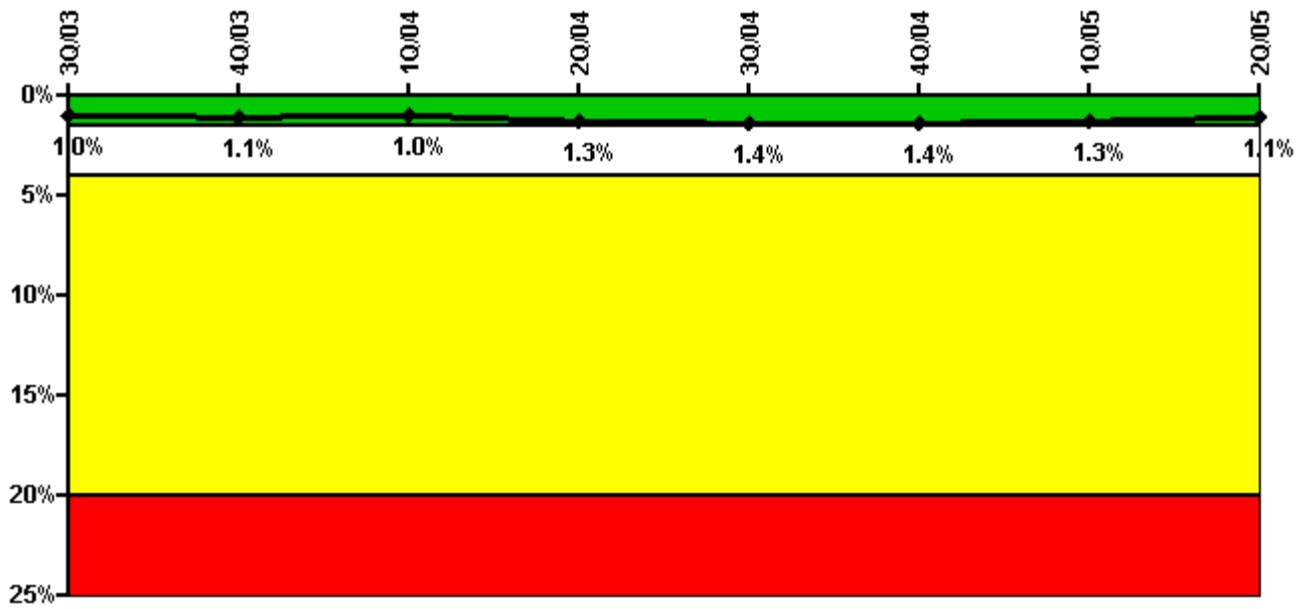
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

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	6.71	36.21	20.15	6.92	7.98	54.19	8.85	8.68
Unplanned unavailable hours	96.17	0	0	52.48	0	0	0	0.37
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	38.04	9.98	8.57	5.77	30.68	8.83	8.04	10.75
Unplanned unavailable hours	44.07	0	0	0	0	0	67.28	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	2.77	29.87	1.33	126.36	8.18	2.36	3.43	52.67
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	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.2%	1.1%	1.1%	1.3%	1.2%	1.2%	1.3%	1.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



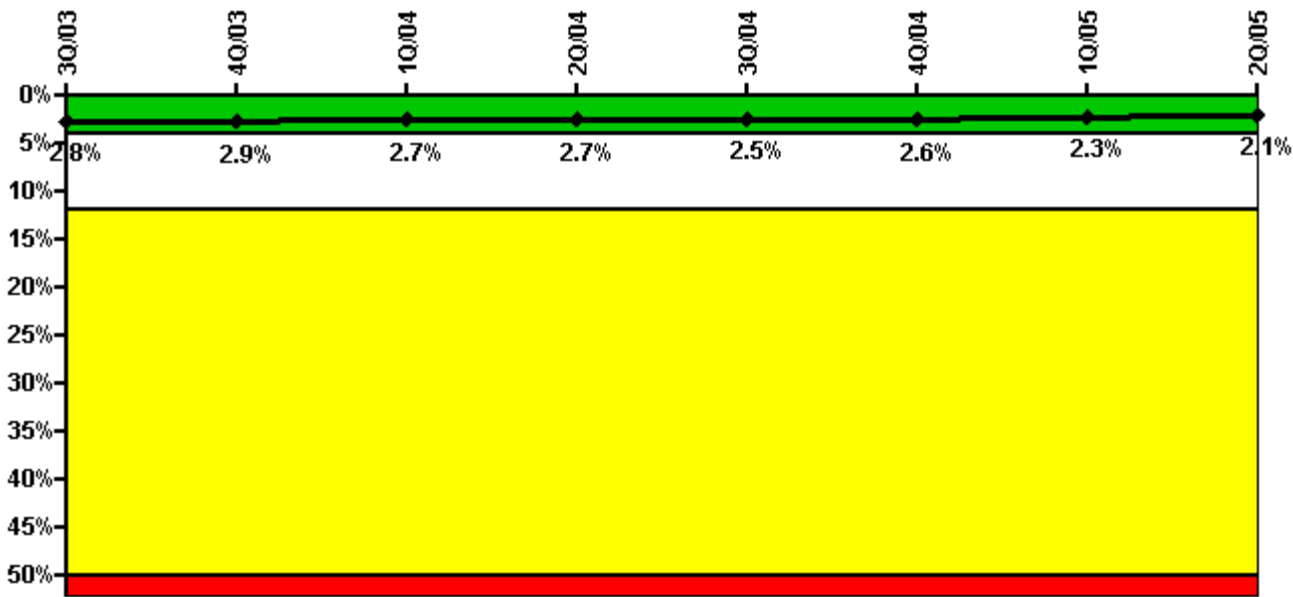
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	3.45	25.14	0.85	108.30	13.53	2.18	0	51.98
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	2071.60	2209.00	2184.00	1880.70	2208.00	2151.98	653.21	1398.65
Indicator value	1.0%	1.1%	1.0%	1.3%	1.4%	1.4%	1.3%	1.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



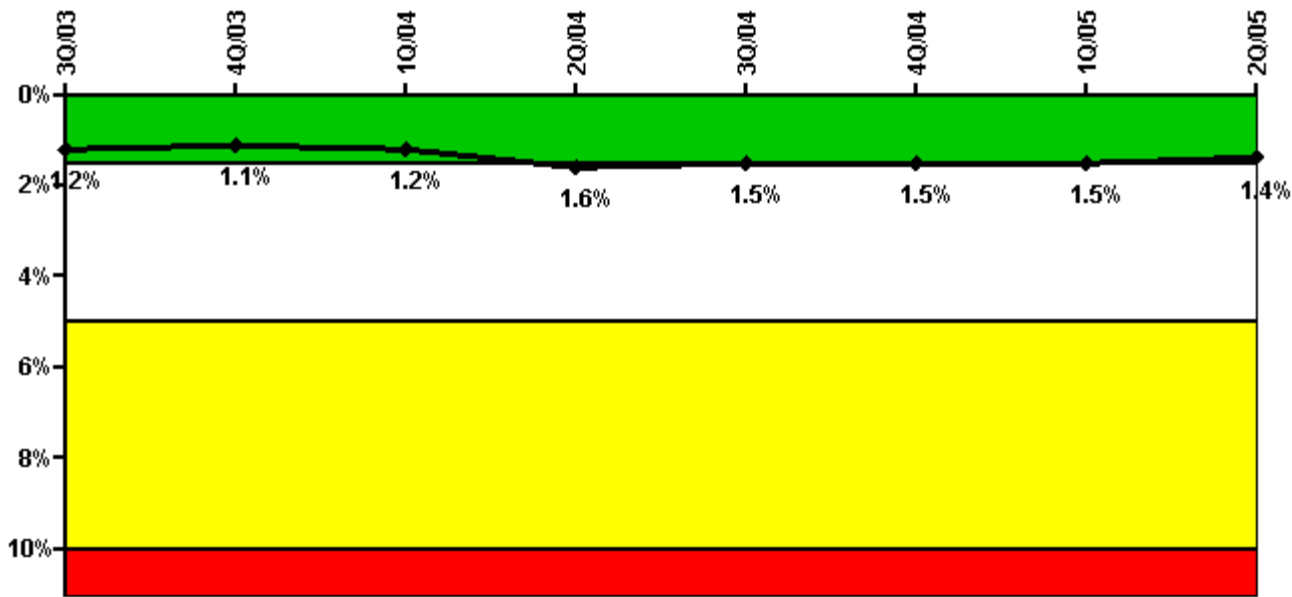
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	60.61	55.94	21.65	2.76	20.36	32.36	5.41	5.68
Unplanned unavailable hours	119.05	0	0	46.28	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	2071.60	2209.00	2184.00	1880.70	2208.00	2151.98	653.21	1398.65
Indicator value	2.8%	2.9%	2.7%	2.7%	2.5%	2.6%	2.3%	2.1%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

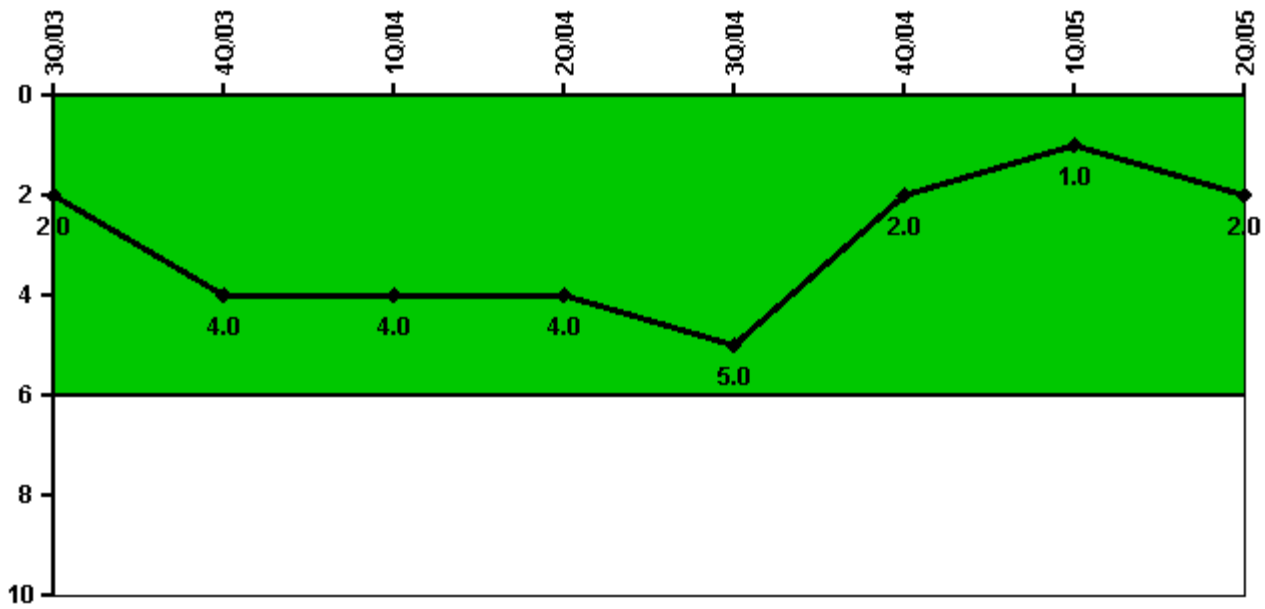
Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	5.98	52.97	19.50	2.05	3.75	29.10	5.85	1.18
Unplanned unavailable hours	116.59	0	0	108.95	0	0	0	2.53
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset 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	34.13	1.22	0.67	120.65	1.15	41.67	4.57	4.22
Unplanned unavailable hours	0.07	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	1.2%	1.1%	1.2%	1.6%	1.5%	1.5%	1.5%	1.4%

Licensee Comments:

1Q/05: Mid-Quarter Correction, June 2005: As a result of NRC decision on FAQ 391 regarding the use of RHR when shut down, additional planned unavailable hours have been reported for May 2004 and June 2004. This change resulted in that quarter (2nd Quarter 2004) crossing the threshold to WHITE. The indicator returned to GREEN the following quarter.

2Q/04: Data Correction: RHR data for Q2 2003, Q3 2003, Q4 2003, and Q1 2004 was corrected to include a total of 6.42 hours of additional unavailability due to support system unavailability. This change does not affect the indicator color. Additional Data Correction submitted June 2005: Additional planned unavailable hours reported for RHR Train B in May 2004 and June 2004 as a result of NRC disapproval of FAQ. This change resulted in crossing the threshold to WHITE in Q2-2004.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

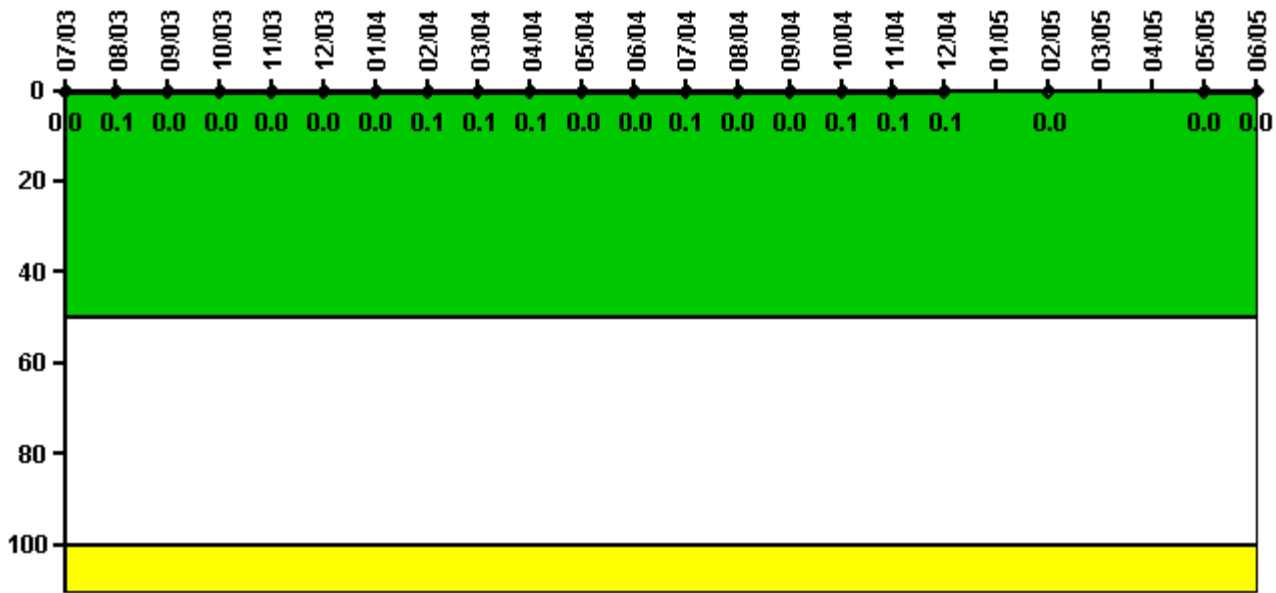
Notes

Safety System Functional Failures (BWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Safety System Functional Failures	0	3	1	0	1	0	0	1
Indicator value	2	4	4	4	5	2	1	2

Licensee Comments:

2Q/05: Licensee Event Report (LER) 2005-002 documented a functional failure of the Emergency Diesel Generators as a result of a design deficiency with the diesel exhaust system

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

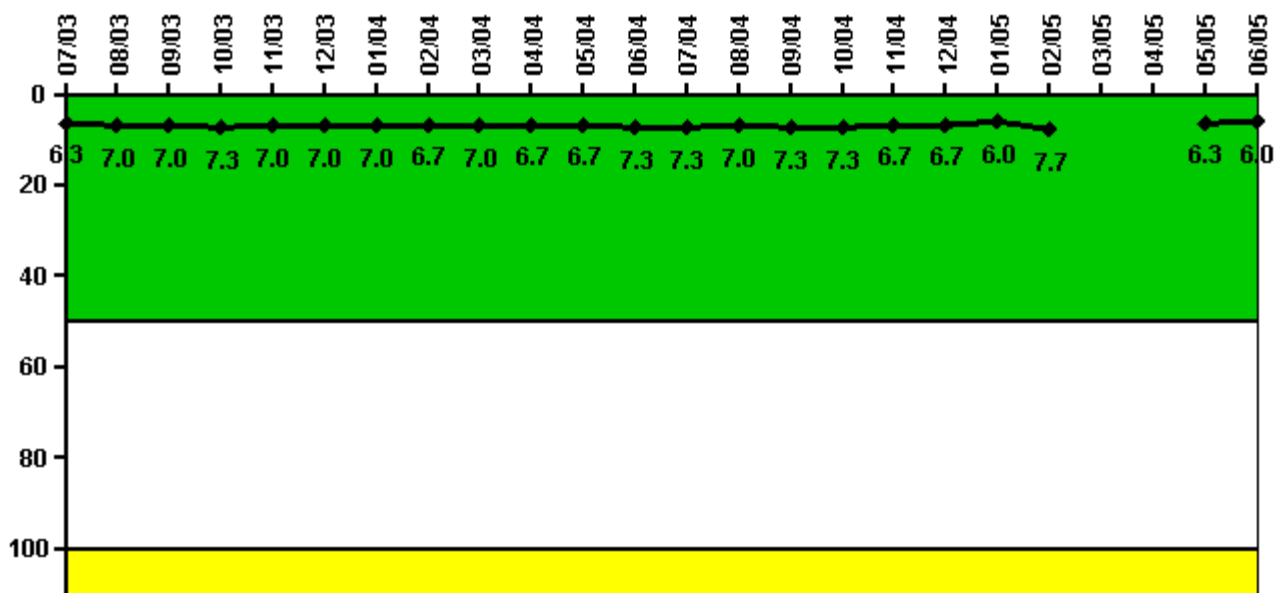
Notes

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	0.000090	0.000124	0.000067	0.000059	0.000066	0.000087	0.000073	0.000112	0.000109	0.000100	0.000098	0.000064
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0.1	0	0	0	0	0	0.1	0.1	0.1	0	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	0.000119	0.000079	0.000079	0.000115	0.000140	0.000134	N/A	0.000057	N/A	N/A	0.000030	0.000032
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0	0	0.1	0.1	0.1	N/A	0	N/A	N/A	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

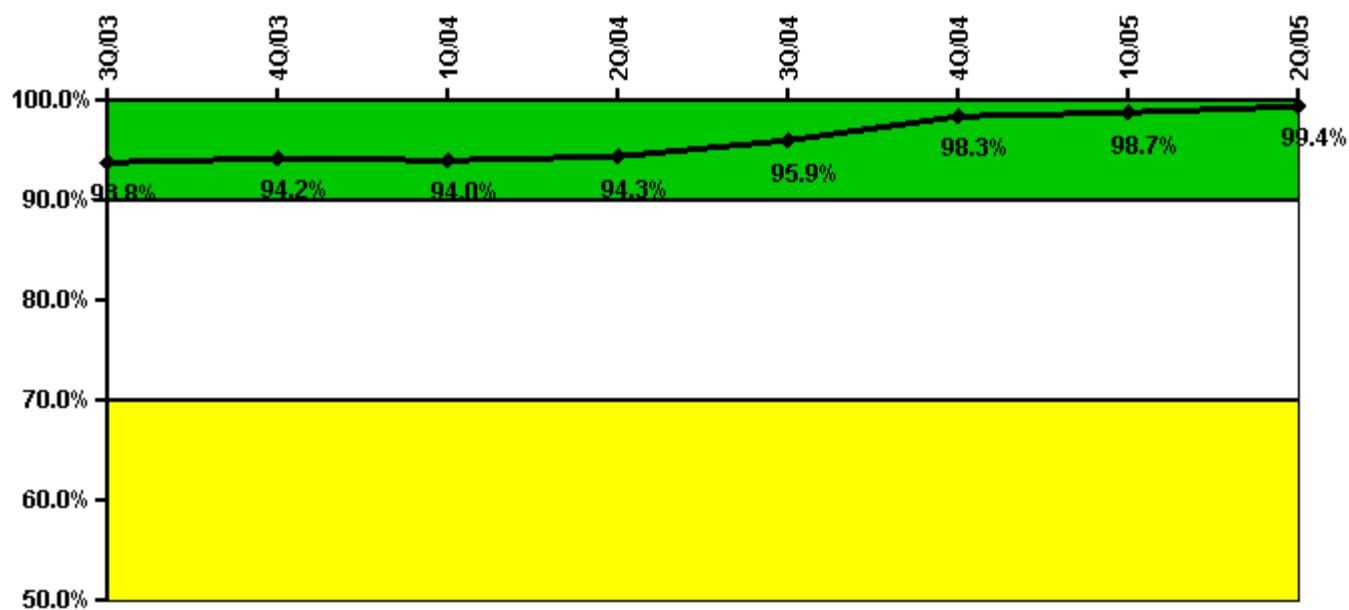
Notes

Reactor Coolant System Leakage	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	1.900	2.100	2.100	2.200	2.100	2.100	2.100	2.000	2.100	2.000	2.000	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	7.0	7.0	7.3	7.0	7.0	7.0	6.7	7.0	6.7	6.7	7.3

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	2.200	2.100	2.200	2.200	2.000	2.000	1.800	2.300	N/A	N/A	1.900	1.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.0	7.3	7.3	6.7	6.7	6.0	7.7	N/A	N/A	6.3	6.0

Licensee Comments: none

Drill/Exercise Performance



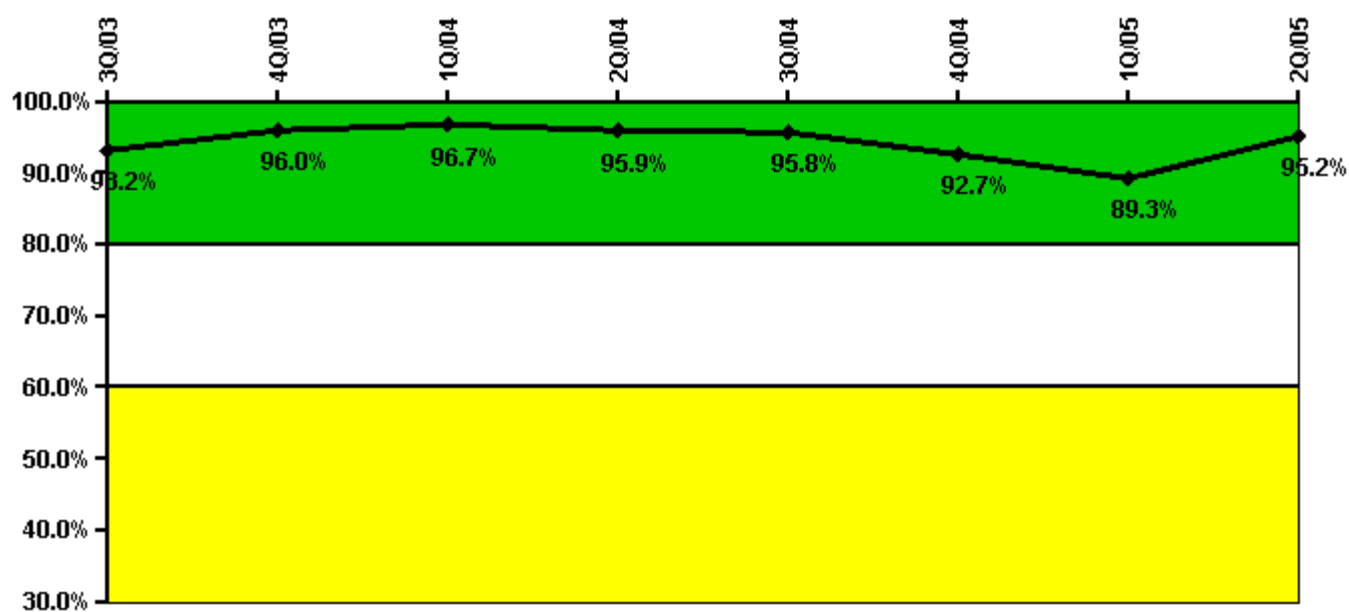
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	2.0	38.0	14.0	15.0	24.0	50.0	0	20.0
Total opportunities	2.0	38.0	14.0	16.0	24.0	50.0	0	20.0
Indicator value	93.8%	94.2%	94.0%	94.3%	95.9%	98.3%	98.7%	99.4%

Licensee Comments: none

ERO Drill Participation



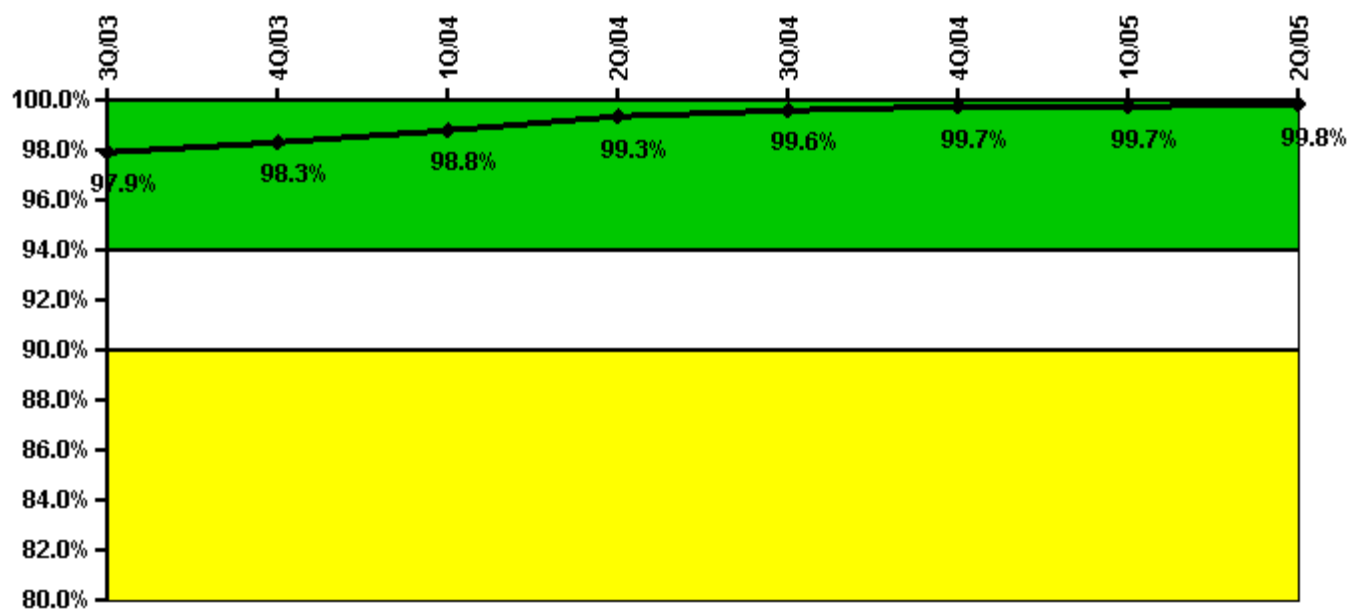
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	137.0	144.0	146.0	141.0	137.0	127.0	117.0	119.0
Total Key personnel	147.0	150.0	151.0	147.0	143.0	137.0	131.0	125.0
Indicator value	93.2%	96.0%	96.7%	95.9%	95.8%	92.7%	89.3%	95.2%

Licensee Comments: none

Alert & Notification System



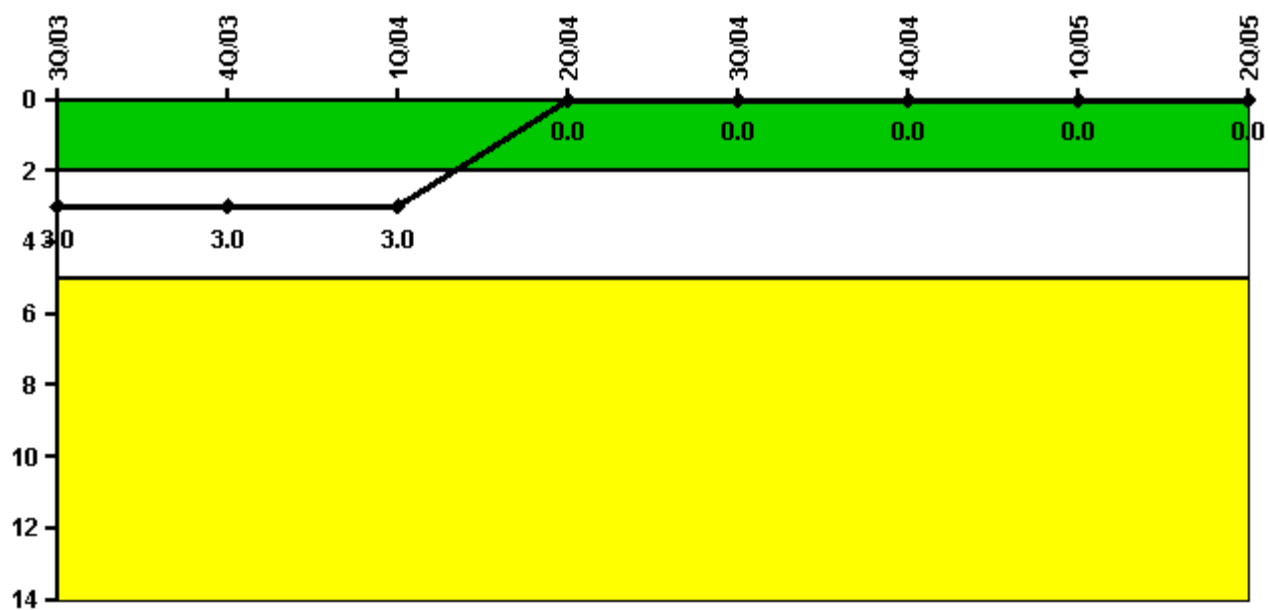
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	525	452	530	530	532	529	531	531
Total sirens-tests	532	456	532	532	532	532	532	532
Indicator value	97.9%	98.3%	98.8%	99.3%	99.6%	99.7%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

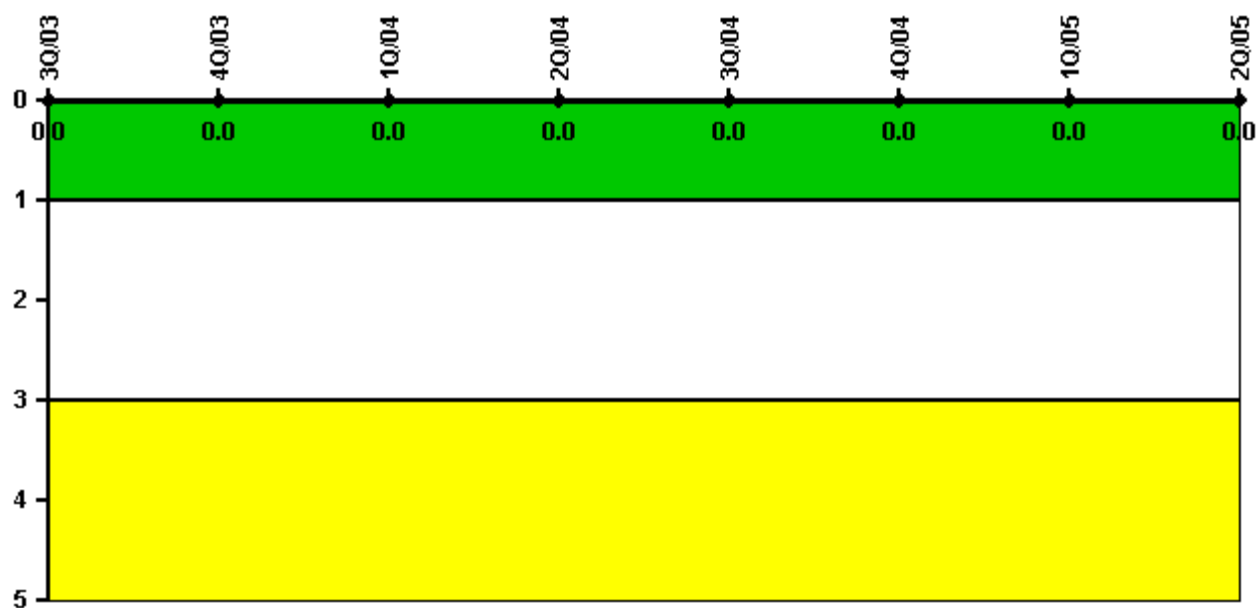


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
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	3	3	3	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/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](#)

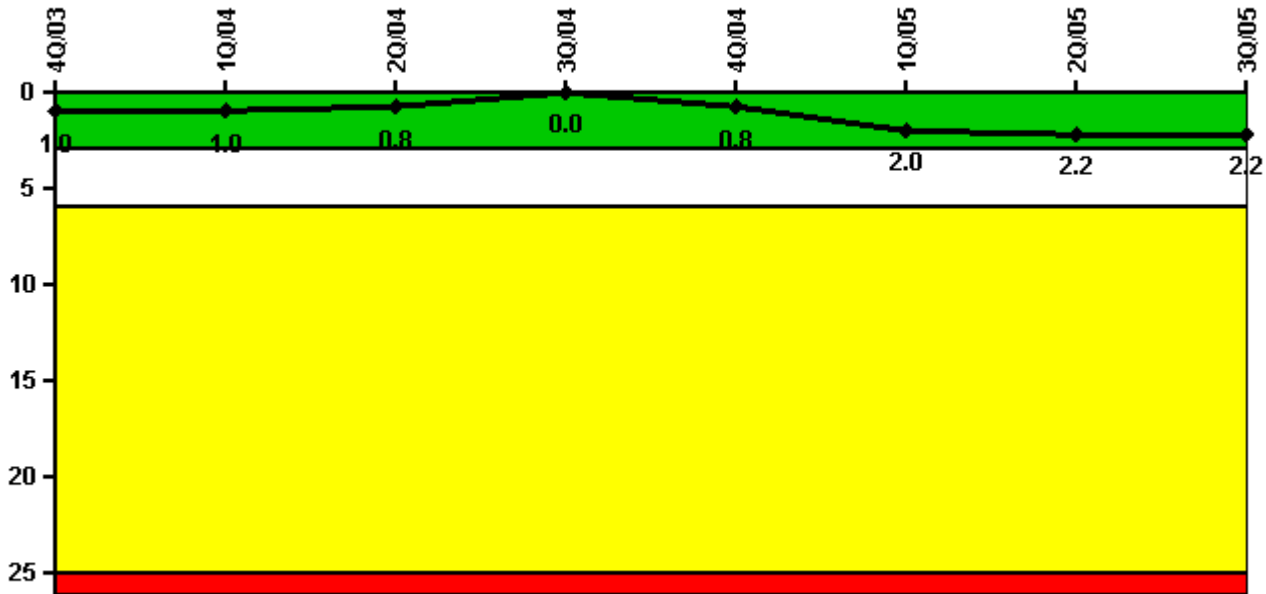
Last Modified: August 3, 2005

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3Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



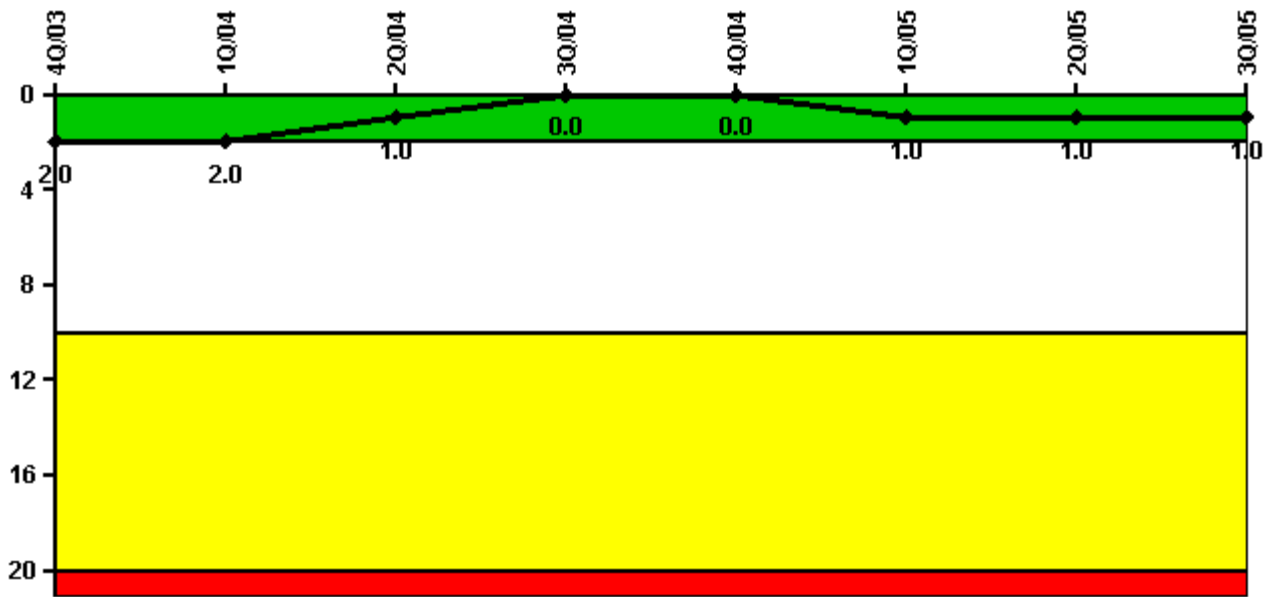
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0	0
Critical hours	2209.0	2184.0	1880.7	2208.0	2152.0	653.2	1398.7	2208.0
Indicator value	1.0	1.0	0.8	0	0.8	2.0	2.2	2.2

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



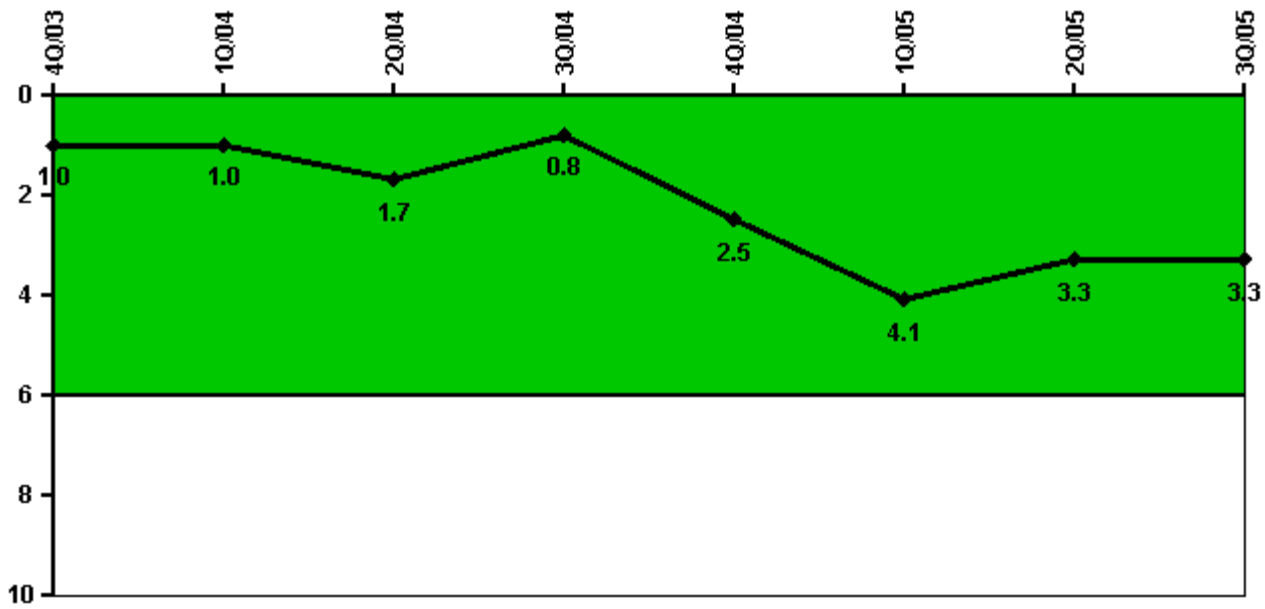
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	0	0
Indicator value	2.0	2.0	1.0	0	0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



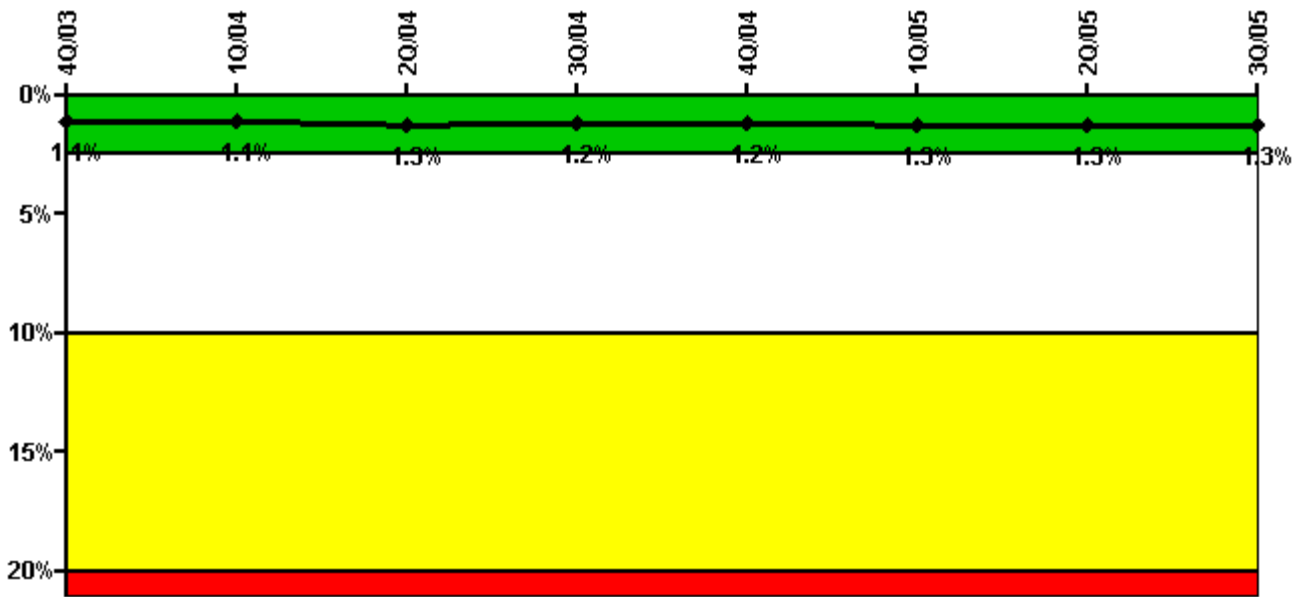
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	0	1.0	0	2.0	1.0	0	0
Critical hours	2209.0	2184.0	1880.7	2208.0	2152.0	653.2	1398.7	2208.0
Indicator value	1.0	1.0	1.7	0.8	2.5	4.1	3.3	3.3

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



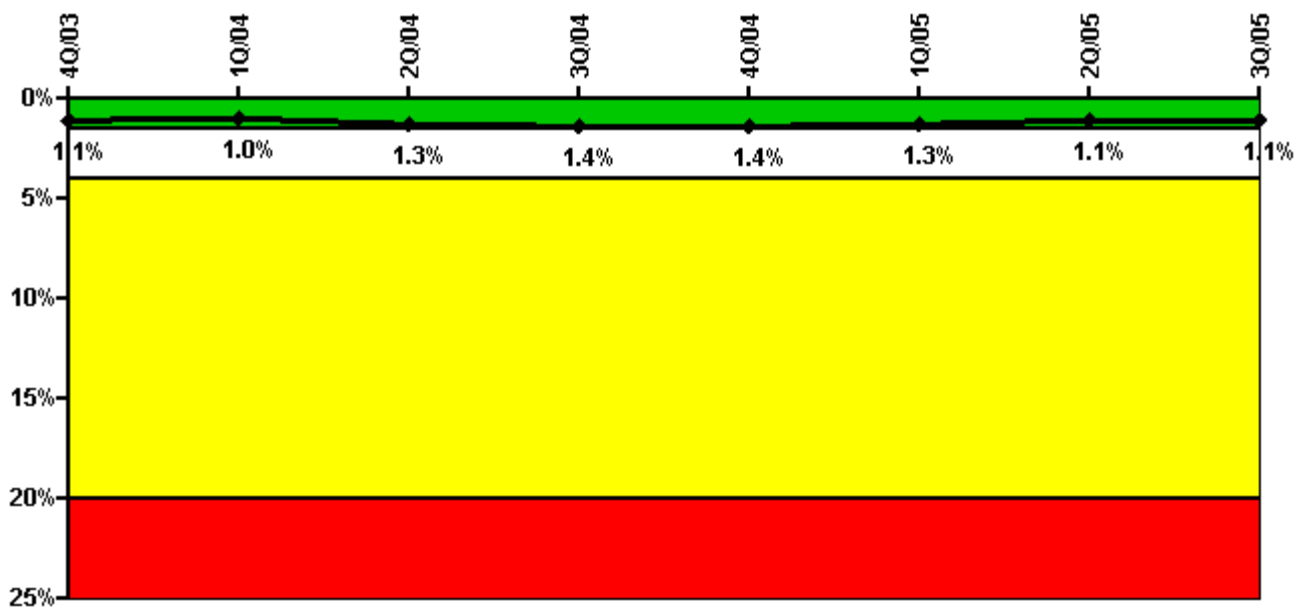
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

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	36.21	20.15	6.92	7.98	54.19	8.85	8.68	3.61
Unplanned unavailable hours	0	0	52.48	0	0	0	0.37	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	9.98	8.57	5.77	30.68	8.83	8.04	10.75	67.68
Unplanned unavailable hours	0	0	0	0	0	67.28	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	29.87	1.33	126.36	8.18	2.36	3.43	52.67	3.19
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	1.1%	1.1%	1.3%	1.2%	1.2%	1.3%	1.3%	1.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



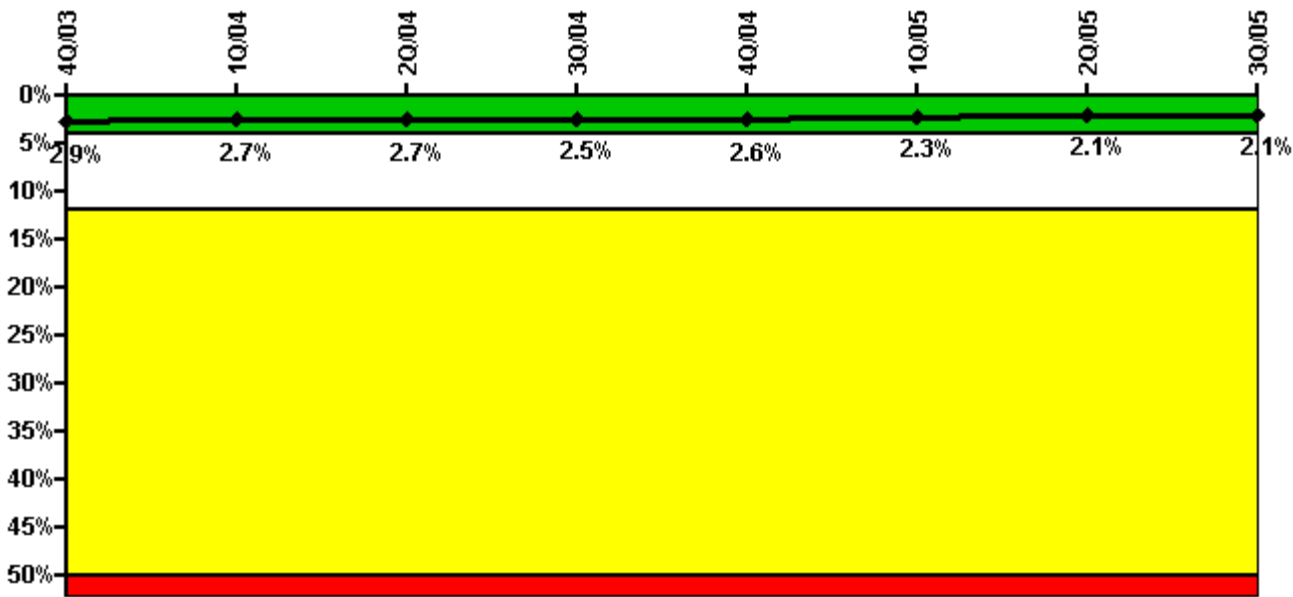
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	25.14	0.85	108.30	13.53	2.18	0	51.98	1.50
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	2184.00	1880.70	2208.00	2151.98	653.21	1398.65	2208.00
Indicator value	1.1%	1.0%	1.3%	1.4%	1.4%	1.3%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



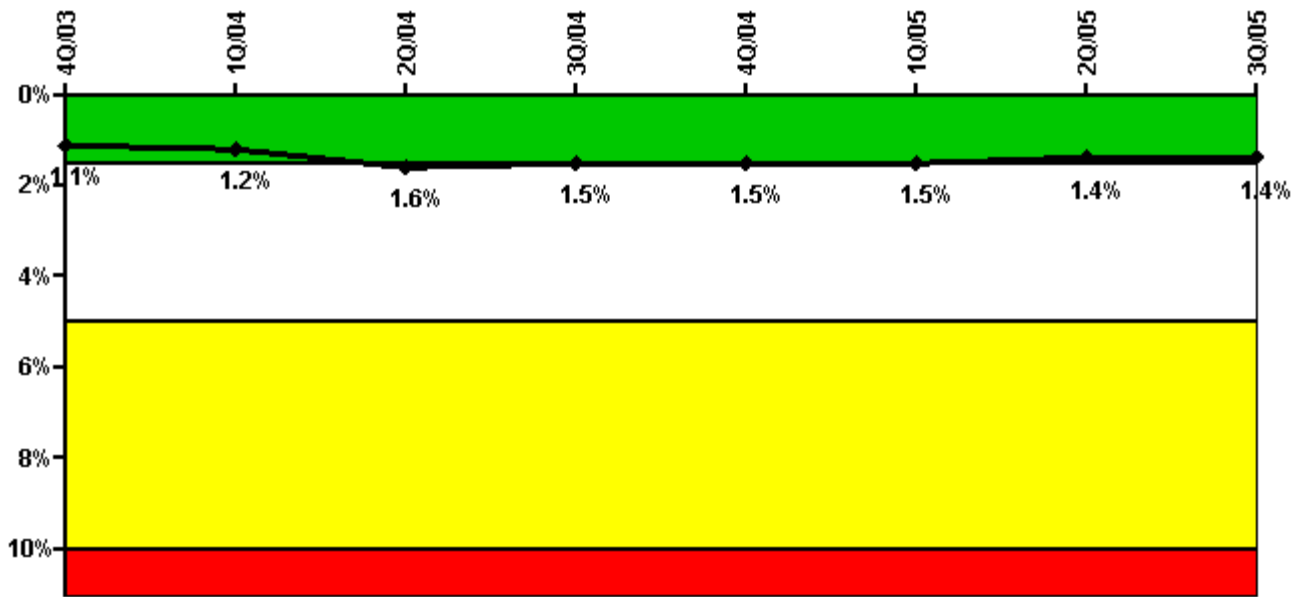
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	55.94	21.65	2.76	20.36	32.36	5.41	5.68	19.83
Unplanned unavailable hours	0	0	46.28	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	1880.70	2208.00	2151.98	653.21	1398.65	2208.00
Indicator value	2.9%	2.7%	2.7%	2.5%	2.6%	2.3%	2.1%	2.1%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



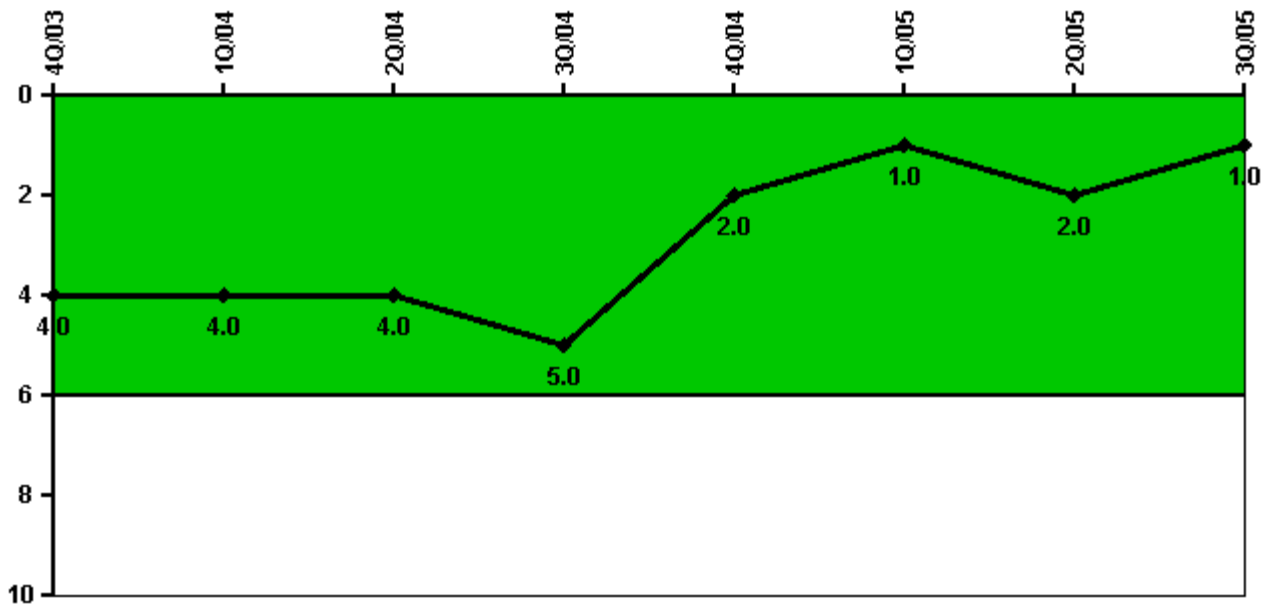
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	52.97	19.50	2.05	3.75	29.10	5.85	1.18	0.72
Unplanned unavailable hours	0	0	108.95	0	0	0	2.53	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	1.22	0.67	120.65	1.15	41.67	4.57	4.22	27.67
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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.1%	1.2%	1.6%	1.5%	1.5%	1.5%	1.4%	1.4%

Licensee Comments: none

Safety System Functional Failures (BWR)



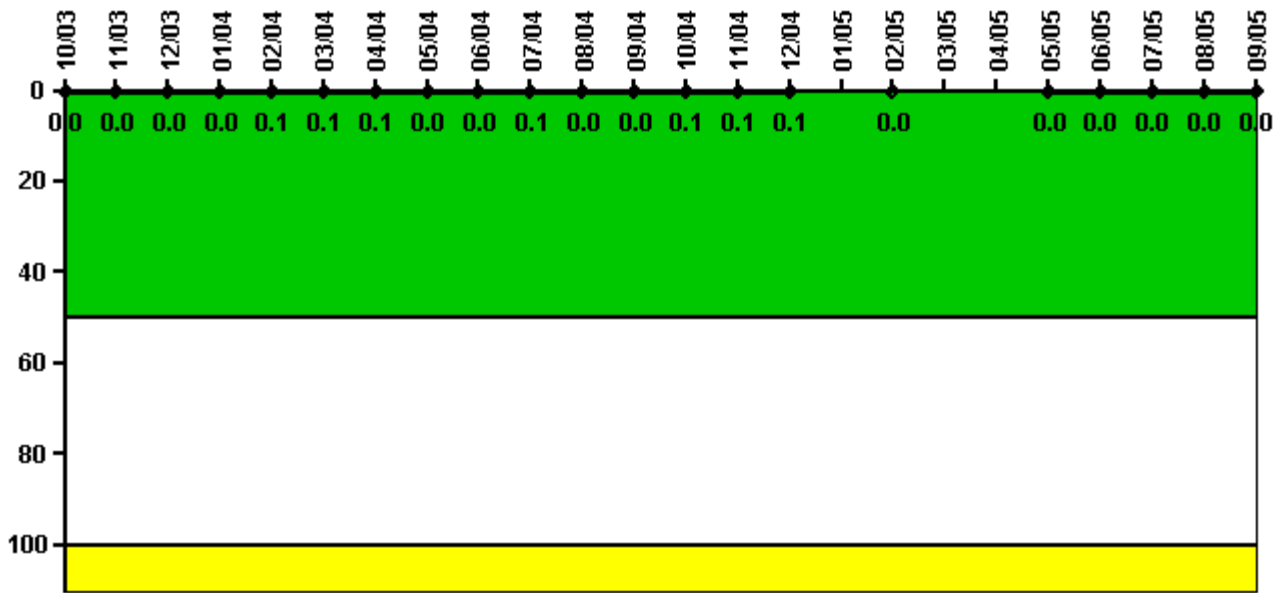
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Safety System Functional Failures	3	1	0	1	0	0	1	0
Indicator value	4	4	4	5	2	1	2	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

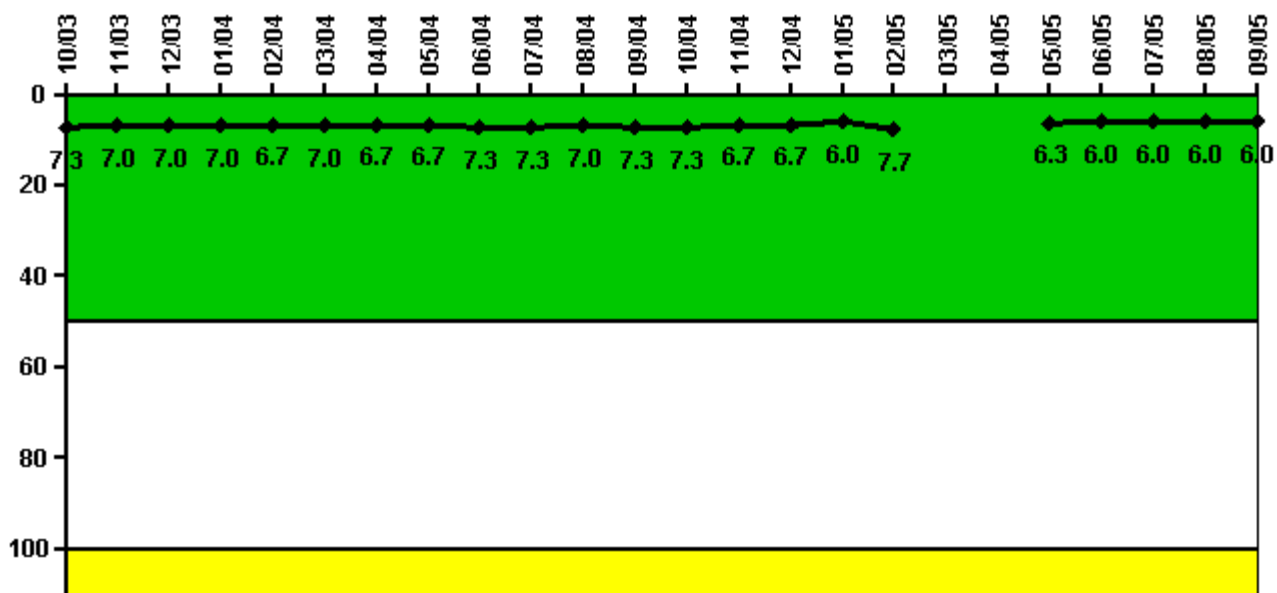
Notes

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	0.000059	0.000066	0.000087	0.000073	0.000112	0.000109	0.000100	0.000098	0.000064	0.000119	0.000079	0.000079
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0.1	0.1	0.1	0	0	0.1	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	0.000115	0.000140	0.000134	N/A	0.000057	N/A	N/A	0.000030	0.000032	0.000029	0.000036	0.000054
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0.1	N/A	0	N/A	N/A	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



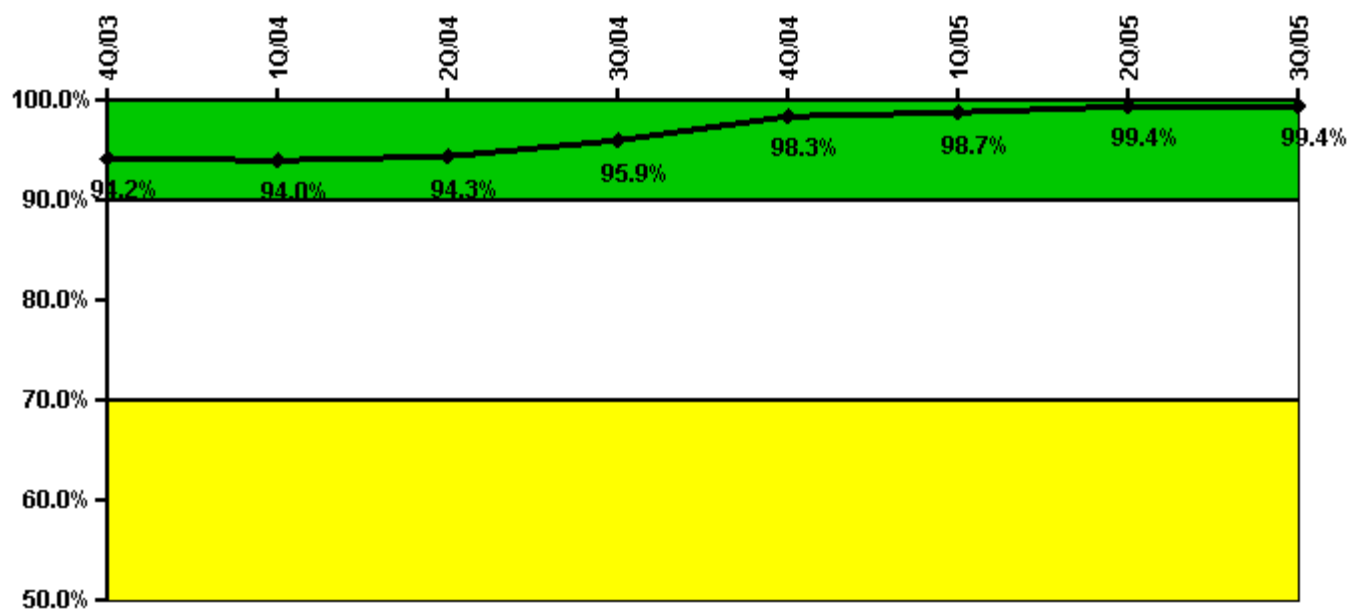
Thresholds: White > 50.0 Yellow > 100.0

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	2.200	2.100	2.100	2.100	2.000	2.100	2.000	2.000	2.200	2.200	2.100	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.0	7.0	7.0	6.7	7.0	6.7	6.7	7.3	7.3	7.0	7.3
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	2.200	2.000	2.000	1.800	2.300	N/A	N/A	1.900	1.800	1.800	1.800	1.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	6.7	6.7	6.0	7.7	N/A	N/A	6.3	6.0	6.0	6.0	6.0

Licensee Comments: none

Drill/Exercise Performance



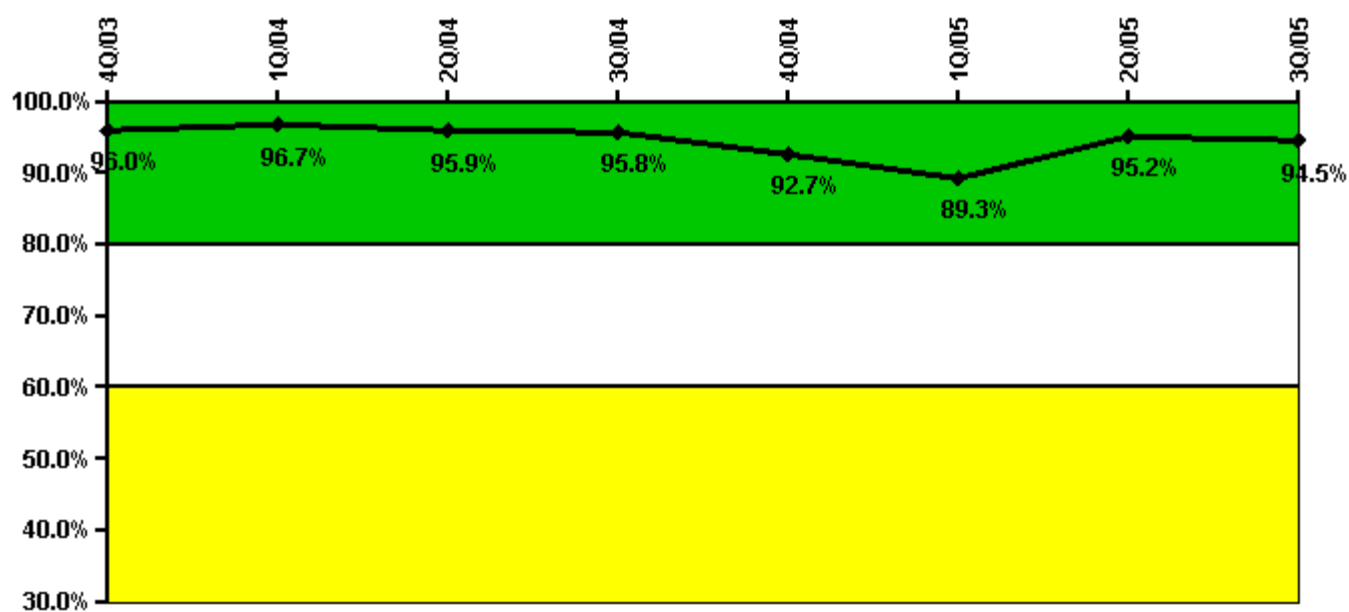
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	38.0	14.0	15.0	24.0	50.0	0	20.0	10.0
Total opportunities	38.0	14.0	16.0	24.0	50.0	0	20.0	10.0
Indicator value	94.2%	94.0%	94.3%	95.9%	98.3%	98.7%	99.4%	99.4%

Licensee Comments: none

ERO Drill Participation



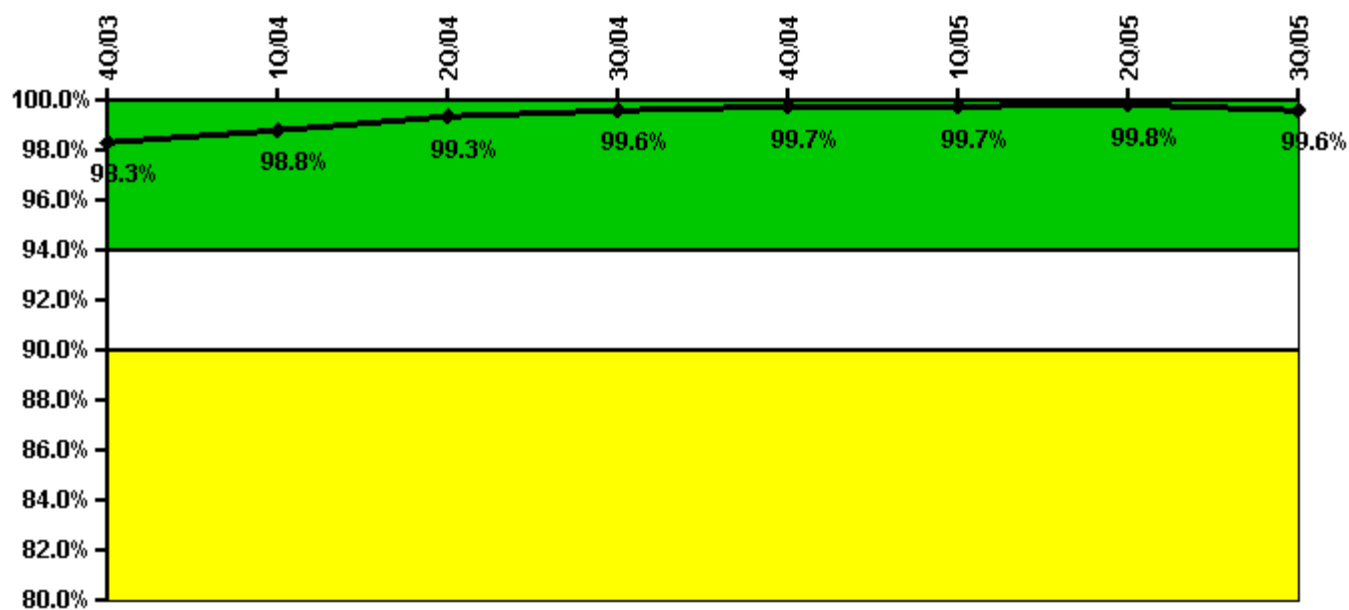
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	144.0	146.0	141.0	137.0	127.0	117.0	119.0	121.0
Total Key personnel	150.0	151.0	147.0	143.0	137.0	131.0	125.0	128.0
Indicator value	96.0%	96.7%	95.9%	95.8%	92.7%	89.3%	95.2%	94.5%

Licensee Comments: none

Alert & Notification System



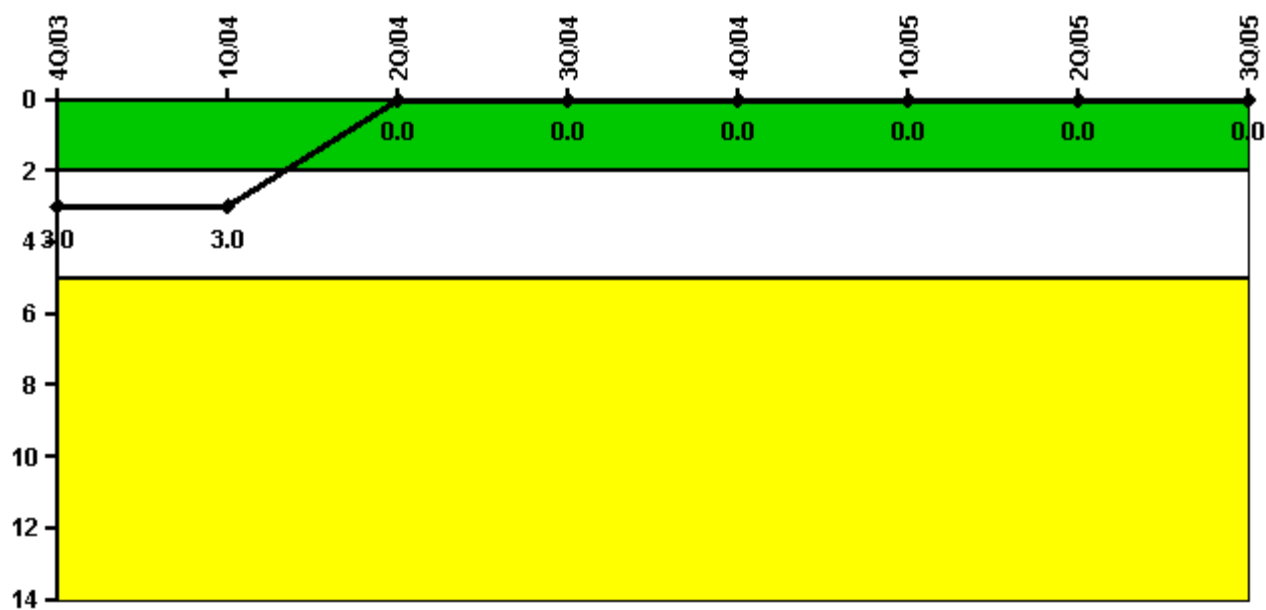
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	452	530	530	532	529	531	531	528
Total sirens-tests	456	532	532	532	532	532	532	532
Indicator value	98.3%	98.8%	99.3%	99.6%	99.7%	99.7%	99.8%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



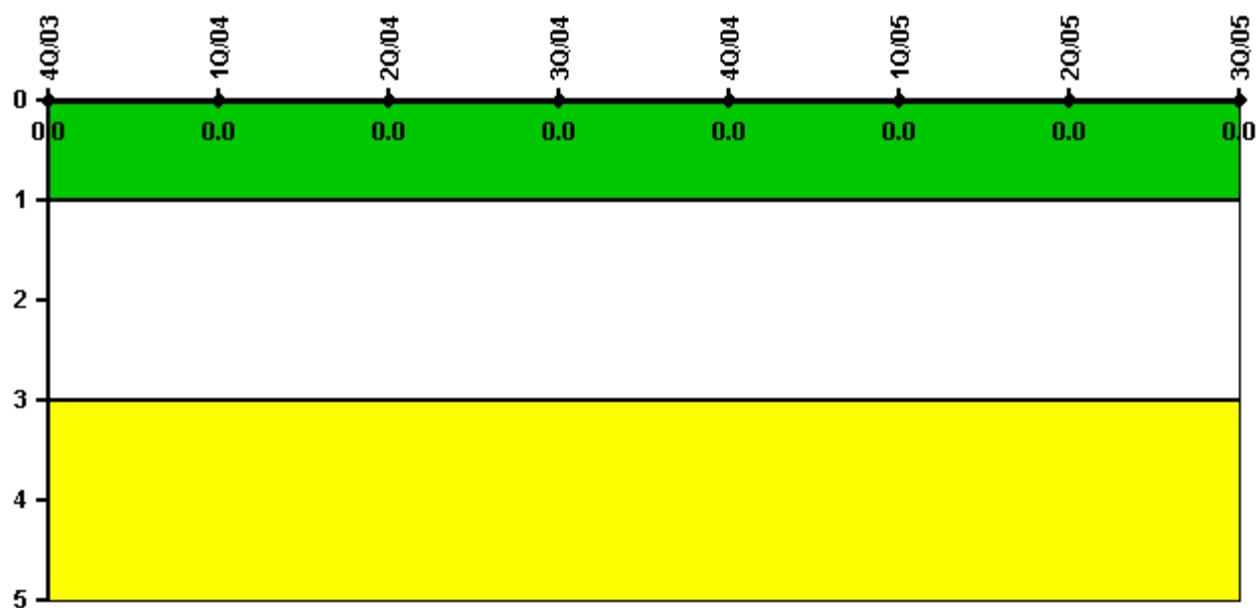
Thresholds: White > 2.0 Yellow > 5.0

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	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	3	3	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/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

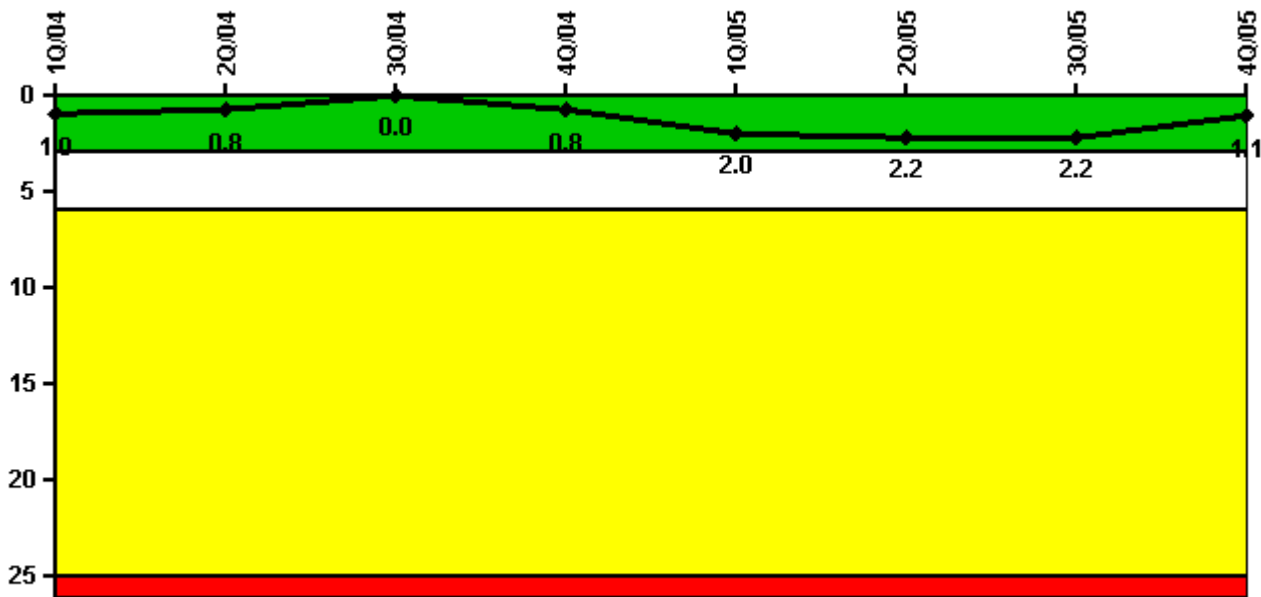
[Physical Protection](#) information not publicly available.

Perry 1

4Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



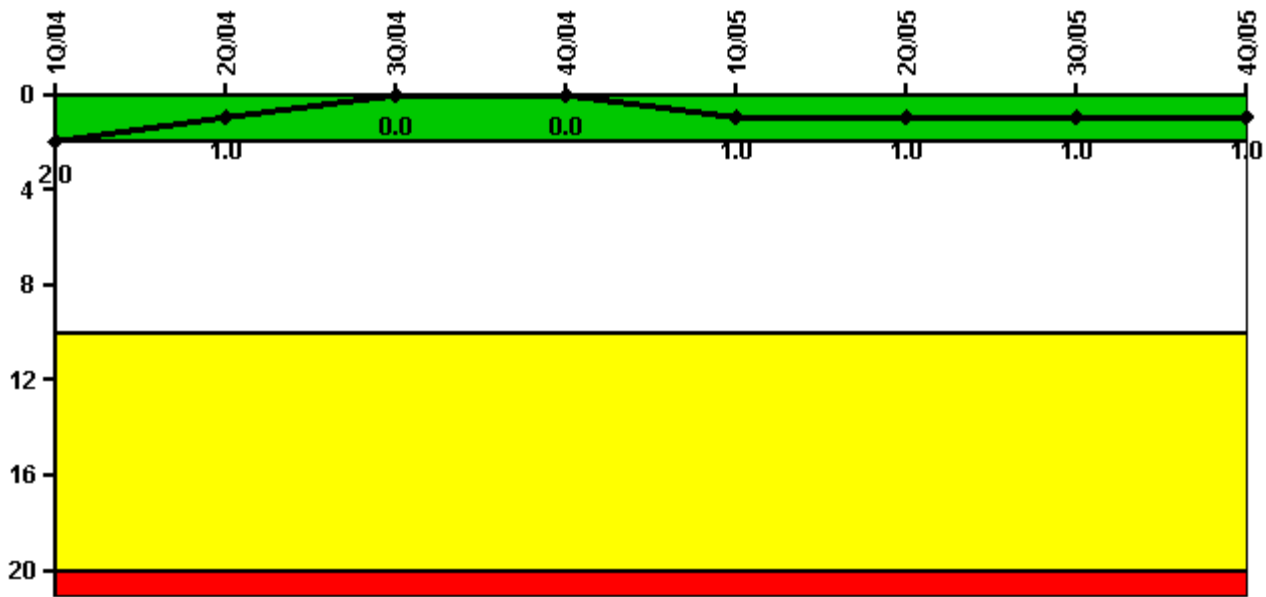
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0	0	0
Critical hours	2184.0	1880.7	2208.0	2152.0	653.2	1398.7	2208.0	2209.0
Indicator value	1.0	0.8	0	0.8	2.0	2.2	2.2	1.1

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



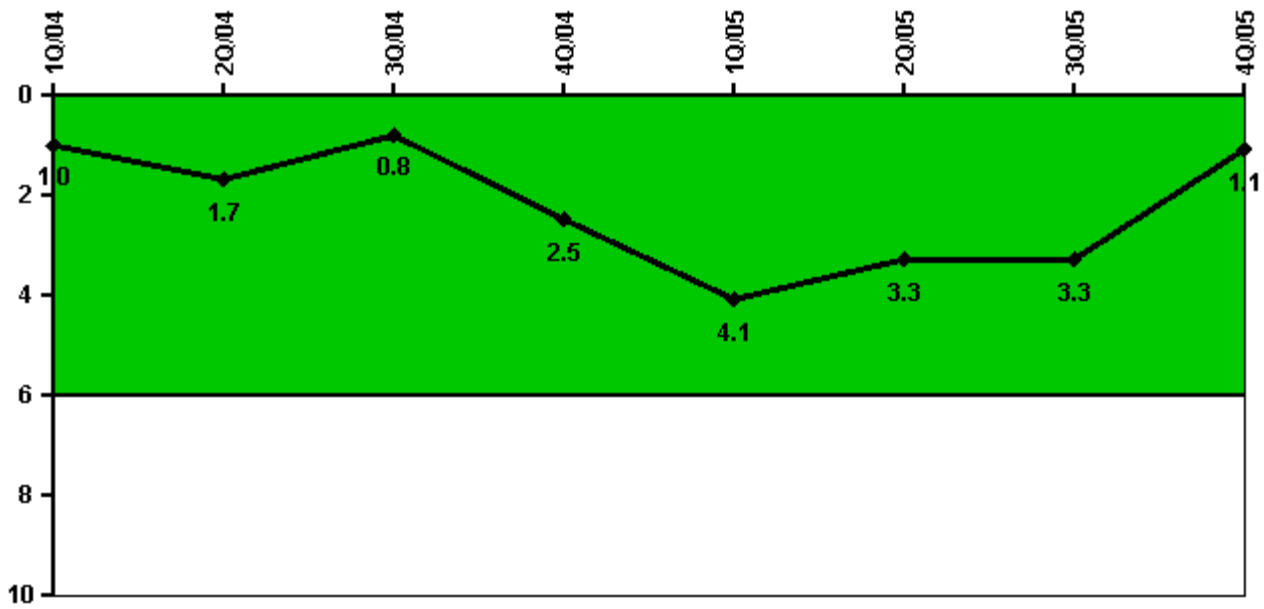
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	0	0	0
Indicator value	2.0	1.0	0	0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



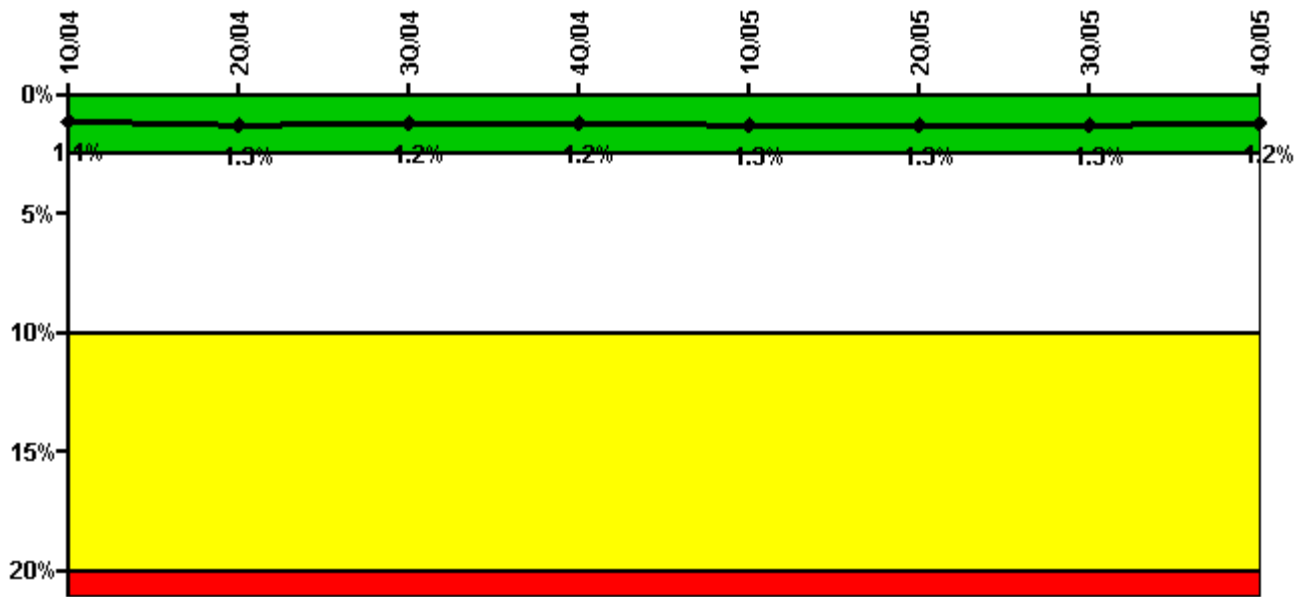
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	1.0	0	2.0	1.0	0	0	0
Critical hours	2184.0	1880.7	2208.0	2152.0	653.2	1398.7	2208.0	2209.0
Indicator value	1.0	1.7	0.8	2.5	4.1	3.3	3.3	1.1

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



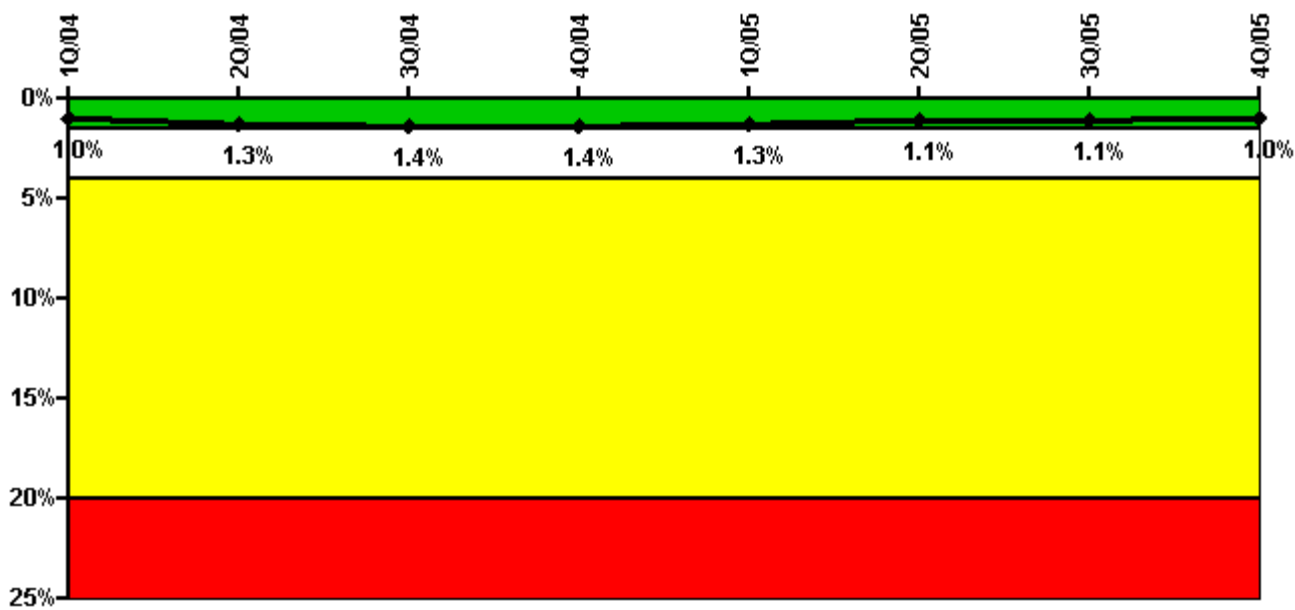
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	20.15	6.92	7.98	54.19	8.85	8.68	3.61	4.83
Unplanned unavailable hours	0	52.48	0	0	0	0.37	0	21.95
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	8.57	5.77	30.68	8.83	8.04	10.75	67.68	11.91
Unplanned unavailable hours	0	0	0	0	67.28	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	1.33	126.36	8.18	2.36	3.43	52.67	3.19	2.04
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	1.1%	1.3%	1.2%	1.2%	1.3%	1.3%	1.3%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



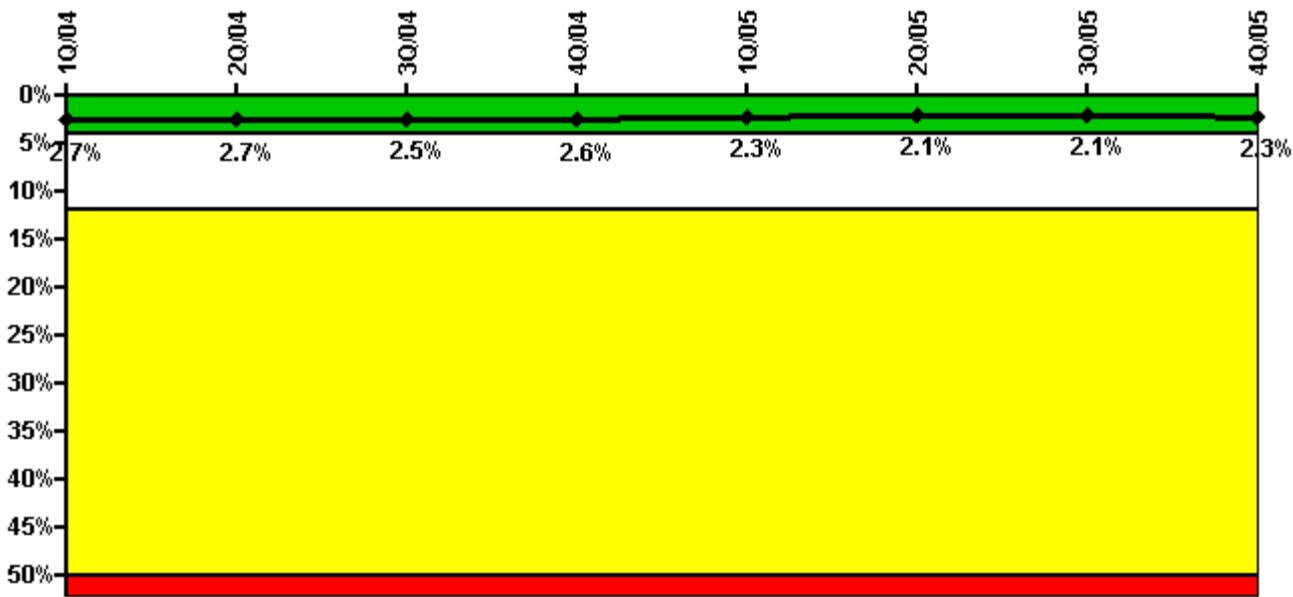
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0.85	108.30	13.53	2.18	0	51.98	1.50	1.22
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	1880.70	2208.00	2151.98	653.21	1398.65	2208.00	2209.00
Indicator value	1.0%	1.3%	1.4%	1.4%	1.3%	1.1%	1.1%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



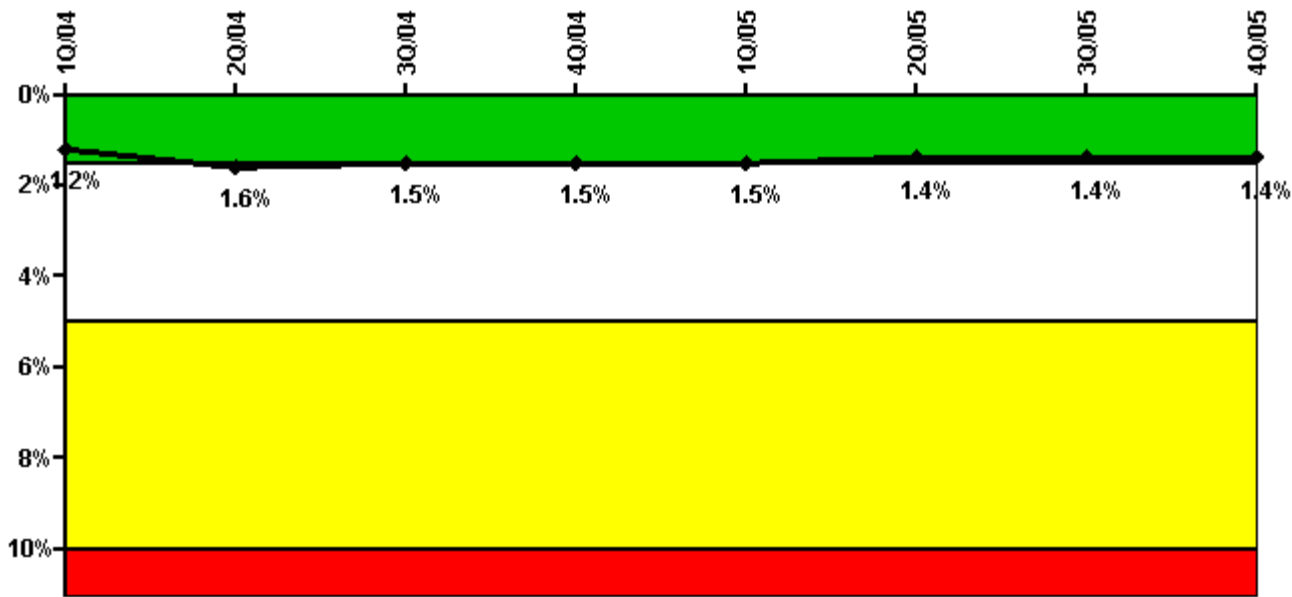
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	21.65	2.76	20.36	32.36	5.41	5.68	19.83	59.06
Unplanned unavailable hours	0	46.28	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	1880.70	2208.00	2151.98	653.21	1398.65	2208.00	2209.00
Indicator value	2.7%	2.7%	2.5%	2.6%	2.3%	2.1%	2.1%	2.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



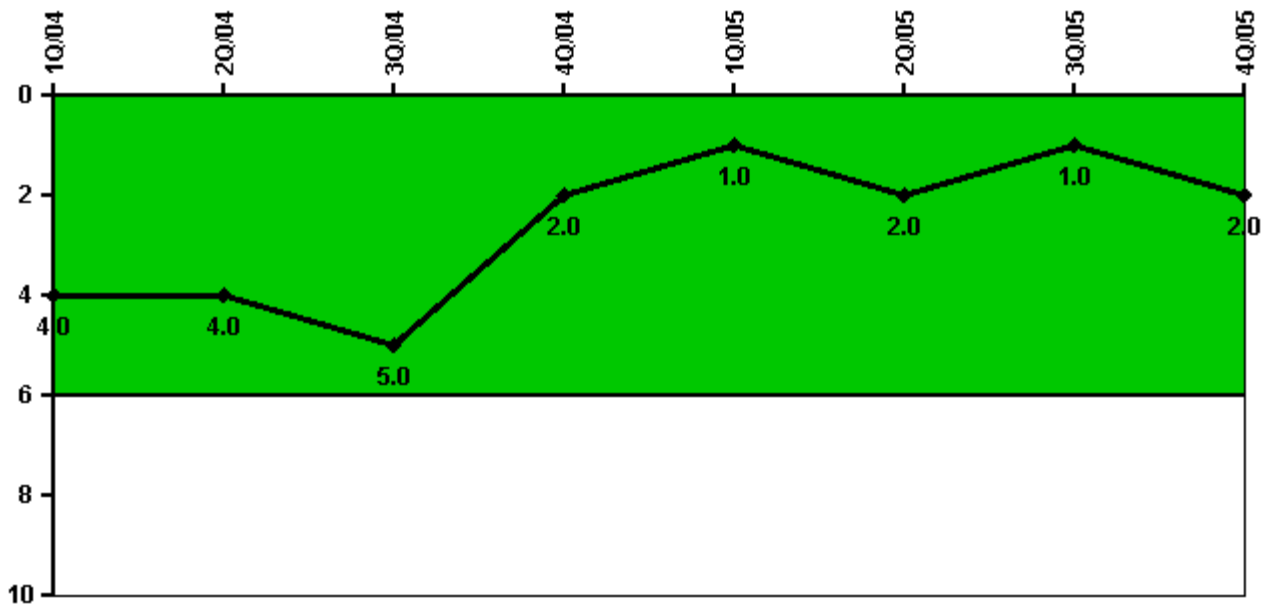
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	19.50	2.05	3.75	29.10	5.85	1.18	0.72	58.06
Unplanned unavailable hours	0	108.95	0	0	0	2.53	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	0.67	120.65	1.15	41.67	4.57	4.22	27.67	17.27
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	1.2%	1.6%	1.5%	1.5%	1.5%	1.4%	1.4%	1.4%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

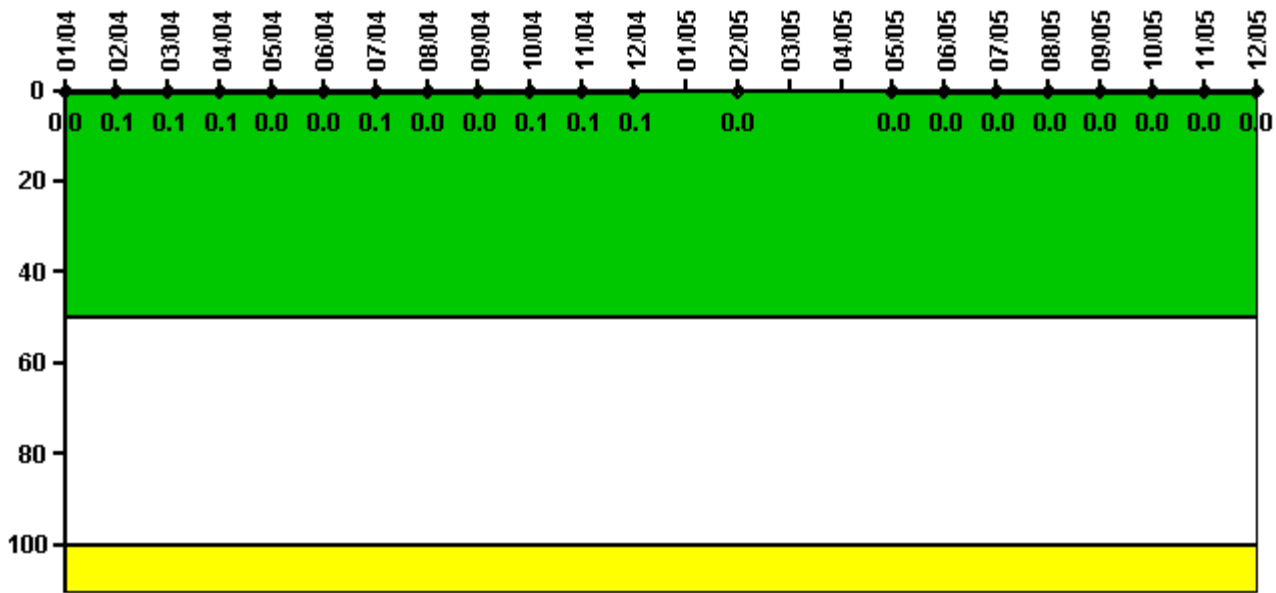
Notes

Safety System Functional Failures (BWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Safety System Functional Failures	1	0	1	0	0	1	0	1
Indicator value	4	4	5	2	1	2	1	2

Licensee Comments:

4Q/05: Licensee Event Report (LER) 2005-03 documented the isolation of the High Pressure Core Spray pump suction flow path resulting in pump inoperability.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

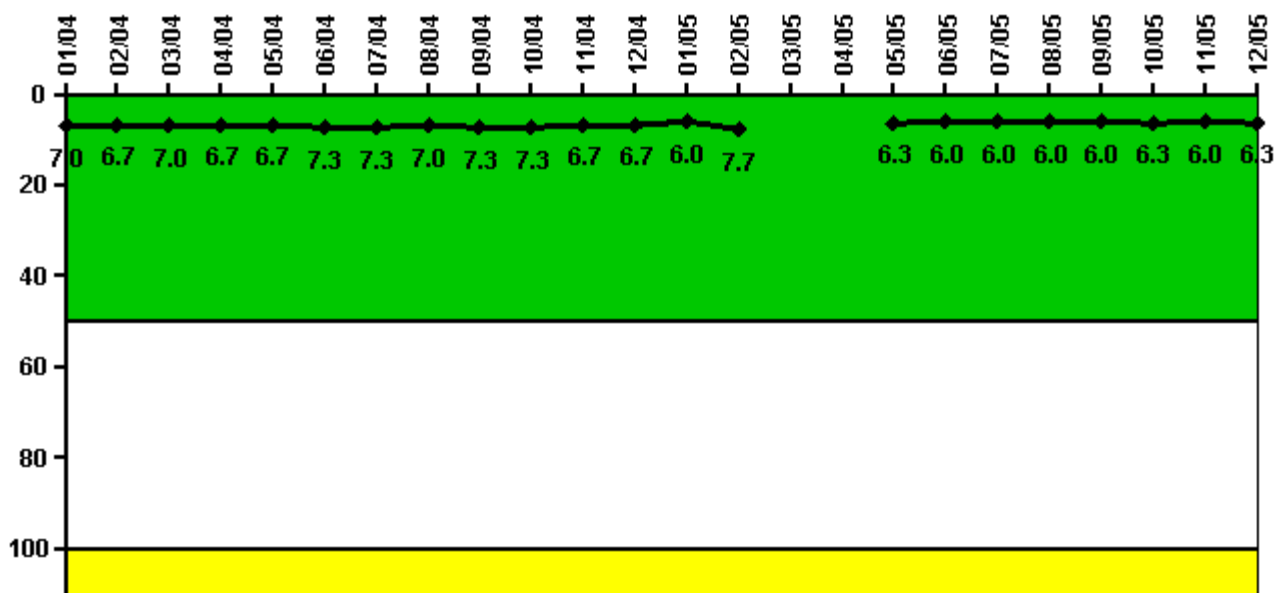
Notes

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	0.000073	0.000112	0.000109	0.000100	0.000098	0.000064	0.000119	0.000079	0.000079	0.000115	0.000140	0.000134
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0.1	0.1	0.1	0	0	0.1	0	0	0.1	0.1	0.1

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	N/A	0.000057	N/A	N/A	0.000030	0.000032	0.000029	0.000036	0.000054	0.000034	0.000032	0.000035
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0	N/A	N/A	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



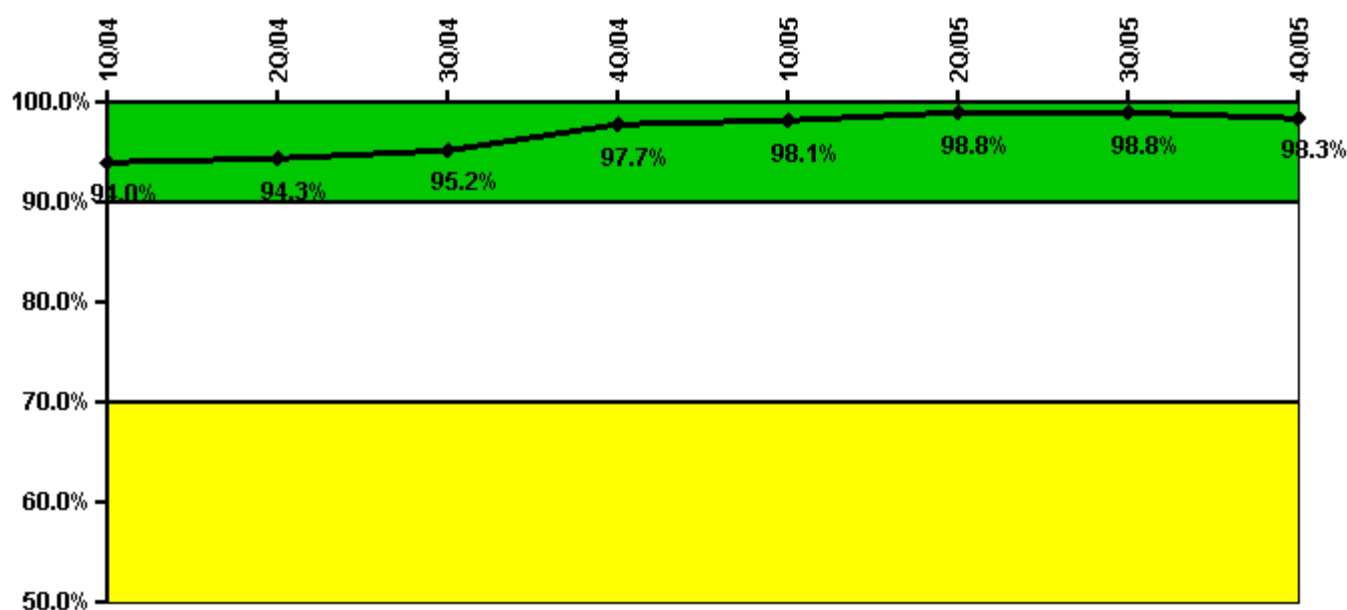
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	2.100	2.000	2.100	2.000	2.000	2.200	2.200	2.100	2.200	2.200	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	6.7	7.0	6.7	6.7	7.3	7.3	7.0	7.3	7.3	6.7	6.7
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	1.800	2.300	N/A	N/A	1.900	1.800	1.800	1.800	1.800	1.900	1.800	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.0	7.7	N/A	N/A	6.3	6.0	6.0	6.0	6.0	6.3	6.0	6.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

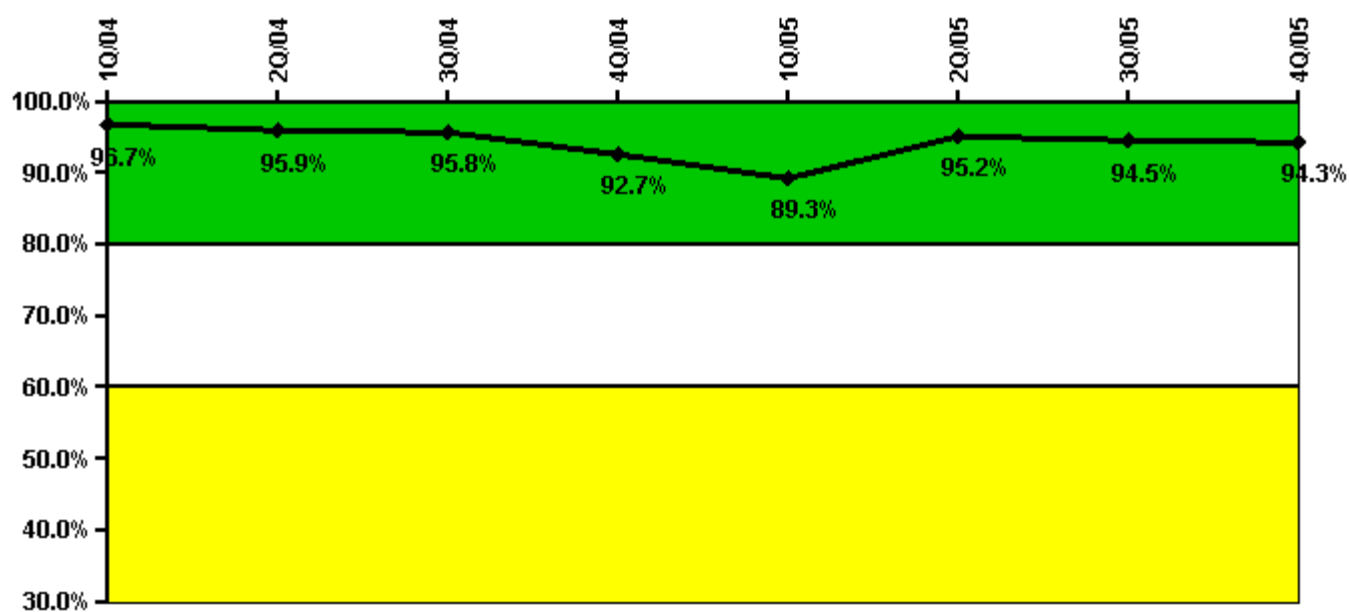
Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	14.0	15.0	23.0	50.0	0	20.0	10.0	43.0
Total opportunities	14.0	16.0	24.0	50.0	0	20.0	10.0	44.0
Indicator value	94.0%	94.3%	95.2%	97.7%	98.1%	98.8%	98.8%	98.3%

Licensee Comments:

4Q/05: Data Correction: DEP data for Q3 2004 was corrected to reflect a failed opportunity to classify an event. An event was incorrectly classified due to a failed instrument. No event occurred. The data was changed to reflect 1/2 opportunities correct, rather than 2/2 in July and 23/24 for the quarter. This change does not affect the indicator color.

3Q/04: Data Correction: DEP data for Q2 2003 was corrected to remove an opportunity from an actual event that occurred in April 2003. Due to the transient nature of the event, no notification opportunity should have been counted. The data was changed to reflect 0/1 opportunities correct, rather than 1/2. This change does not affect the indicator color. Data Correction: DEP data for July 2004 was corrected to reflect a failed opportunity to classify an event. An event was incorrectly classified due to a failed instrument. No event occurred. The data was changed to reflect 1/2 opportunities correct, rather than 2/2 in July and 23/24 for the quarter. This change does not affect the indicator color.

ERO Drill Participation



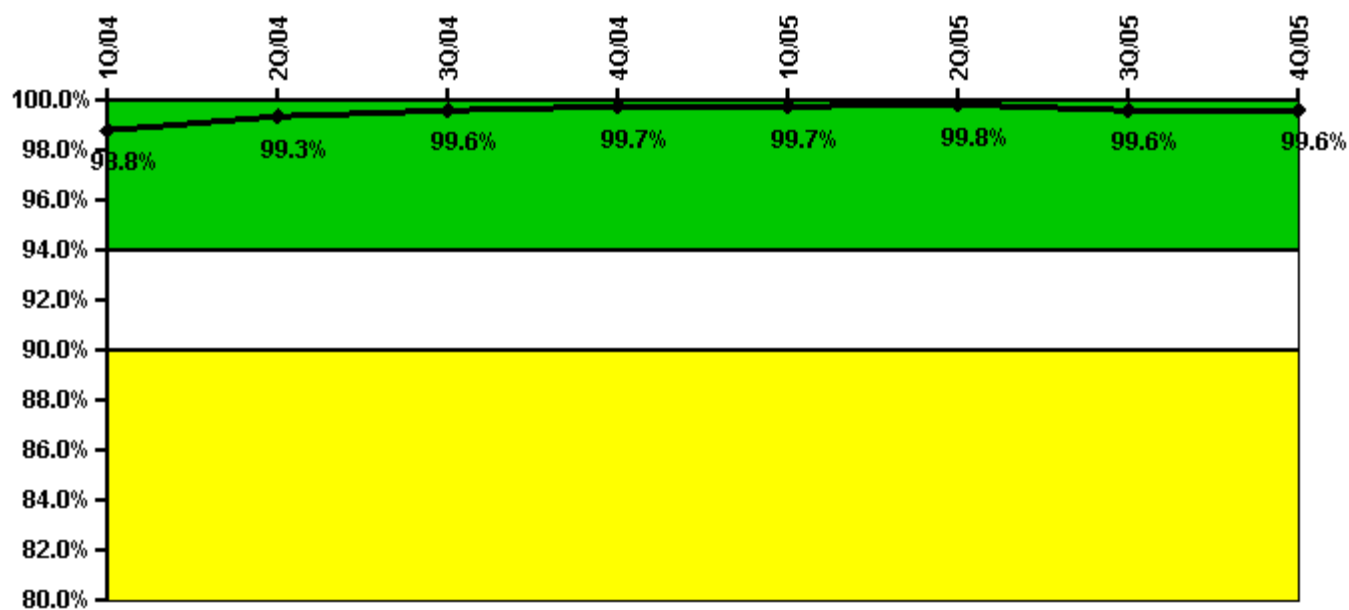
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	146.0	141.0	137.0	127.0	117.0	119.0	121.0	133.0
Total Key personnel	151.0	147.0	143.0	137.0	131.0	125.0	128.0	141.0
Indicator value	96.7%	95.9%	95.8%	92.7%	89.3%	95.2%	94.5%	94.3%

Licensee Comments: none

Alert & Notification System



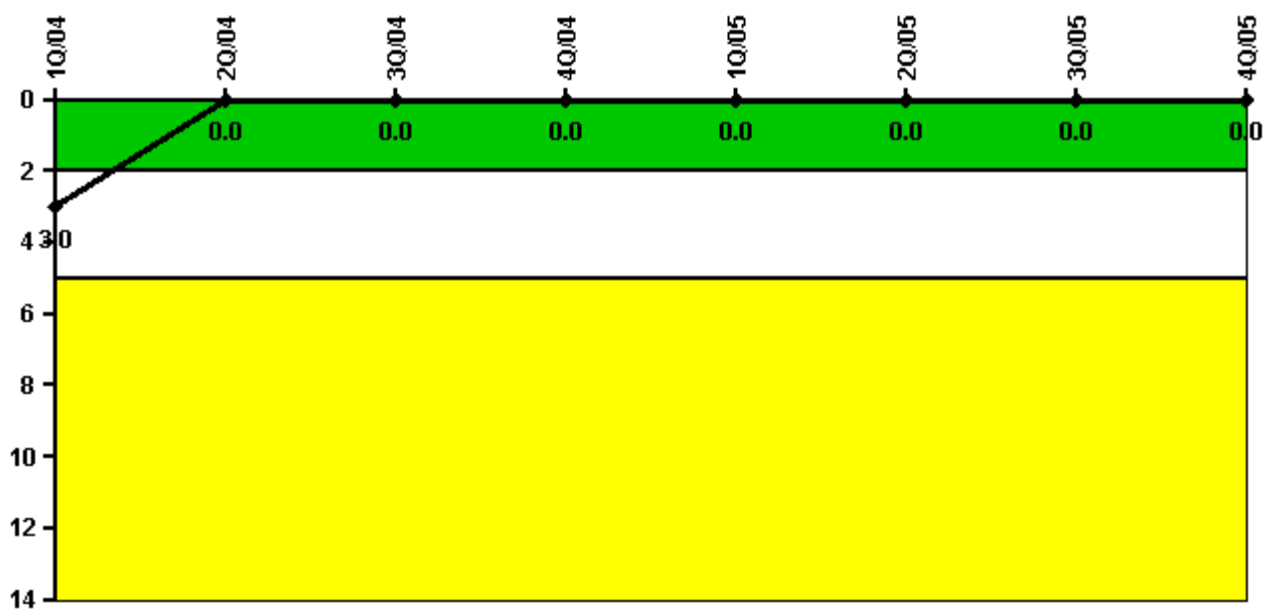
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	530	530	532	529	531	531	528	529
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	98.8%	99.3%	99.6%	99.7%	99.7%	99.8%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness

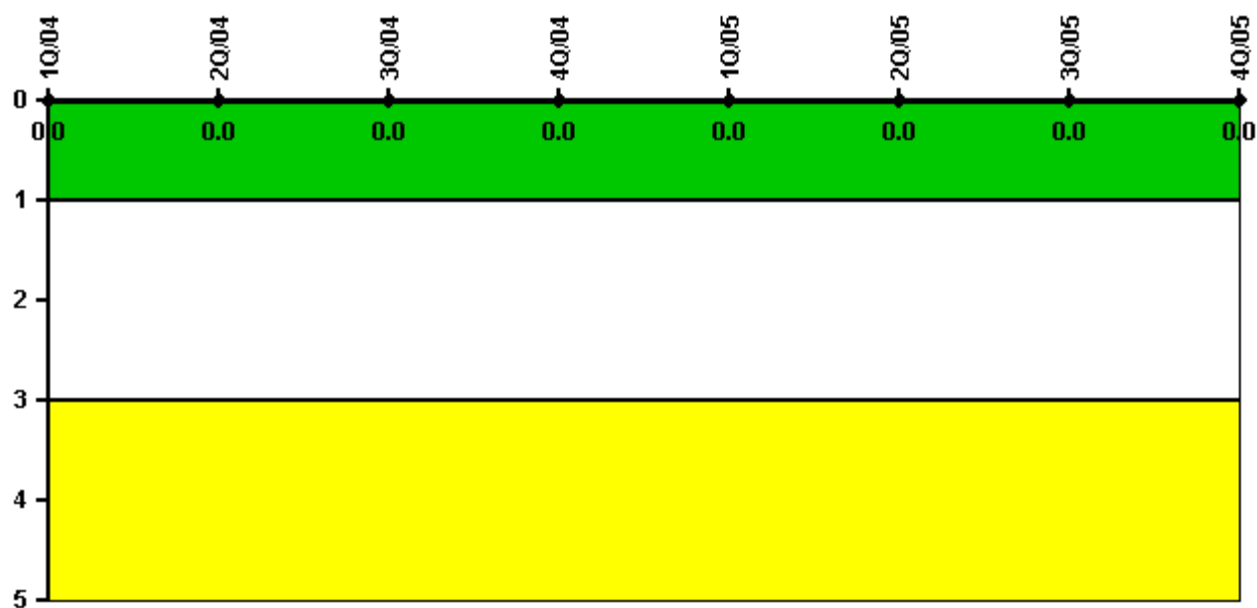


Thresholds: White > 2.0 Yellow > 5.0

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	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	3	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/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](#)

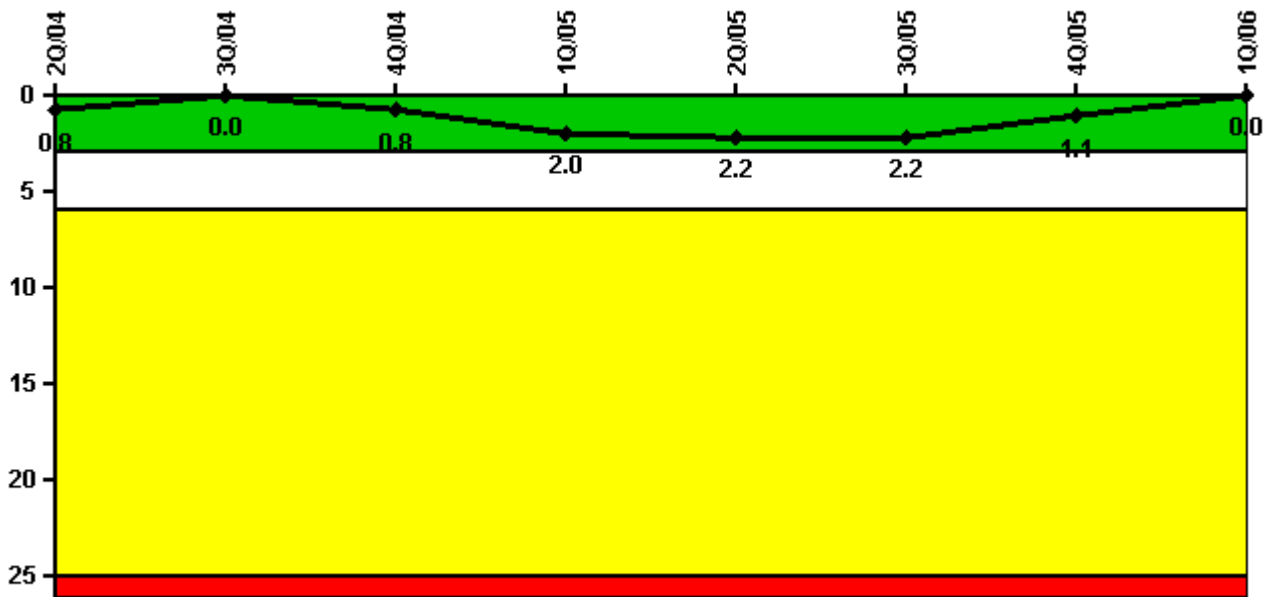
Last Modified: January 30, 2006

Perry 1

1Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



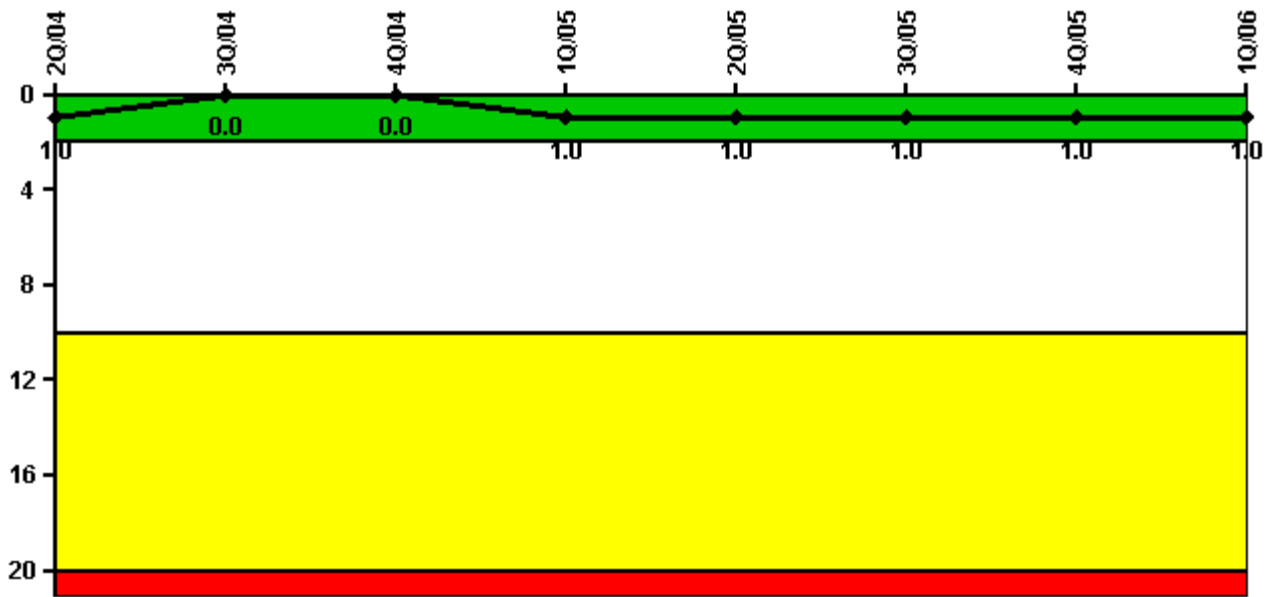
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0	0	0	0
Critical hours	1880.7	2208.0	2152.0	653.2	1398.7	2208.0	2209.0	2160.0
Indicator value	0.8	0	0.8	2.0	2.2	2.2	1.1	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



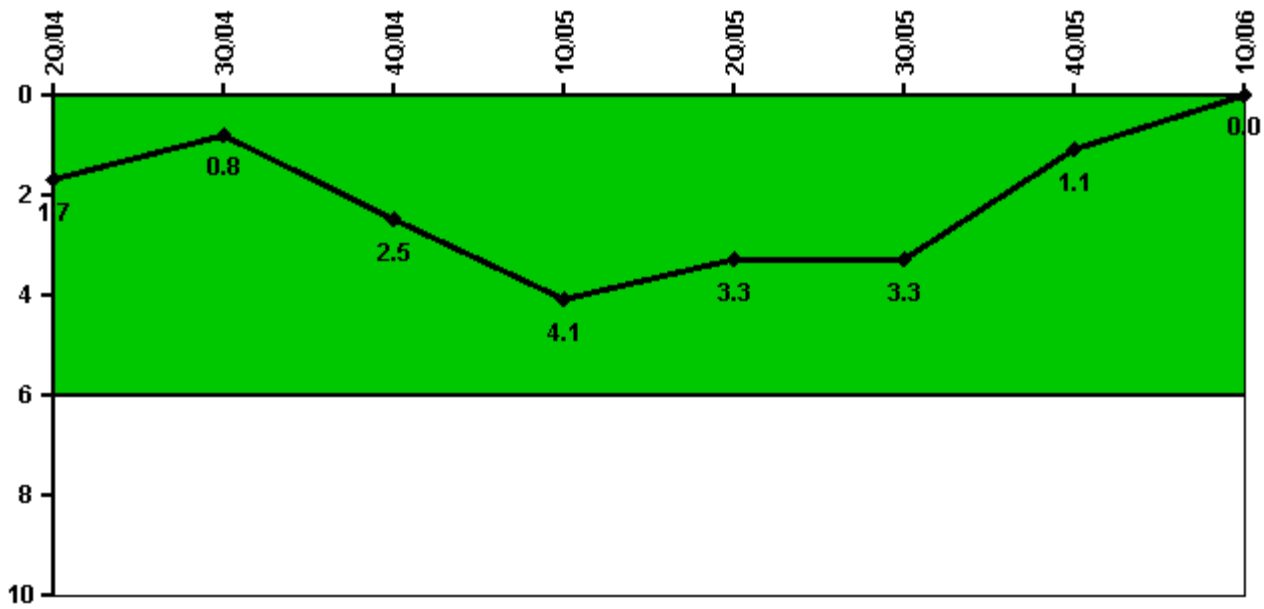
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	1.0	0	0	0	0
Indicator value	1.0	0	0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



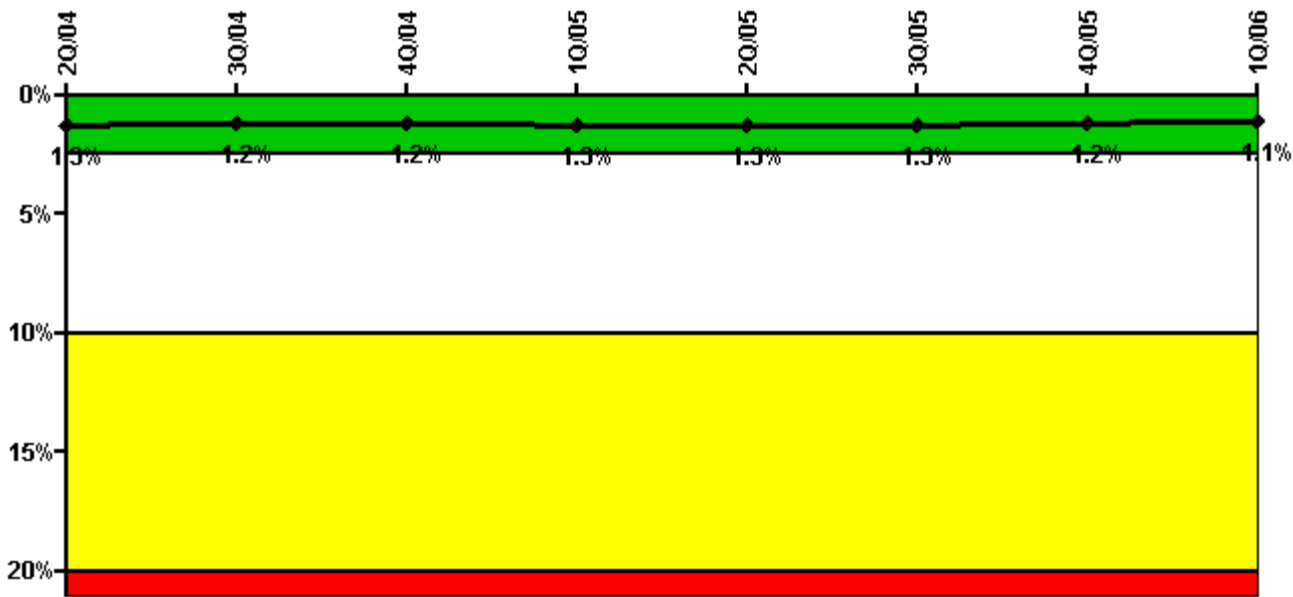
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	1.0	0	2.0	1.0	0	0	0	0
Critical hours	1880.7	2208.0	2152.0	653.2	1398.7	2208.0	2209.0	2160.0
Indicator value	1.7	0.8	2.5	4.1	3.3	3.3	1.1	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



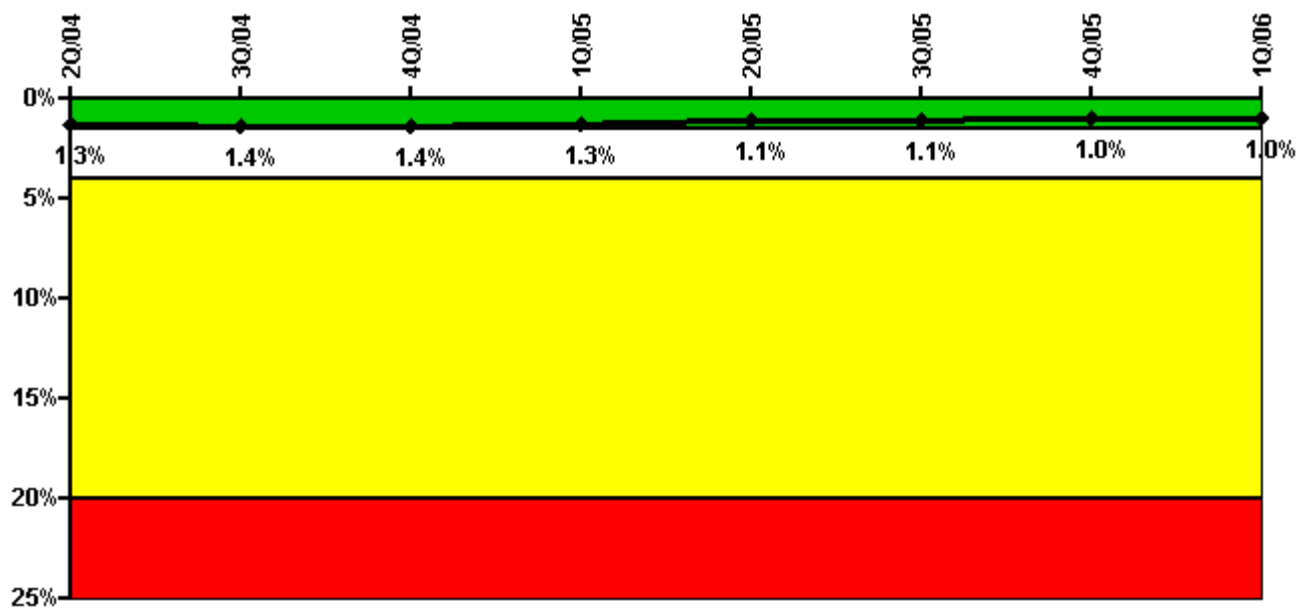
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	6.92	7.98	54.19	8.85	8.68	3.61	4.83	6.65
Unplanned unavailable hours	52.48	0	0	0	0.37	0	21.95	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	5.77	30.68	8.83	8.04	10.75	67.68	11.91	8.29
Unplanned unavailable hours	0	0	0	67.28	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	126.36	8.18	2.36	3.43	52.67	3.19	2.04	1.33
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	1.3%	1.2%	1.2%	1.3%	1.3%	1.3%	1.2%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCS)



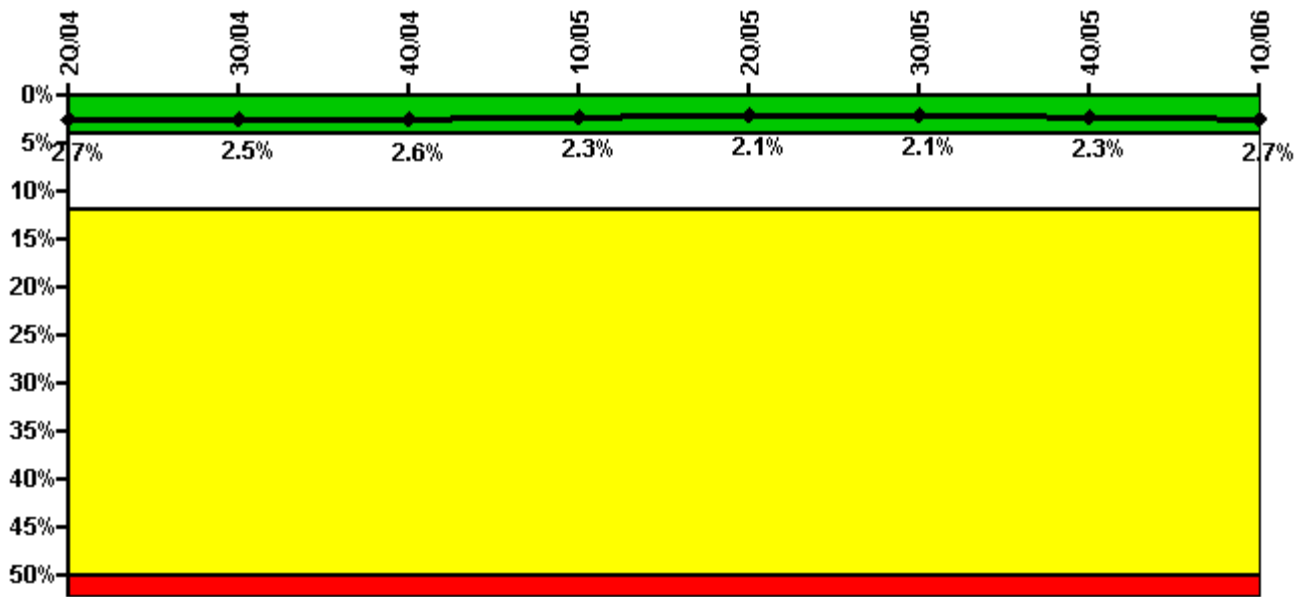
Thresholds: White > 1.5% Yellow > 4.0% Red > 20.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCS)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	108.30	13.53	2.18	0	51.98	1.50	1.22	4.98
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	1880.70	2208.00	2151.98	653.21	1398.65	2208.00	2209.00	1416.00
Indicator value	1.3%	1.4%	1.4%	1.3%	1.1%	1.1%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



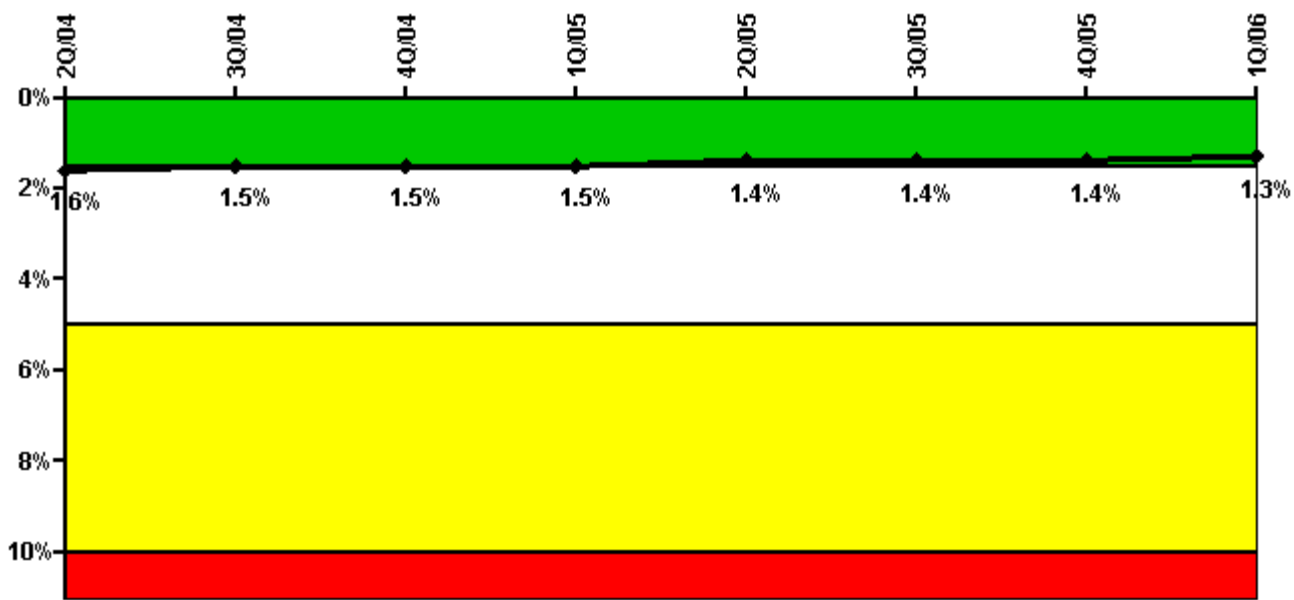
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	2.76	20.36	32.36	5.41	5.68	19.83	59.06	109.07
Unplanned unavailable hours	46.28	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	1880.70	2208.00	2151.98	653.21	1398.65	2208.00	2209.00	2160.00
Indicator value	2.7%	2.5%	2.6%	2.3%	2.1%	2.1%	2.3%	2.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



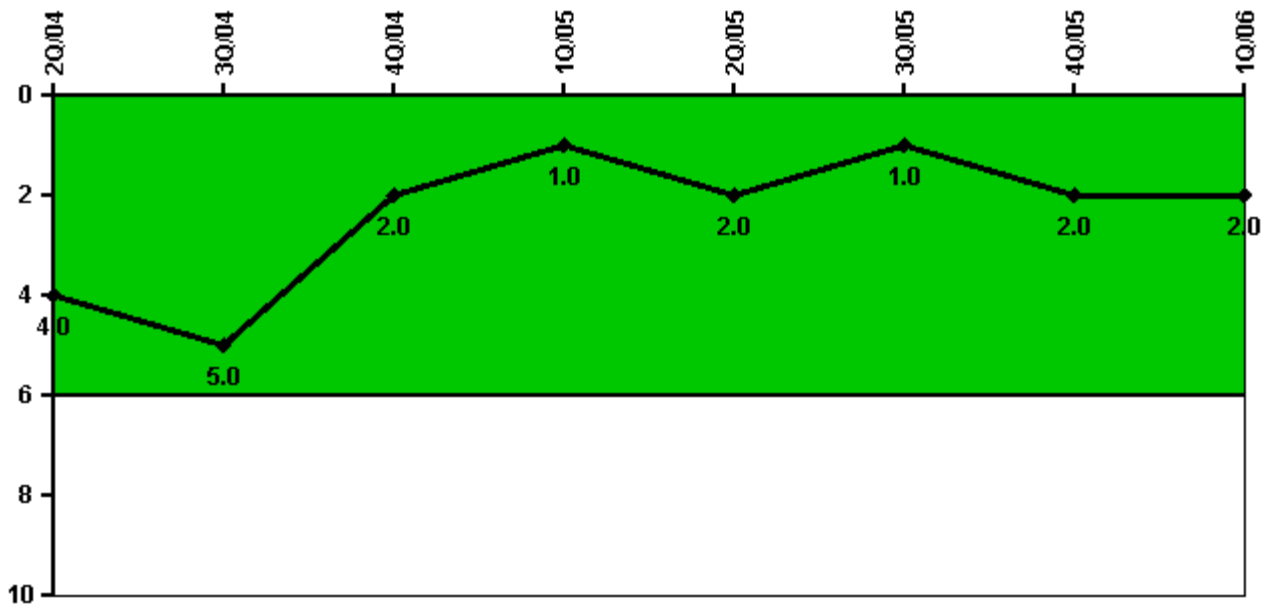
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	2.05	3.75	29.10	5.85	1.18	0.72	58.06	1.87
Unplanned unavailable hours	108.95	0	0	0	2.53	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	120.65	1.15	41.67	4.57	4.22	27.67	17.27	13.35
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	1.6%	1.5%	1.5%	1.5%	1.4%	1.4%	1.4%	1.3%

Licensee Comments: none

Safety System Functional Failures (BWR)



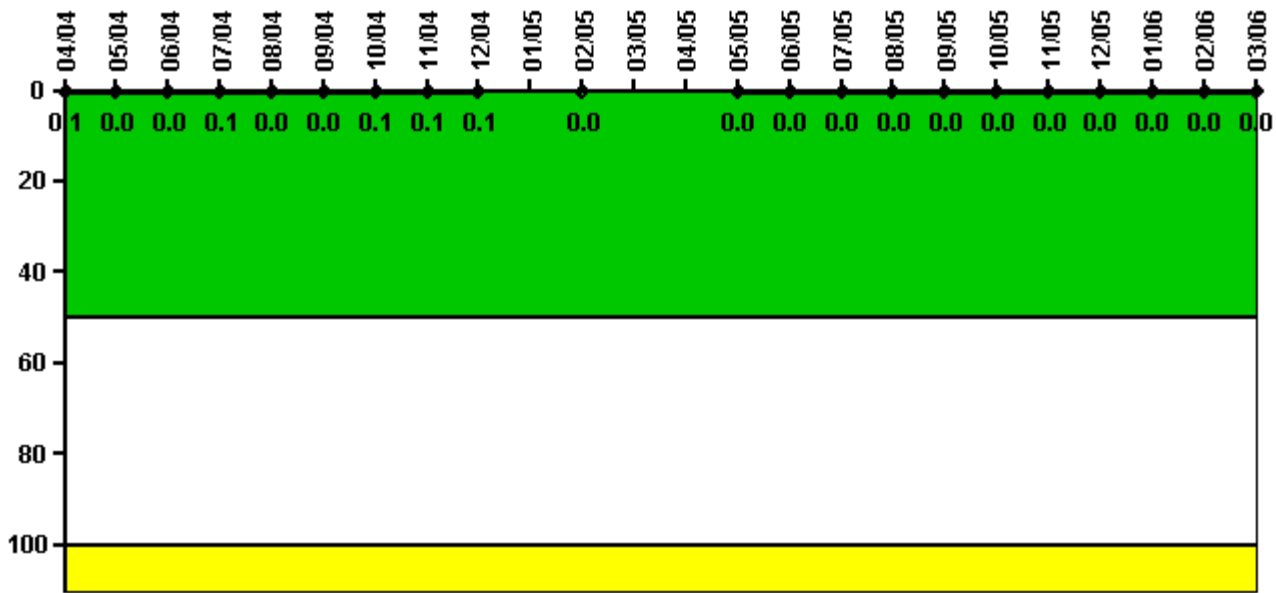
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	1	0	0	1	0	1	0
Indicator value	4	5	2	1	2	1	2	2

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

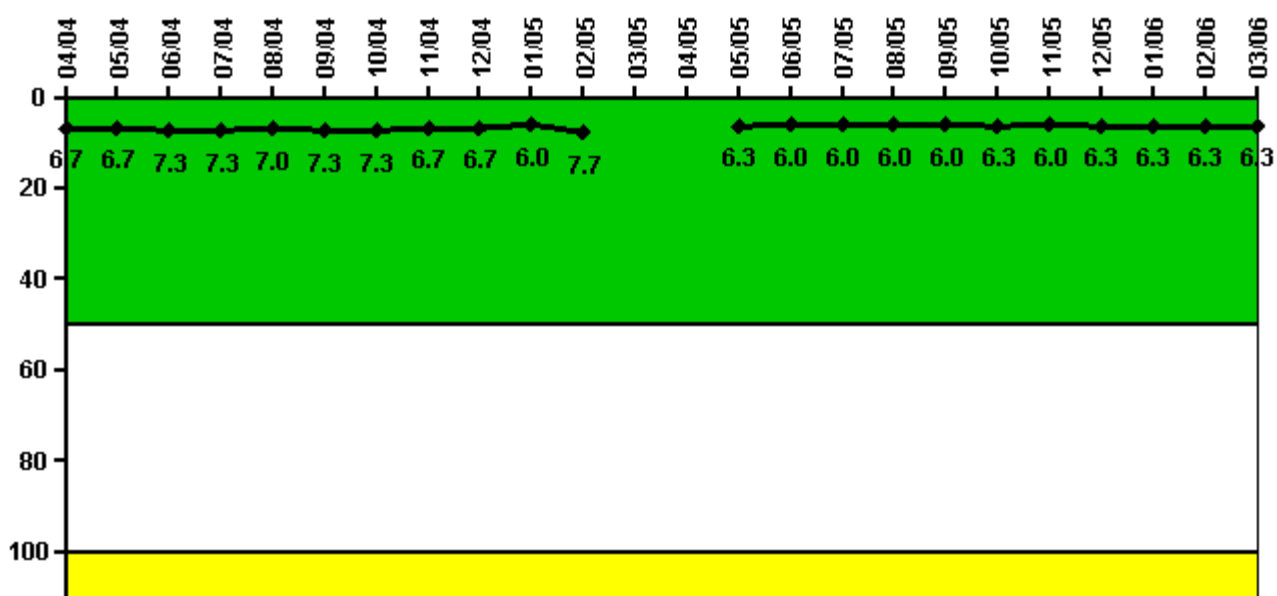
Notes

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	0.000100	0.000098	0.000064	0.000119	0.000079	0.000079	0.000115	0.000140	0.000134	N/A	0.000057	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0	0	0.1	0	0	0.1	0.1	0.1	N/A	0	N/A

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	N/A	0.000030	0.000032	0.000029	0.000036	0.000054	0.000034	0.000032	0.000035	0.000048	0.000035	0.000046
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage

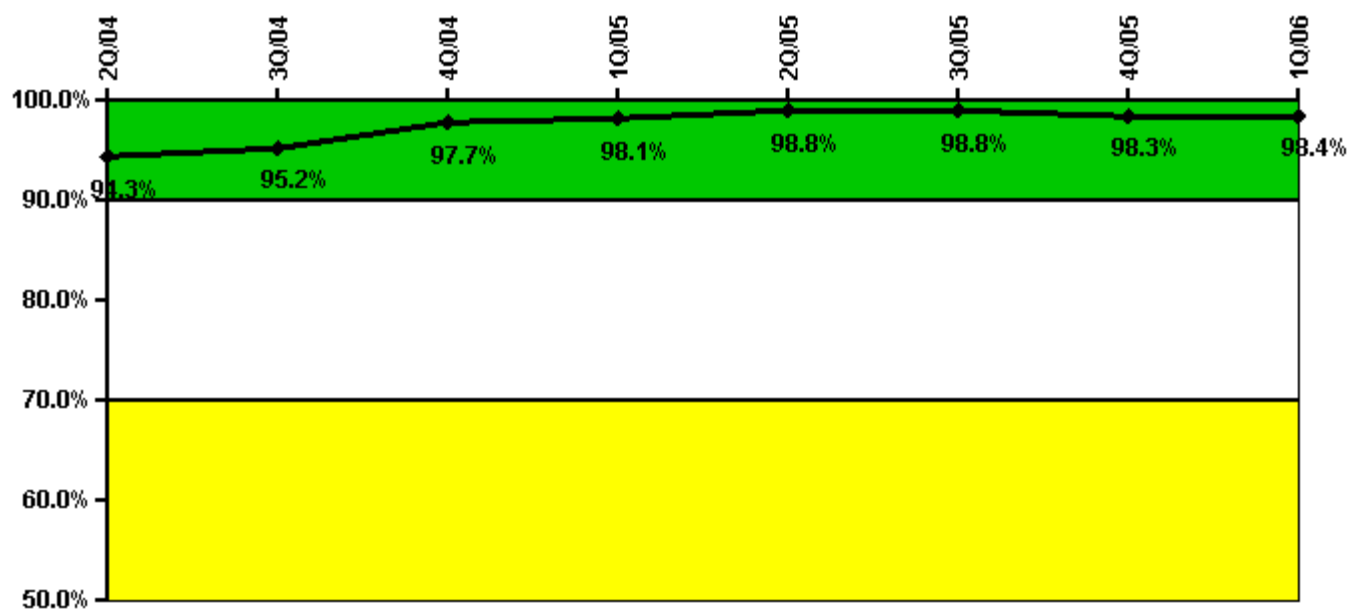


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	2.000	2.000	2.200	2.200	2.100	2.200	2.200	2.000	2.000	1.800	2.300	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.7	7.3	7.3	7.0	7.3	7.3	6.7	6.7	6.0	7.7	N/A
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	N/A	1.900	1.800	1.800	1.800	1.800	1.900	1.800	1.900	1.900	1.900	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	6.3	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.3

Licensee Comments: none

Drill/Exercise Performance

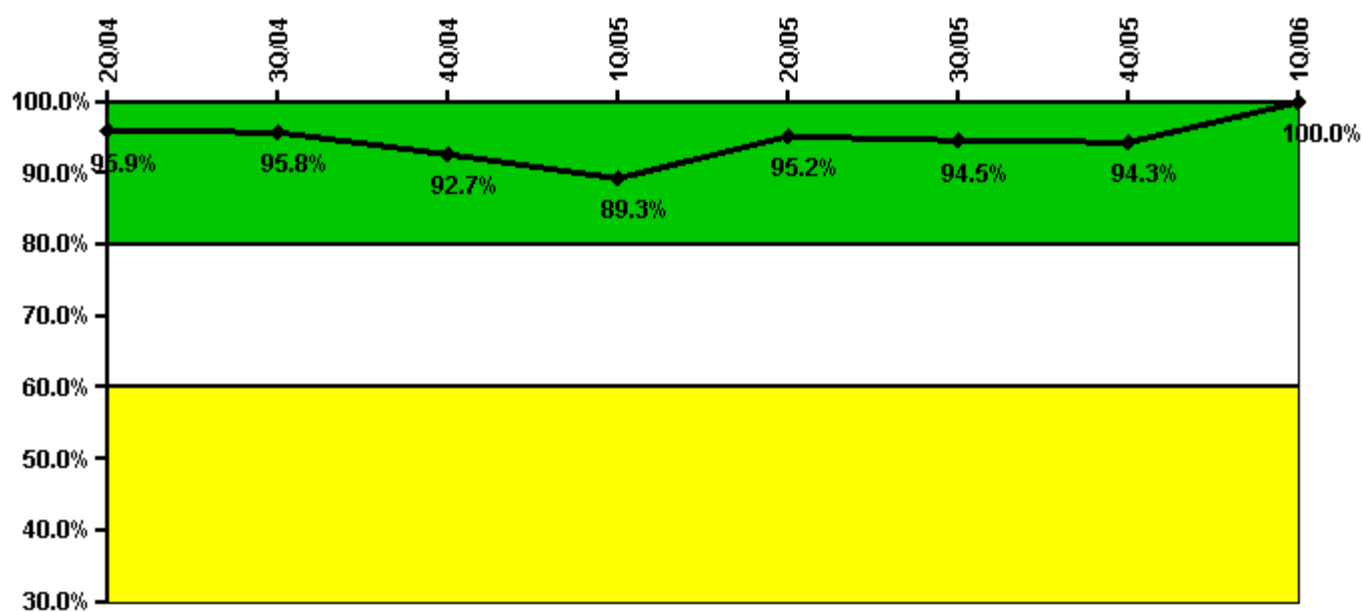
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	15.0	23.0	50.0	0	20.0	10.0	43.0	26.0
Total opportunities	16.0	24.0	50.0	0	20.0	10.0	44.0	26.0
Indicator value	94.3%	95.2%	97.7%	98.1%	98.8%	98.8%	98.3%	98.4%

Licensee Comments: none

ERO Drill Participation



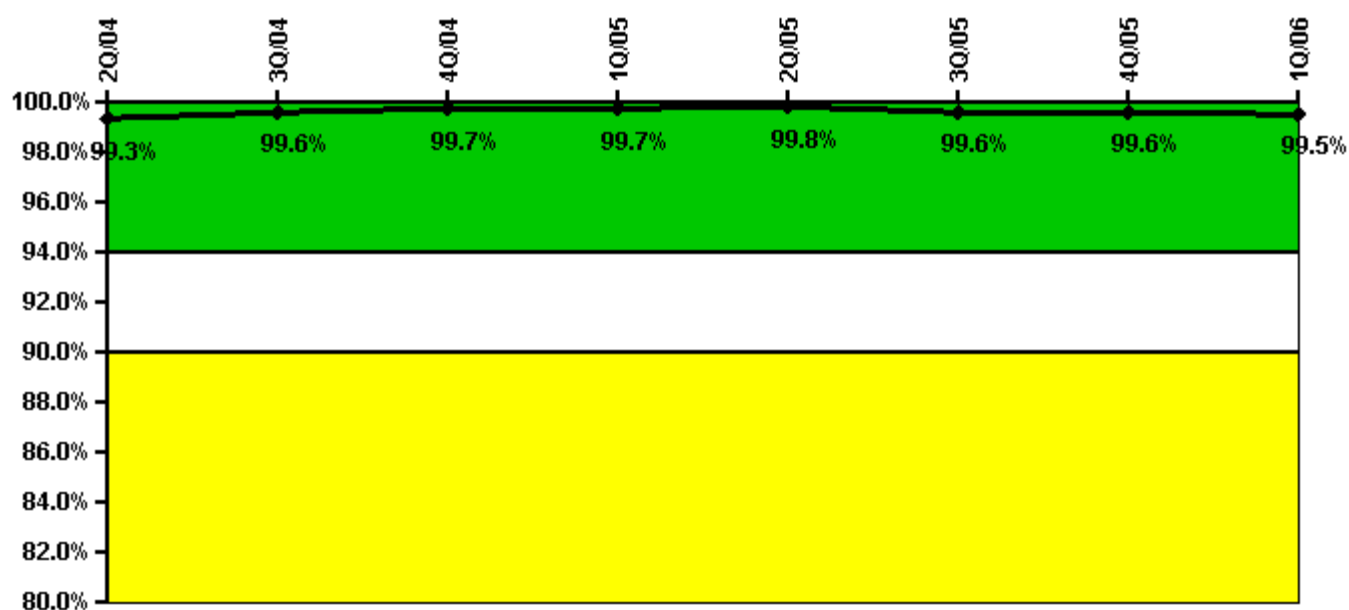
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	141.0	137.0	127.0	117.0	119.0	121.0	133.0	166.0
Total Key personnel	147.0	143.0	137.0	131.0	125.0	128.0	141.0	166.0
Indicator value	95.9%	95.8%	92.7%	89.3%	95.2%	94.5%	94.3%	100.0%

Licensee Comments: none

Alert & Notification System



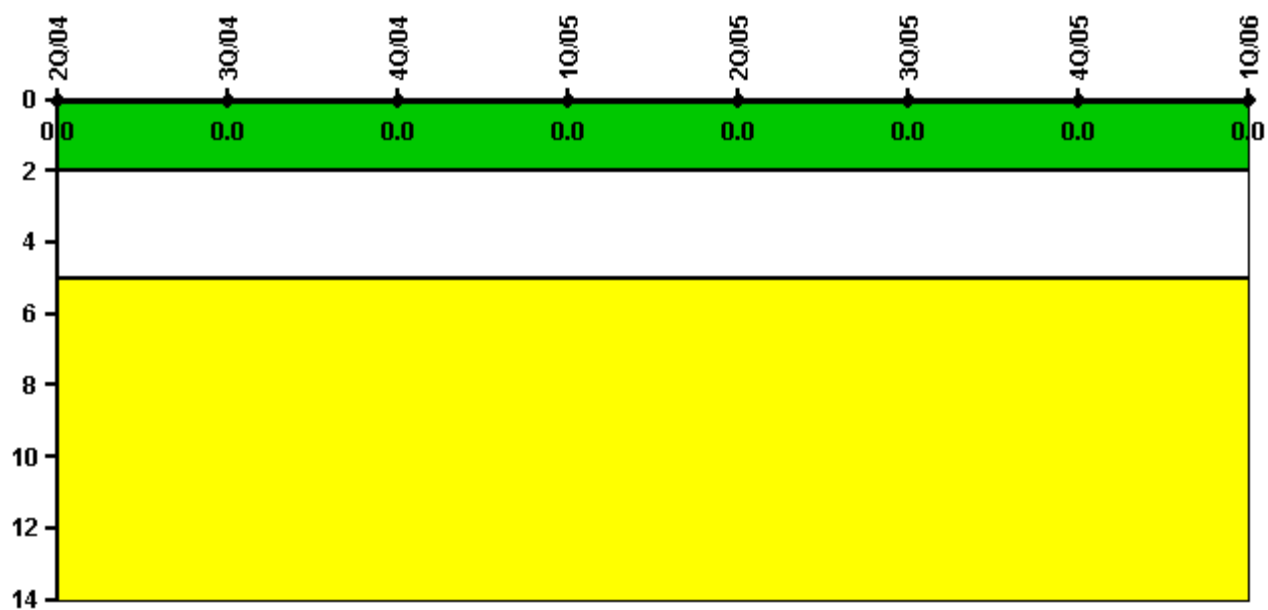
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	530	532	529	531	531	528	529	529
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.3%	99.6%	99.7%	99.7%	99.8%	99.6%	99.6%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness

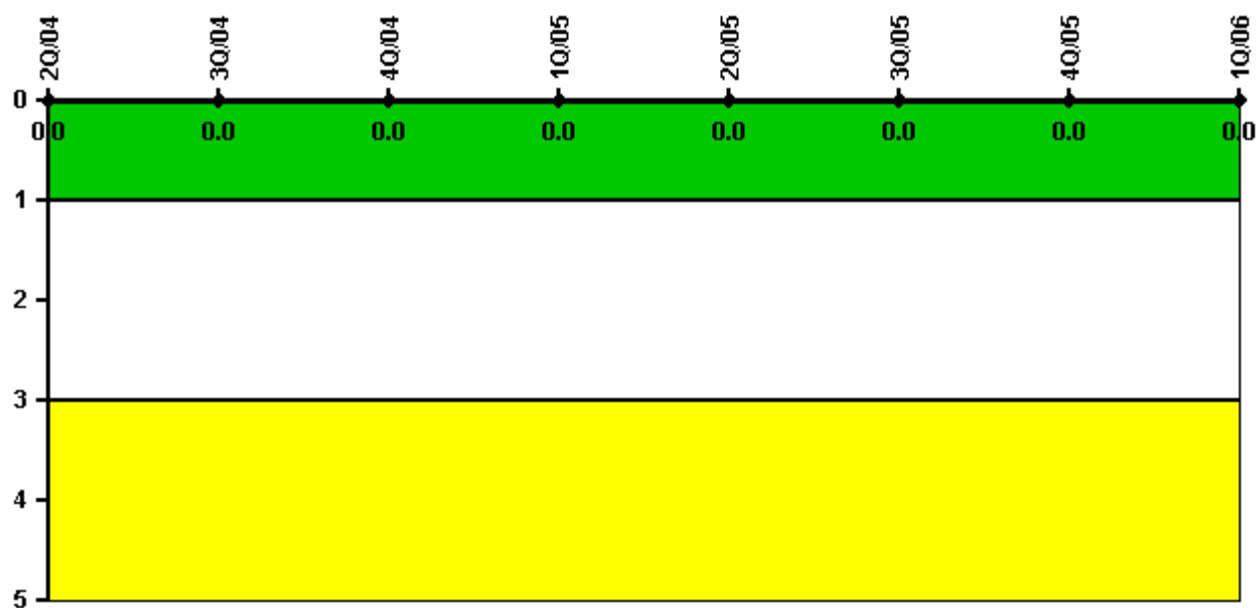


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/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	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/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](#)

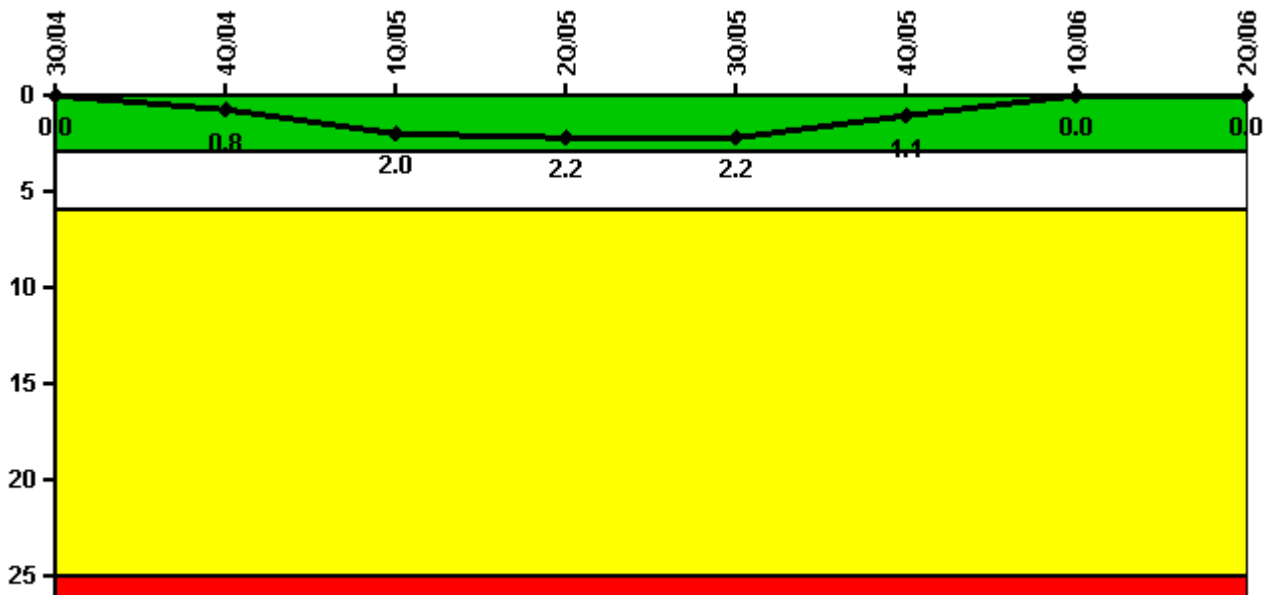
Last Modified: May 5, 2006

Perry 1

2Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



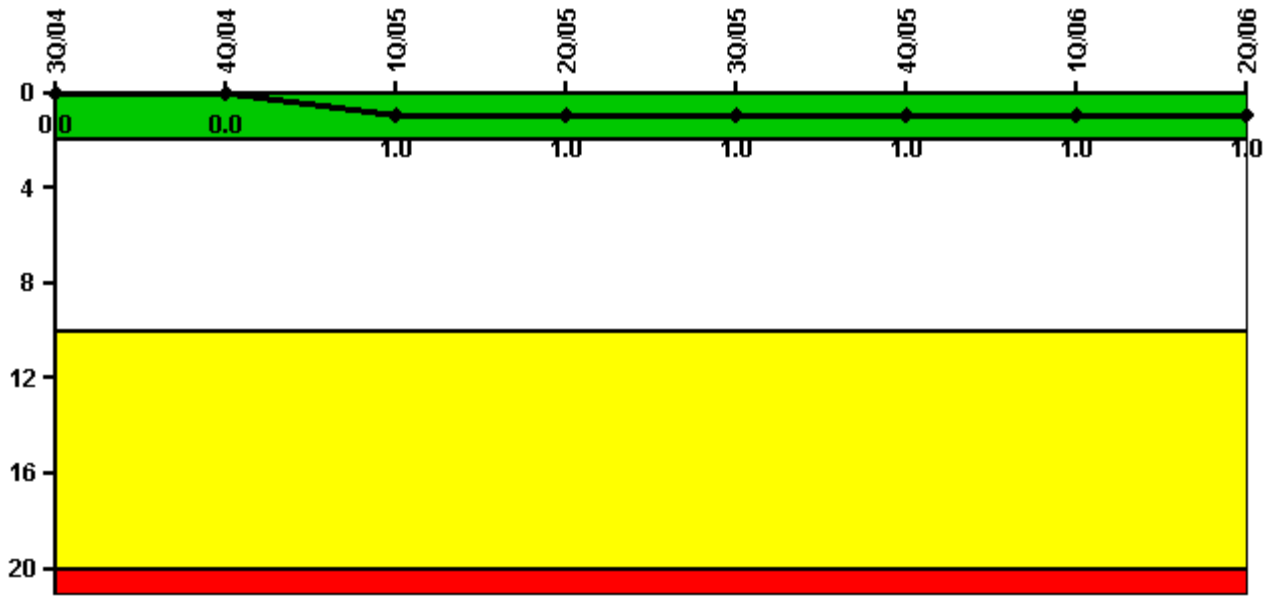
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0	0	0	0	0
Critical hours	2208.0	2152.0	653.2	1398.7	2208.0	2209.0	2160.0	2183.0
Indicator value	0	0.8	2.0	2.2	2.2	1.1	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



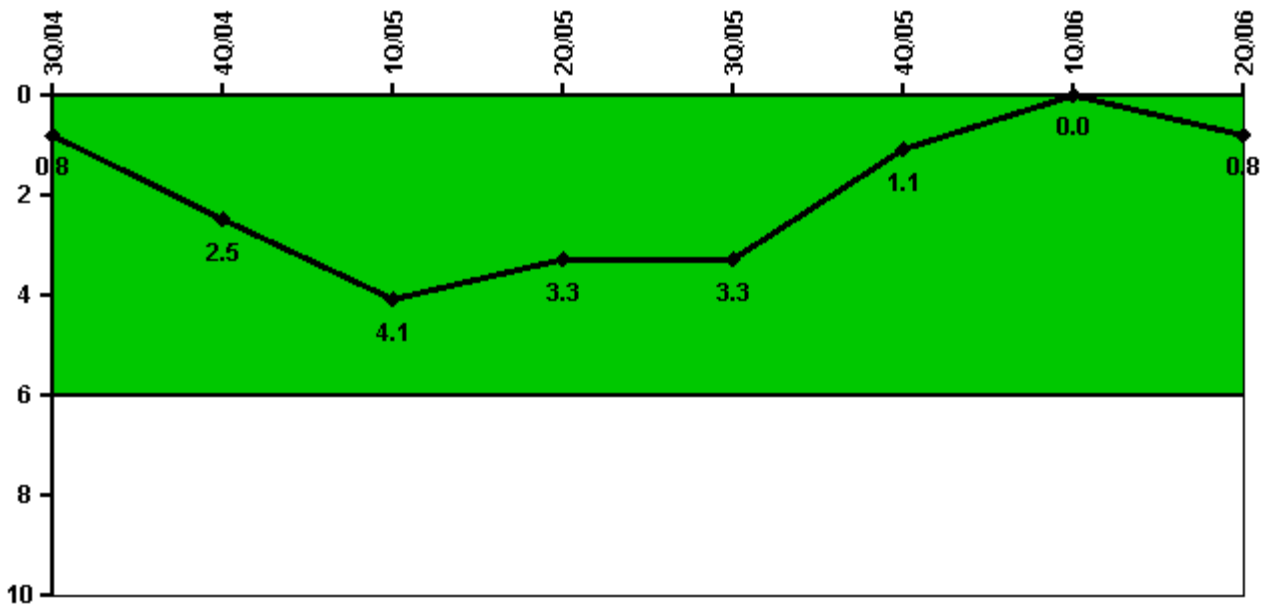
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	0	0	1.0	0	0	0	0	0
Indicator value	0	0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



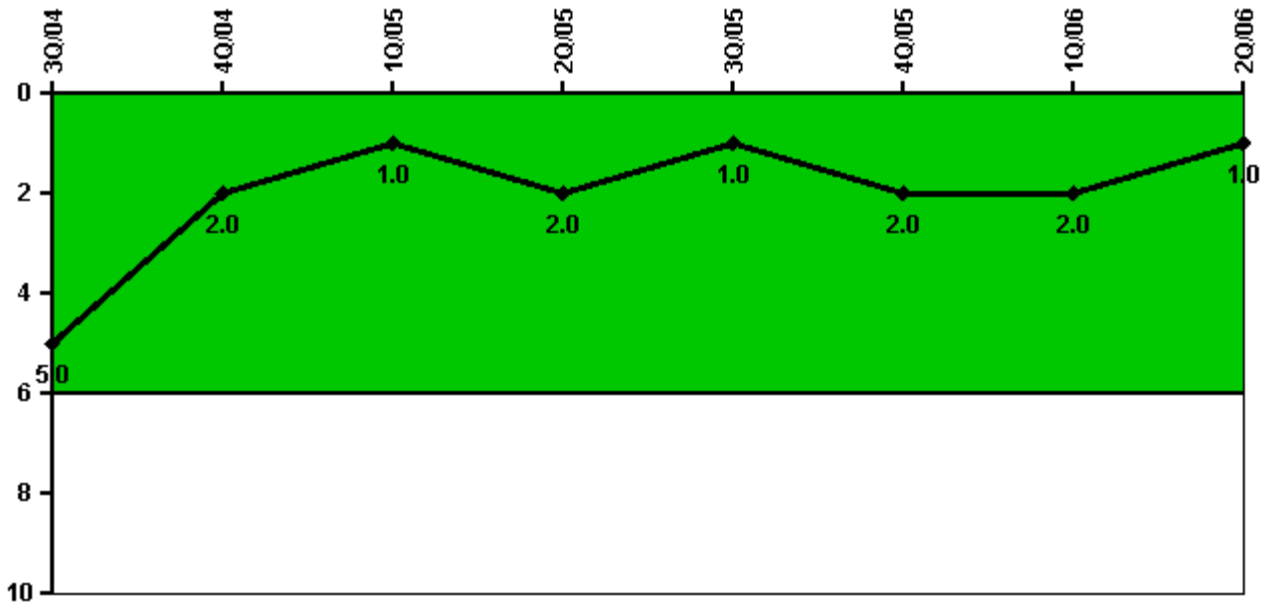
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	2.0	1.0	0	0	0	0	1.0
Critical hours	2208.0	2152.0	653.2	1398.7	2208.0	2209.0	2160.0	2183.0
Indicator value	0.8	2.5	4.1	3.3	3.3	1.1	0	0.8

Licensee Comments: none

Safety System Functional Failures (BWR)



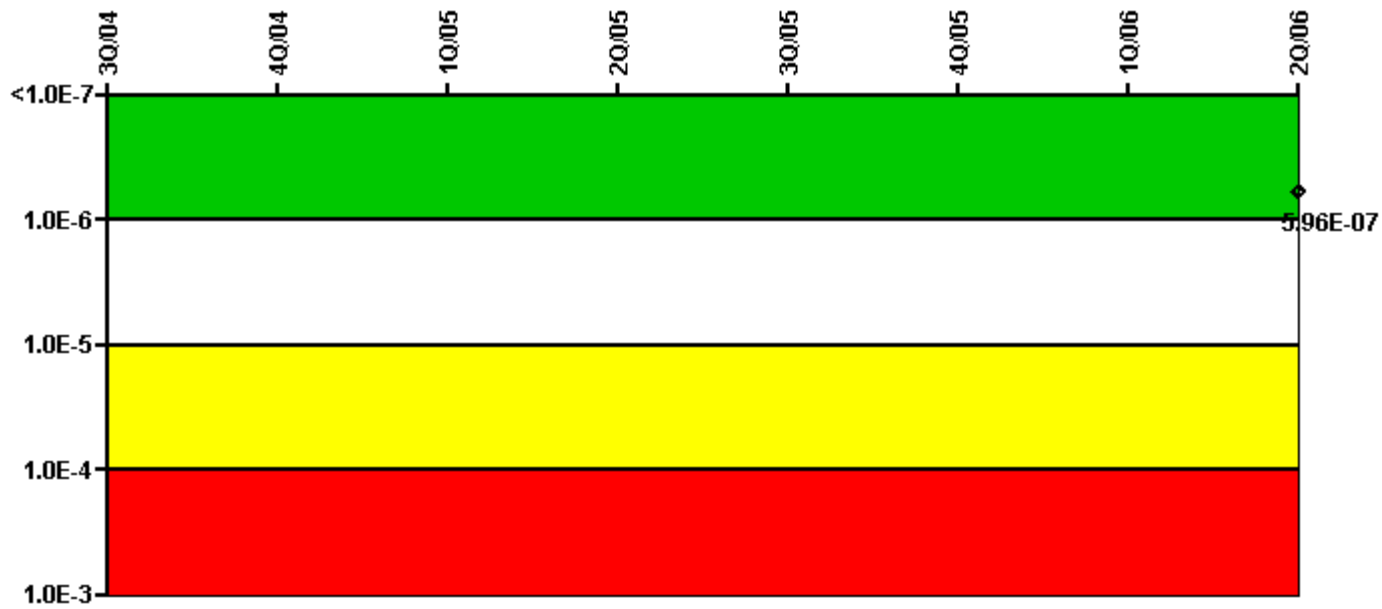
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Safety System Functional Failures	1	0	0	1	0	1	0	0
Indicator value	5	2	1	2	1	2	2	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



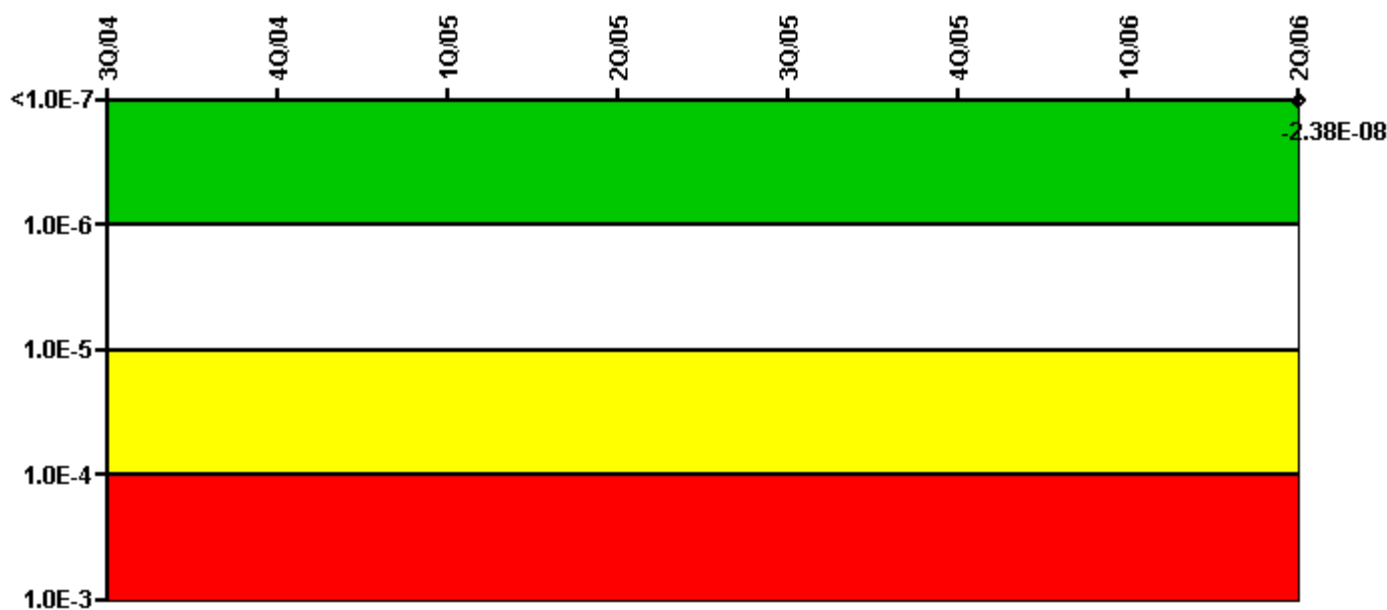
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								8.60E-08
URI (Δ CDF)								5.10E-07
PLE								NO
Indicator value								5.96E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



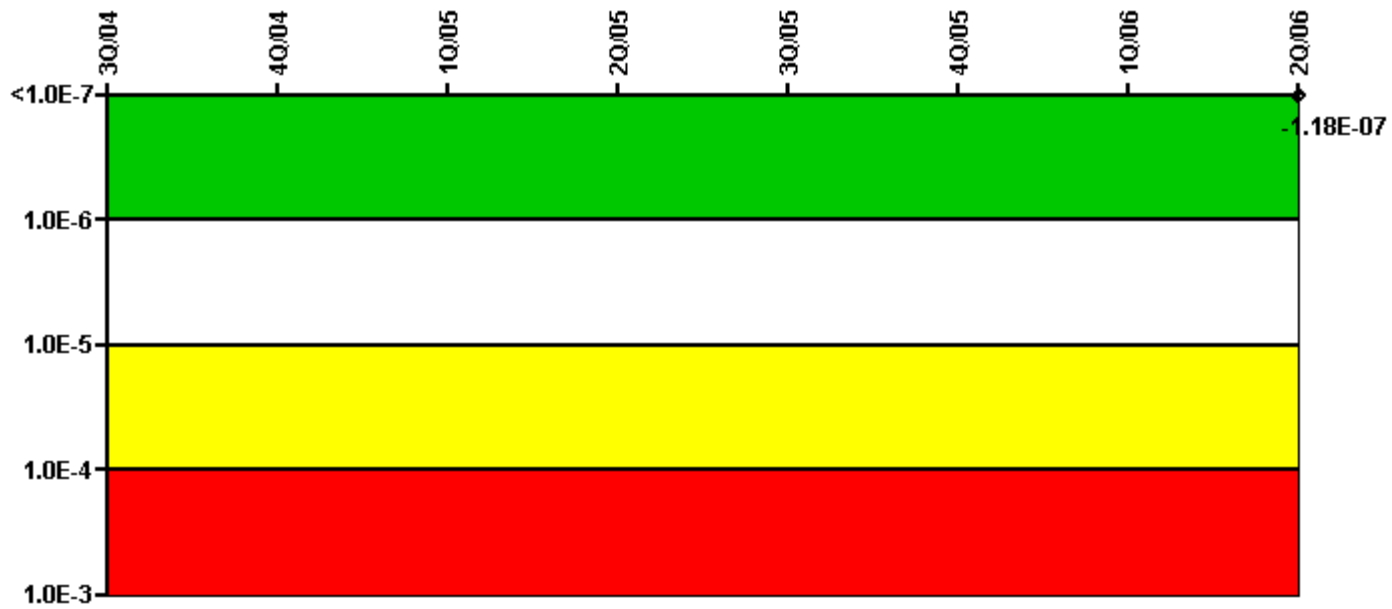
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-2.80E-09
URI (ΔCDF)								-2.10E-08
PLE								NO
Indicator value								-2.38E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



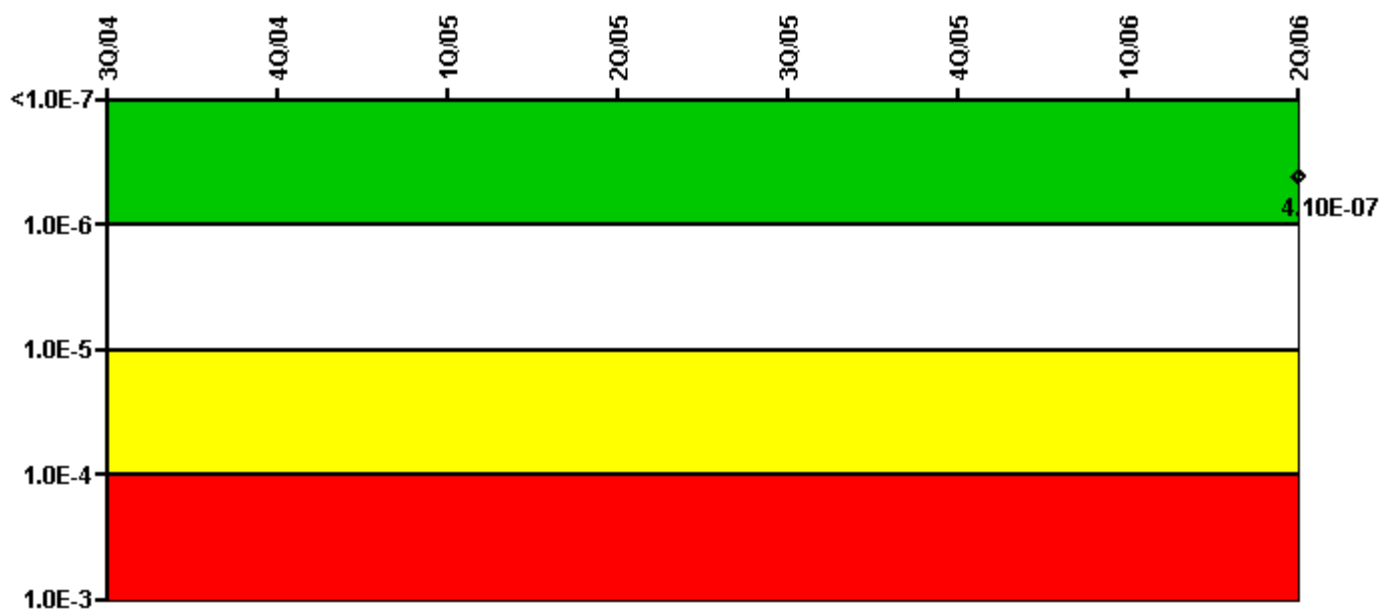
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								2.30E-09
URI (Δ CDF)								-1.20E-07
PLE								NO
Indicator value								-1.18E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



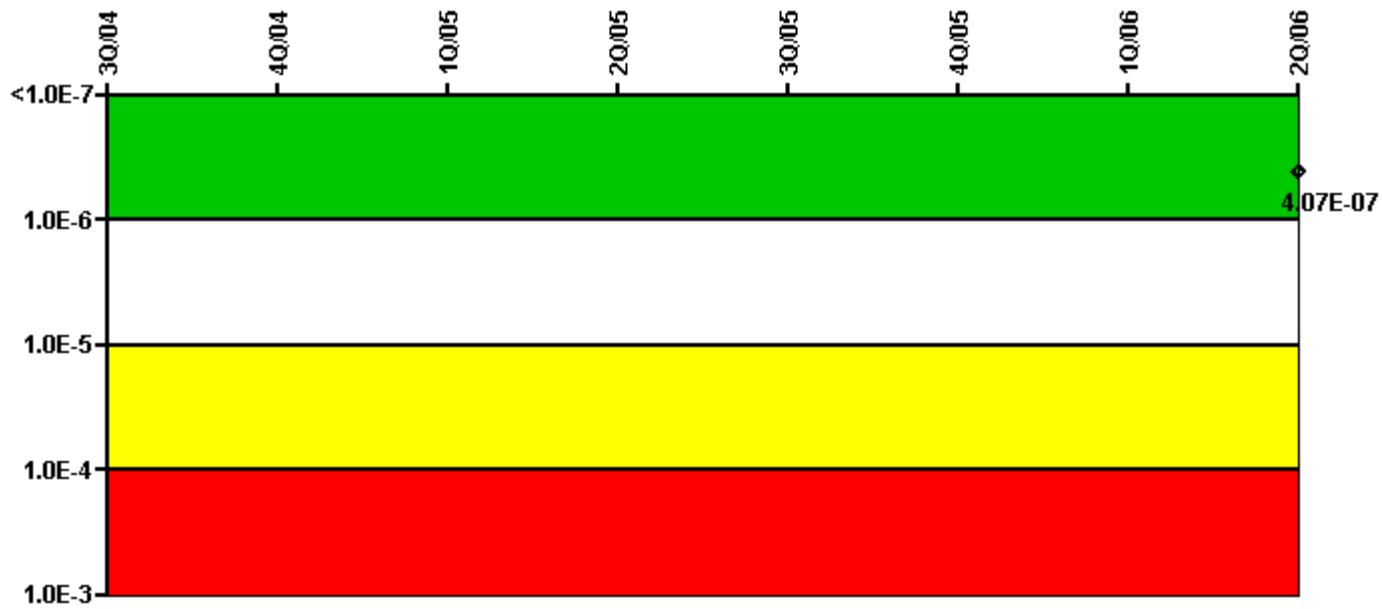
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								3.40E-07
URI (ΔCDF)								7.00E-08
PLE								NO
Indicator value								4.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



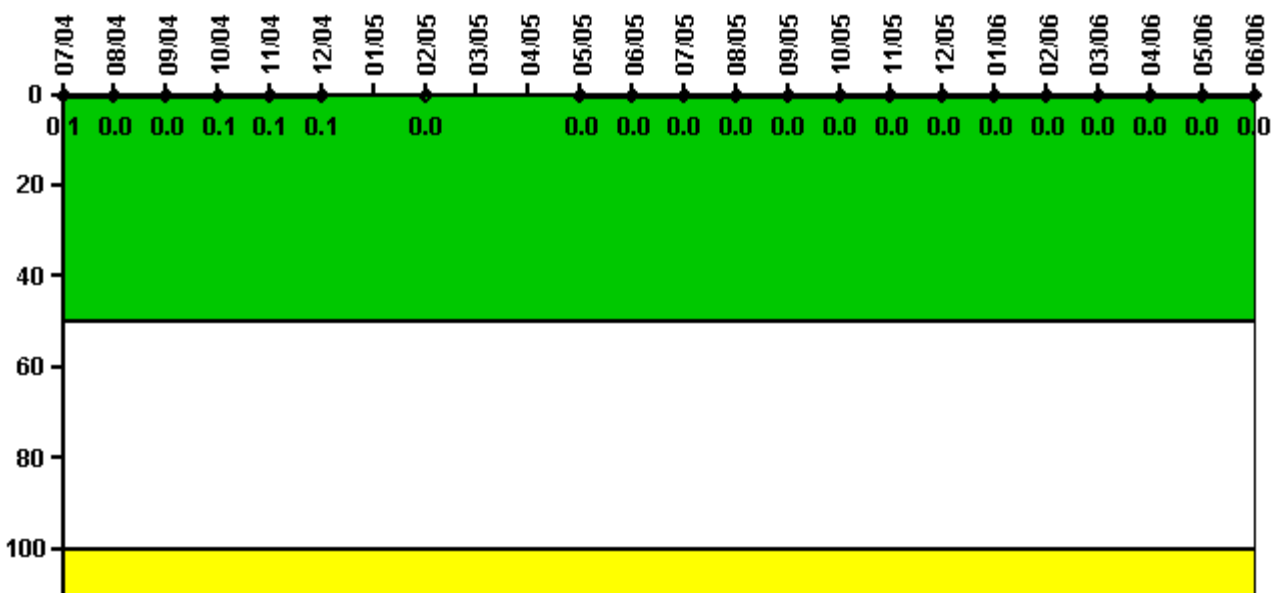
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

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 (Δ CDF)								6.70E-08
URI (Δ CDF)								3.40E-07
PLE								NO
Indicator value								4.07E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

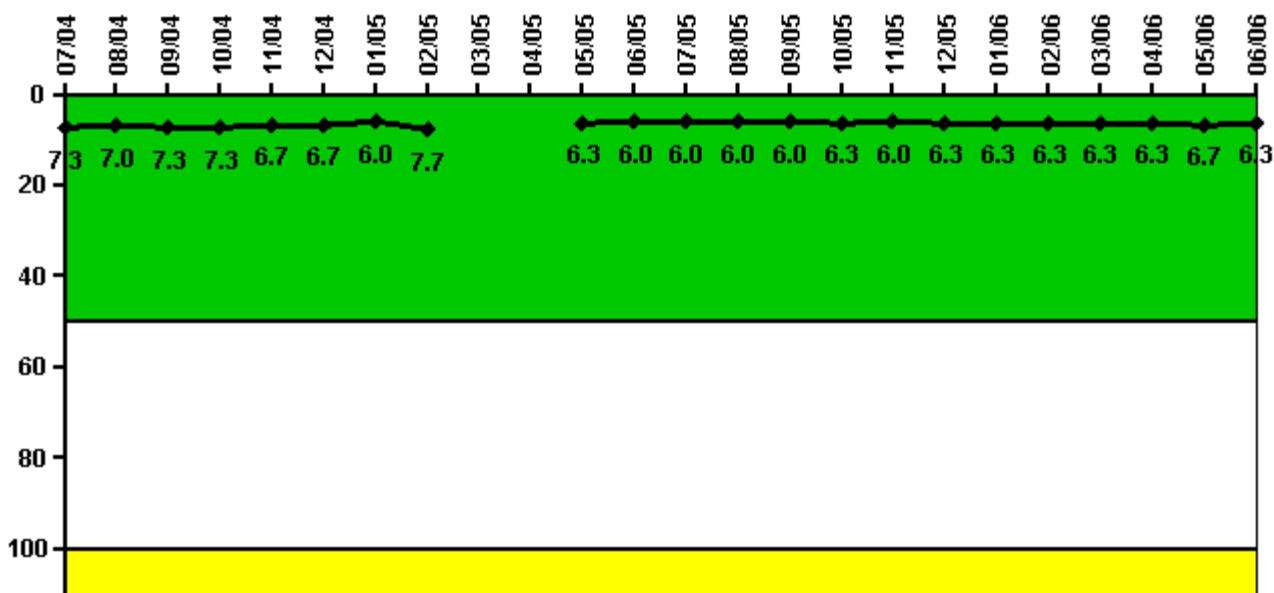
Notes

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	0.000119	0.000079	0.000079	0.000115	0.000140	0.000134	N/A	0.000057	N/A	N/A	0.000030	0.000032
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0	0	0.1	0.1	0.1	N/A	0	N/A	N/A	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	0.000029	0.000036	0.000054	0.000034	0.000032	0.000035	0.000048	0.000035	0.000046	0.000042	0.000045	0.000034
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



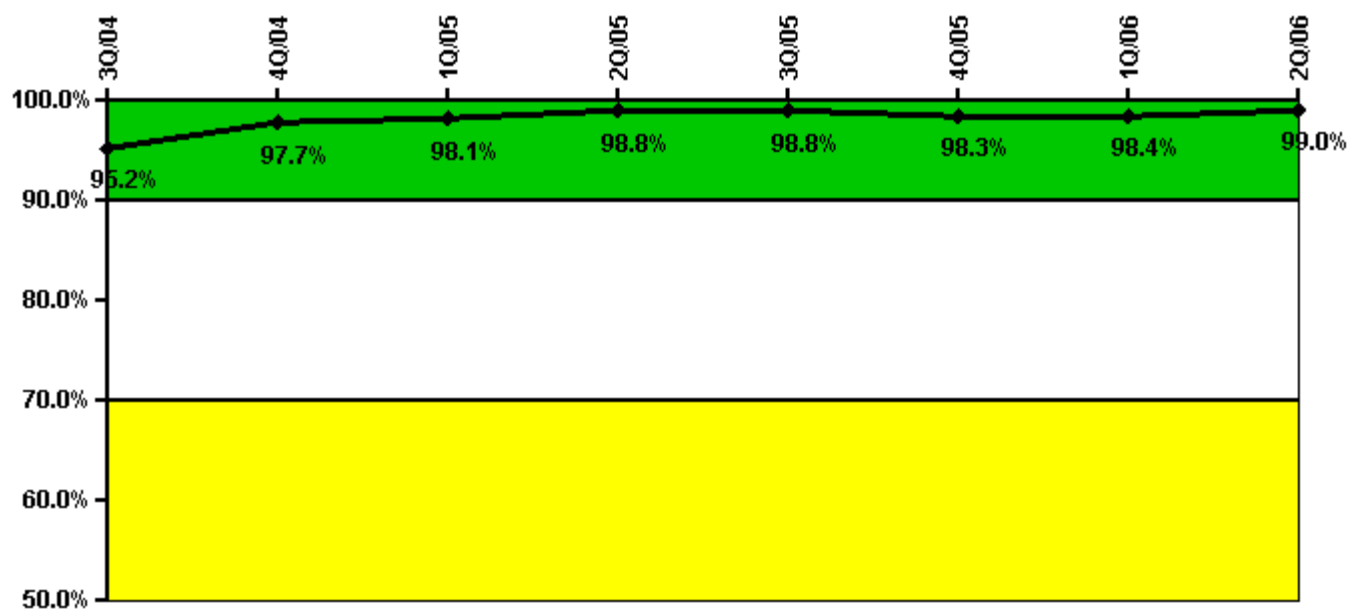
Thresholds: White > 50.0 Yellow > 100.0

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	2.200	2.100	2.200	2.200	2.000	2.000	1.800	2.300	N/A	N/A	1.900	1.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.0	7.3	7.3	6.7	6.7	6.0	7.7	N/A	N/A	6.3	6.0
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	1.800	1.800	1.800	1.900	1.800	1.900	1.900	1.900	1.900	1.900	2.000	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.7	6.3

Licensee Comments: none

Drill/Exercise Performance



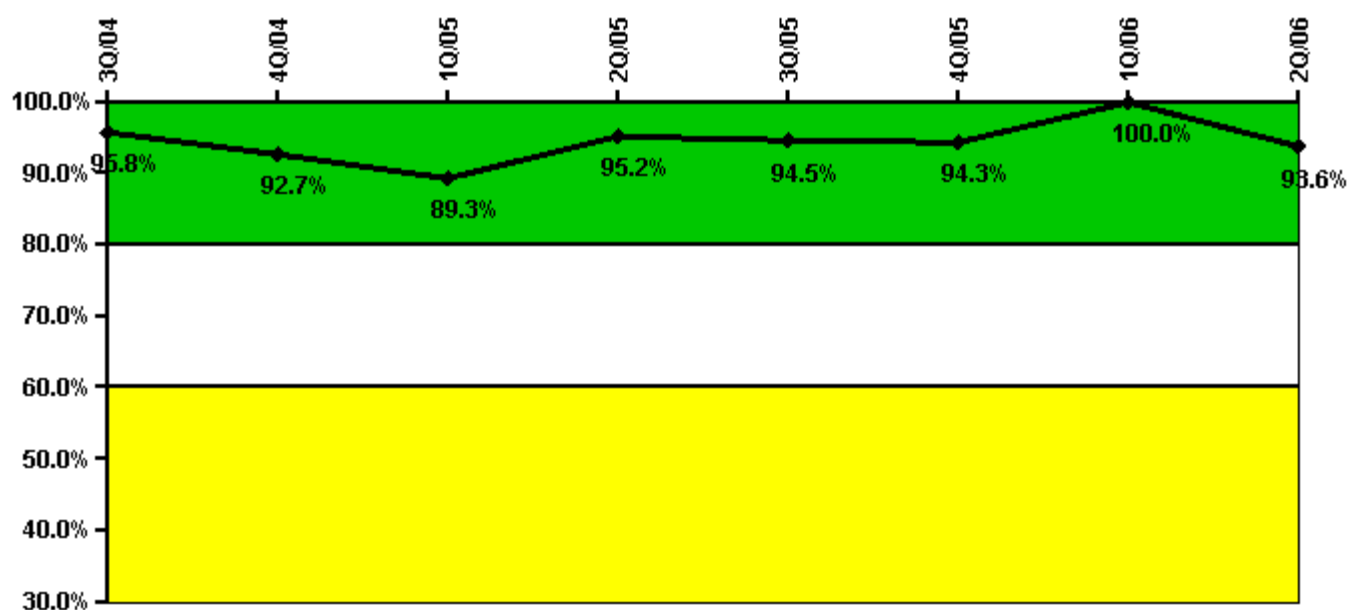
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	23.0	50.0	0	20.0	10.0	43.0	26.0	22.0
Total opportunities	24.0	50.0	0	20.0	10.0	44.0	26.0	22.0
Indicator value	95.2%	97.7%	98.1%	98.8%	98.8%	98.3%	98.4%	99.0%

Licensee Comments: none

ERO Drill Participation



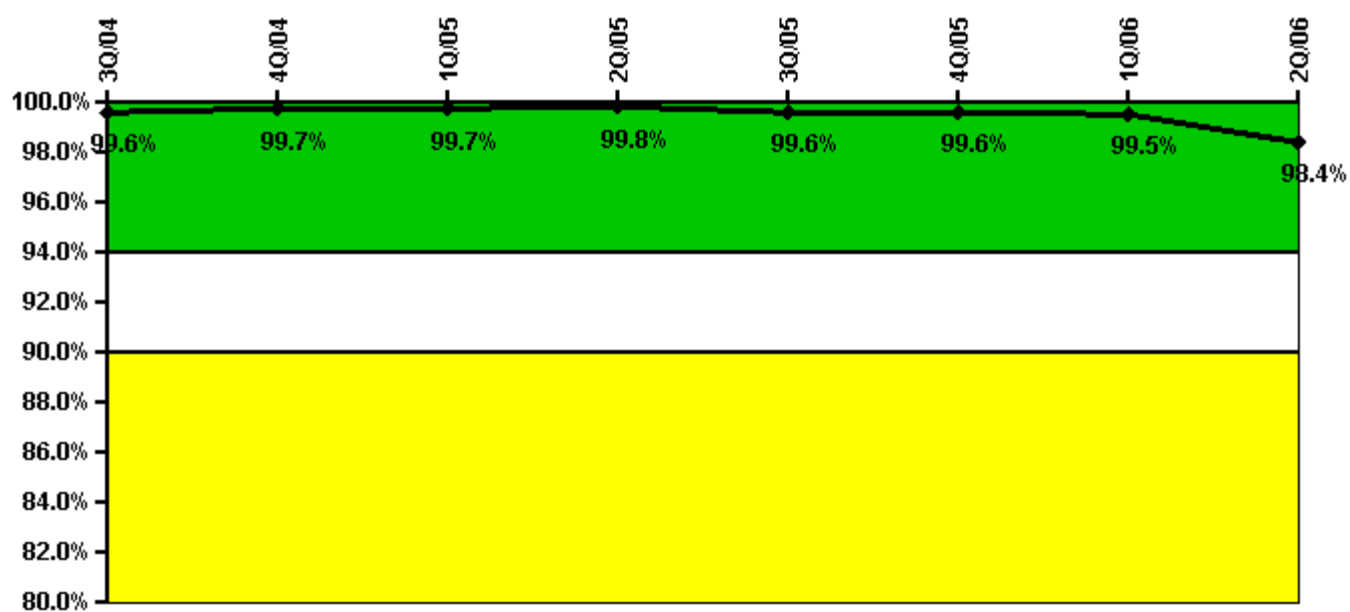
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	137.0	127.0	117.0	119.0	121.0	133.0	166.0	162.0
Total Key personnel	143.0	137.0	131.0	125.0	128.0	141.0	166.0	173.0
Indicator value	95.8%	92.7%	89.3%	95.2%	94.5%	94.3%	100.0%	93.6%

Licensee Comments: none

Alert & Notification System



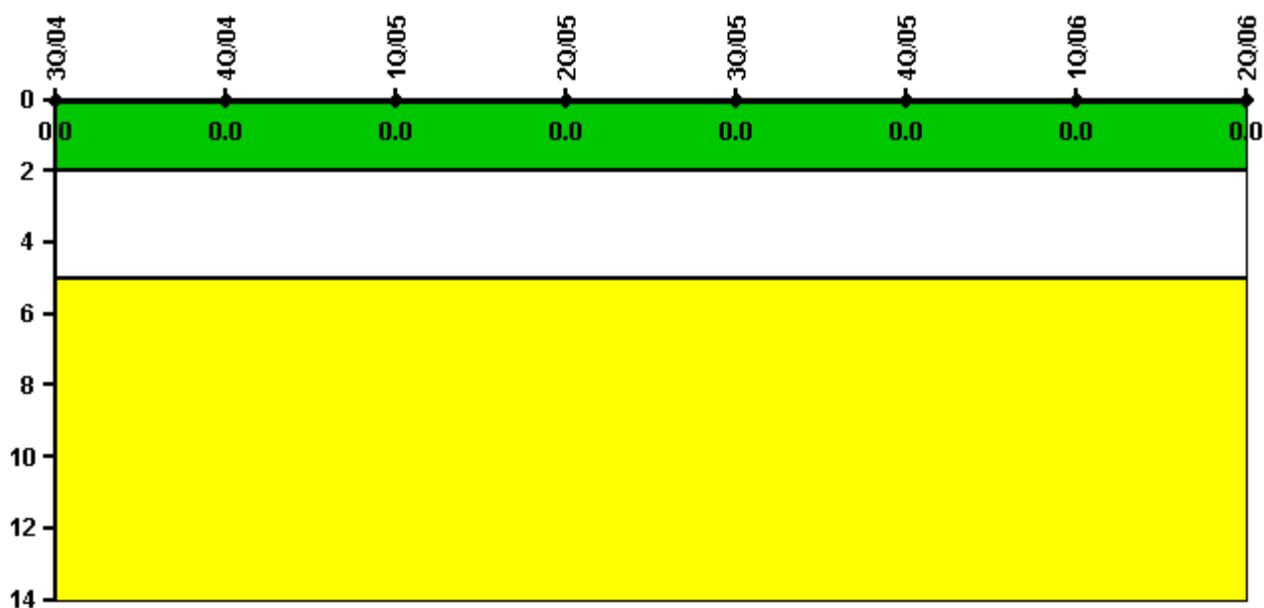
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	532	529	531	531	528	529	529	508
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.6%	99.7%	99.7%	99.8%	99.6%	99.6%	99.5%	98.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness

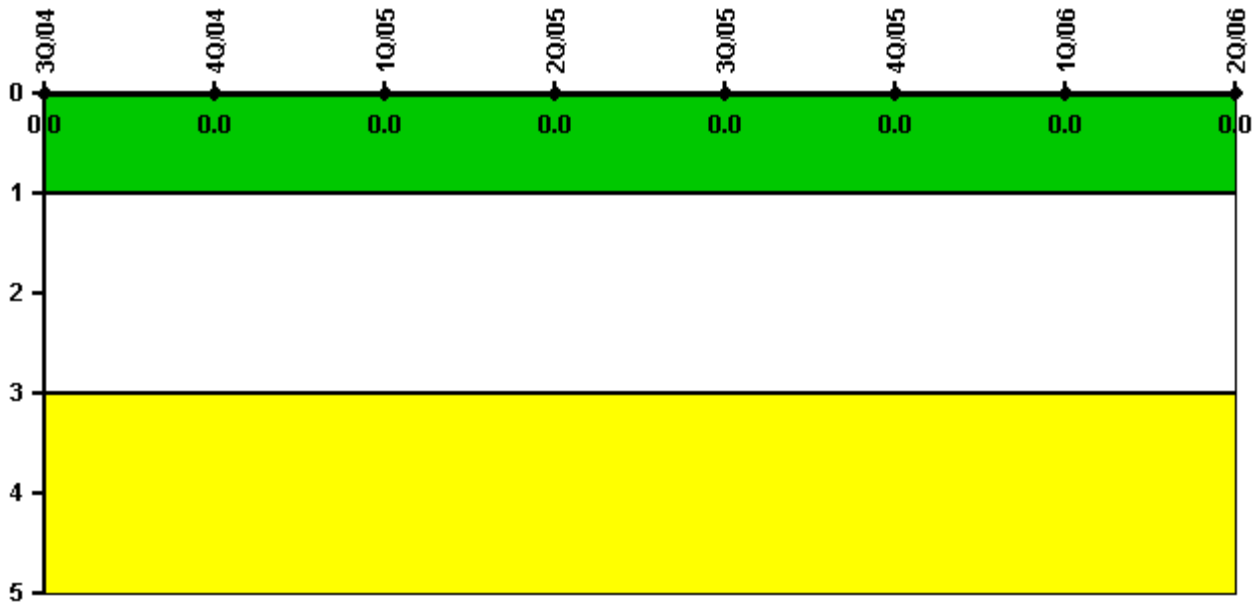


Thresholds: White > 2.0 Yellow > 5.0

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	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/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](#)

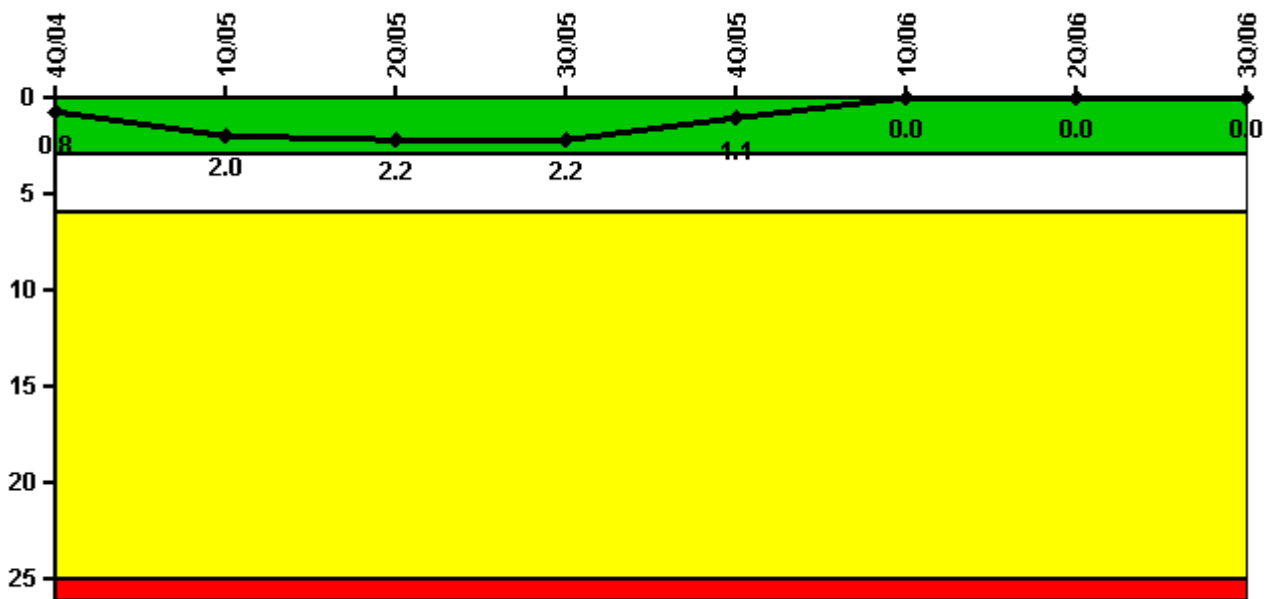
Last Modified: August 2, 2006

Perry 1

3Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



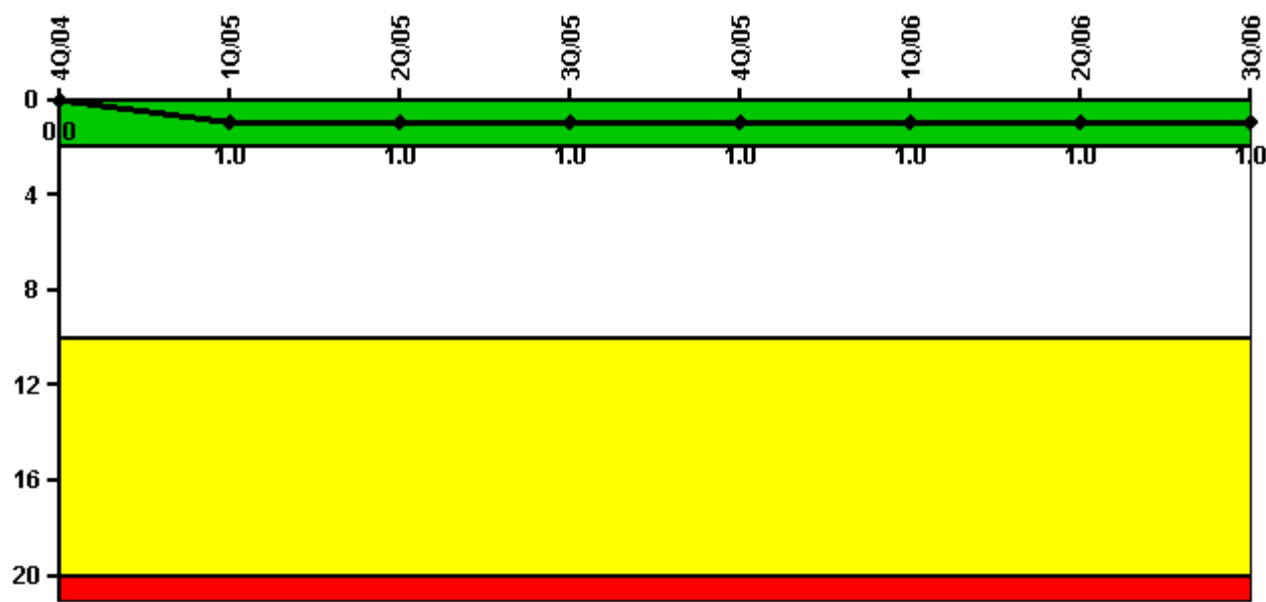
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	1.0	1.0	0	0	0	0	0	0
Critical hours	2152.0	653.2	1398.7	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	0.8	2.0	2.2	2.2	1.1	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



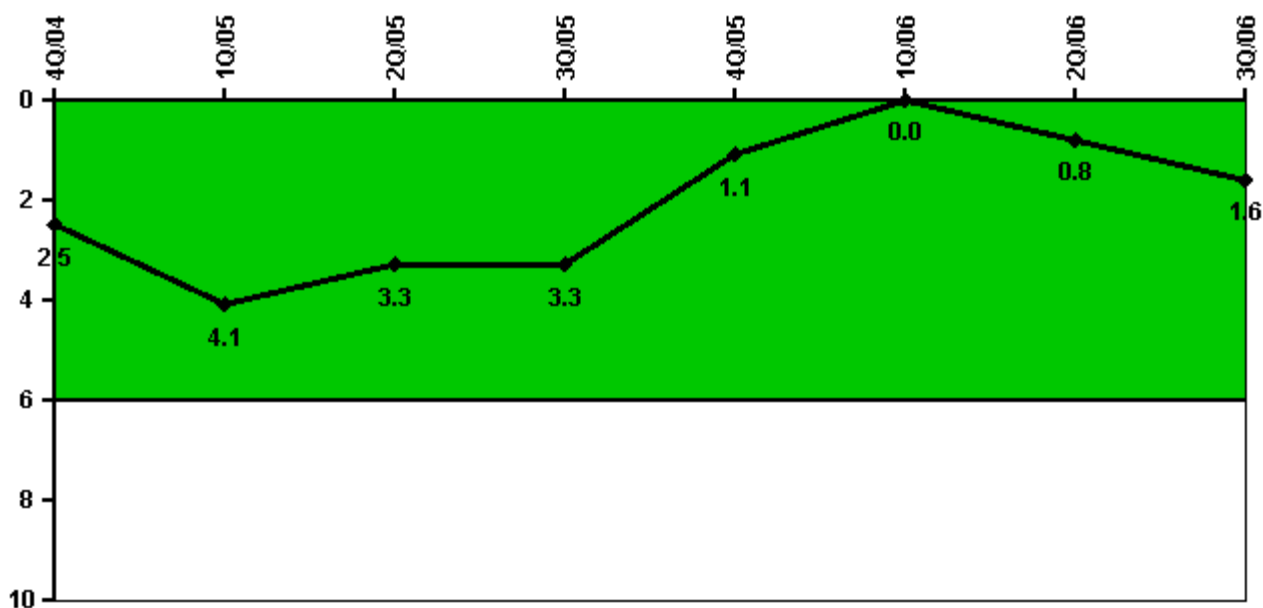
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	0	1.0	1.0	1.0	1.0	1.0	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	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	2.0	1.0	0	0	0	0	1.0	1.0
Critical hours	2152.0	653.2	1398.7	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	2.5	4.1	3.3	3.3	1.1	0	0.8	1.6

Licensee Comments: none

Safety System Functional Failures (BWR)



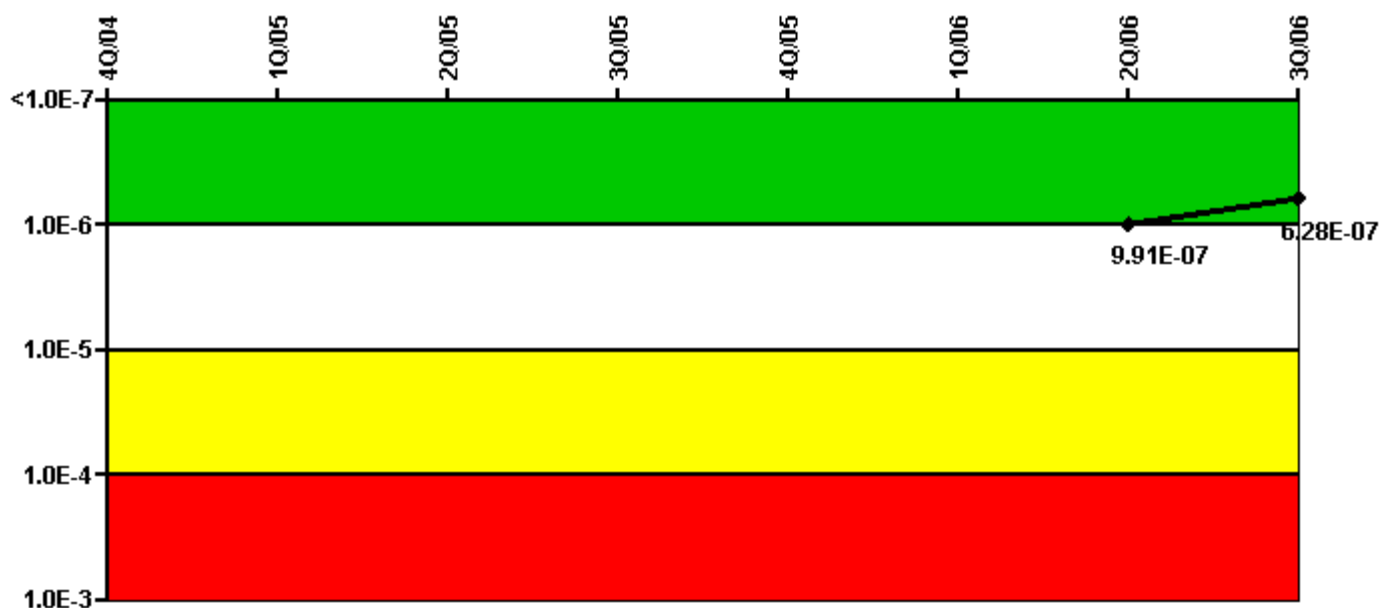
Thresholds: White > 6.0

Notes

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

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

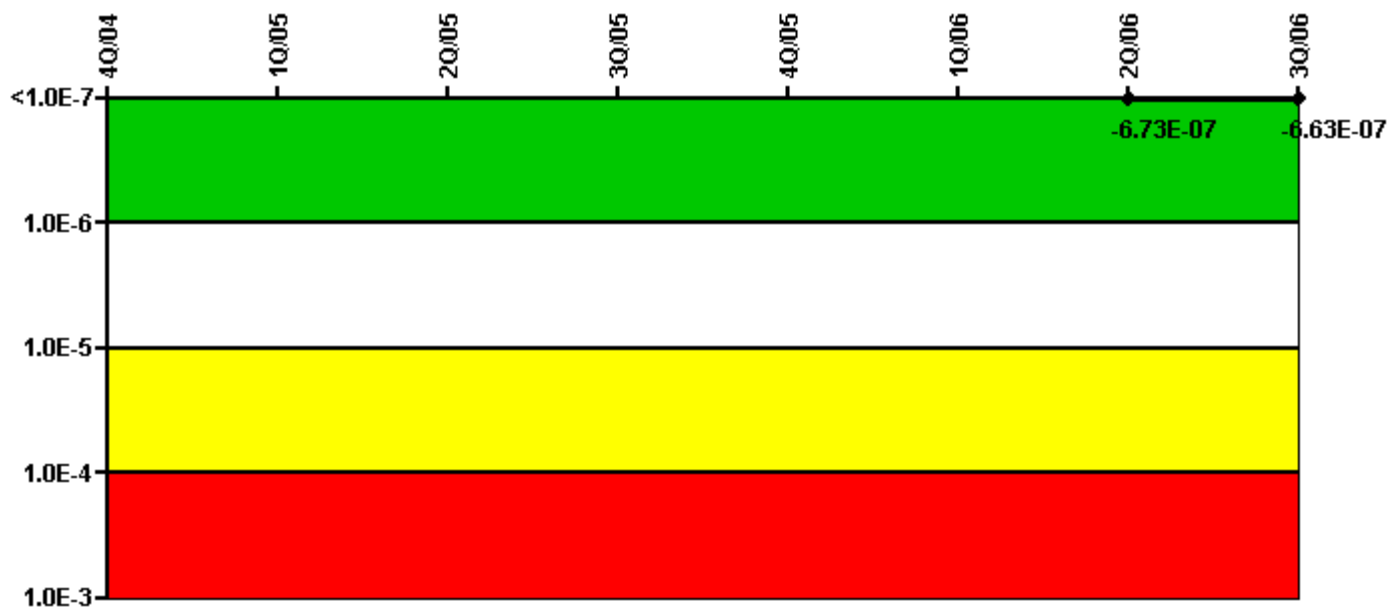
Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							9.10E-08	6.80E-08
URI (ΔCDF)							9.00E-07	5.60E-07
PLE							NO	NO
Indicator value							9.91E-07	6.28E-07

Licensee Comments:

3Q/06: Changed PRA Parameter(s). During development/approval of the revised Mitigating Systems Performance Index (MSPI) Basis Document (Revision 2), the determination of the applicable revision of the Cycle 11 Probabilistic Risk Assessment (PRA) model was unclear due to lack of specific guidance from NEI 99-02, Revision 4. This uncertainty has resulted in overwriting of PRA data in CDE (including reconstituting baseline data). Resolution of this issue continues and necessary changes to the basis document will be made along with resultant changes to the MSPI indicator in accordance with industry guidance. These changes may result in greater than minor effects on the MSPI indicator values in the Second Quarter 2006, Emergency AC Power System. In addition, the Frequently Asked Question process will be used to pursue the ultimate clarification of this issue.

2Q/06: 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

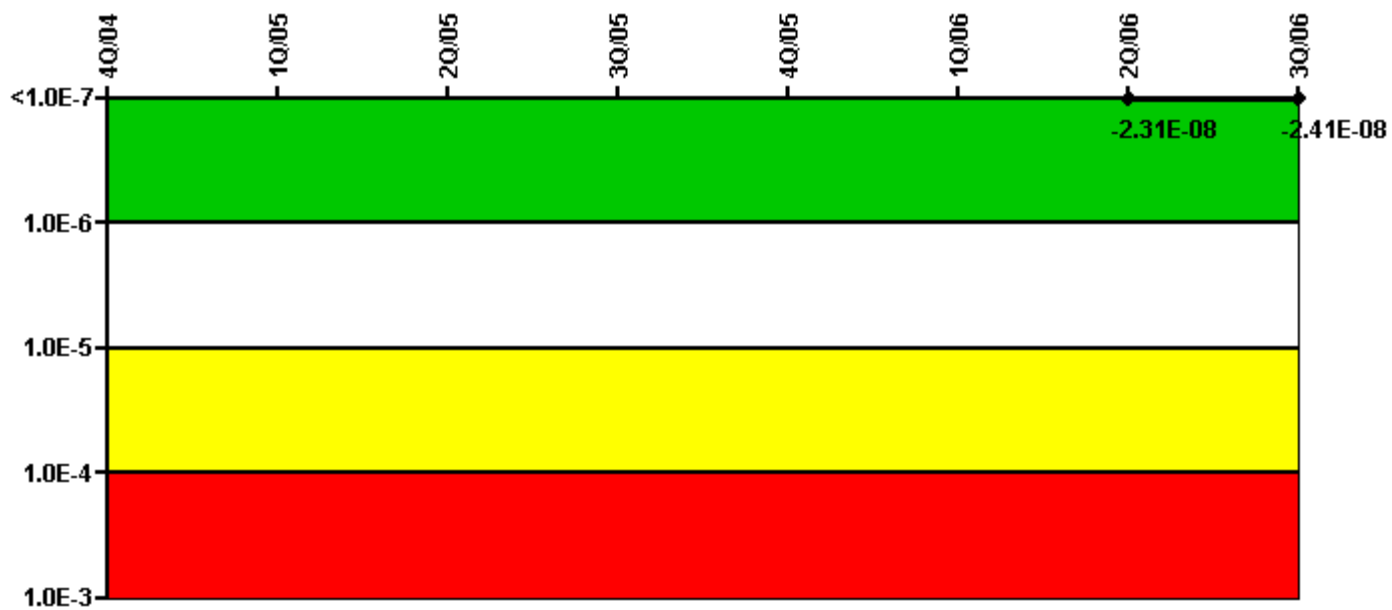
Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-3.10E-09	-3.10E-09
URI (ΔCDF)							-6.70E-07	-6.60E-07
PLE							NO	NO
Indicator value							-6.73E-07	-6.63E-07

Licensee Comments:

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

2Q/06: 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

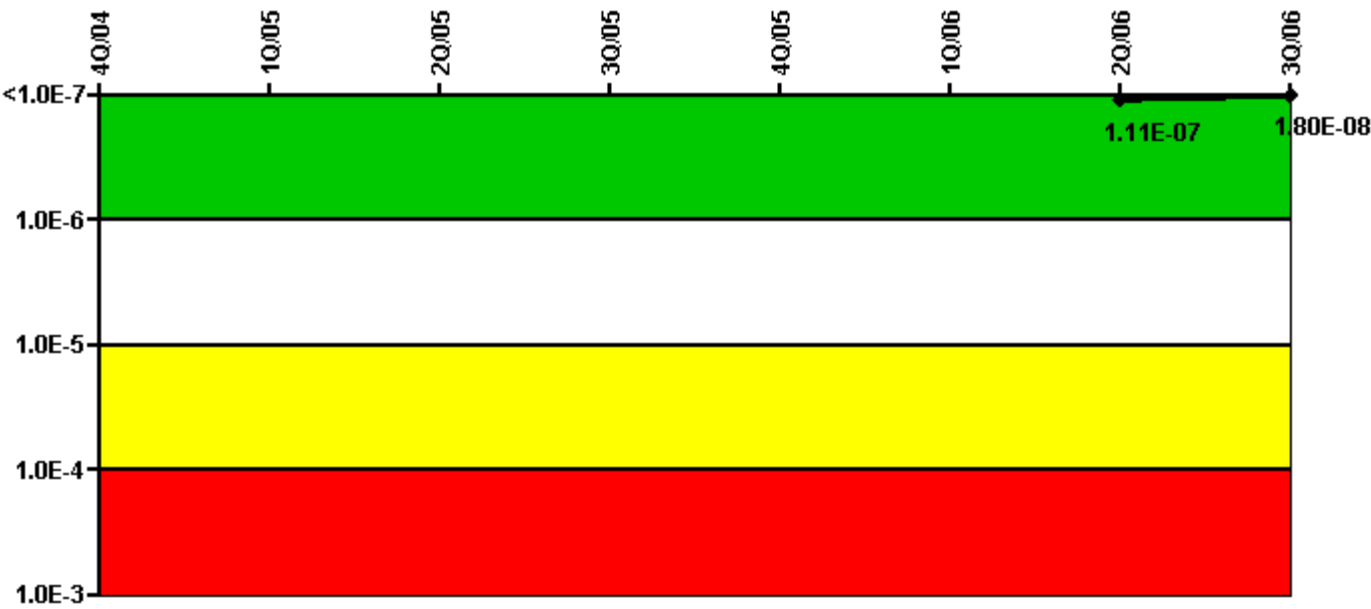
Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ACDF)							-3.10E-09	-3.10E-09
URI (ACDF)							-2.00E-08	-2.10E-08
PLE							NO	NO
Indicator value							-2.31E-08	-2.41E-08

Licensee Comments:

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

2Q/06: 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

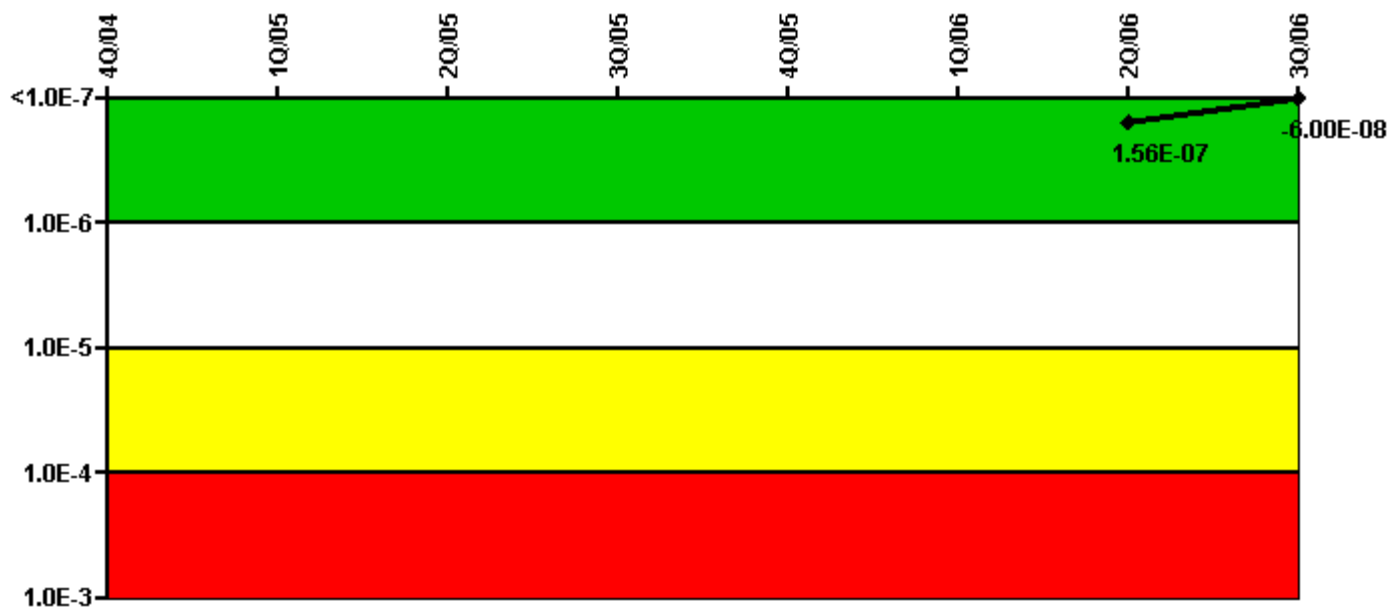
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-4.90E-08	-5.60E-08
URI (ΔCDF)							1.60E-07	7.40E-08
PLE							NO	NO
Indicator value							1.11E-07	1.80E-08

Licensee Comments:

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

2Q/06: 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

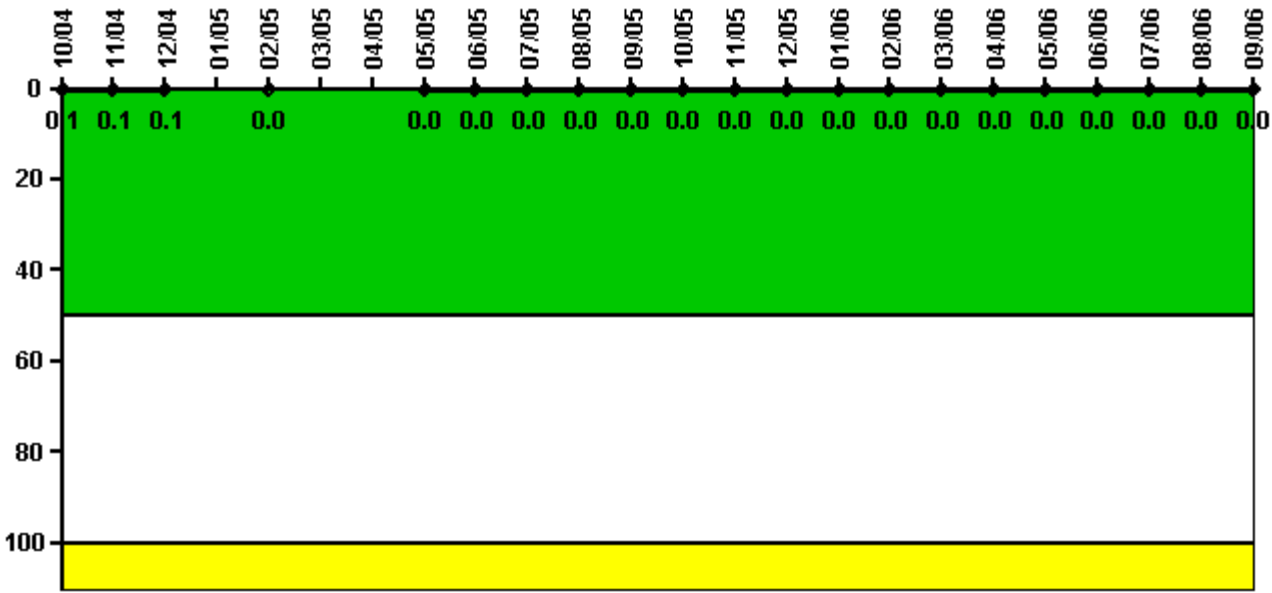
Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ACDF)							8.80E-08	3.00E-08
URI (ACDF)							6.80E-08	-9.00E-08
PLE							NO	NO
Indicator value							1.56E-07	-6.00E-08

Licensee Comments:

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

2Q/06: Changed PRA Parameter(s).

Reactor Coolant System Activity



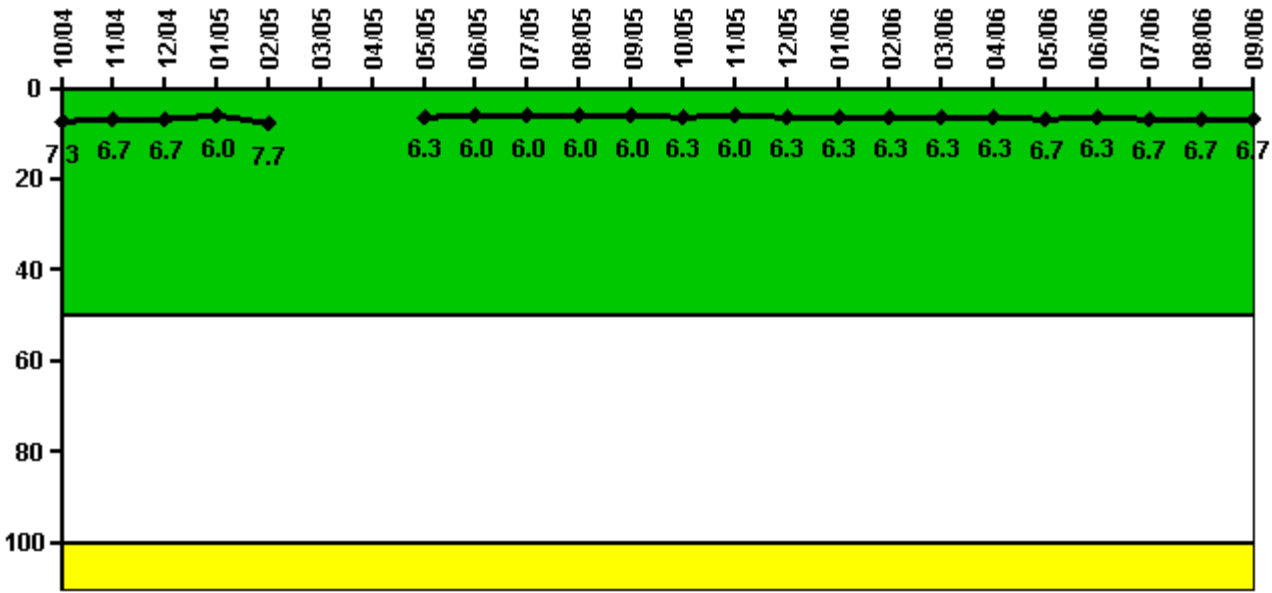
Thresholds: White > 50.0 Yellow > 100.0

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		0.000115	0.000140	0.000134	N/A	0.000057	N/A	N/A	0.000030	0.000032	0.000029	0.000036	0.000054
Technical specification limit		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value		0.1	0.1	0.1	N/A	0	N/A	N/A	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		0.000034	0.000032	0.000035	0.000048	0.000035	0.000046	0.000042	0.000045	0.000034	0.000037	0.000044	0.000043
Technical specification limit		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value		0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

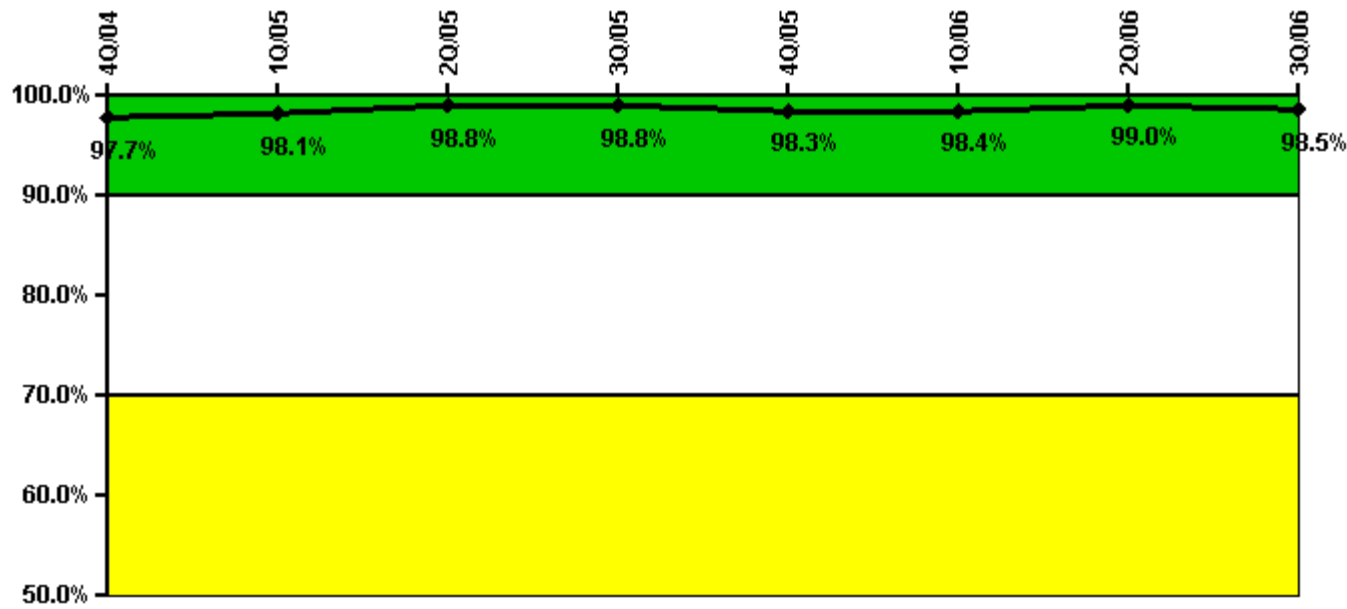
Notes

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	2.200	2.000	2.000	1.800	2.300	N/A	N/A	1.900	1.800	1.800	1.800	1.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	6.7	6.7	6.0	7.7	N/A	N/A	6.3	6.0	6.0	6.0	6.0

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	1.900	1.800	1.900	1.900	1.900	1.900	1.900	2.000	1.900	2.000	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.7	6.3	6.7	6.7	6.7

Licensee Comments: none

Drill/Exercise Performance



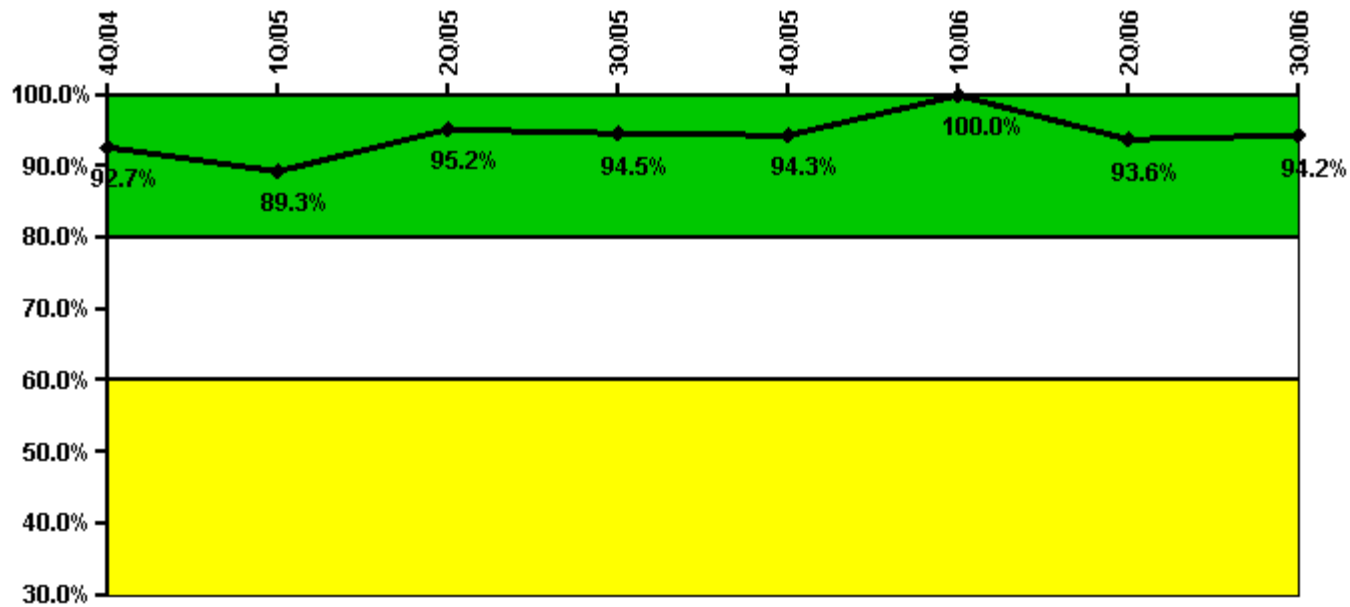
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	50.0	0	20.0	10.0	43.0	26.0	22.0	24.0
Total opportunities	50.0	0	20.0	10.0	44.0	26.0	22.0	26.0
Indicator value	97.7%	98.1%	98.8%	98.8%	98.3%	98.4%	99.0%	98.5%

Licensee Comments: none

ERO Drill Participation



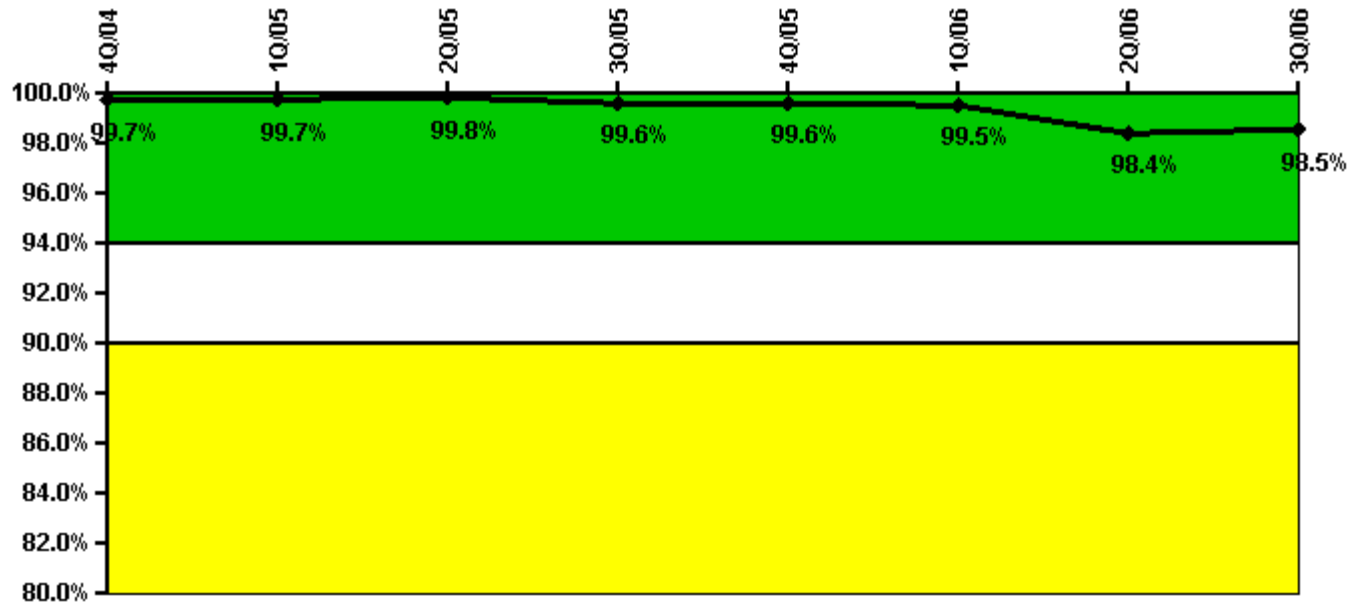
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	127.0	117.0	119.0	121.0	133.0	166.0	162.0	162.0
Total Key personnel	137.0	131.0	125.0	128.0	141.0	166.0	173.0	172.0
Indicator value	92.7%	89.3%	95.2%	94.5%	94.3%	100.0%	93.6%	94.2%

Licensee Comments: none

Alert & Notification System



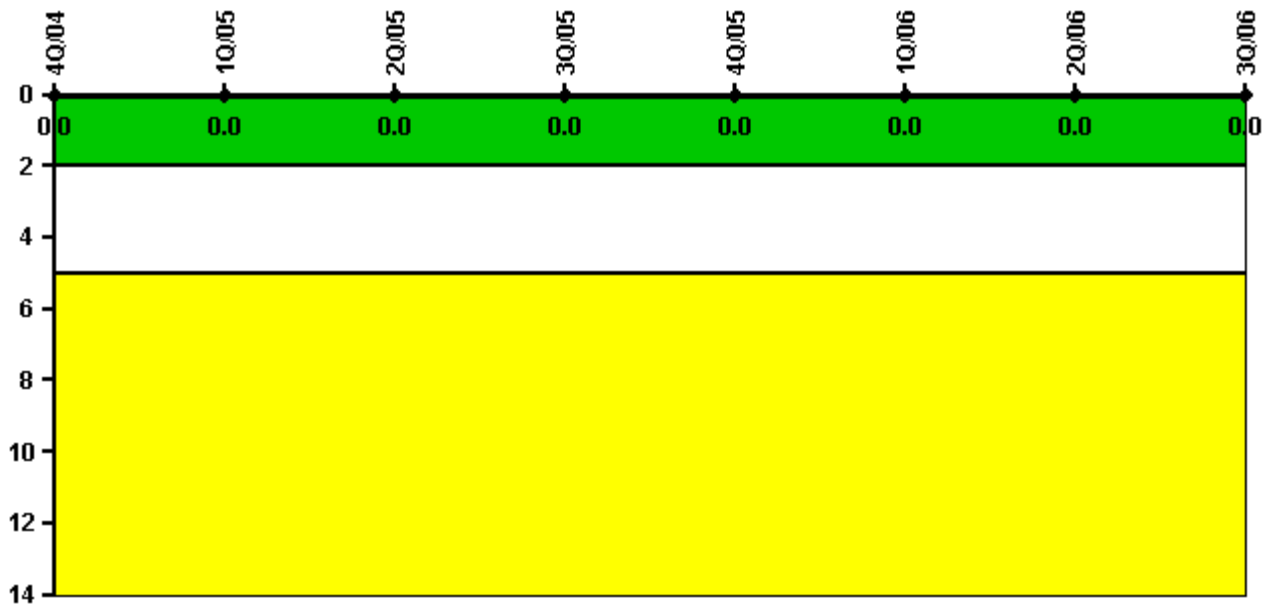
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	529	531	531	528	529	529	508	531
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.7%	99.7%	99.8%	99.6%	99.6%	99.5%	98.4%	98.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



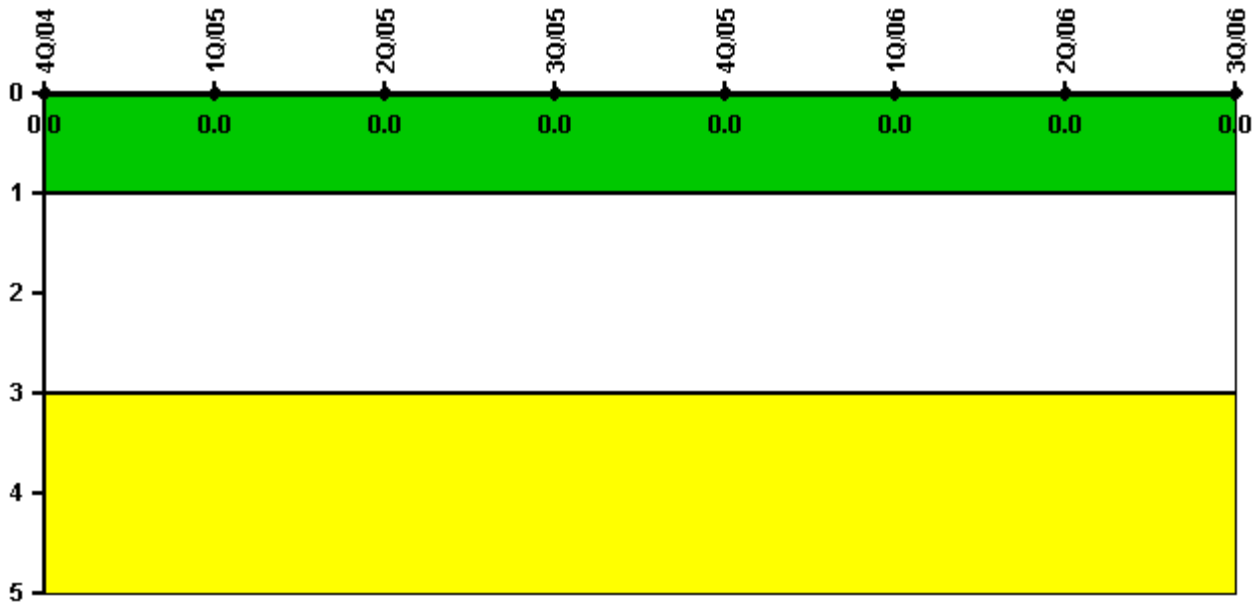
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

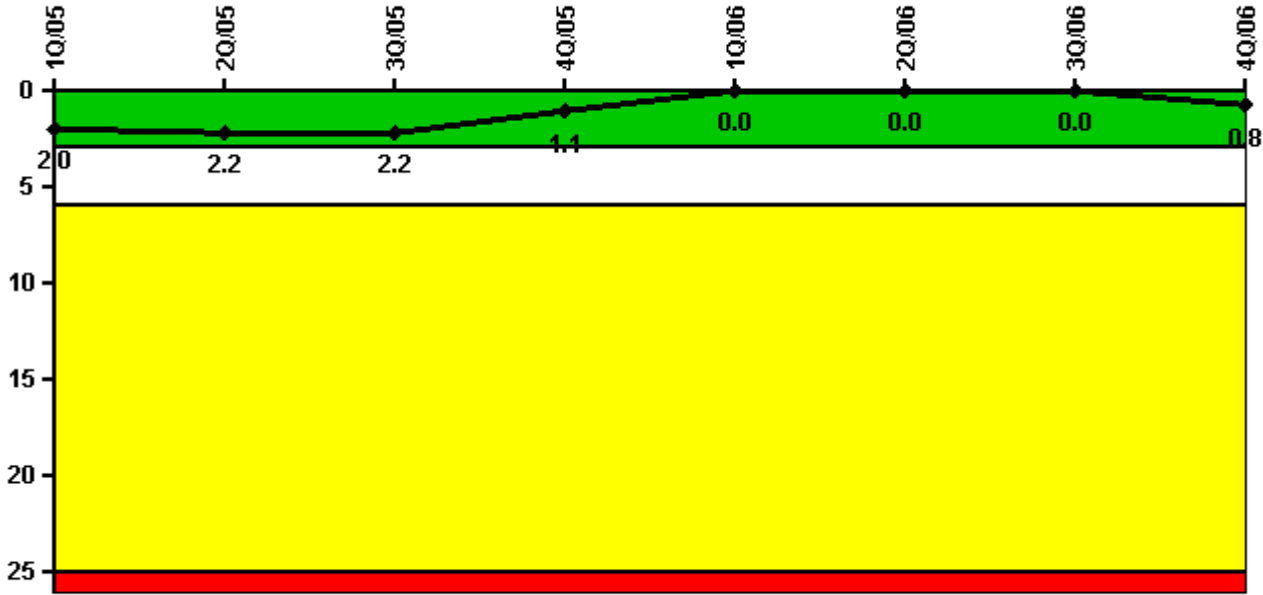
[Physical Protection](#) information not publicly available.

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4Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



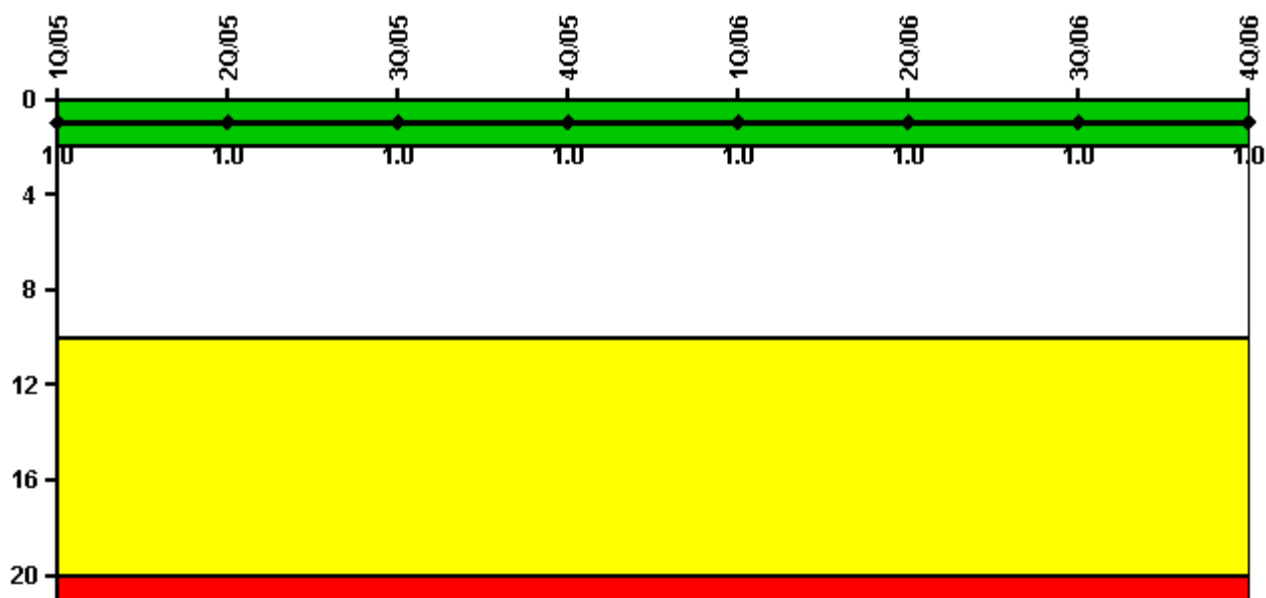
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	1.0
Critical hours	653.2	1398.7	2208.0	2209.0	2160.0	2183.0	2208.0	2080.3
Indicator value	2.0	2.2	2.2	1.1	0	0	0	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



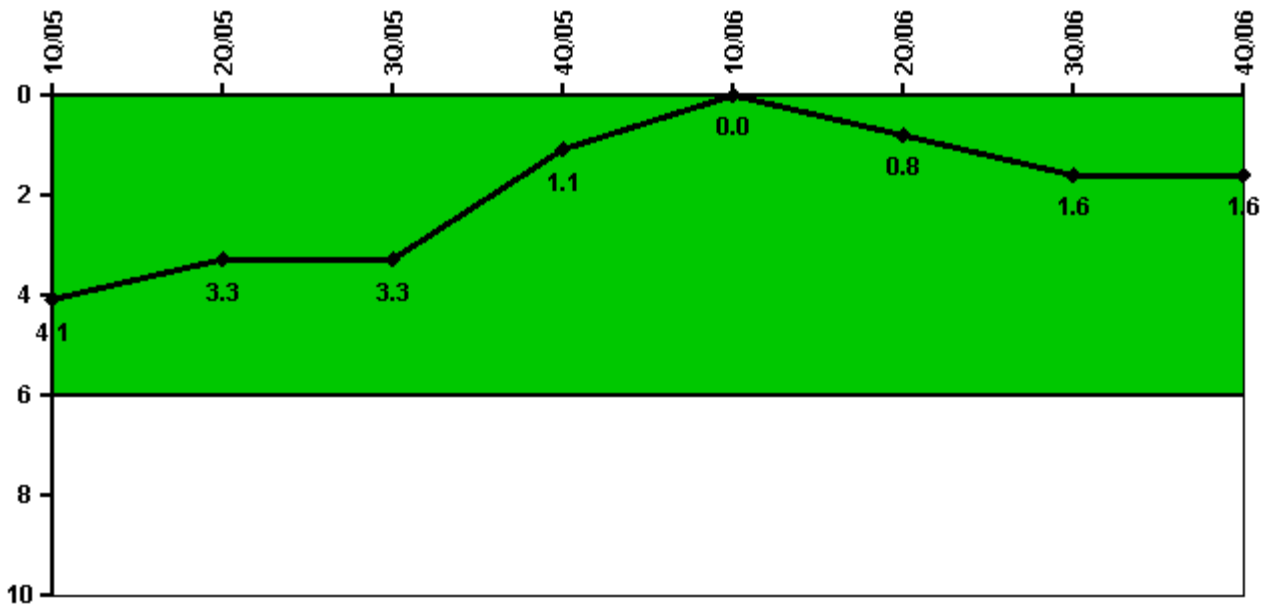
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	1.0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	1.0	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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	1.0	0	0	0	0	1.0	1.0	0
Critical hours	653.2	1398.7	2208.0	2209.0	2160.0	2183.0	2208.0	2080.3
Indicator value	4.1	3.3	3.3	1.1	0	0.8	1.6	1.6

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

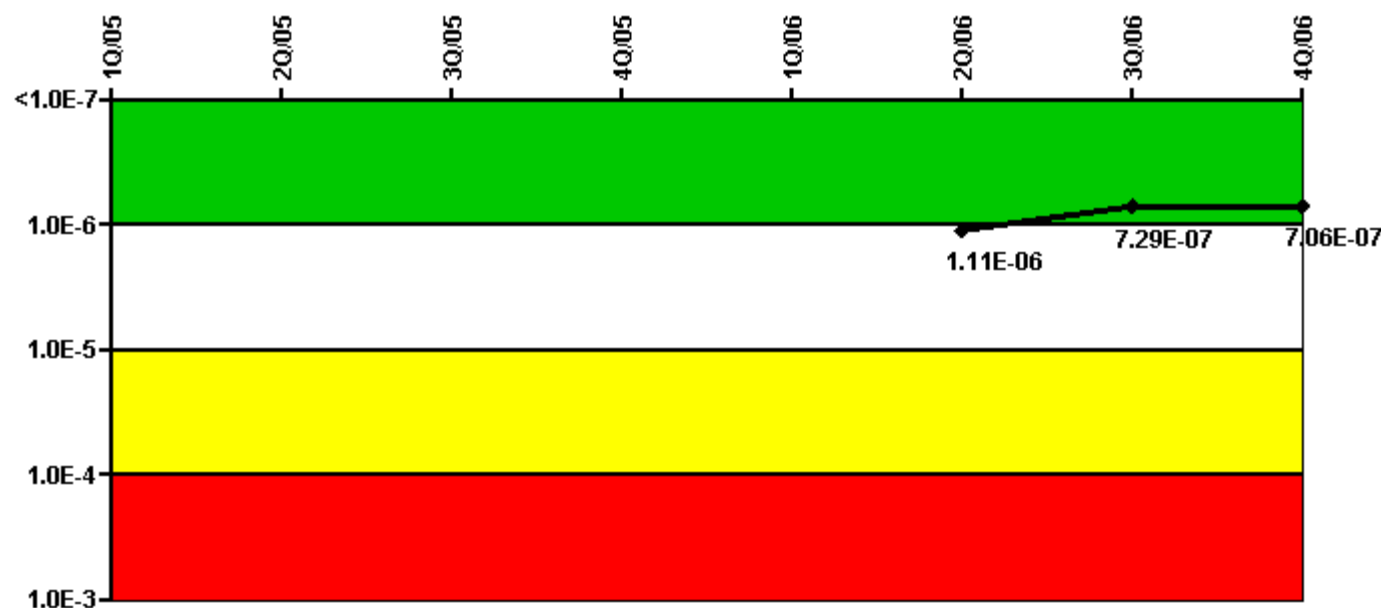
Notes

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

Licensee Comments:

4Q/06: Licensee Event Report (LER) 2006-004, "Oscillation Power Range Monitors (OPRMs) 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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						1.10E-07	7.90E-08	5.60E-08
URI (Δ CDF)						1.00E-06	6.50E-07	6.50E-07
PLE						NO	NO	NO
Indicator value						1.11E-06	7.29E-07	7.06E-07

Licensee Comments:

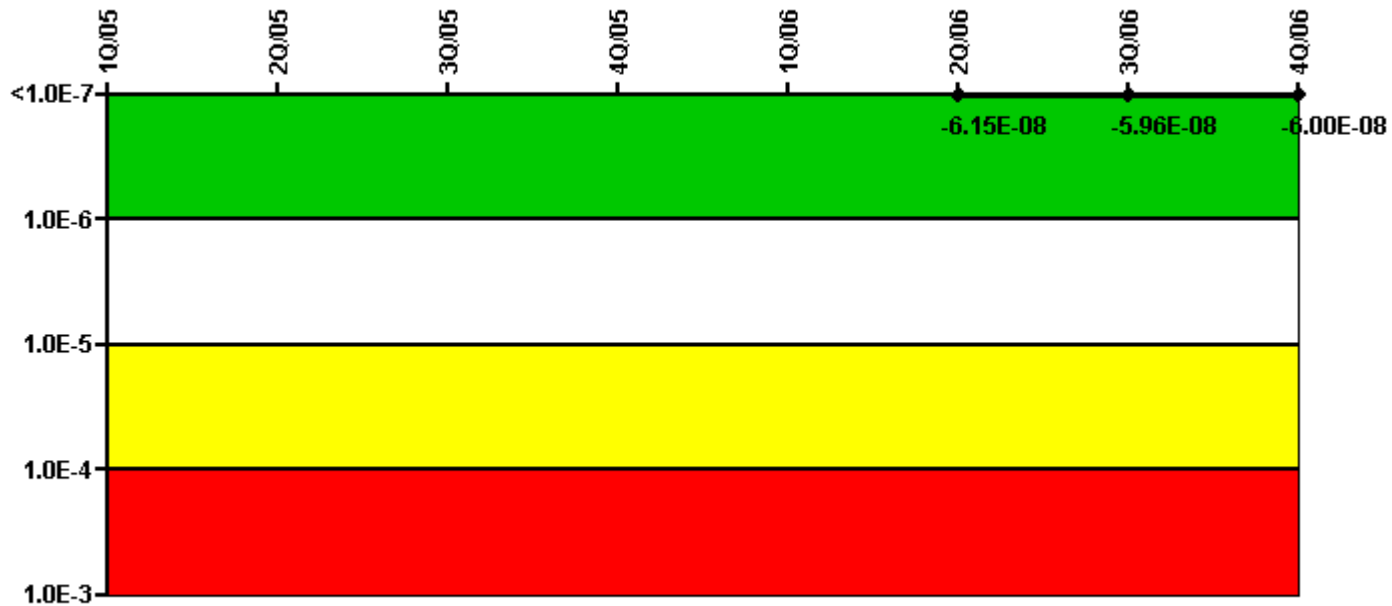
3Q/06: Changed PRA Parameter(s). During development/approval of the revised Mitigating Systems Performance Index (MSPI) Basis Document (Revision 2), the determination of the applicable revision of the Cycle 11 Probabilistic Risk Assessment (PRA) model was unclear due to lack of specific guidance from NEI 99-02, Revision 4. This uncertainty has resulted in overwriting of PRA data in CDE (including reconstituting baseline data). Resolution of this issue continues and necessary changes to the basis document will be made along with resultant changes to the MSPI indicator in accordance with industry guidance. These changes may result in greater than minor effects on the MSPI indicator values in the Second Quarter 2006, Emergency AC Power System. In addition, the Frequently Asked Question process will be used to pursue the ultimate clarification of this issue.

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

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

2Q/06: 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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-3.50E-09	-3.60E-09	-4.00E-09
URI (ΔCDF)						-5.80E-08	-5.60E-08	-5.60E-08
PLE						NO	NO	NO
Indicator value						-6.15E-08	-5.96E-08	-6.00E-08

Licensee Comments:

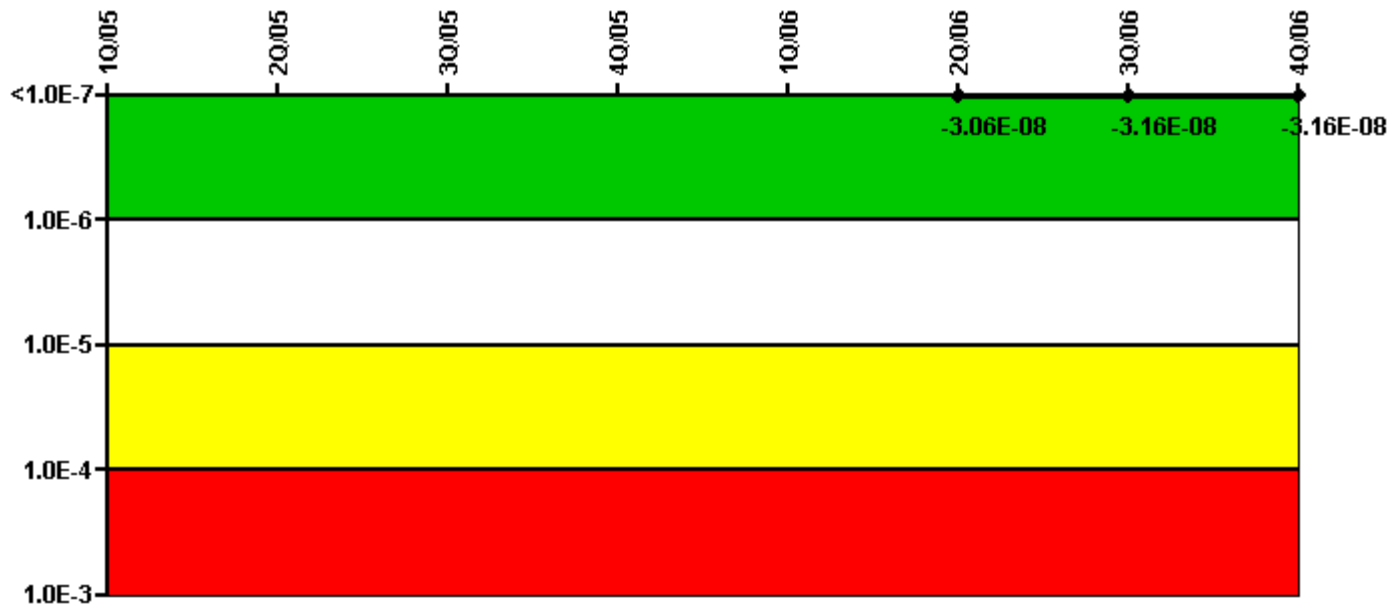
3Q/06: Changed PRA Parameter(s).

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

2Q/06: Changed PRA Parameter(s).

2Q/06: 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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ACDF)						-3.60E-09	-3.60E-09	-3.60E-09
URI (ACDF)						-2.70E-08	-2.80E-08	-2.80E-08
PLE						NO	NO	NO
Indicator value						-3.06E-08	-3.16E-08	-3.16E-08

Licensee Comments:

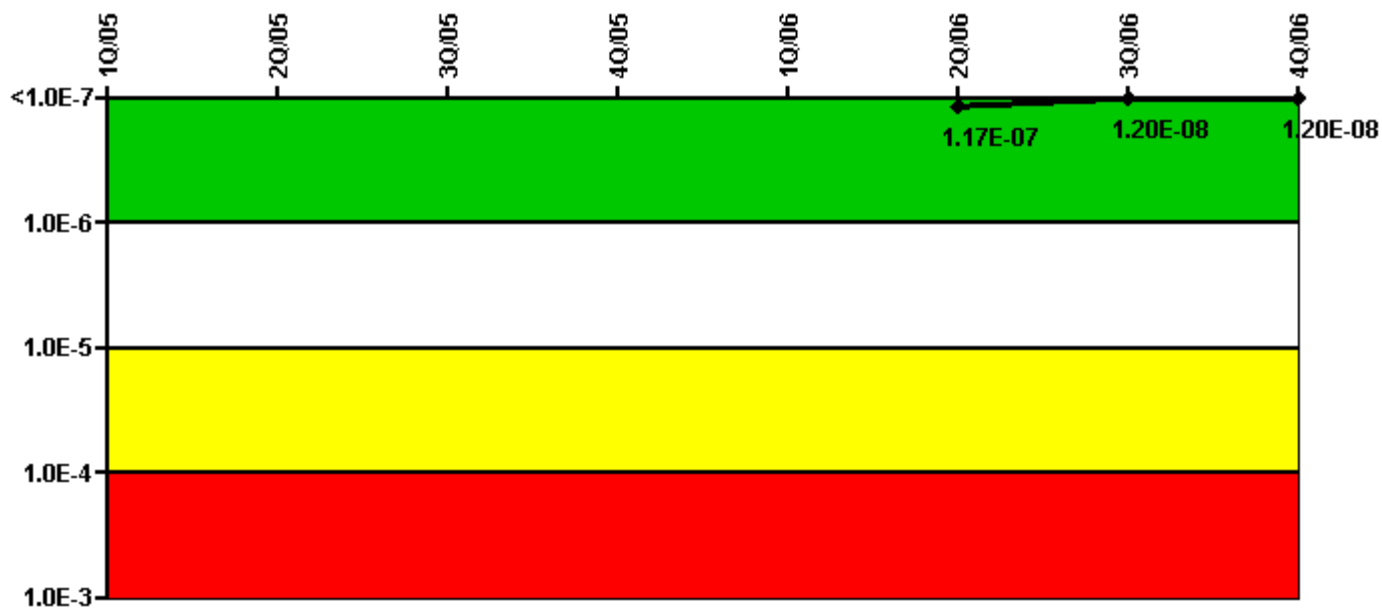
3Q/06: Changed PRA Parameter(s).

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

2Q/06: Changed PRA Parameter(s).

2Q/06: 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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-6.30E-08	-7.10E-08	-7.10E-08
URI (ΔCDF)						1.80E-07	8.30E-08	8.30E-08
PLE						NO	NO	NO
Indicator value						1.17E-07	1.20E-08	1.20E-08

Licensee Comments:

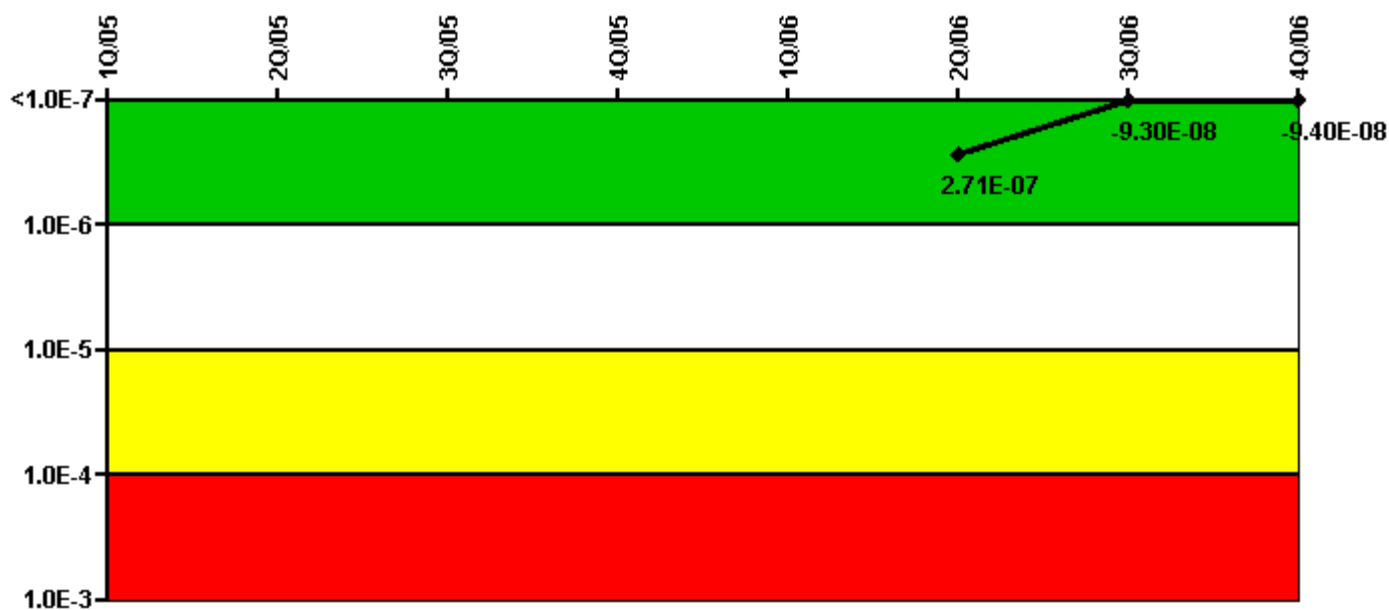
3Q/06: Changed PRA Parameter(s).

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

2Q/06: Changed PRA Parameter(s).

2Q/06: 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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ACDF)						1.10E-08	-5.70E-08	-5.80E-08
URI (ACDF)						2.60E-07	-3.60E-08	-3.60E-08
PLE						NO	NO	NO
Indicator value						2.71E-07	-9.30E-08	-9.40E-08

Licensee Comments:

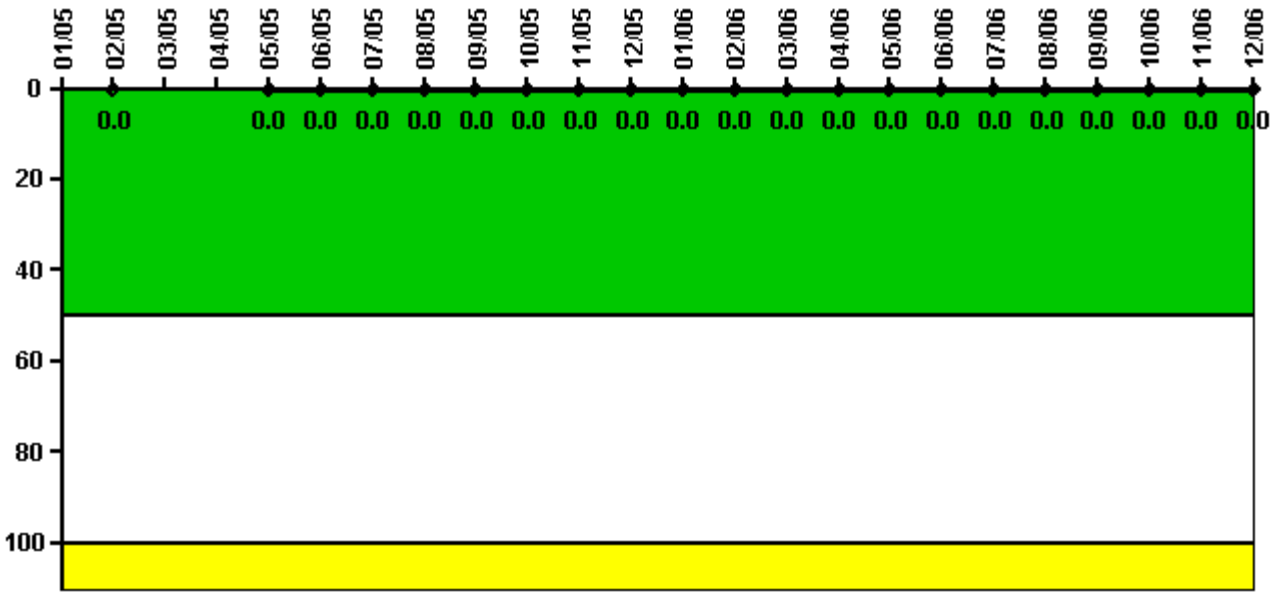
3Q/06: Changed PRA Parameter(s).

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

2Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).

Reactor Coolant System Activity



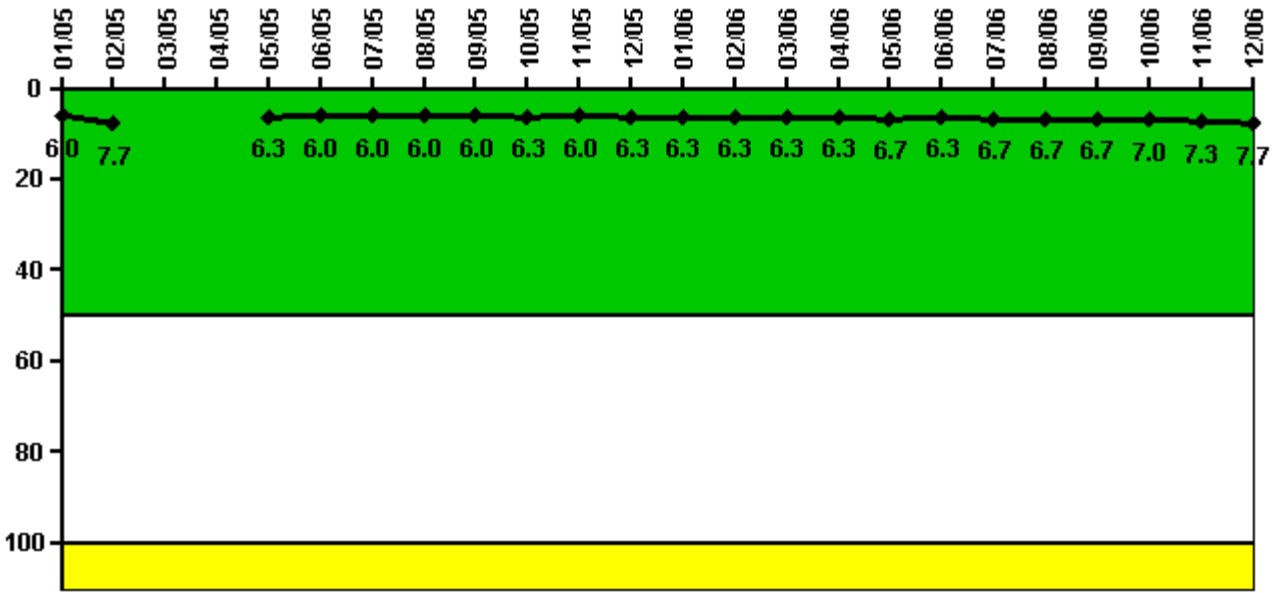
Thresholds: White > 50.0 Yellow > 100.0

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		N/A	0.000057	N/A	N/A	0.000030	0.000032	0.000029	0.000036	0.000054	0.000034	0.000032	0.000035
Technical specification limit		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value		N/A	0	N/A	N/A	0	0	0	0	0	0	0	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		0.000048	0.000035	0.000046	0.000042	0.000045	0.000034	0.000037	0.000044	0.000043	0.000048	0.000035	0.000043
Technical specification limit		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value		0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

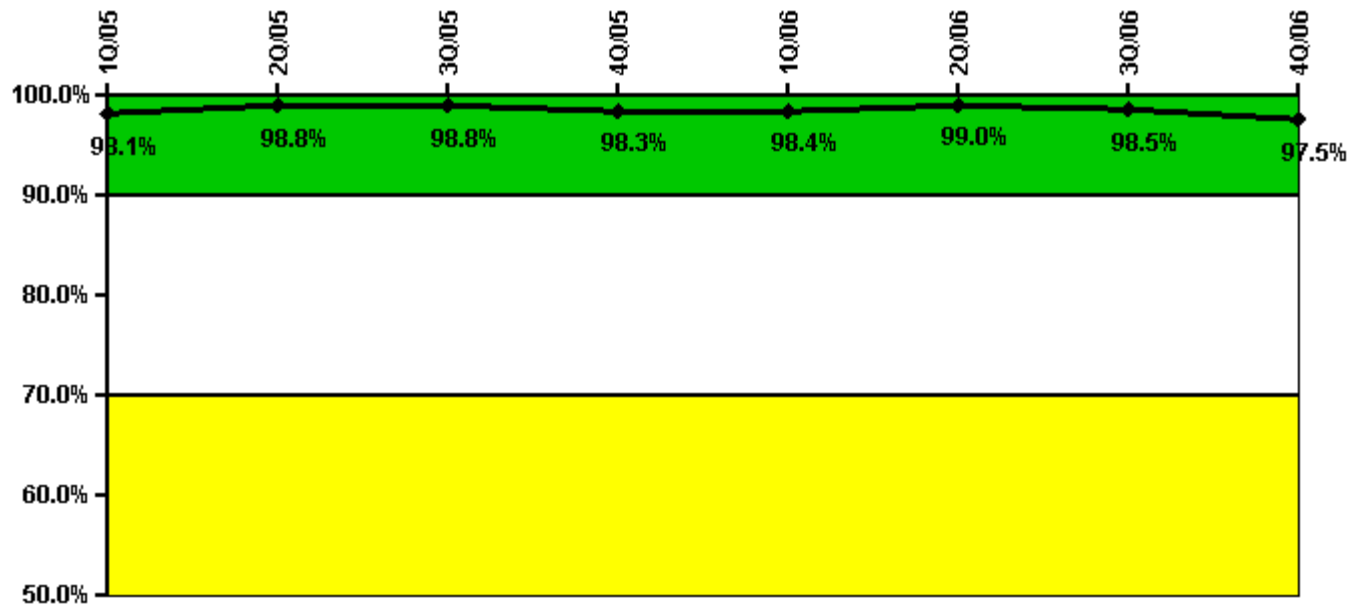
Notes

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	1.800	2.300	N/A	N/A	1.900	1.800	1.800	1.800	1.800	1.900	1.800	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.0	7.7	N/A	N/A	6.3	6.0	6.0	6.0	6.0	6.3	6.0	6.3

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	1.900	1.900	1.900	1.900	2.000	1.900	2.000	2.000	2.000	2.100	2.200	2.300
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.3	6.3	6.3	6.7	6.3	6.7	6.7	6.7	7.0	7.3	7.7

Licensee Comments: none

Drill/Exercise Performance



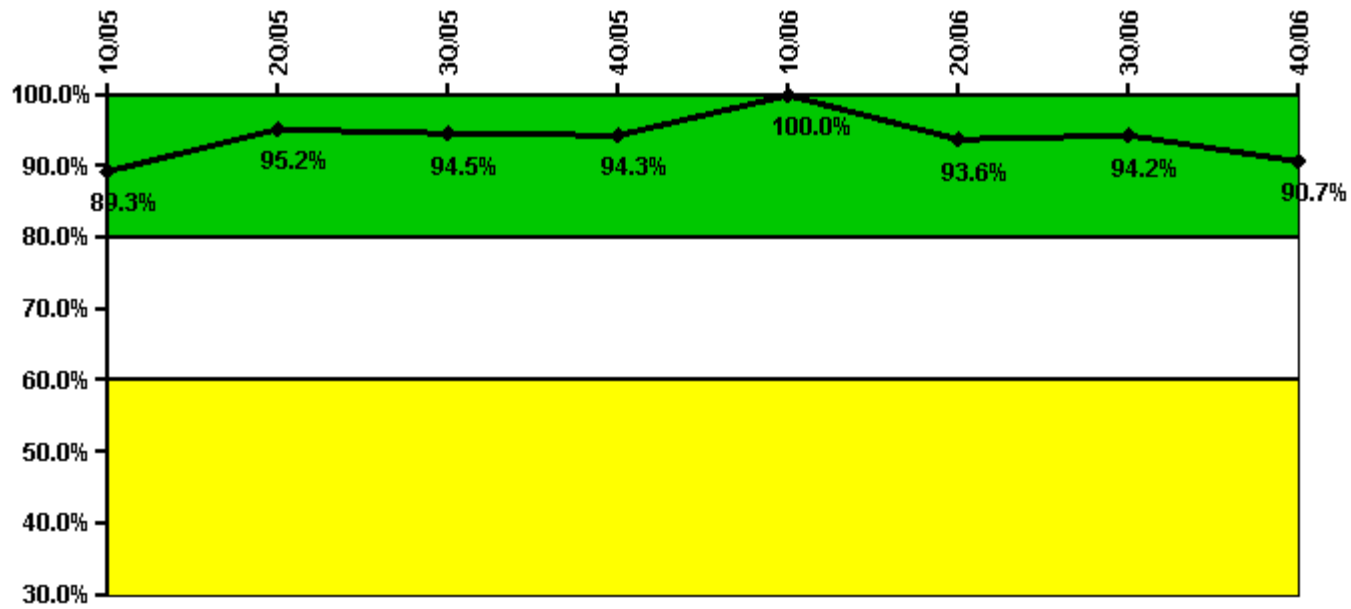
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	0	20.0	10.0	43.0	26.0	22.0	24.0	54.0
Total opportunities	0	20.0	10.0	44.0	26.0	22.0	26.0	56.0
Indicator value	98.1%	98.8%	98.8%	98.3%	98.4%	99.0%	98.5%	97.5%

Licensee Comments: none

ERO Drill Participation



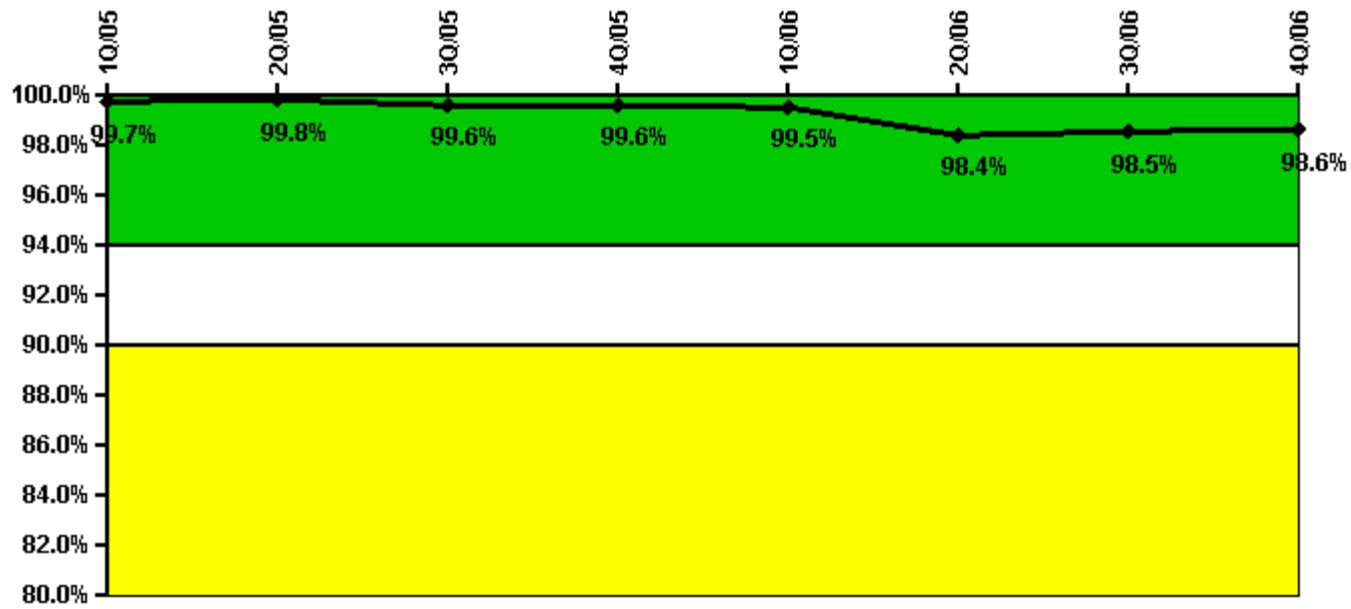
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	117.0	119.0	121.0	133.0	166.0	162.0	162.0	147.0
Total Key personnel	131.0	125.0	128.0	141.0	166.0	173.0	172.0	162.0
Indicator value	89.3%	95.2%	94.5%	94.3%	100.0%	93.6%	94.2%	90.7%

Licensee Comments: none

Alert & Notification System



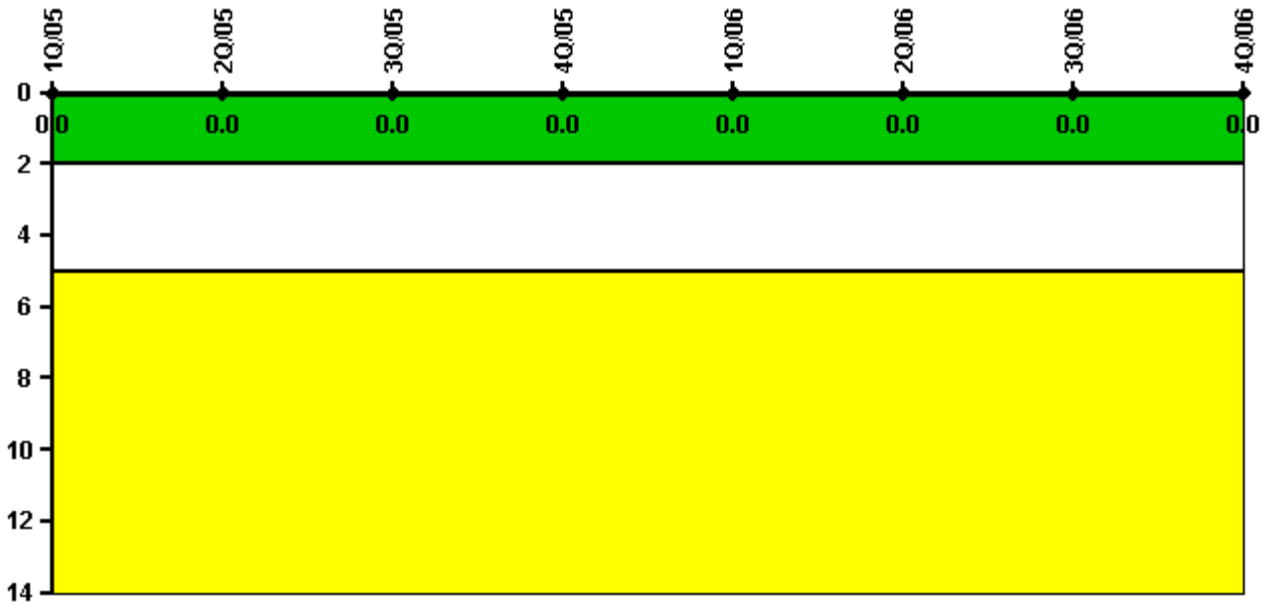
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	531	531	528	529	529	508	531	531
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.7%	99.8%	99.6%	99.6%	99.5%	98.4%	98.5%	98.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



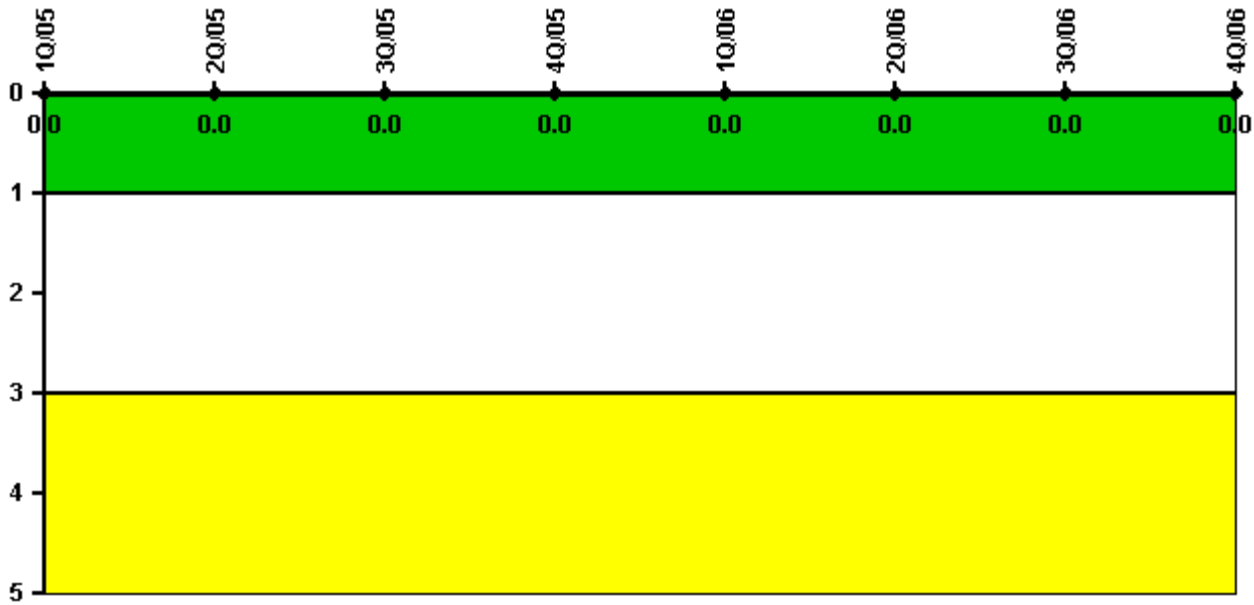
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

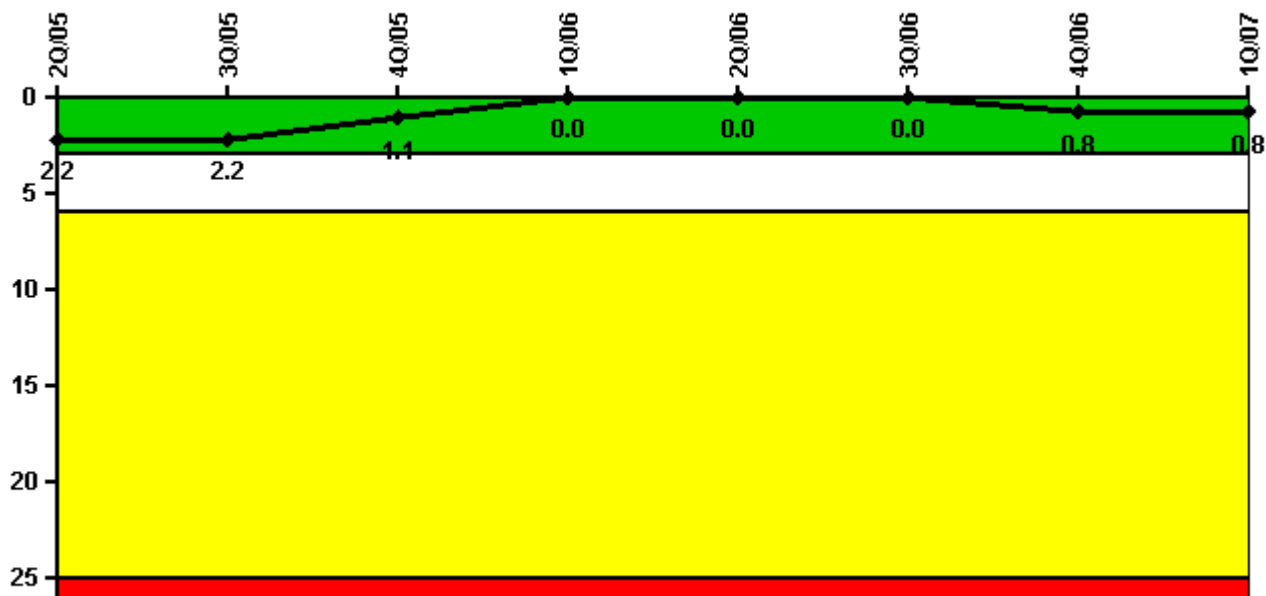
[Physical Protection](#) information not publicly available.

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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	1.0	0
Critical hours	1398.7	2208.0	2209.0	2160.0	2183.0	2208.0	2080.3	2159.0
Indicator value	2.2	2.2	1.1	0	0	0	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



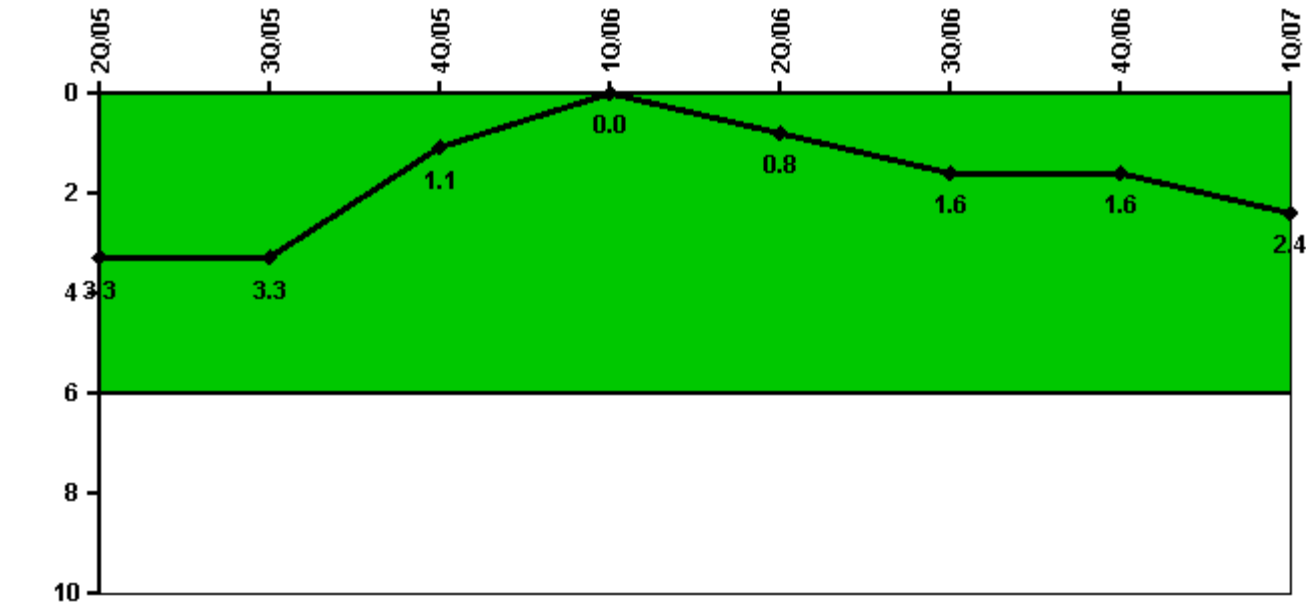
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



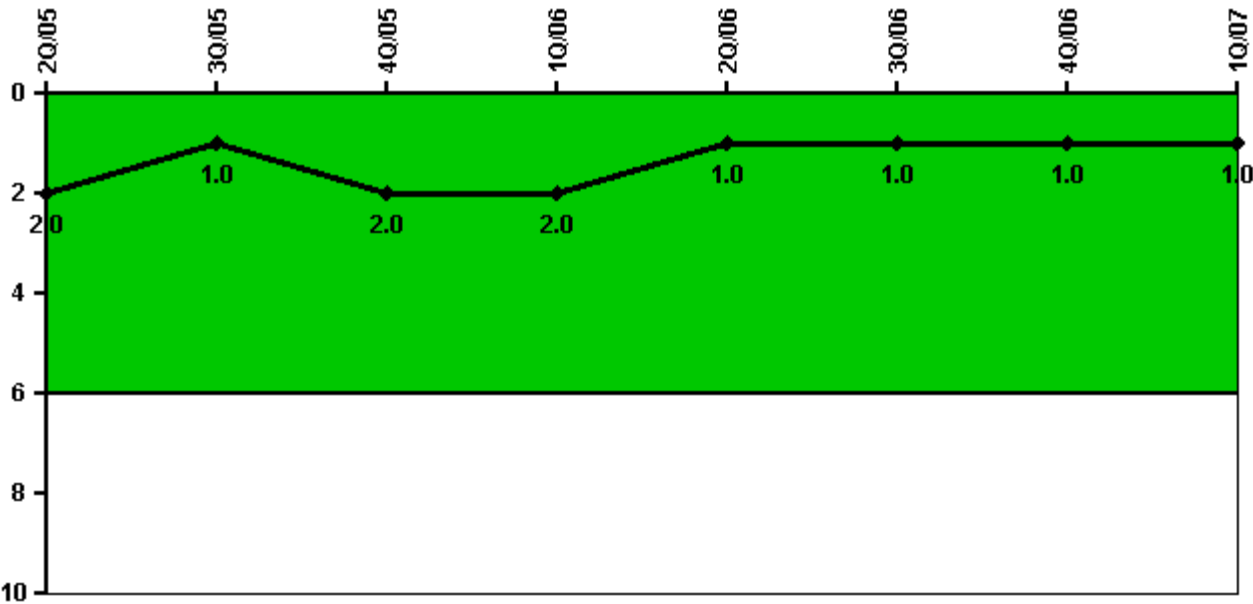
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	0	1.0	1.0	0	1.0
Critical hours	1398.7	2208.0	2209.0	2160.0	2183.0	2208.0	2080.3	2159.0
Indicator value	3.3	3.3	1.1	0	0.8	1.6	1.6	2.4

Licensee Comments: none

Safety System Functional Failures (BWR)



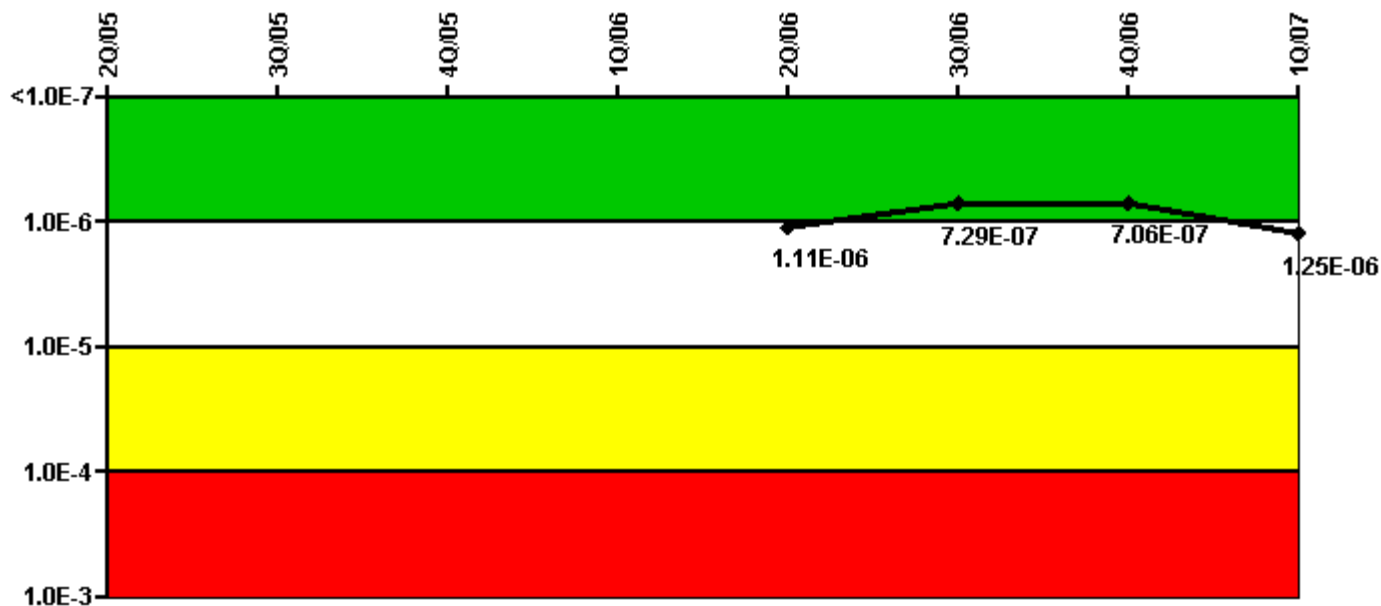
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

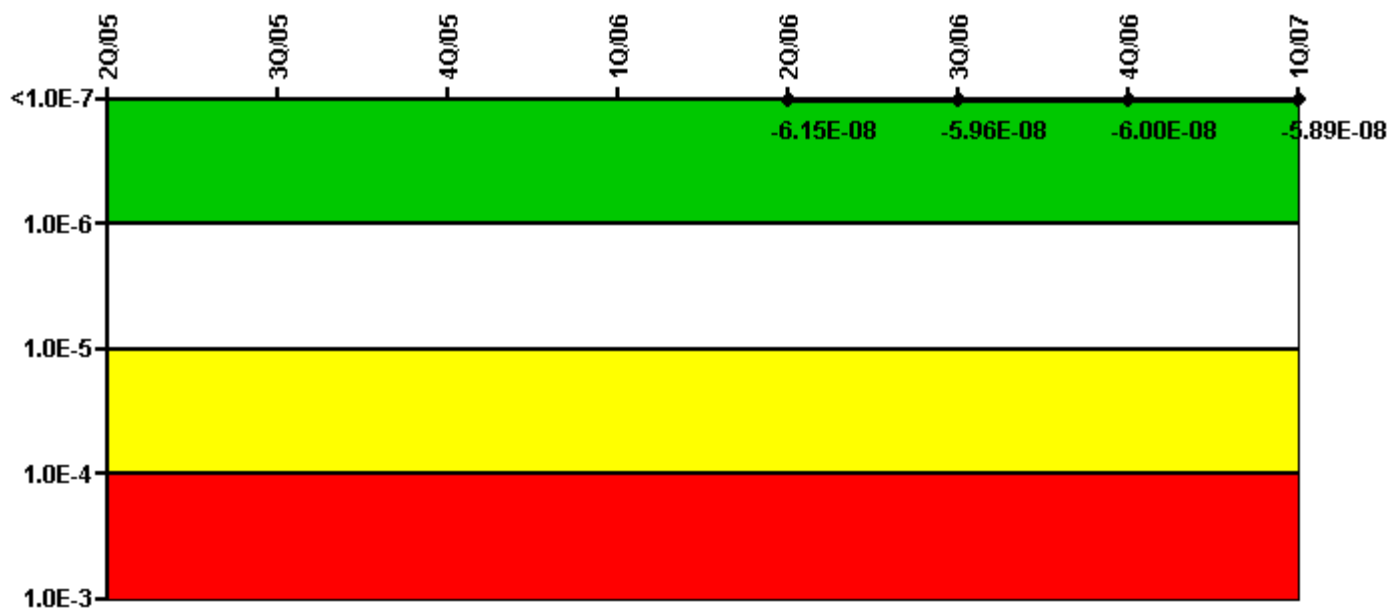
Notes

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 (ΔCDF)					1.10E-07	7.90E-08	5.60E-08	4.90E-08
URI (ΔCDF)					1.00E-06	6.50E-07	6.50E-07	1.20E-06
PLE					NO	NO	NO	NO
Indicator value					1.11E-06	7.29E-07	7.06E-07	1.25E-06

Licensee Comments:

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

Mitigating Systems Performance Index, High Pressure Injection System



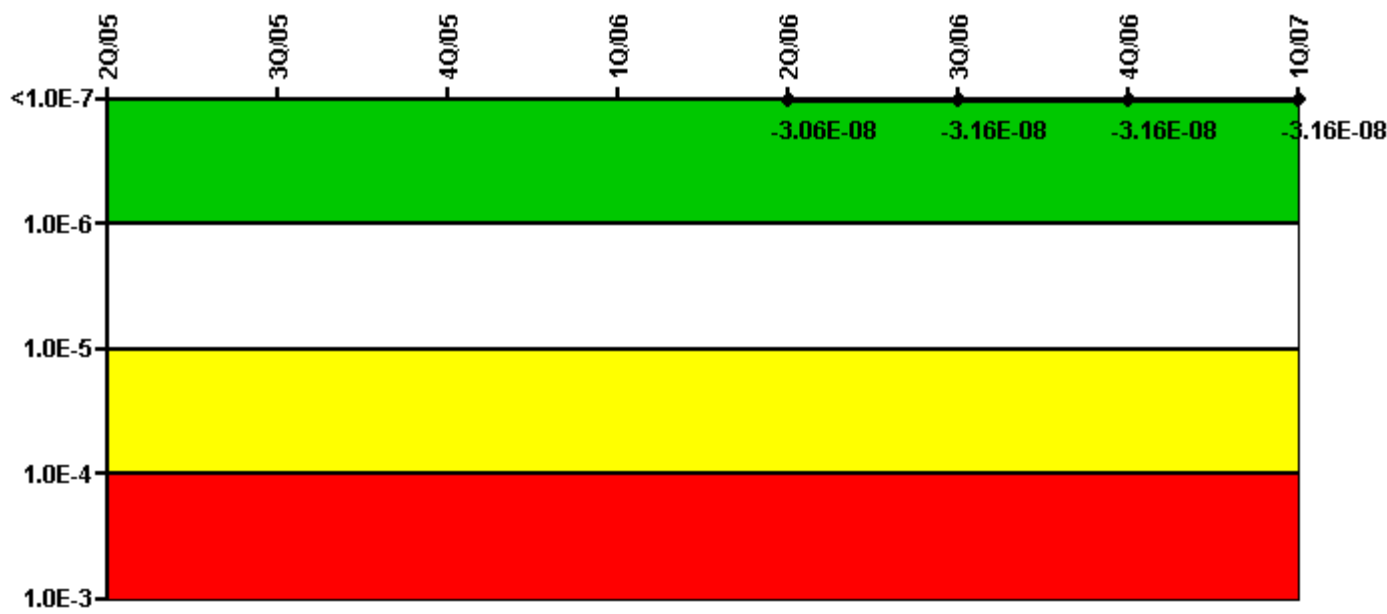
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)					-3.50E-09	-3.60E-09	-4.00E-09	-2.90E-09
URI (ΔCDF)					-5.80E-08	-5.60E-08	-5.60E-08	-5.60E-08
PLE					NO	NO	NO	NO
Indicator value					-6.15E-08	-5.96E-08	-6.00E-08	-5.89E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



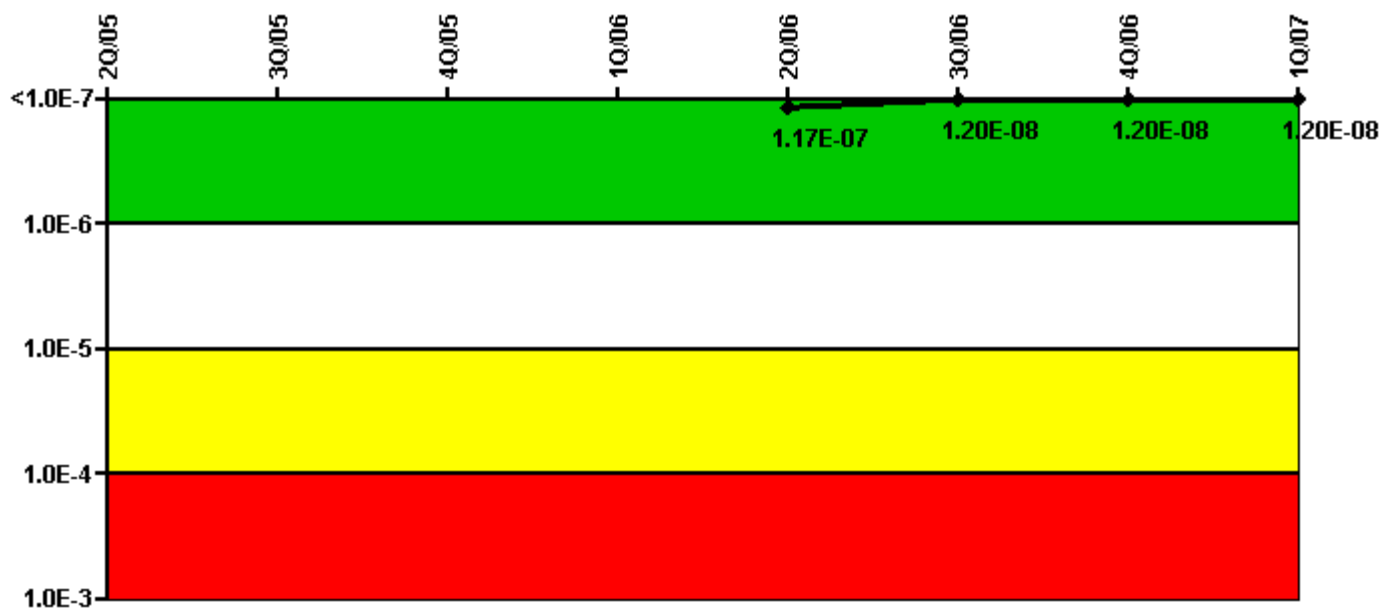
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09
URI (ΔCDF)					-2.70E-08	-2.80E-08	-2.80E-08	-2.80E-08
PLE					NO	NO	NO	NO
Indicator value					-3.06E-08	-3.16E-08	-3.16E-08	-3.16E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



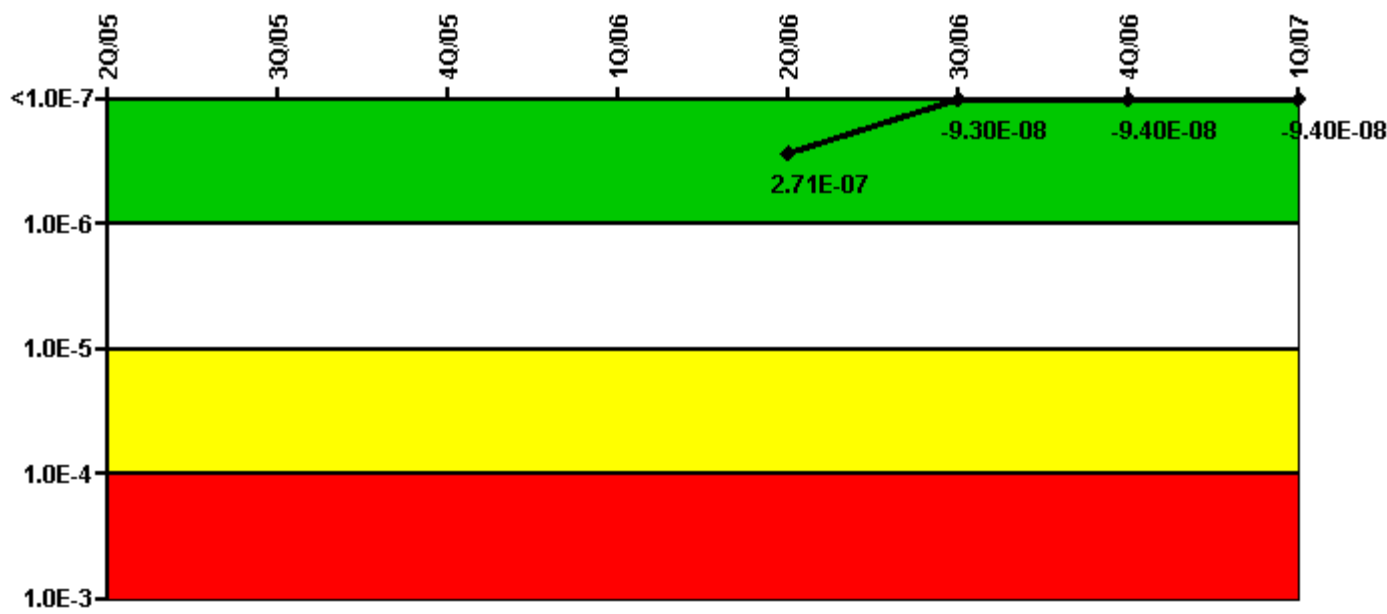
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ACDF)					-6.30E-08	-7.10E-08	-7.10E-08	-7.10E-08
URI (ACDF)					1.80E-07	8.30E-08	8.30E-08	8.30E-08
PLE					NO	NO	NO	NO
Indicator value					1.17E-07	1.20E-08	1.20E-08	1.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



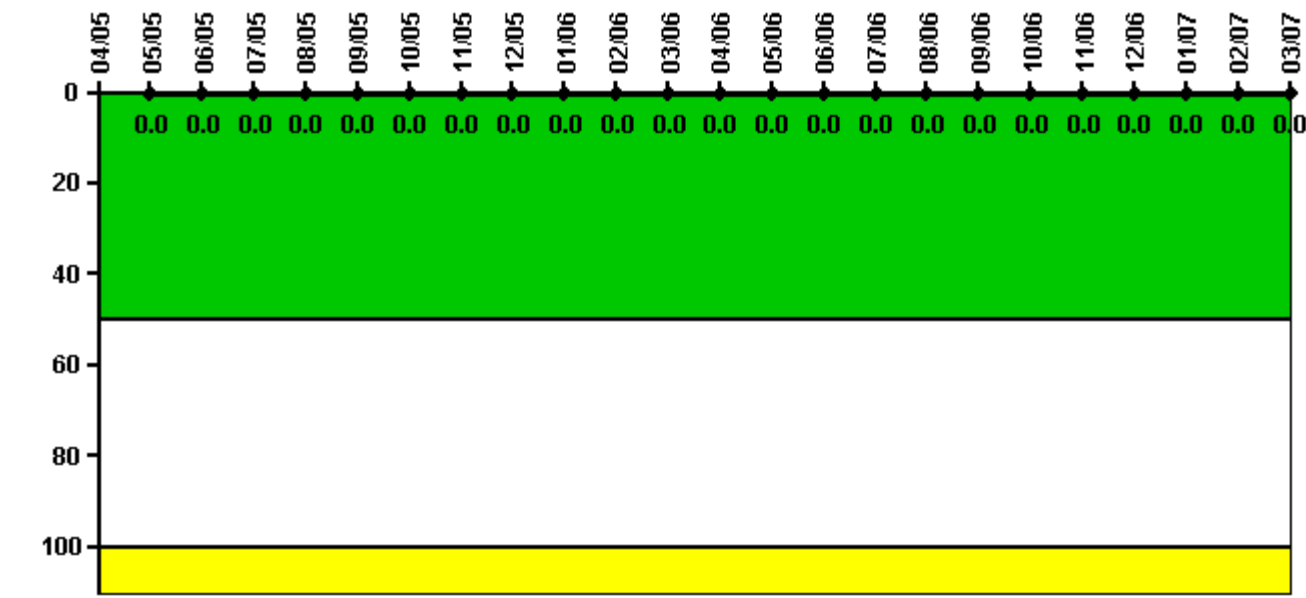
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					1.10E-08	-5.70E-08	-5.80E-08	-5.80E-08
URI (ΔCDF)					2.60E-07	-3.60E-08	-3.60E-08	-3.60E-08
PLE					NO	NO	NO	NO
Indicator value					2.71E-07	-9.30E-08	-9.40E-08	-9.40E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

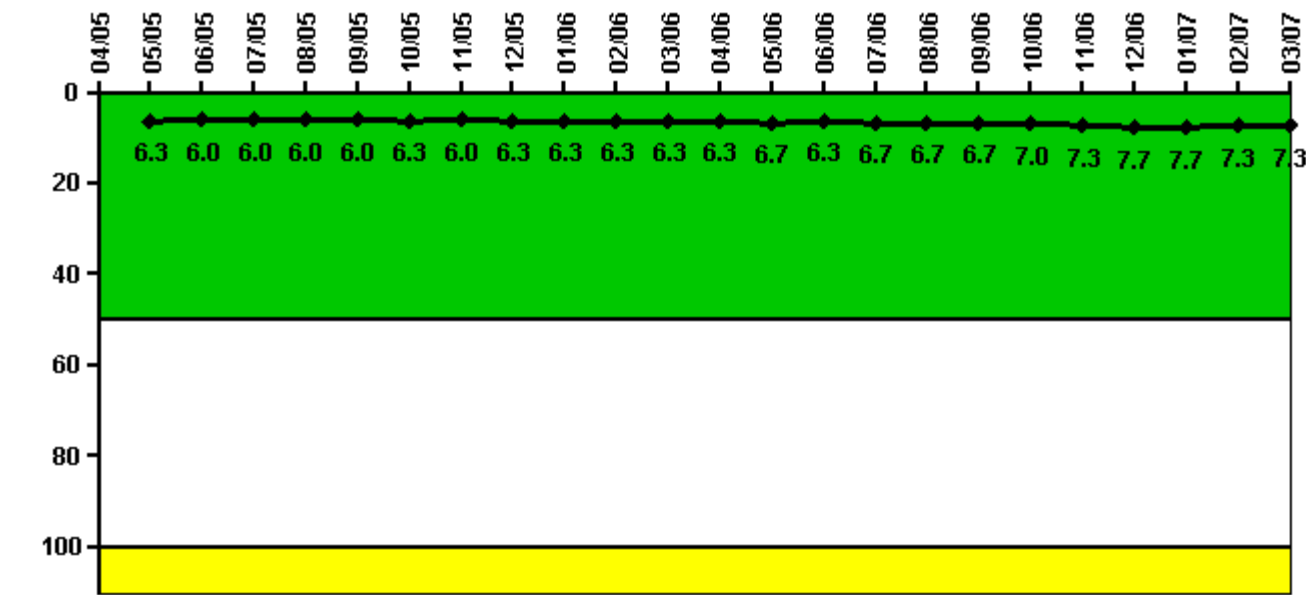
Notes

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	N/A	0.000030	0.000032	0.000029	0.000036	0.000054	0.000034	0.000032	0.000035	0.000048	0.000035	0.000046
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0	0	0	0	0	0	0	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	0.000042	0.000045	0.000034	0.000037	0.000044	0.000043	0.000048	0.000035	0.000043	0.000047	0.000043	0.000046
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

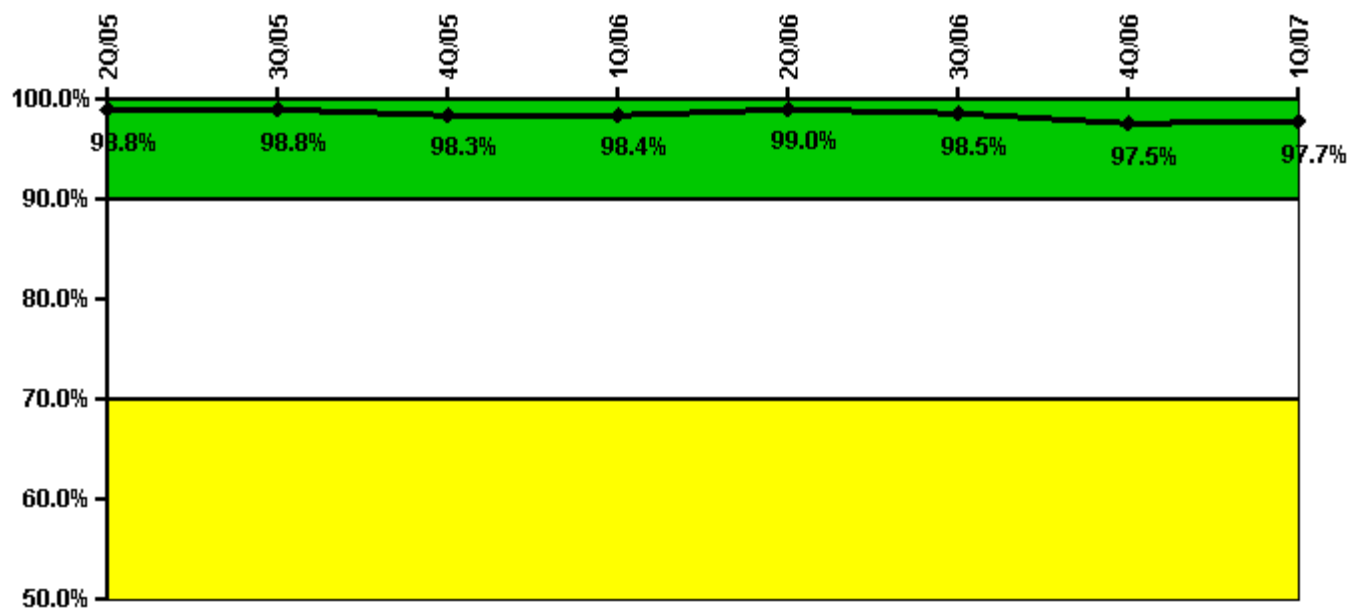
Notes

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	N/A	1.900	1.800	1.800	1.800	1.800	1.900	1.800	1.900	1.900	1.900	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	6.3	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.3

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	1.900	2.000	1.900	2.000	2.000	2.000	2.100	2.200	2.300	2.300	2.200	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.7	6.3	6.7	6.7	6.7	7.0	7.3	7.7	7.7	7.3	7.3

Licensee Comments: none

Drill/Exercise Performance



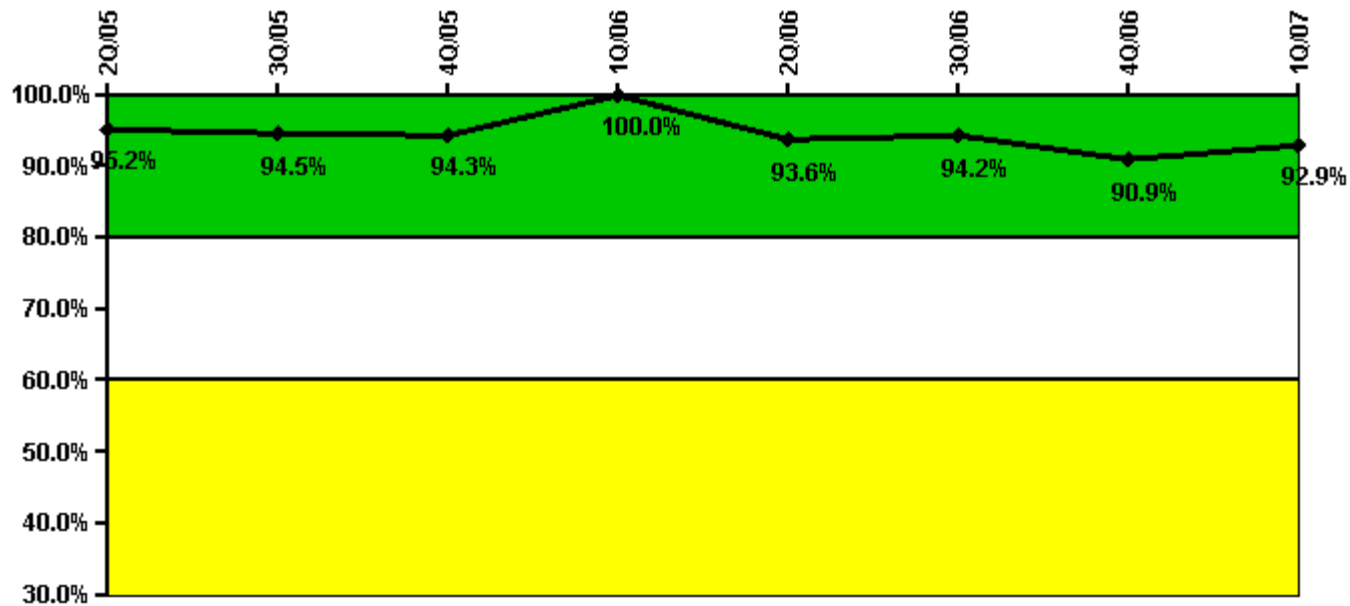
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	20.0	10.0	43.0	26.0	22.0	24.0	54.0	10.0
Total opportunities	20.0	10.0	44.0	26.0	22.0	26.0	56.0	10.0
Indicator value	98.8%	98.8%	98.3%	98.4%	99.0%	98.5%	97.5%	97.7%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

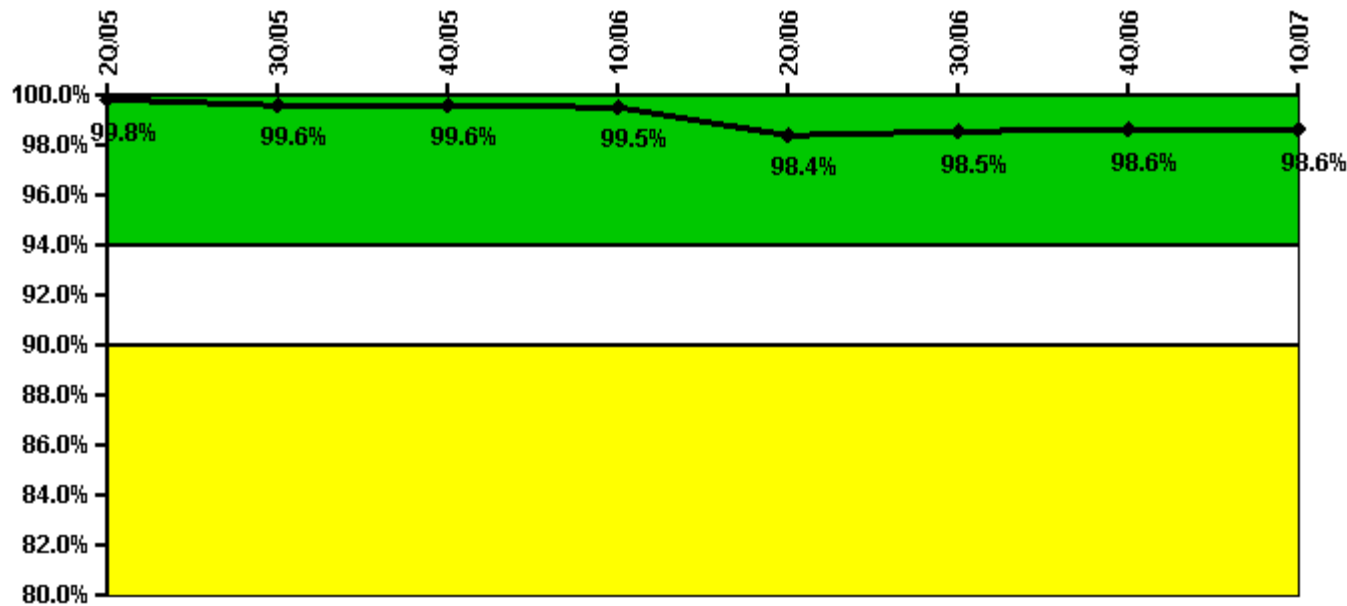
Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	119.0	121.0	133.0	166.0	162.0	162.0	149.0	157.0
Total Key personnel	125.0	128.0	141.0	166.0	173.0	172.0	164.0	169.0
Indicator value	95.2%	94.5%	94.3%	100.0%	93.6%	94.2%	90.9%	92.9%

Licensee Comments:

4Q/06: Two ERO members who were not included in the 2006 fourth quarter submittal were added to the total number of Key ERO Personnel. Additionally, since both individuals participated in a drill, they were included in those totals as well. The result of the change was a small increase in the participation percentage.

Alert & Notification System



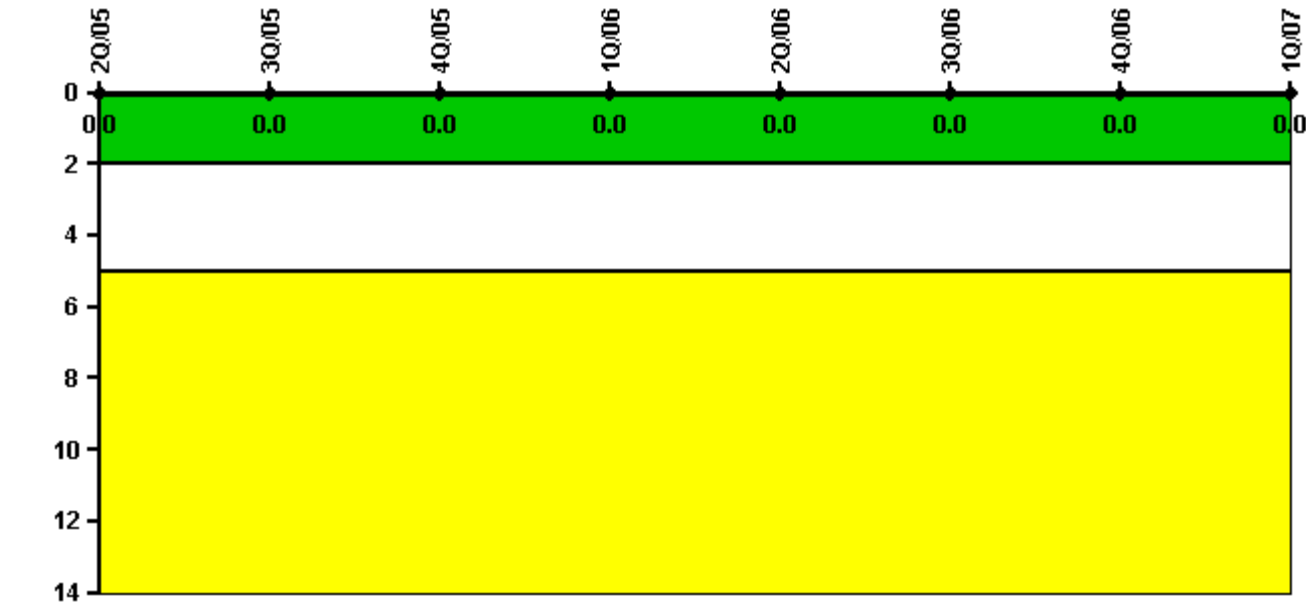
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	531	528	529	529	508	531	531	528
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.8%	99.6%	99.6%	99.5%	98.4%	98.5%	98.6%	98.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



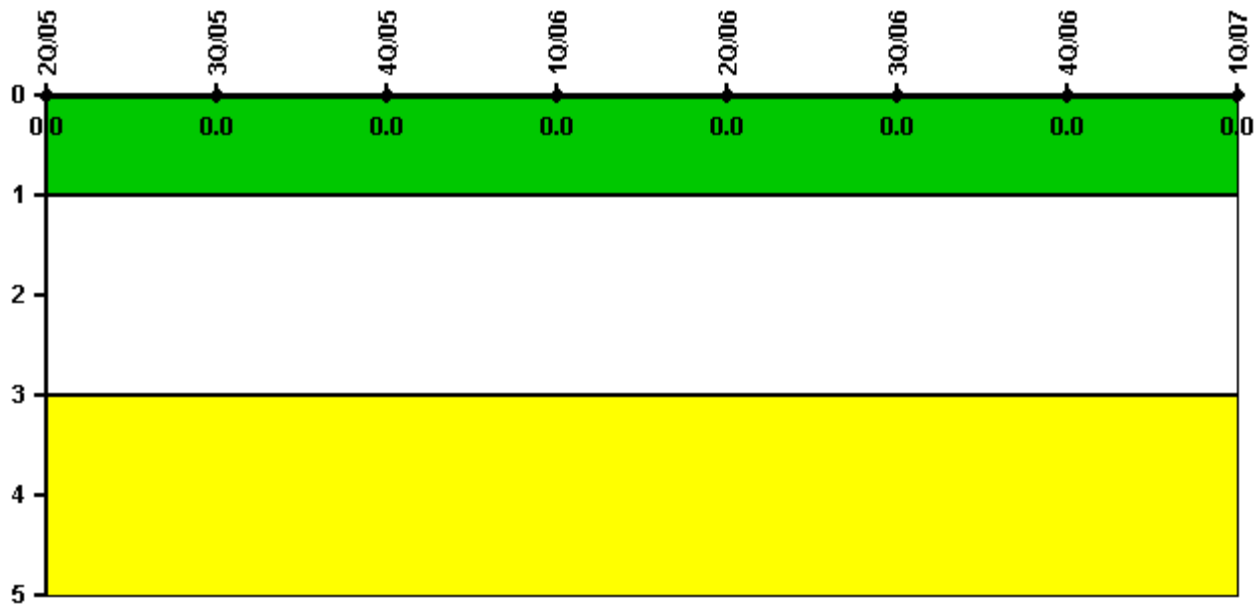
Thresholds: White > 2.0 Yellow > 5.0

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	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/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.

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

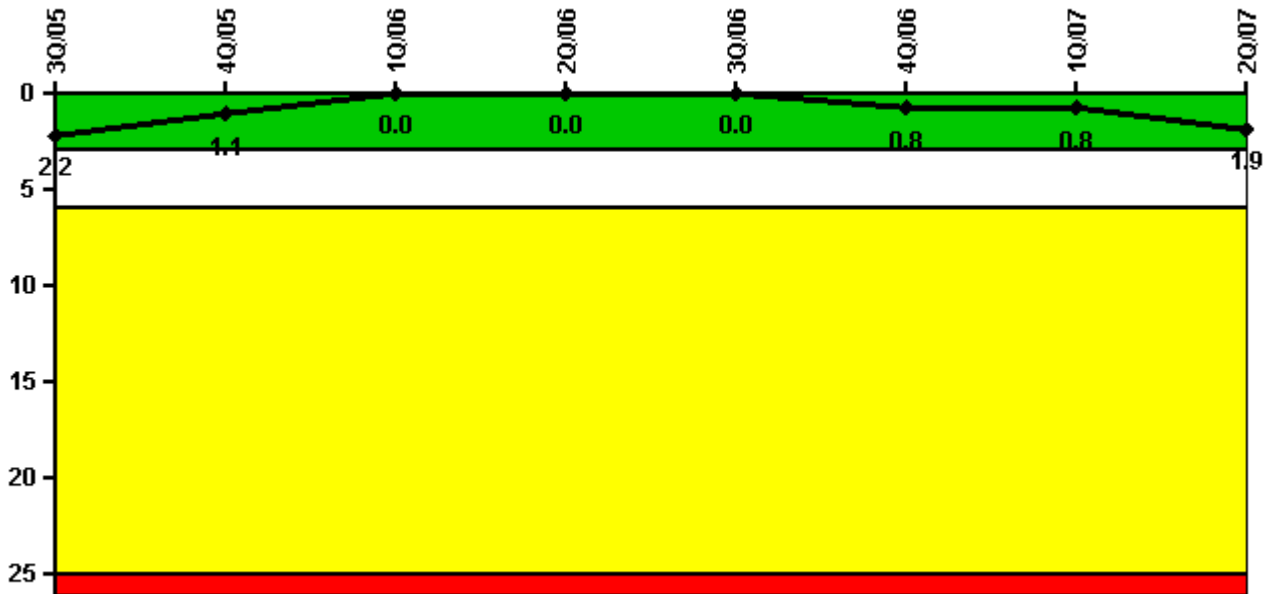
Last Modified: June 1, 2007

Perry 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	1.0	0	1.0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	2080.3	2159.0	1106.2
Indicator value	2.2	1.1	0	0	0	0.8	0.8	1.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



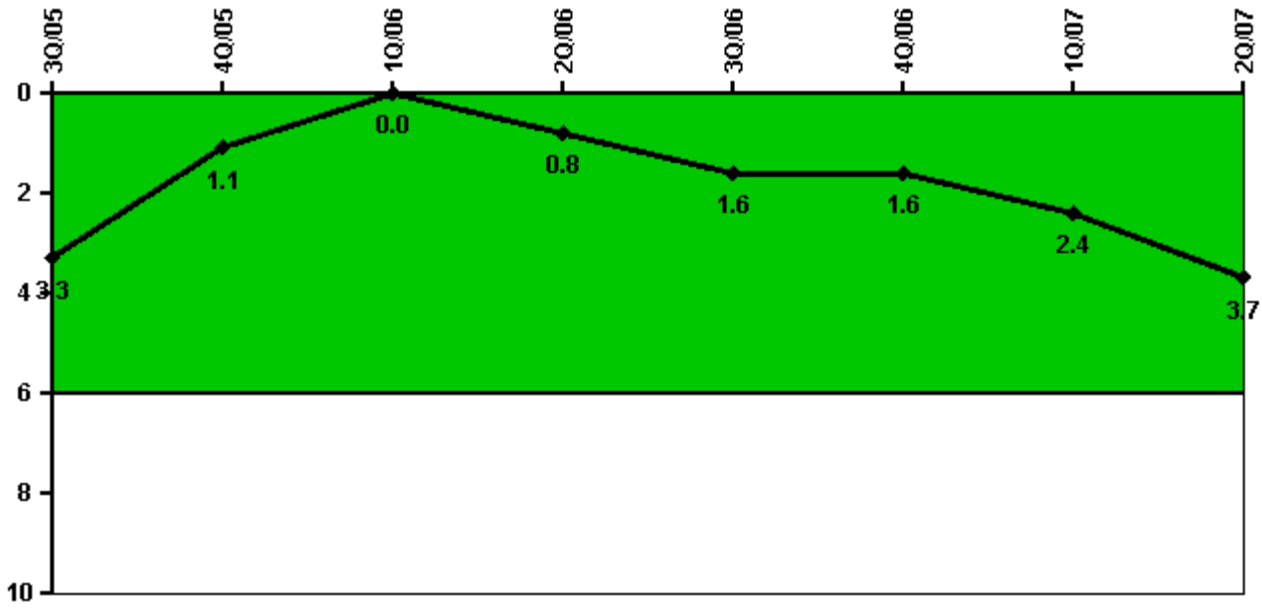
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



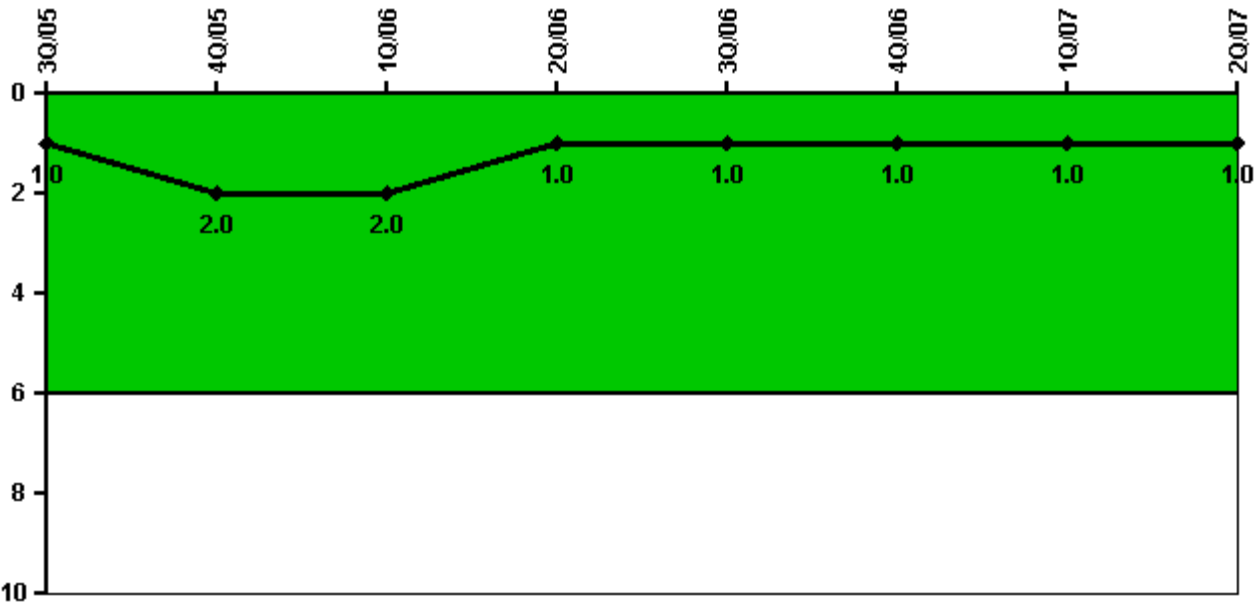
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	1.0	1.0	0	1.0	2.0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	2080.3	2159.0	1106.2
Indicator value	3.3	1.1	0	0.8	1.6	1.6	2.4	3.7

Licensee Comments: none

Safety System Functional Failures (BWR)



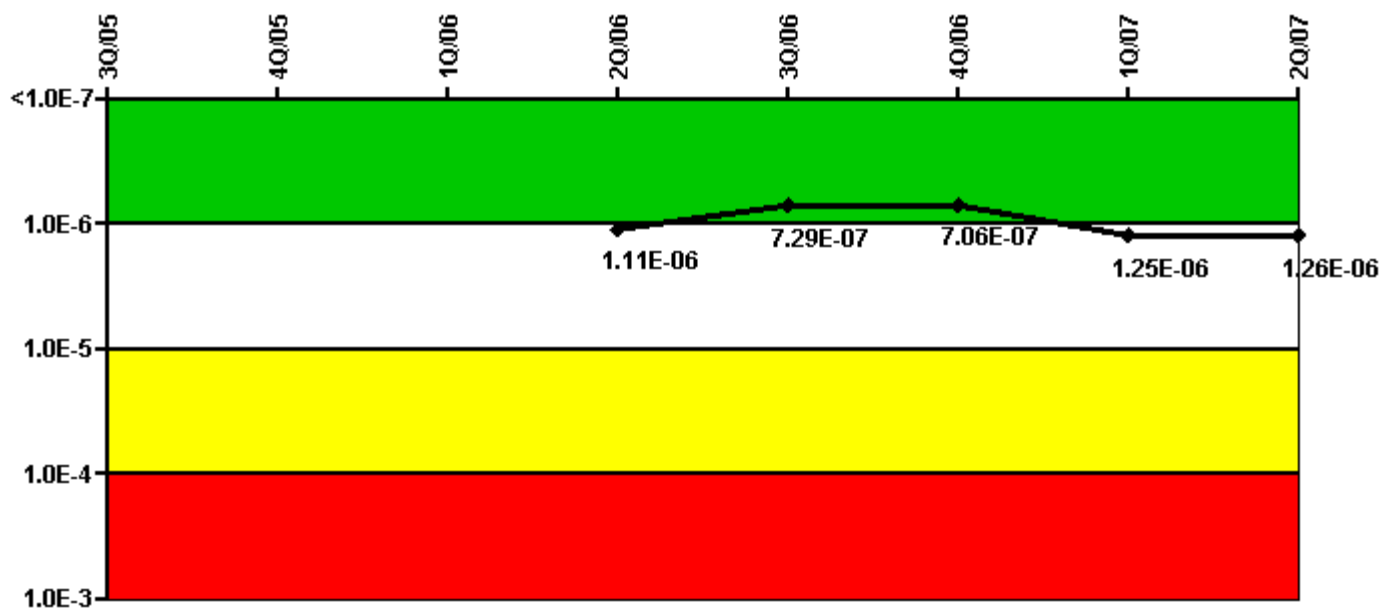
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

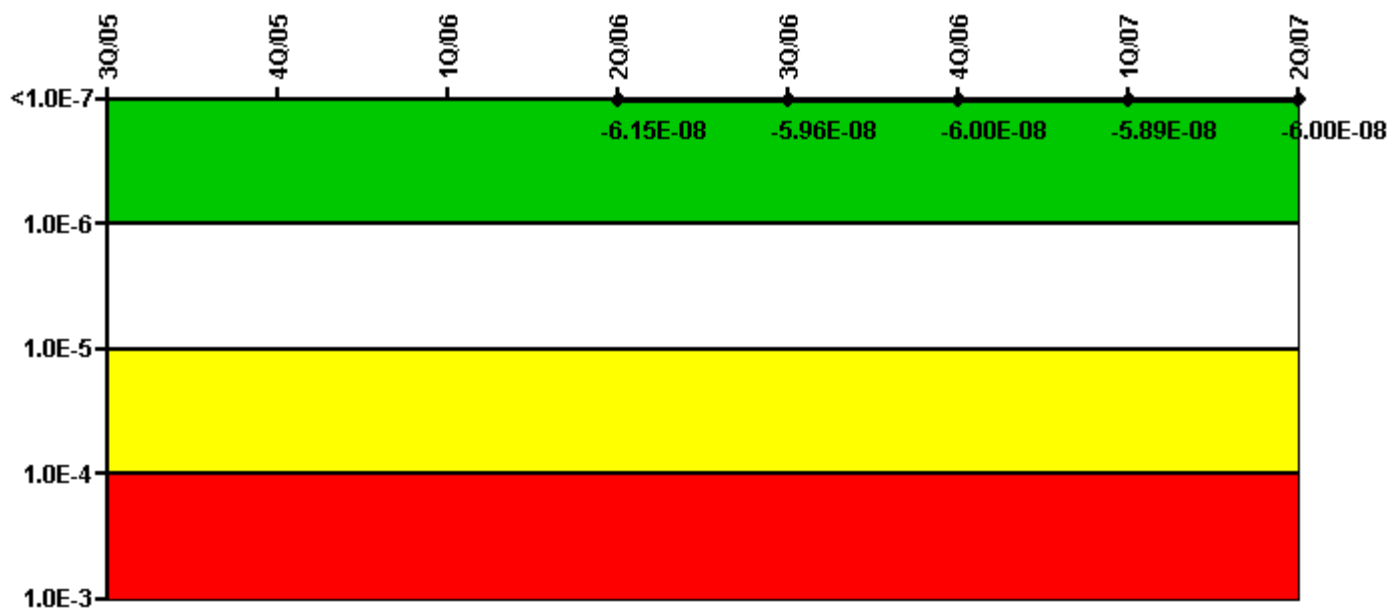
Notes

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 (ΔCDF)				1.10E-07	7.90E-08	5.60E-08	4.90E-08	5.80E-08
URI (ΔCDF)				1.00E-06	6.50E-07	6.50E-07	1.20E-06	1.20E-06
PLE				NO	NO	NO	NO	NO
Indicator value				1.11E-06	7.29E-07	7.06E-07	1.25E-06	1.26E-06

Licensee Comments:

2Q/07: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



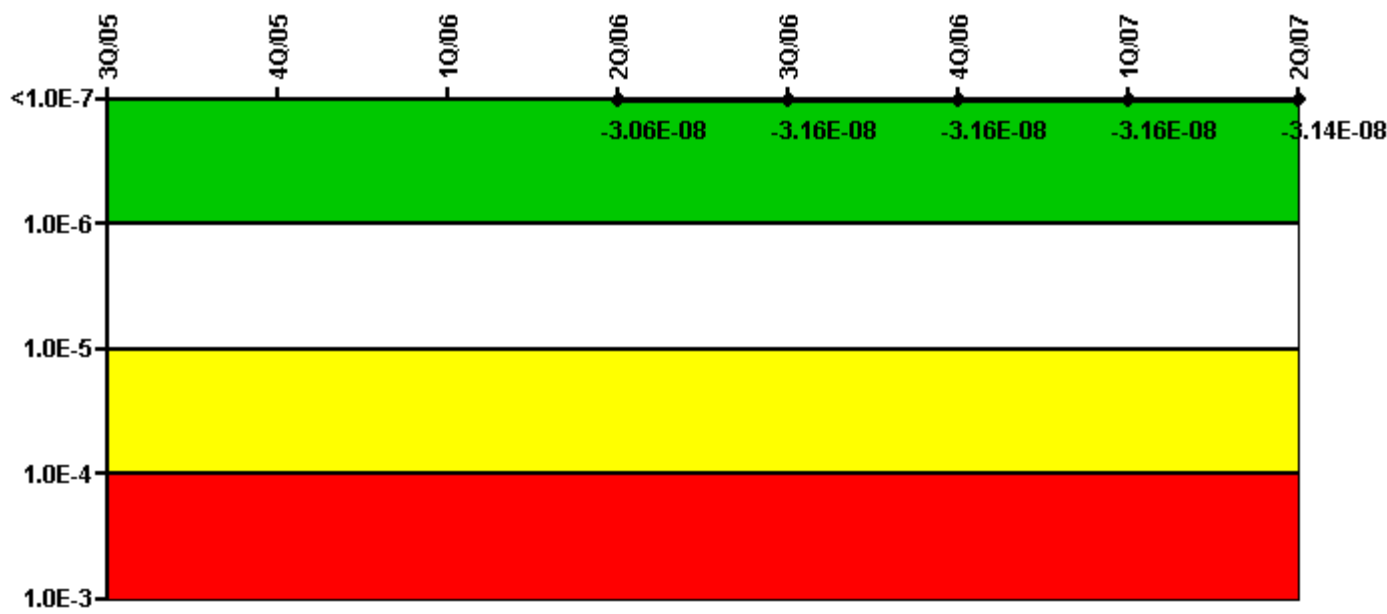
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-3.50E-09	-3.60E-09	-4.00E-09	-2.90E-09	-4.00E-09
URI (ΔCDF)				-5.80E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-6.15E-08	-5.96E-08	-6.00E-08	-5.89E-08	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



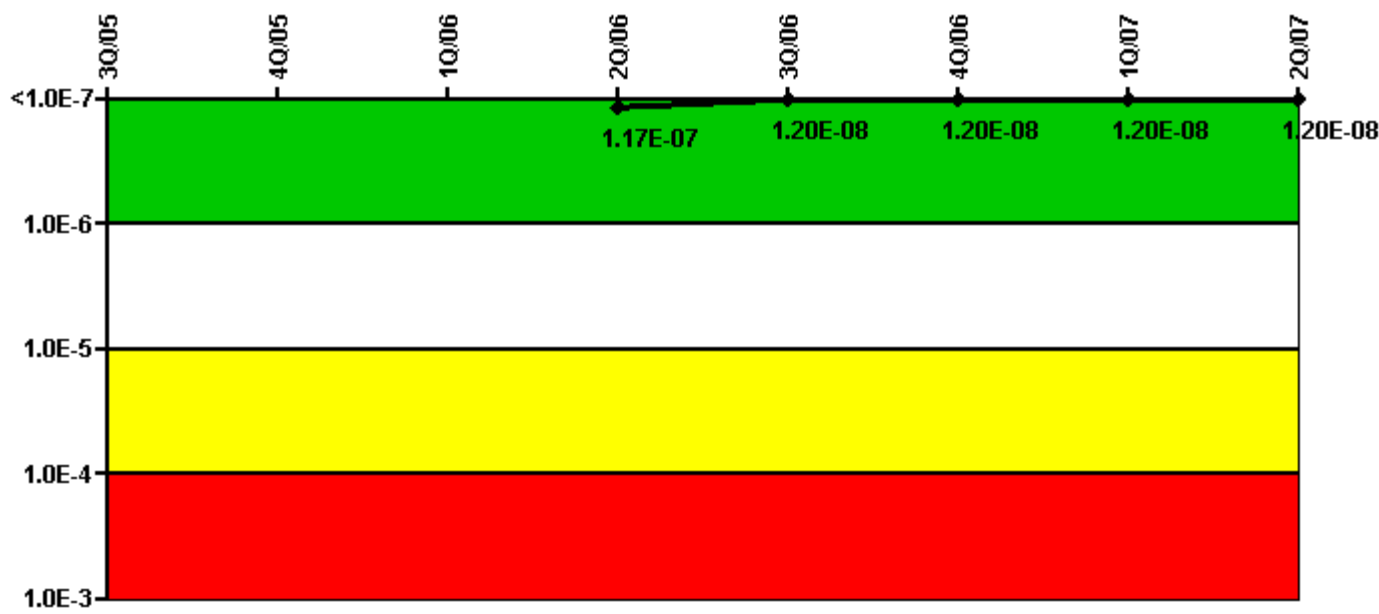
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.40E-09
URI (ΔCDF)				-2.70E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-3.06E-08	-3.16E-08	-3.16E-08	-3.16E-08	-3.14E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



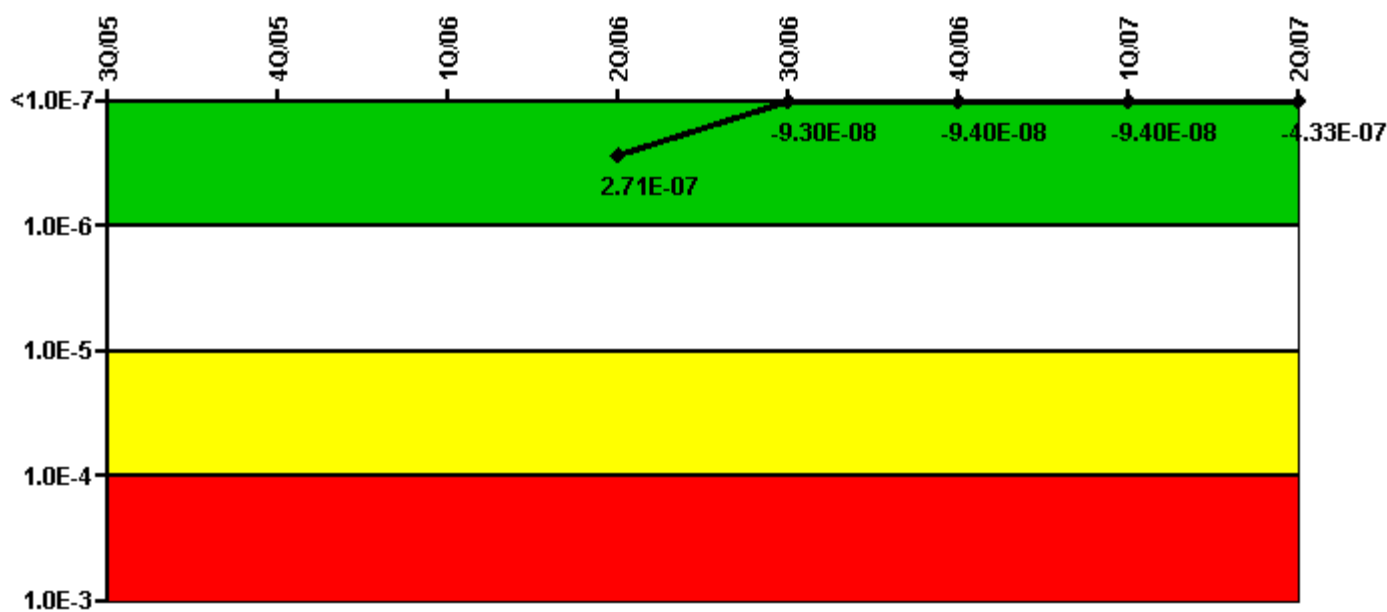
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)				-6.30E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08
URI (ΔCDF)				1.80E-07	8.30E-08	8.30E-08	8.30E-08	8.30E-08
PLE				NO	NO	NO	NO	NO
Indicator value				1.17E-07	1.20E-08	1.20E-08	1.20E-08	1.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



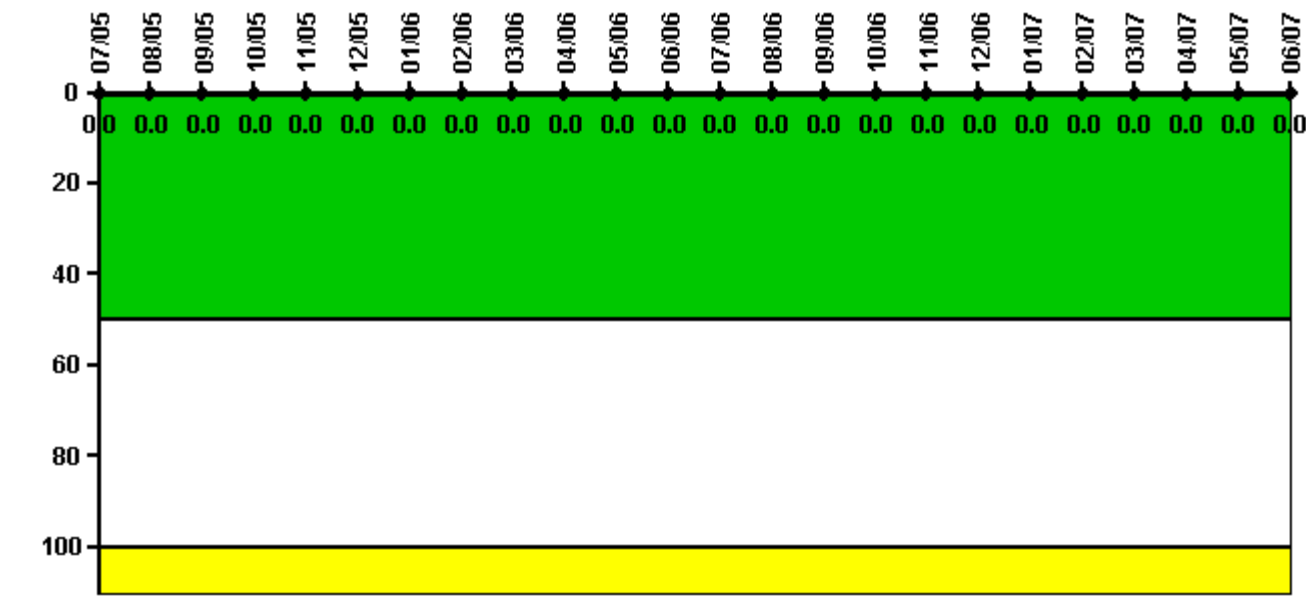
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				1.10E-08	-5.70E-08	-5.80E-08	-5.80E-08	-8.30E-08
URI (ΔCDF)				2.60E-07	-3.60E-08	-3.60E-08	-3.60E-08	-3.50E-07
PLE				NO	NO	NO	NO	NO
Indicator value				2.71E-07	-9.30E-08	-9.40E-08	-9.40E-08	-4.33E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

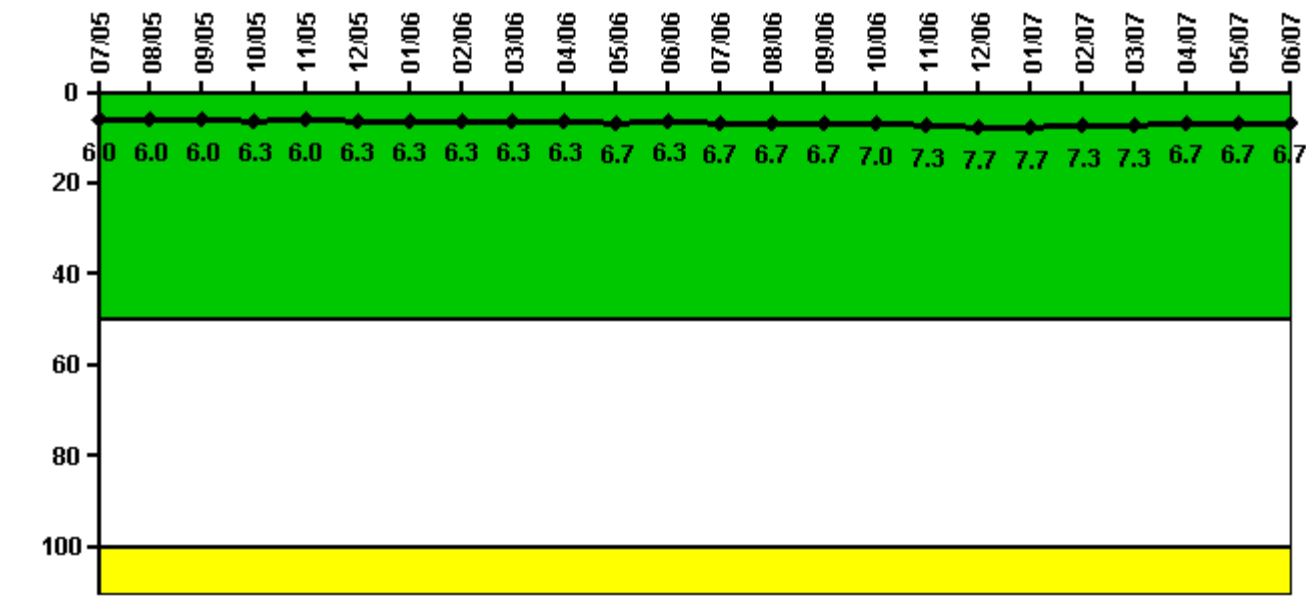
Notes

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	0.000029	0.000036	0.000054	0.000034	0.000032	0.000035	0.000048	0.000035	0.000046	0.000042	0.000045	0.000034
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000037	0.000044	0.000043	0.000048	0.000035	0.000043	0.000047	0.000043	0.000046	0.000009	0.000016	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

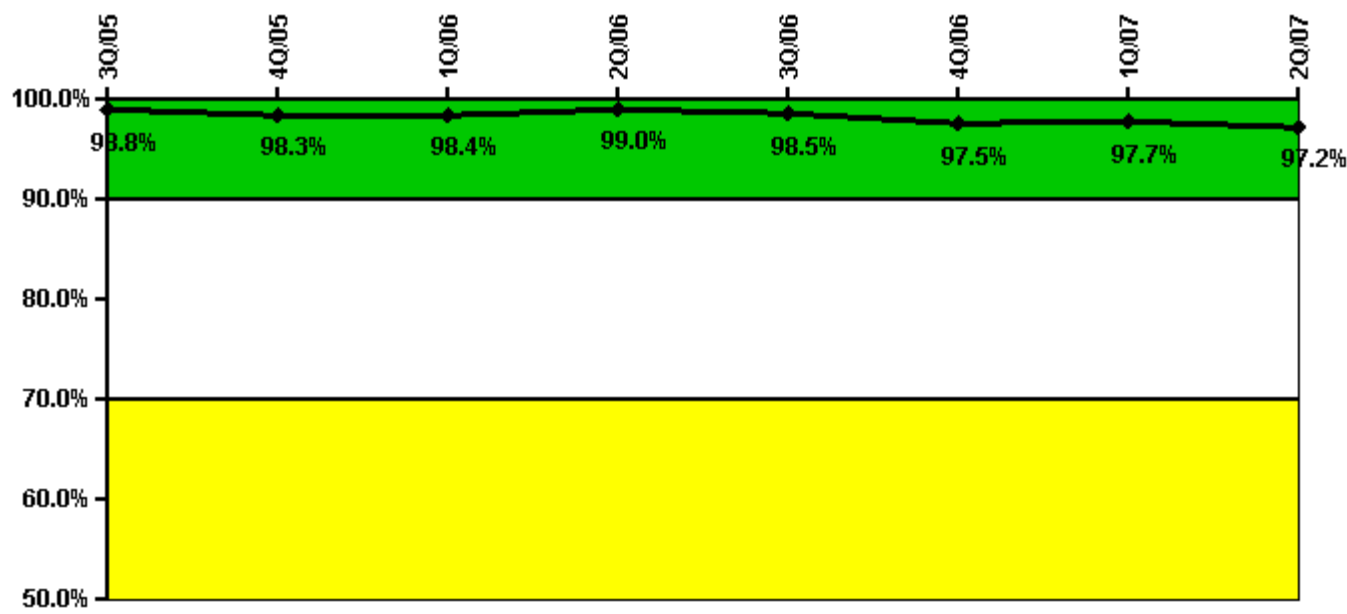
Notes

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	1.800	1.800	1.800	1.900	1.800	1.900	1.900	1.900	1.900	1.900	2.000	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.7	6.3

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	2.000	2.000	2.000	2.100	2.200	2.300	2.300	2.200	2.200	2.000	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.7	6.7	7.0	7.3	7.7	7.7	7.3	7.3	6.7	6.7	6.7

Licensee Comments: none

Drill/Exercise Performance



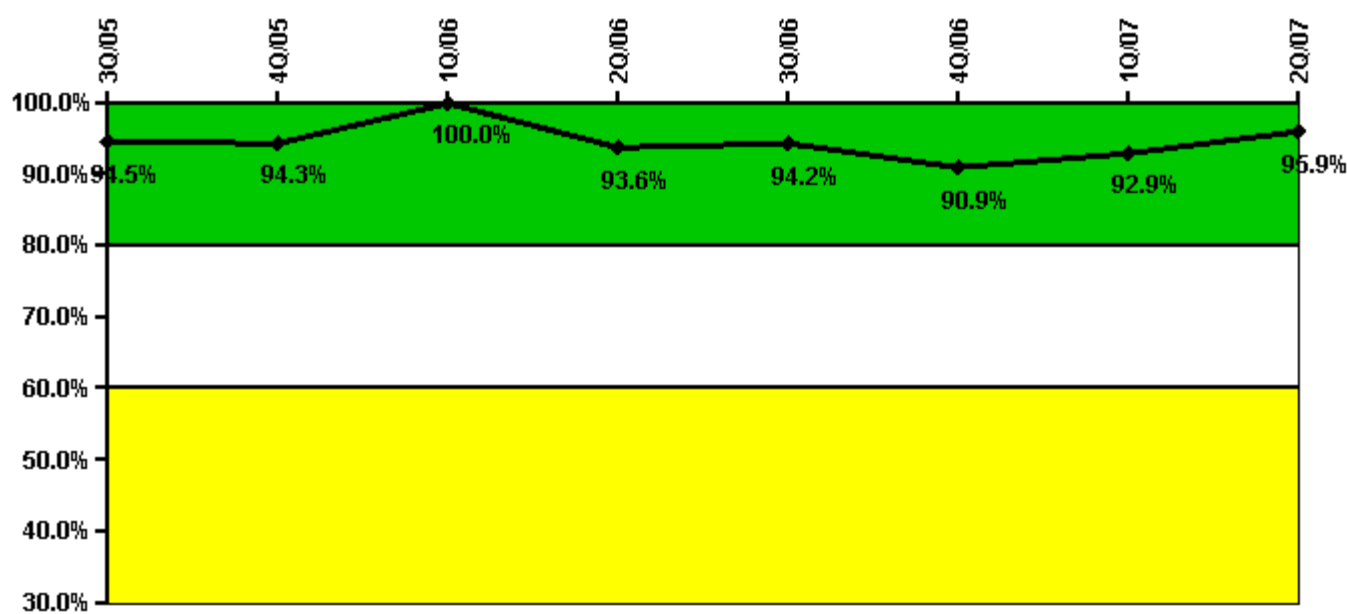
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	10.0	43.0	26.0	22.0	24.0	54.0	10.0	19.0
Total opportunities	10.0	44.0	26.0	22.0	26.0	56.0	10.0	20.0
Indicator value	98.8%	98.3%	98.4%	99.0%	98.5%	97.5%	97.7%	97.2%

Licensee Comments: none

ERO Drill Participation



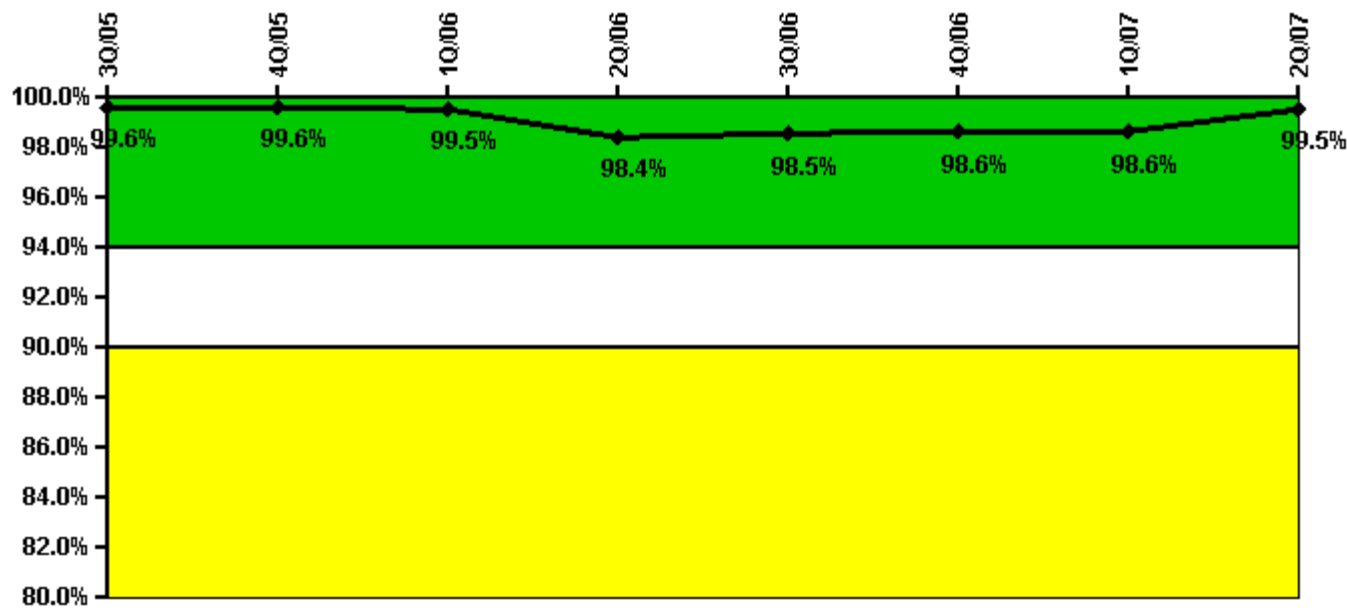
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	121.0	133.0	166.0	162.0	162.0	149.0	157.0	162.0
Total Key personnel	128.0	141.0	166.0	173.0	172.0	164.0	169.0	169.0
Indicator value	94.5%	94.3%	100.0%	93.6%	94.2%	90.9%	92.9%	95.9%

Licensee Comments: none

Alert & Notification System



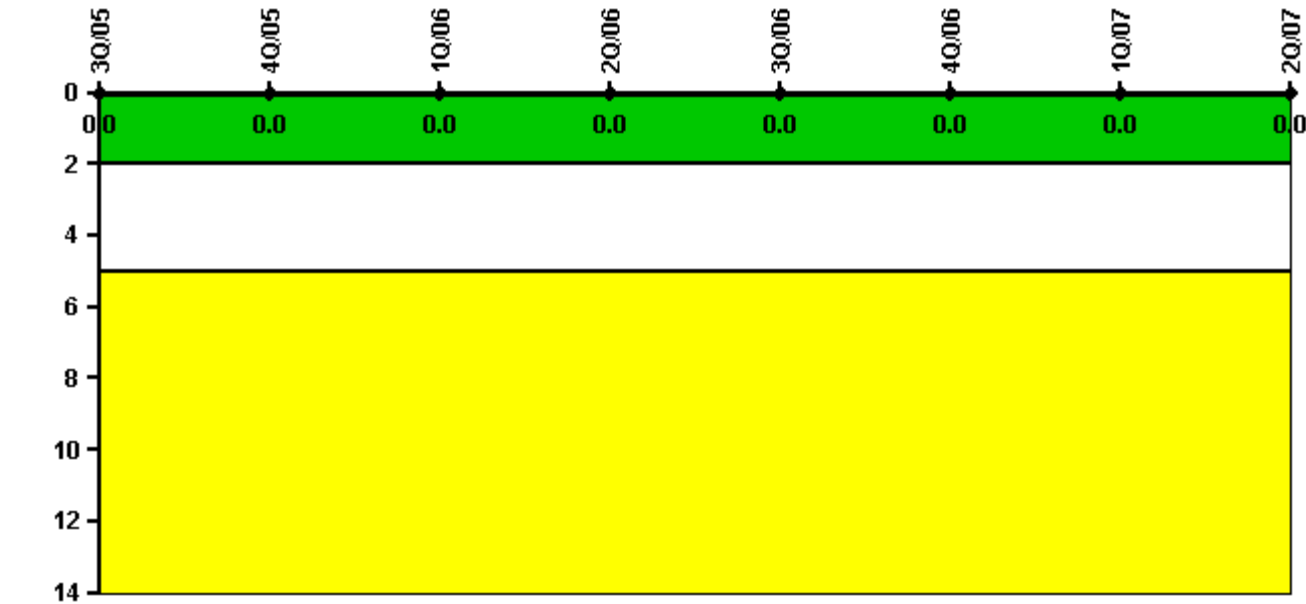
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	528	529	529	508	531	531	528	527
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.6%	99.6%	99.5%	98.4%	98.5%	98.6%	98.6%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



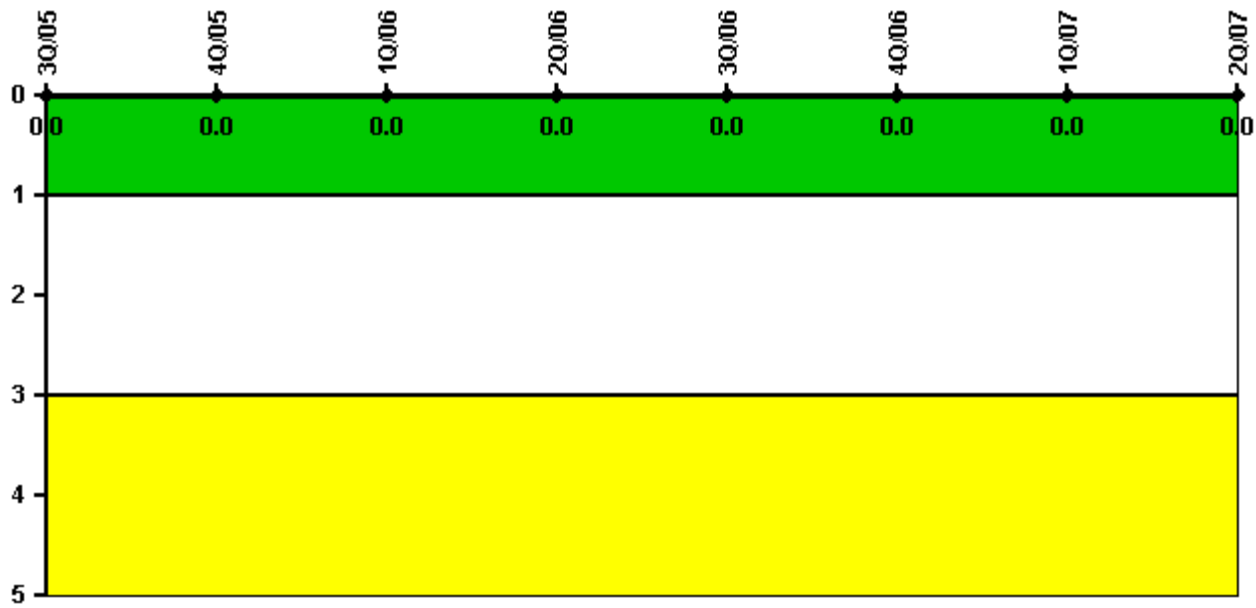
Thresholds: White > 2.0 Yellow > 5.0

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	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/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](#)

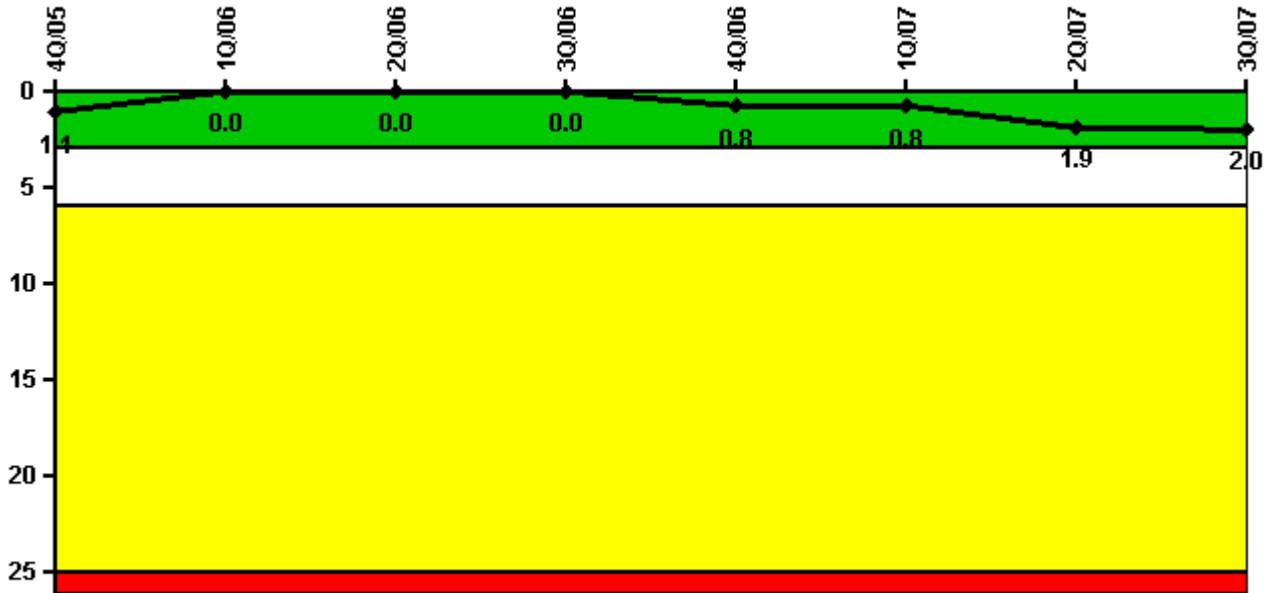
Last Modified: August 6, 2007

Perry 1

3Q/2007 Performance Indicators

Licensee's General Comments: SCRAMS w/ Complications: This is a new indicator. No SCRAMS occurred that meet this indicator reporting Requirement. Two events that occurred in June 2006 are being reviewed by the licensee.

Unplanned Scrams per 7000 Critical Hrs



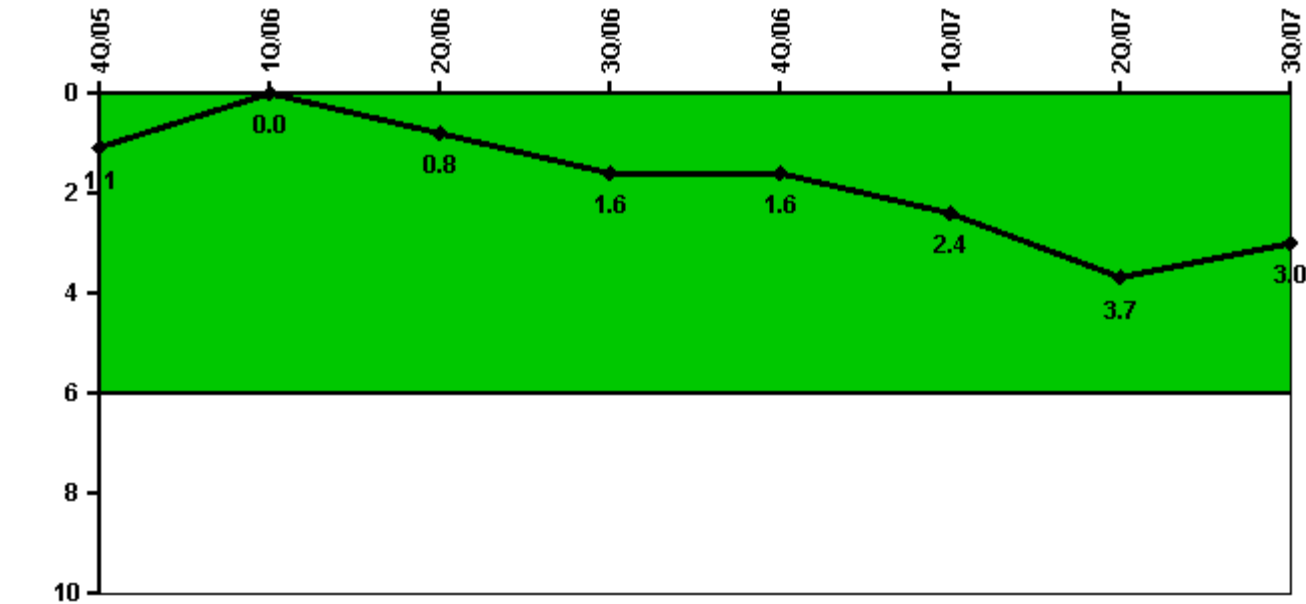
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	2080.3	2159.0	1106.2	1659.2
Indicator value	1.1	0	0	0	0.8	0.8	1.9	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



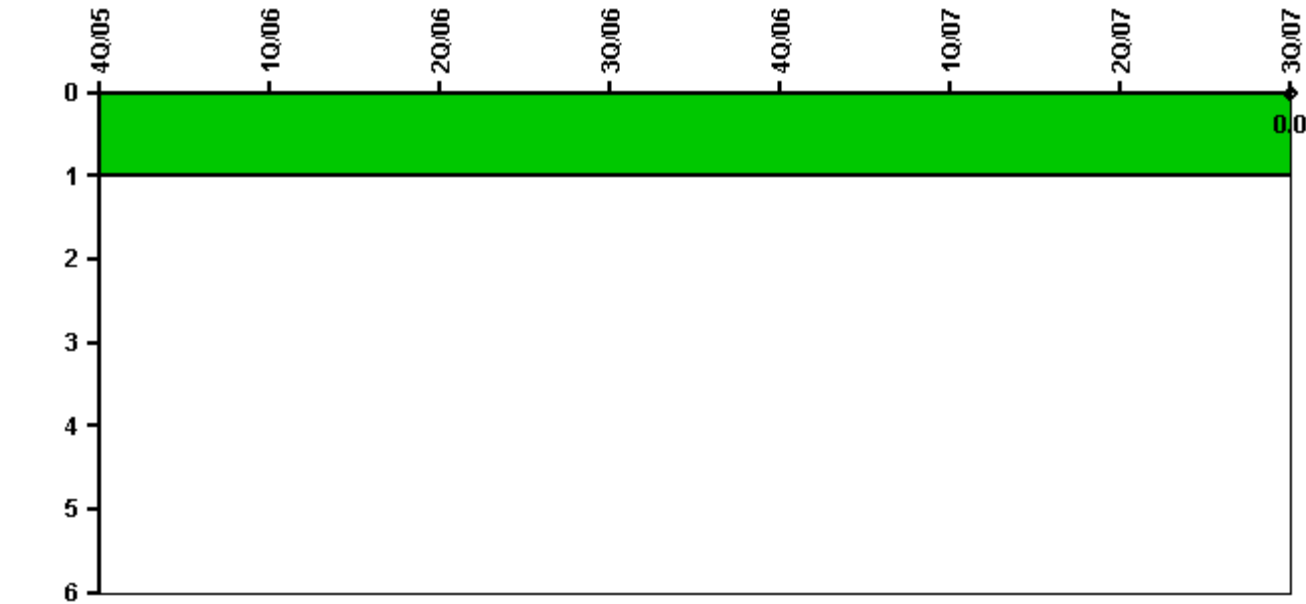
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	1.0	1.0	0	1.0	2.0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	2080.3	2159.0	1106.2	1659.2
Indicator value	1.1	0	0.8	1.6	1.6	2.4	3.7	3.0

Licensee Comments: none

Unplanned Scrams with Complications



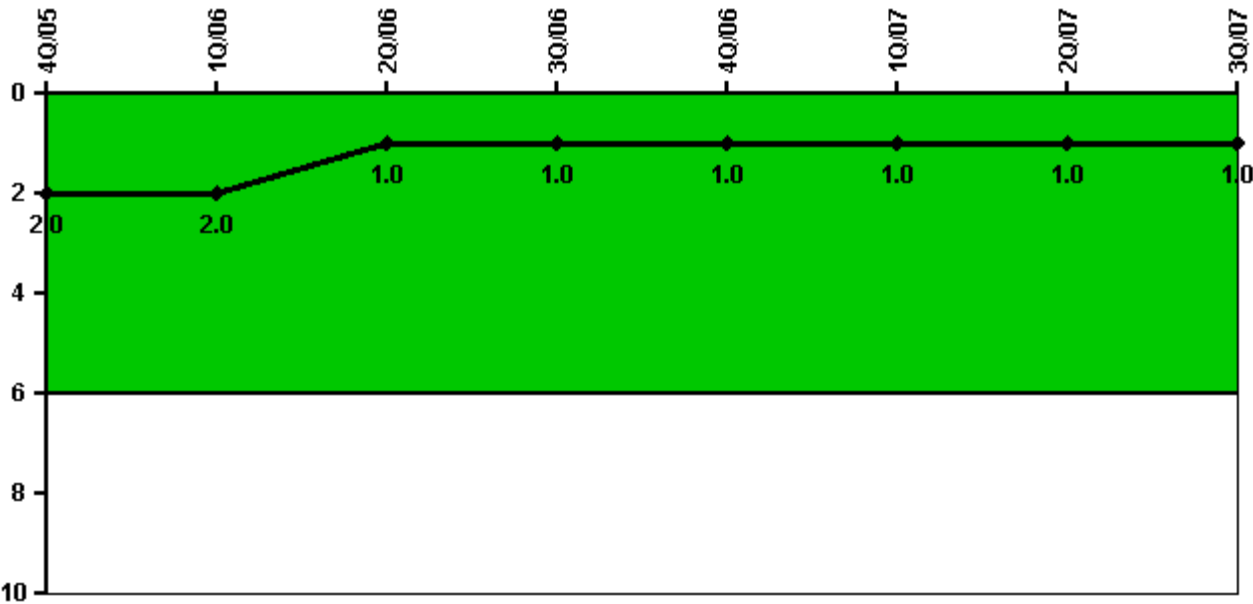
Thresholds: White > 1.0

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: none

Safety System Functional Failures (BWR)



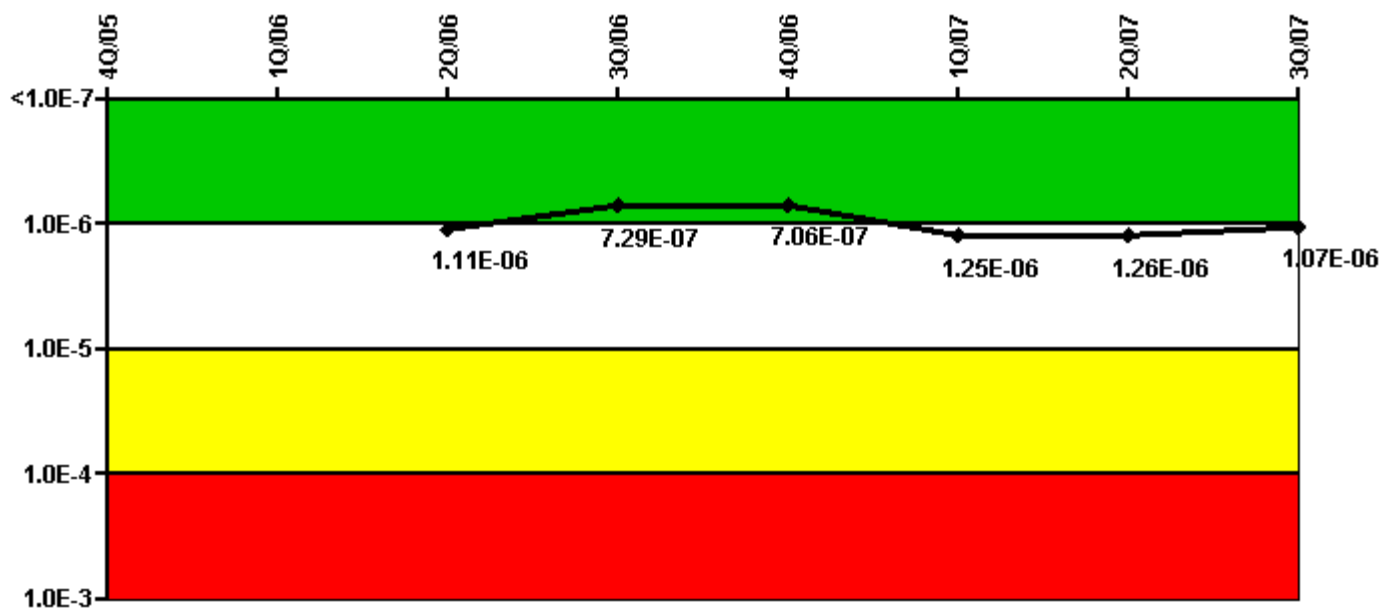
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

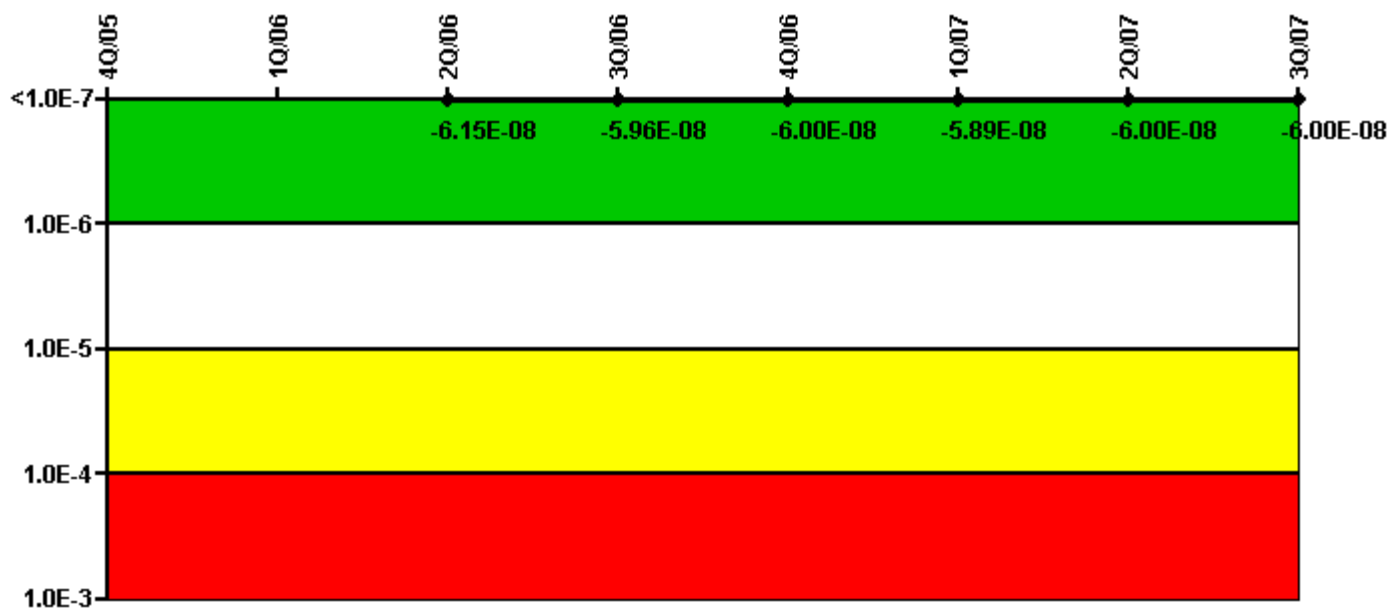
Notes

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 (ΔCDF)			1.10E-07	7.90E-08	5.60E-08	4.90E-08	5.80E-08	7.00E-08
URI (ΔCDF)			1.00E-06	6.50E-07	6.50E-07	1.20E-06	1.20E-06	1.00E-06
PLE			NO	NO	NO	NO	NO	NO
Indicator value			1.11E-06	7.29E-07	7.06E-07	1.25E-06	1.26E-06	1.07E-06

Licensee Comments:

3Q/07: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



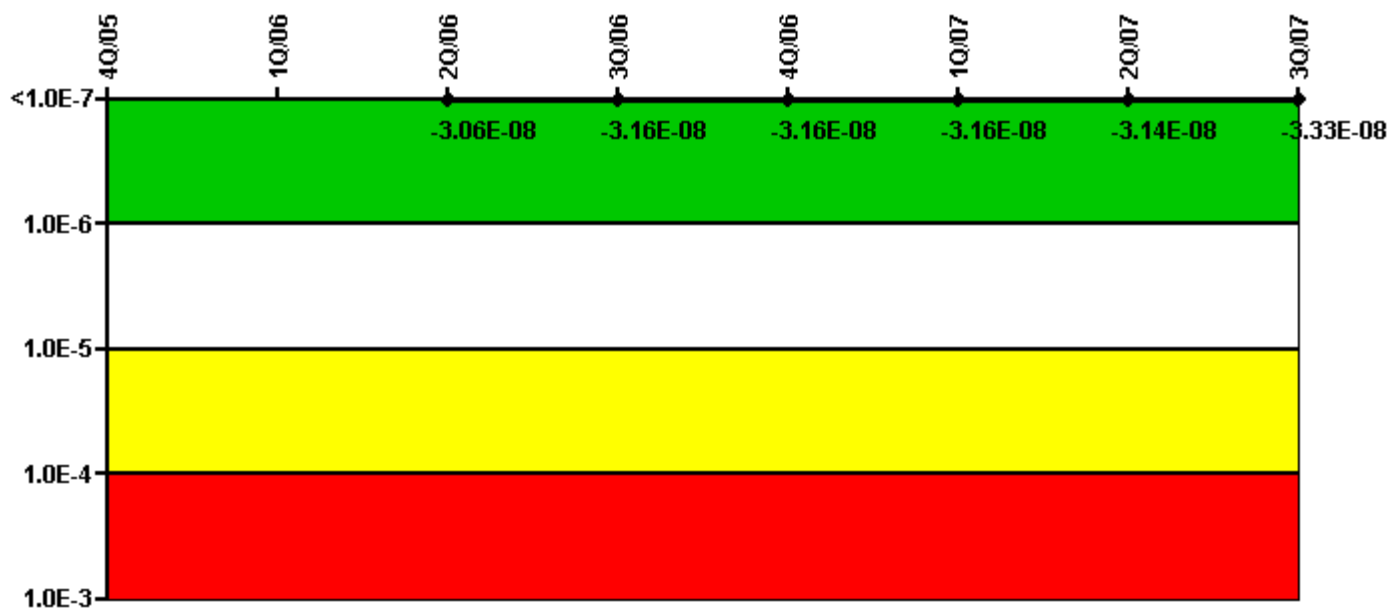
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-3.50E-09	-3.60E-09	-4.00E-09	-2.90E-09	-4.00E-09	-4.00E-09
URI (ΔCDF)			-5.80E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-6.15E-08	-5.96E-08	-6.00E-08	-5.89E-08	-6.00E-08	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



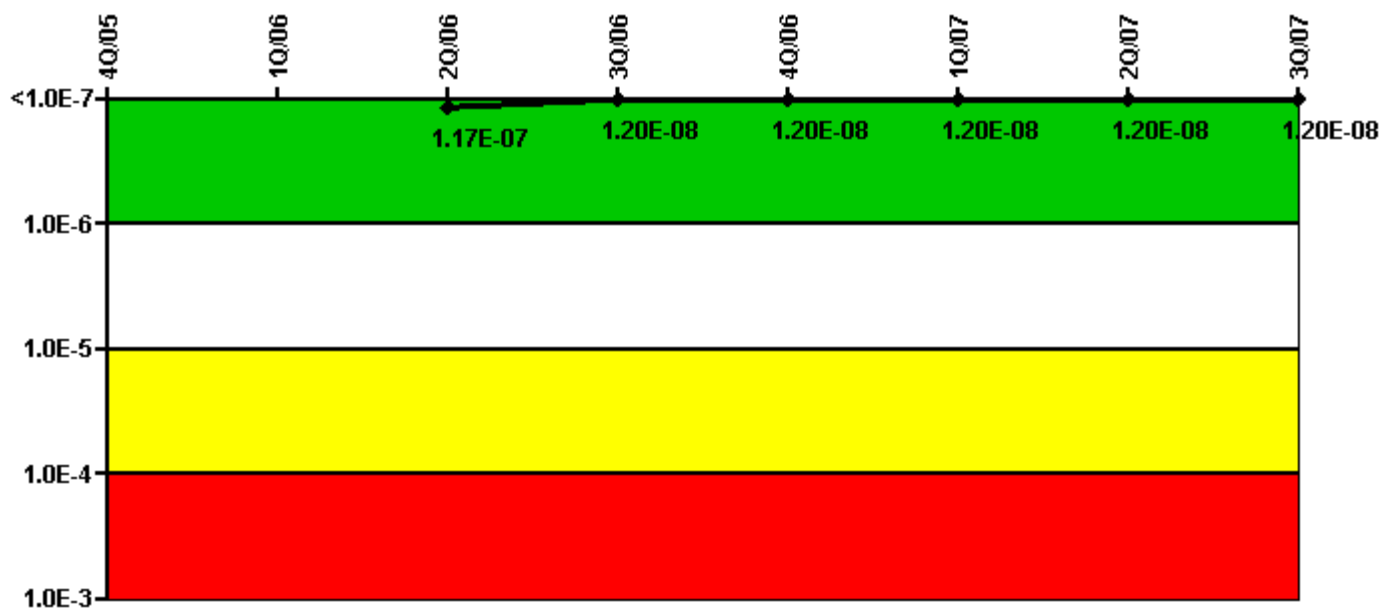
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.40E-09	-5.30E-09
URI (ΔCDF)			-2.70E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-3.06E-08	-3.16E-08	-3.16E-08	-3.16E-08	-3.14E-08	-3.33E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



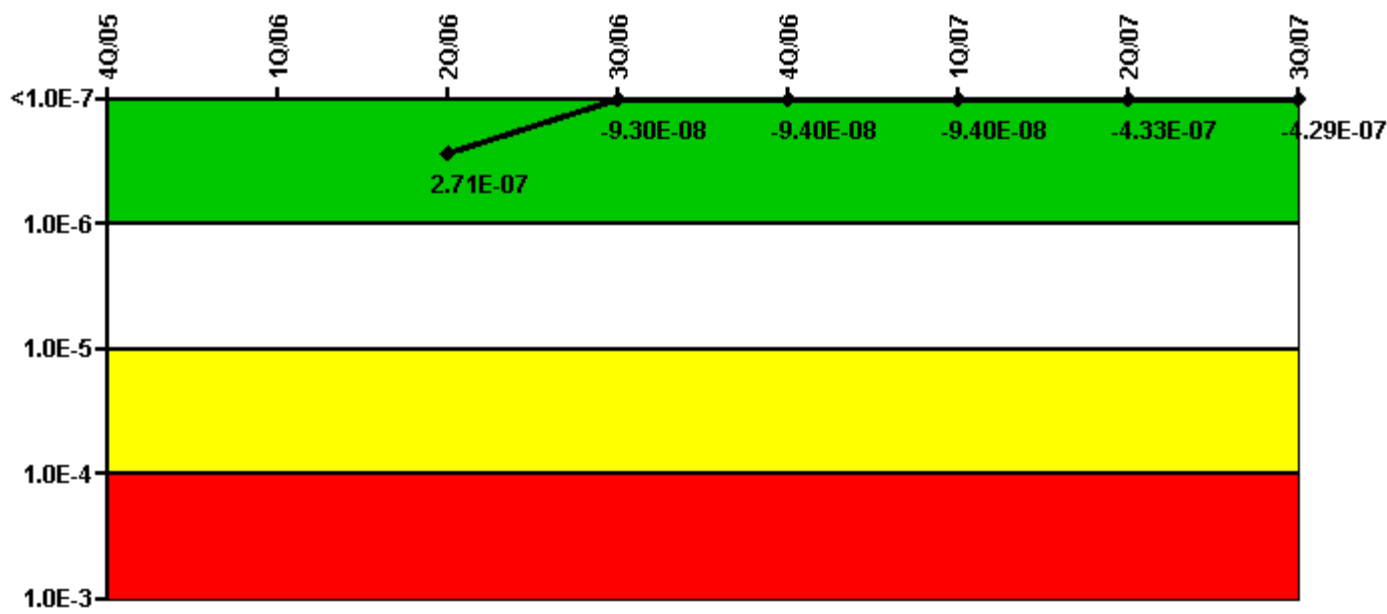
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ACDF)			-6.30E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08
URI (ACDF)			1.80E-07	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			1.17E-07	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



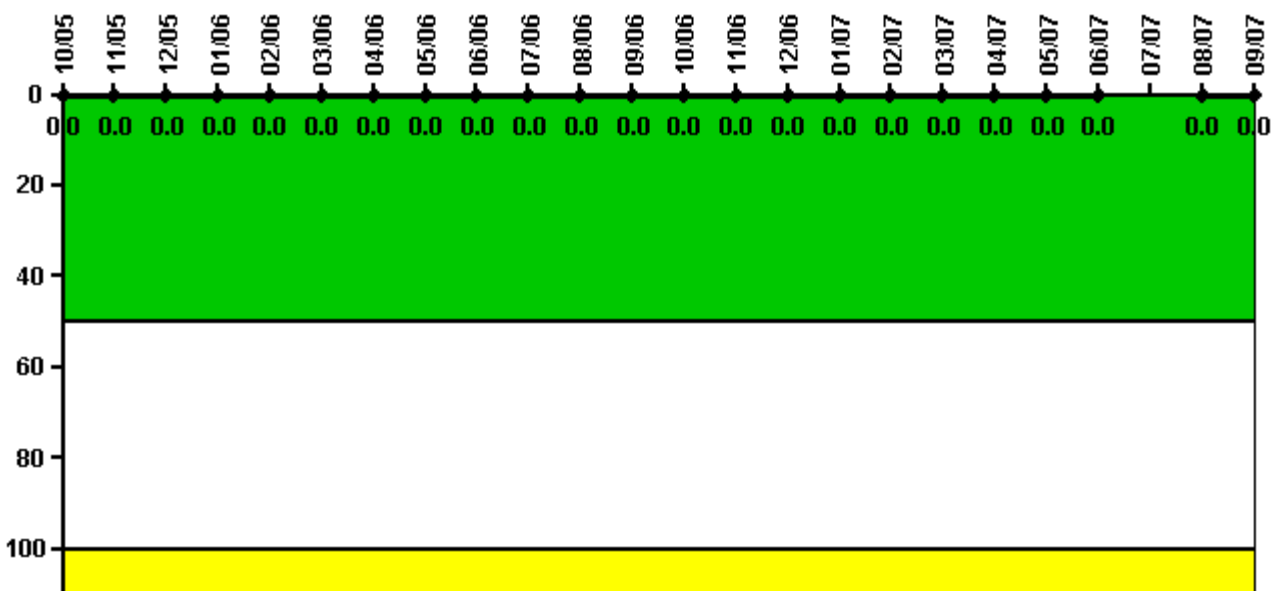
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			1.10E-08	-5.70E-08	-5.80E-08	-5.80E-08	-8.30E-08	-7.90E-08
URI (ΔCDF)			2.60E-07	-3.60E-08	-3.60E-08	-3.60E-08	-3.50E-07	-3.50E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			2.71E-07	-9.30E-08	-9.40E-08	-9.40E-08	-4.33E-07	-4.29E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

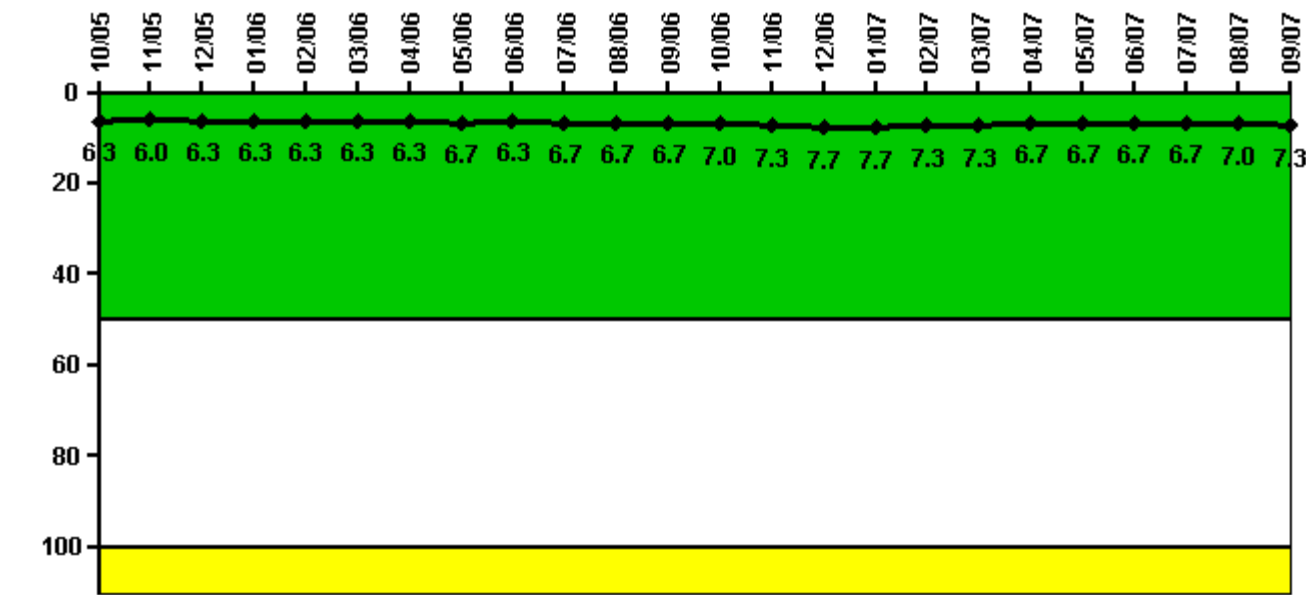
Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.000034	0.000032	0.000035	0.000048	0.000035	0.000046	0.000042	0.000045	0.000034	0.000037	0.000044	0.000043
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	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	0.000048	0.000035	0.000041	0.000047	0.000043	0.000046	0.000009	0.000016	0.000018	N/A	0.000014	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	N/A	0	0

Licensee Comments:

12/06: December 2006 value modified to remove data from two non-equilibrium samples. This resulted in a small decrease in the reported value.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

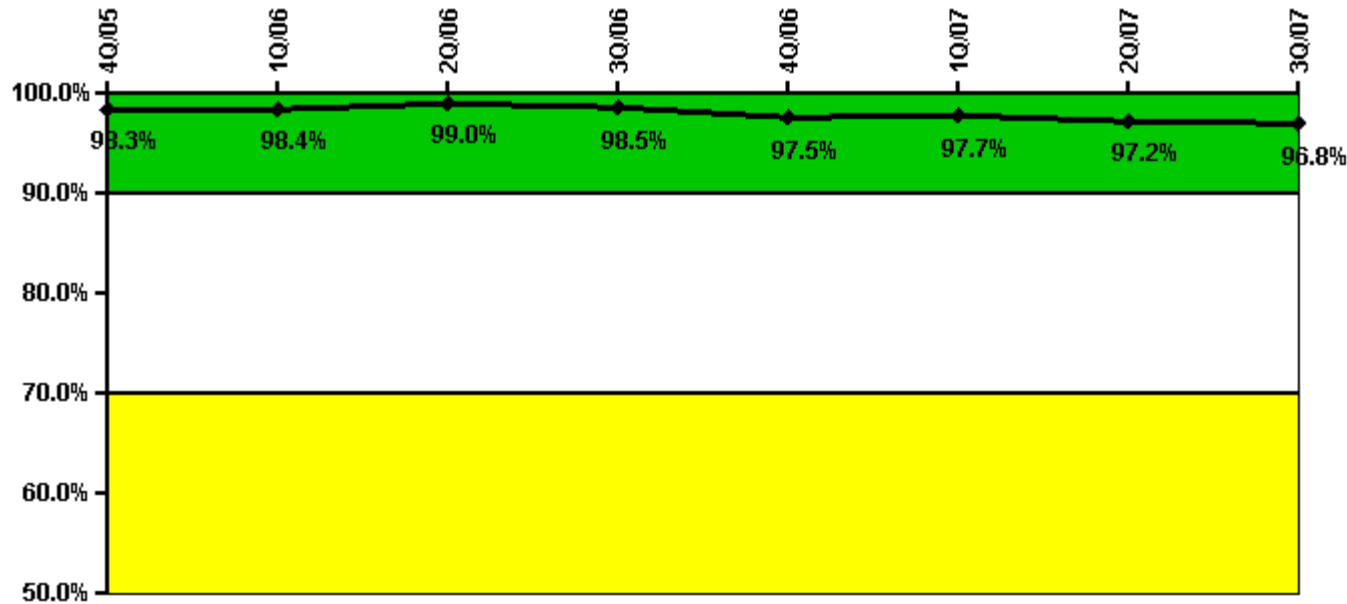
Notes

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	1.900	1.800	1.900	1.900	1.900	1.900	1.900	2.000	1.900	2.000	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.7	6.3	6.7	6.7	6.7

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	2.100	2.200	2.300	2.300	2.200	2.200	2.000	2.000	2.000	2.000	2.100	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	7.3	7.7	7.7	7.3	7.3	6.7	6.7	6.7	6.7	7.0	7.3

Licensee Comments: none

Drill/Exercise Performance



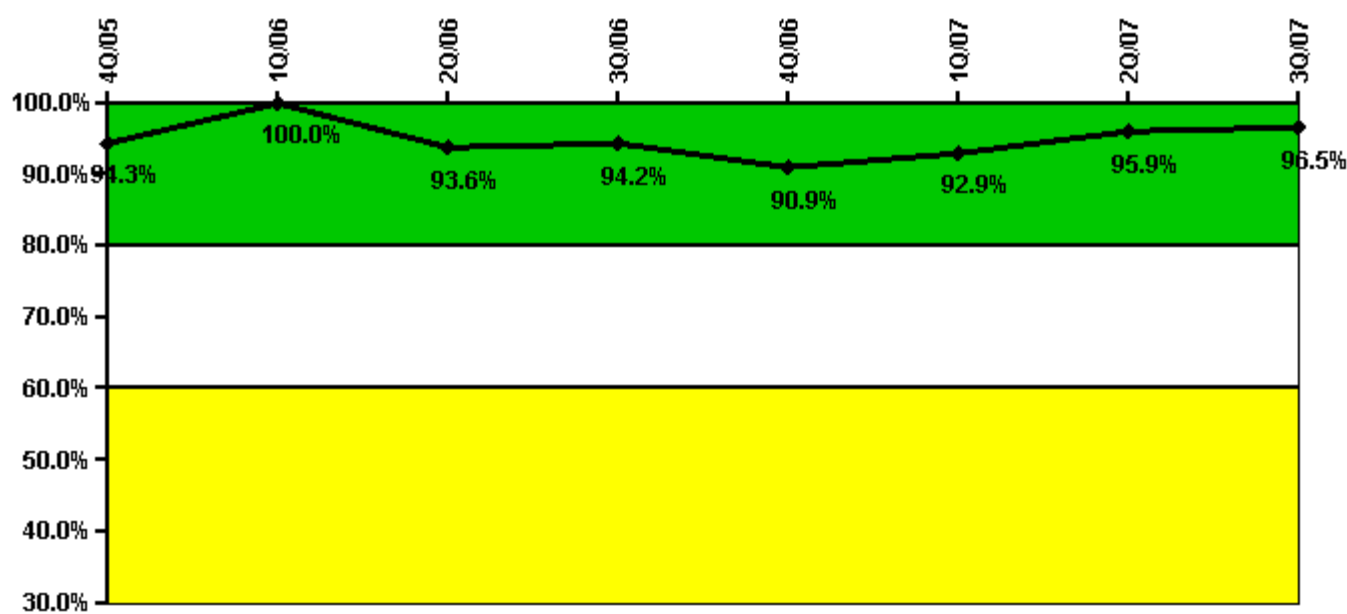
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	43.0	26.0	22.0	24.0	54.0	10.0	19.0	11.0
Total opportunities	44.0	26.0	22.0	26.0	56.0	10.0	20.0	12.0
Indicator value	98.3%	98.4%	99.0%	98.5%	97.5%	97.7%	97.2%	96.8%

Licensee Comments: none

ERO Drill Participation



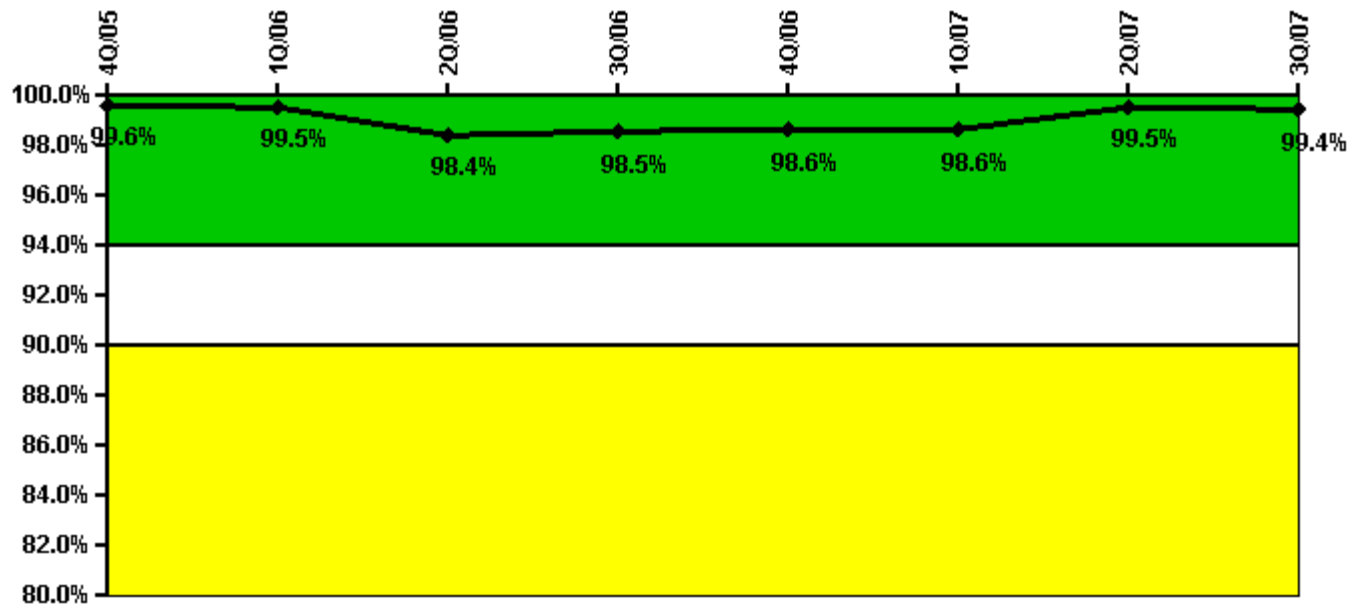
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	133.0	166.0	162.0	162.0	149.0	157.0	162.0	166.0
Total Key personnel	141.0	166.0	173.0	172.0	164.0	169.0	169.0	172.0
Indicator value	94.3%	100.0%	93.6%	94.2%	90.9%	92.9%	95.9%	96.5%

Licensee Comments: none

Alert & Notification System



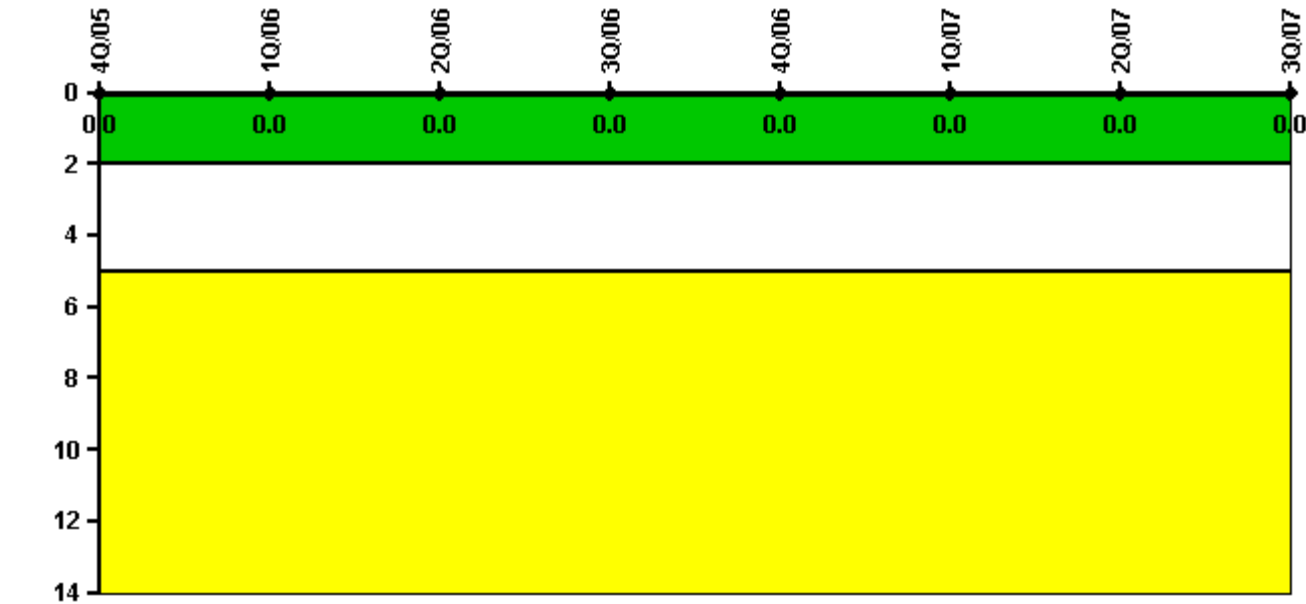
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	529	529	508	531	531	528	527	529
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.6%	99.5%	98.4%	98.5%	98.6%	98.6%	99.5%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



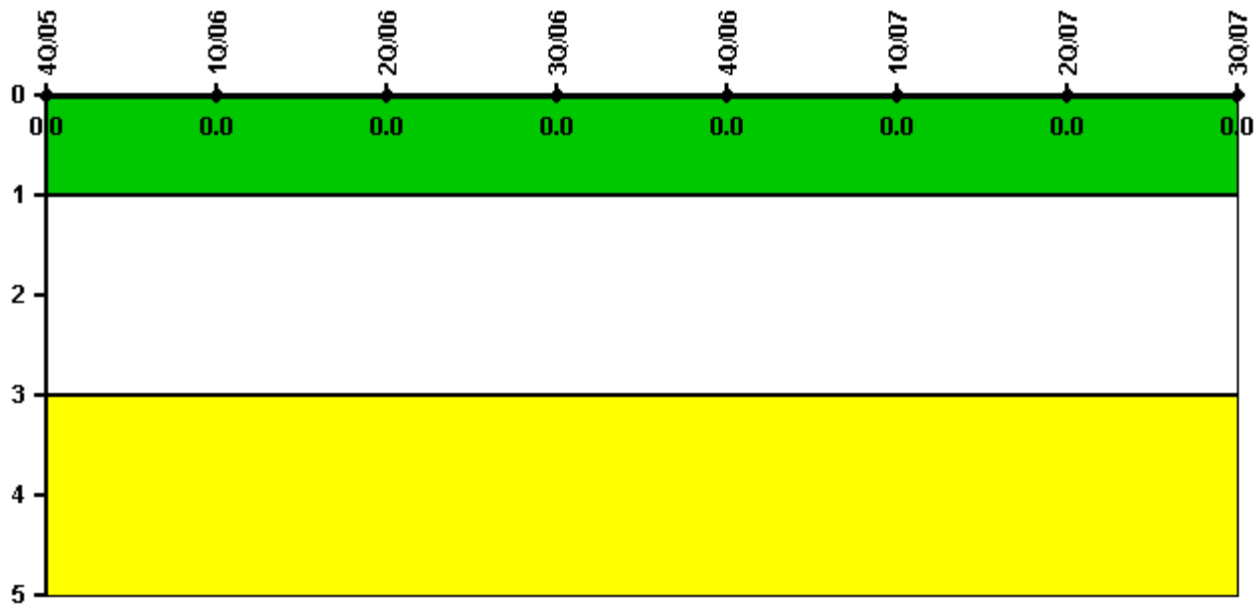
Thresholds: White > 2.0 Yellow > 5.0

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	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/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](#)

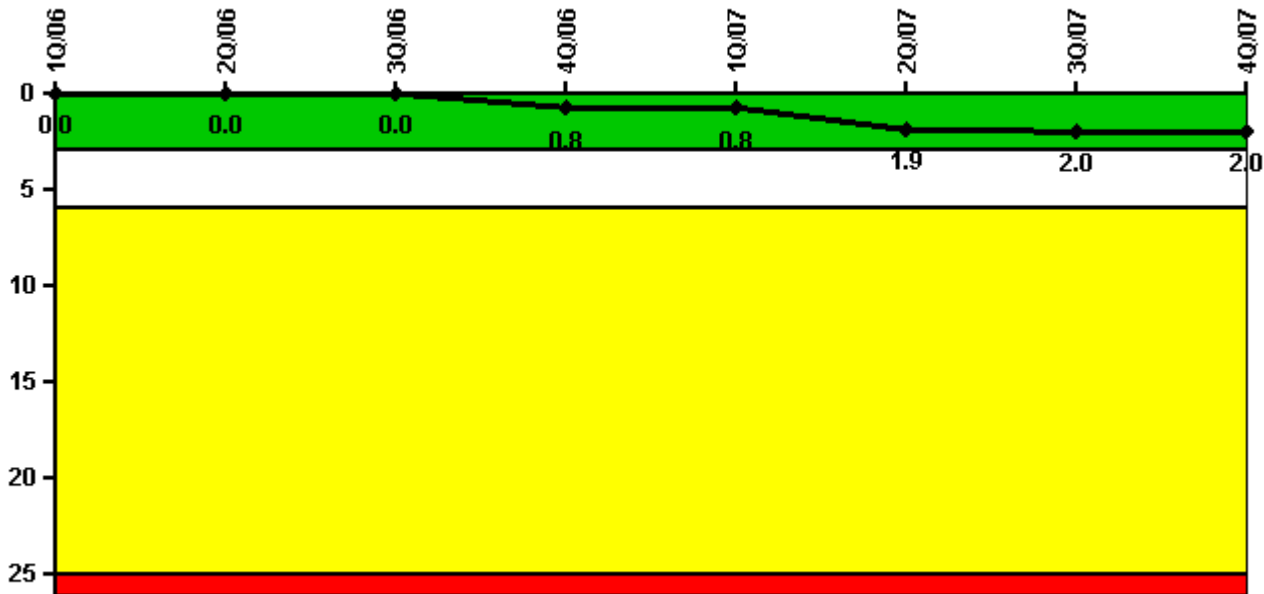
Last Modified: December 7, 2007

Perry 1

4Q/2007 Performance Indicators

Licensee's General Comments: IE03- An unplanned power change was re-evaluated and added for June, 2007. Perry FAQ 75 documents a planned scram of greater than 20 percent power in which the planning was not 72 hours in advance. The indicator color is green and is not changed by this correction. OR0- 2Q2007-An occurrence in May, 2007, was re-evaluated to be a High Radiation Area occurrence. An investigative radiological survey determined an area dose rate was higher than expected. The indicator color is green and is not changed by this correction.

Unplanned Scrams per 7000 Critical Hrs



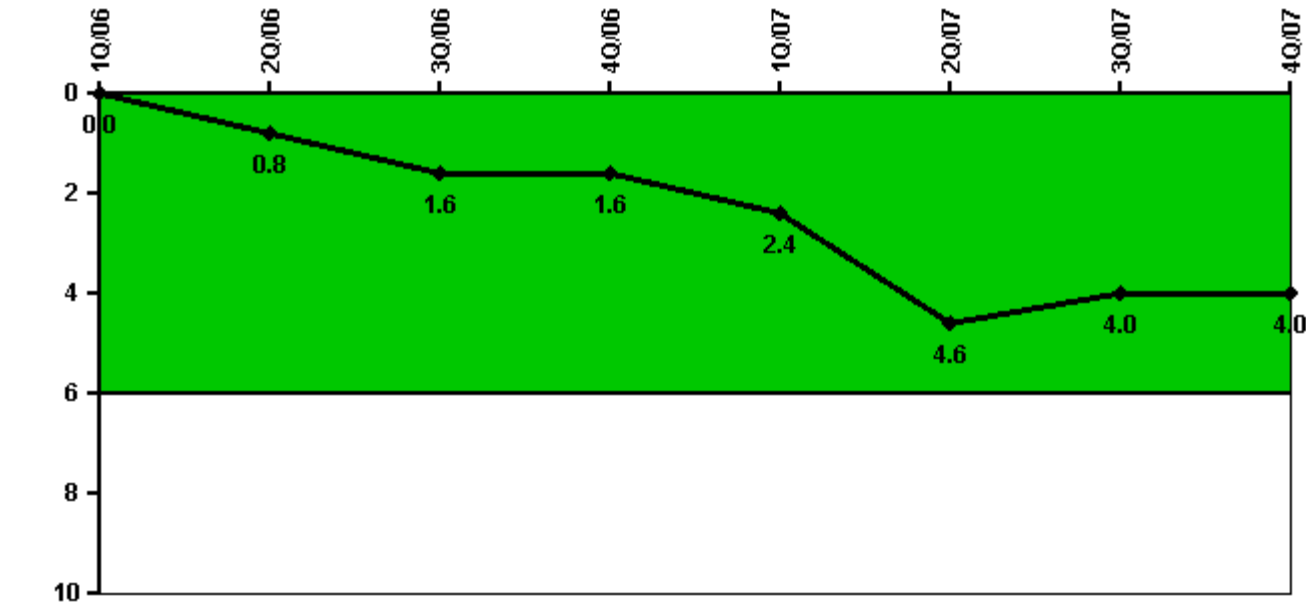
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0	1.0
Critical hours	2160.0	2183.0	2208.0	2080.3	2159.0	1106.2	1659.2	2000.8
Indicator value	0	0	0	0.8	0.8	1.9	2.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



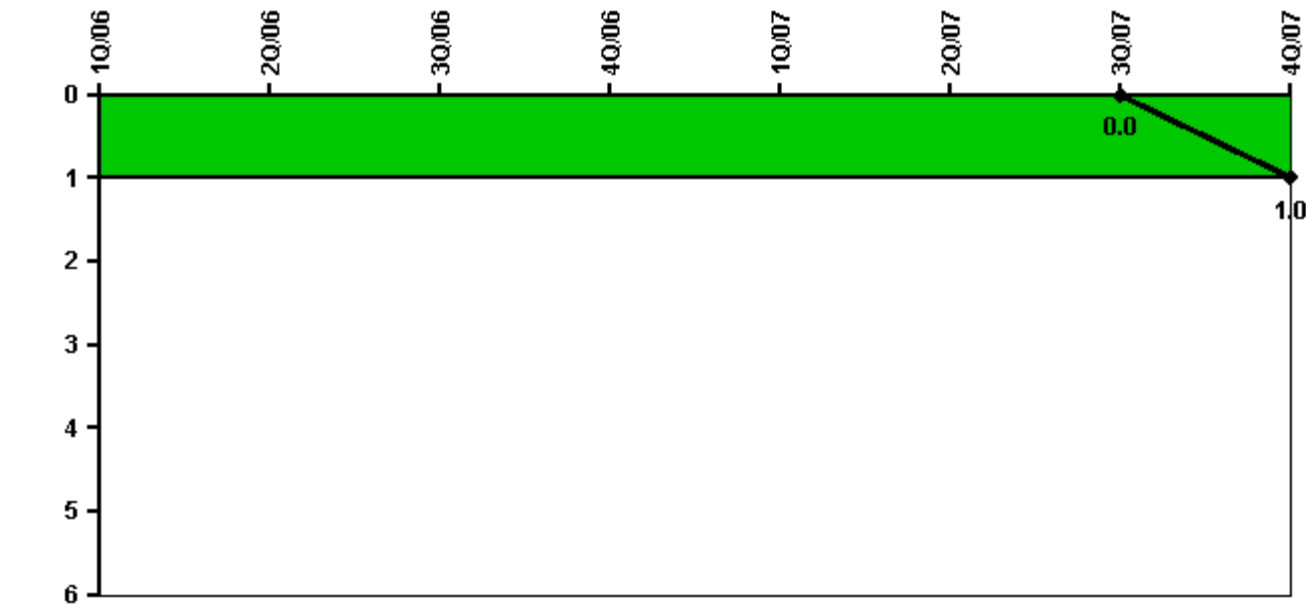
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	1.0	1.0	0	1.0	3.0	0	0
Critical hours	2160.0	2183.0	2208.0	2080.3	2159.0	1106.2	1659.2	2000.8
Indicator value	0	0.8	1.6	1.6	2.4	4.6	4.0	4.0

Licensee Comments: none

Unplanned Scrams with Complications



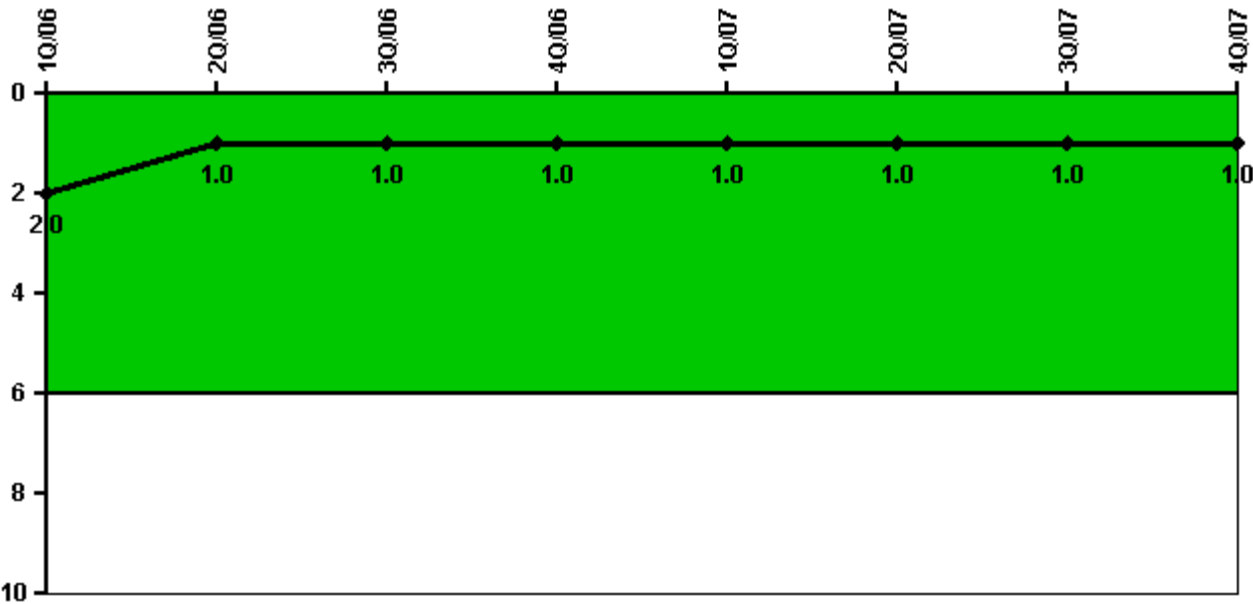
Thresholds: White > 1.0

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	1.0
Indicator value							0.0	1.0

Licensee Comments: none

Safety System Functional Failures (BWR)



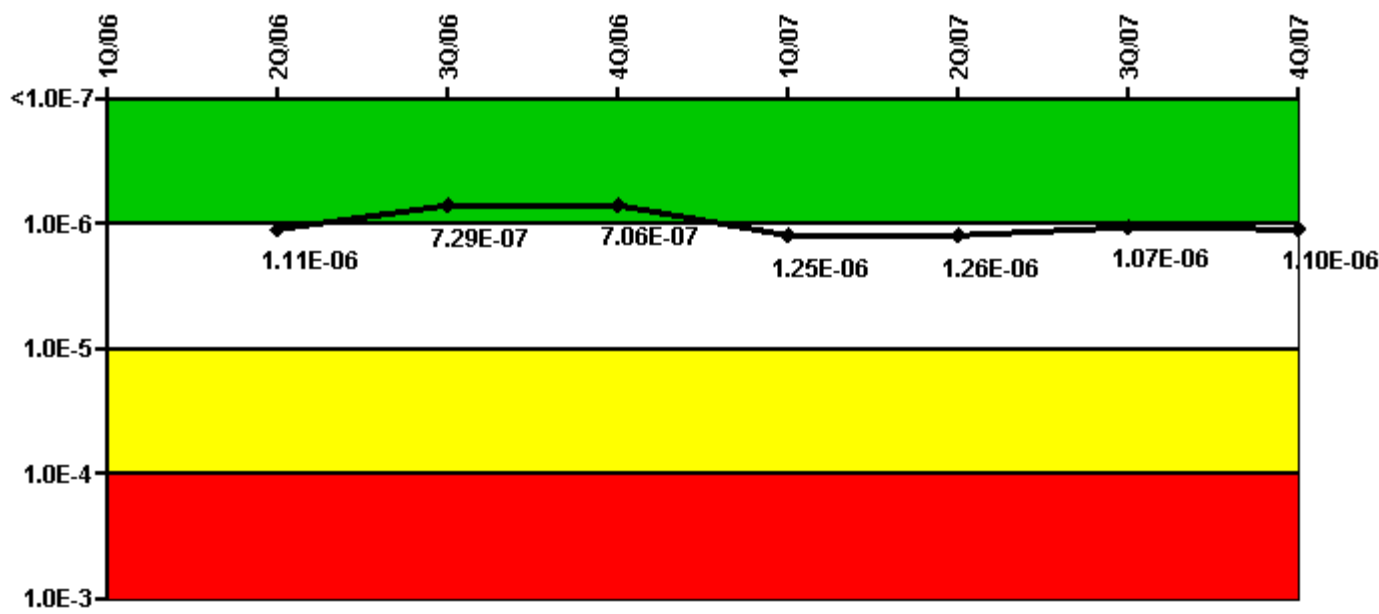
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

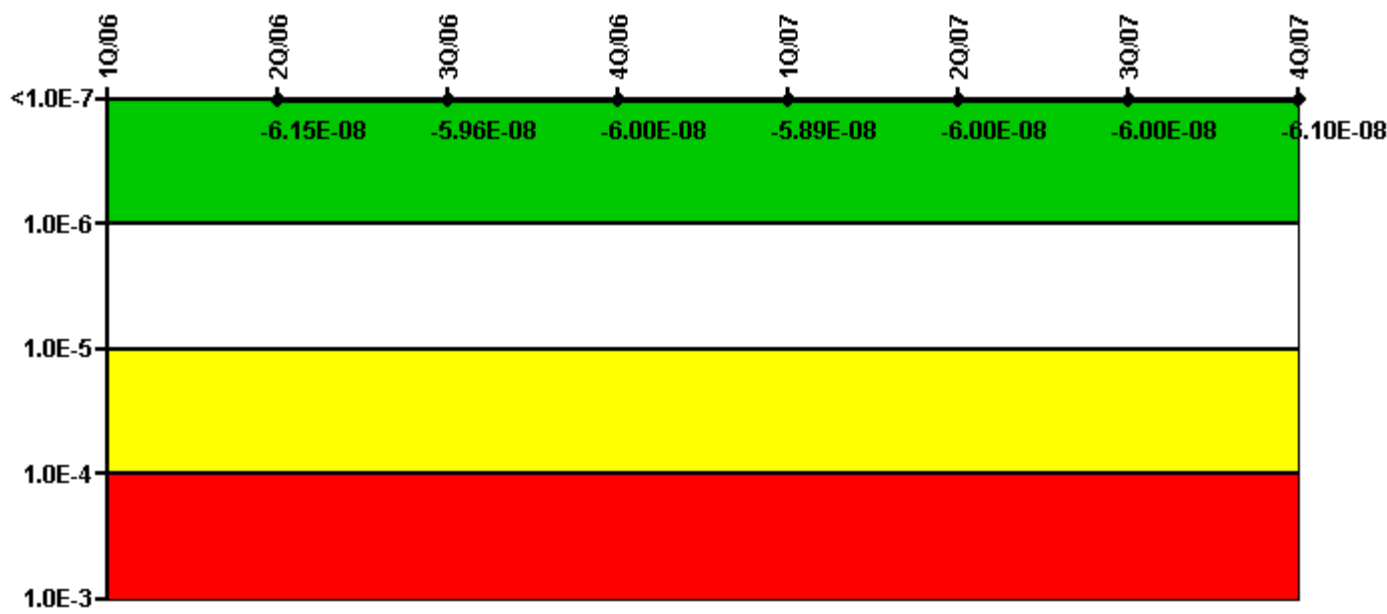
Notes

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 (ΔCDF)		1.10E-07	7.90E-08	5.60E-08	4.90E-08	5.80E-08	7.00E-08	9.80E-08
URI (ΔCDF)		1.00E-06	6.50E-07	6.50E-07	1.20E-06	1.20E-06	1.00E-06	1.00E-06
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		1.11E-06	7.29E-07	7.06E-07	1.25E-06	1.26E-06	1.07E-06	1.10E-06

Licensee Comments:

4Q/07: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



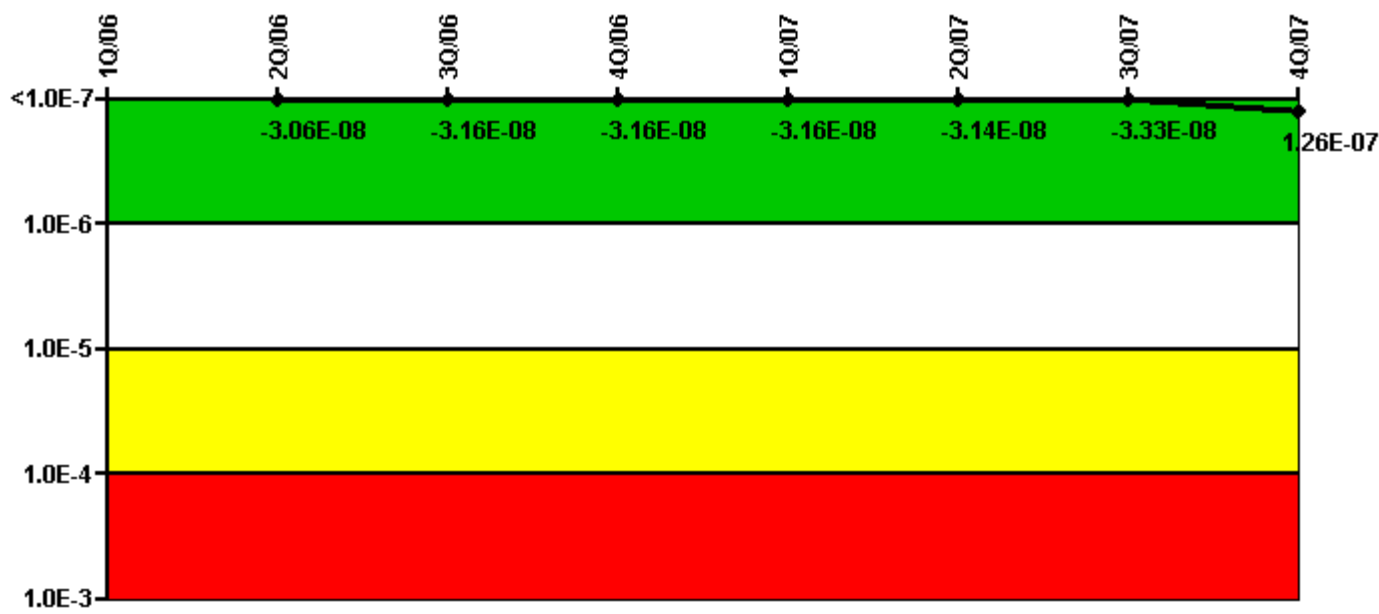
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		-3.50E-09	-3.60E-09	-4.00E-09	-2.90E-09	-4.00E-09	-4.00E-09	-4.00E-09
URI (ΔCDF)		-5.80E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.70E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-6.15E-08	-5.96E-08	-6.00E-08	-5.89E-08	-6.00E-08	-6.00E-08	-6.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



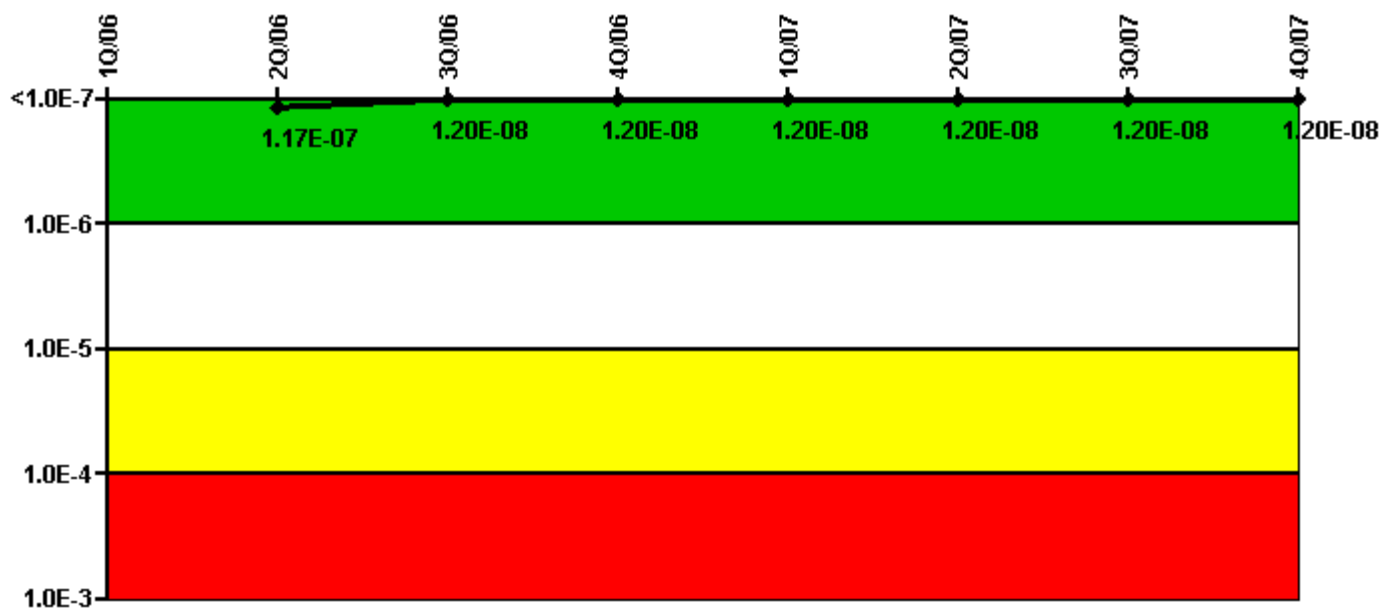
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.40E-09	-5.30E-09	3.80E-08
URI (ΔCDF)		-2.70E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	8.80E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-3.06E-08	-3.16E-08	-3.16E-08	-3.16E-08	-3.14E-08	-3.33E-08	1.26E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



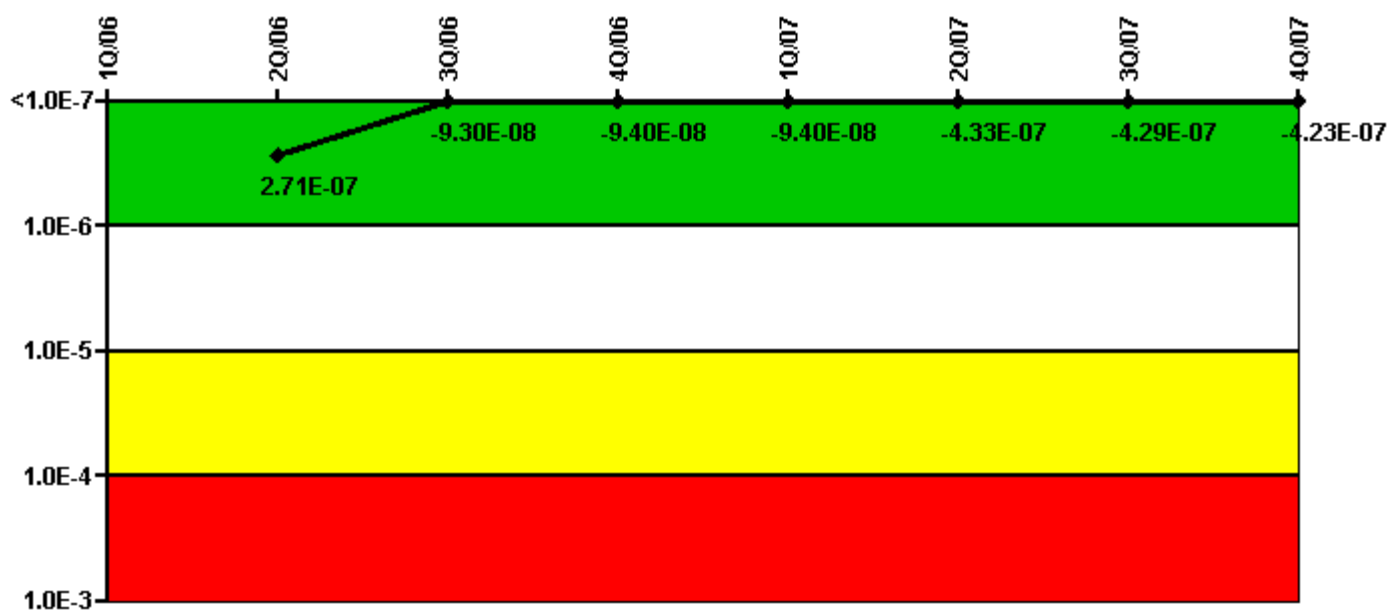
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ACDF)		-6.30E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08
URI (ACDF)		1.80E-07	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		1.17E-07	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



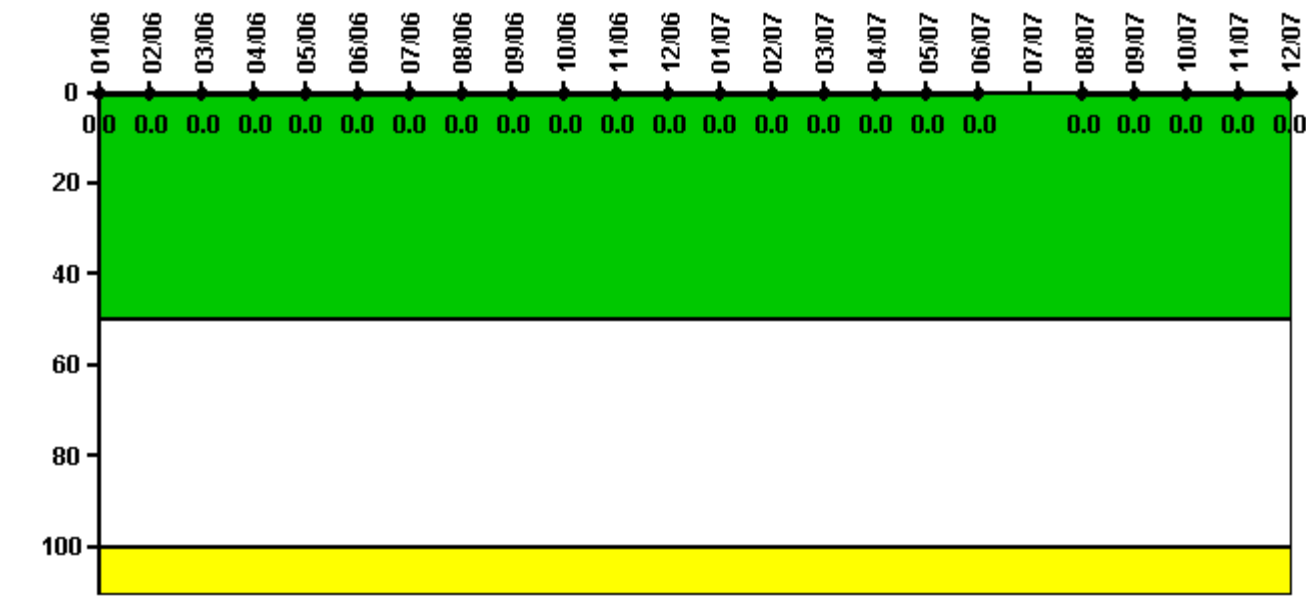
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		1.10E-08	-5.70E-08	-5.80E-08	-5.80E-08	-8.30E-08	-7.90E-08	-7.30E-08
URI (ΔCDF)		2.60E-07	-3.60E-08	-3.60E-08	-3.60E-08	-3.50E-07	-3.50E-07	-3.50E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		2.71E-07	-9.30E-08	-9.40E-08	-9.40E-08	-4.33E-07	-4.29E-07	-4.23E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

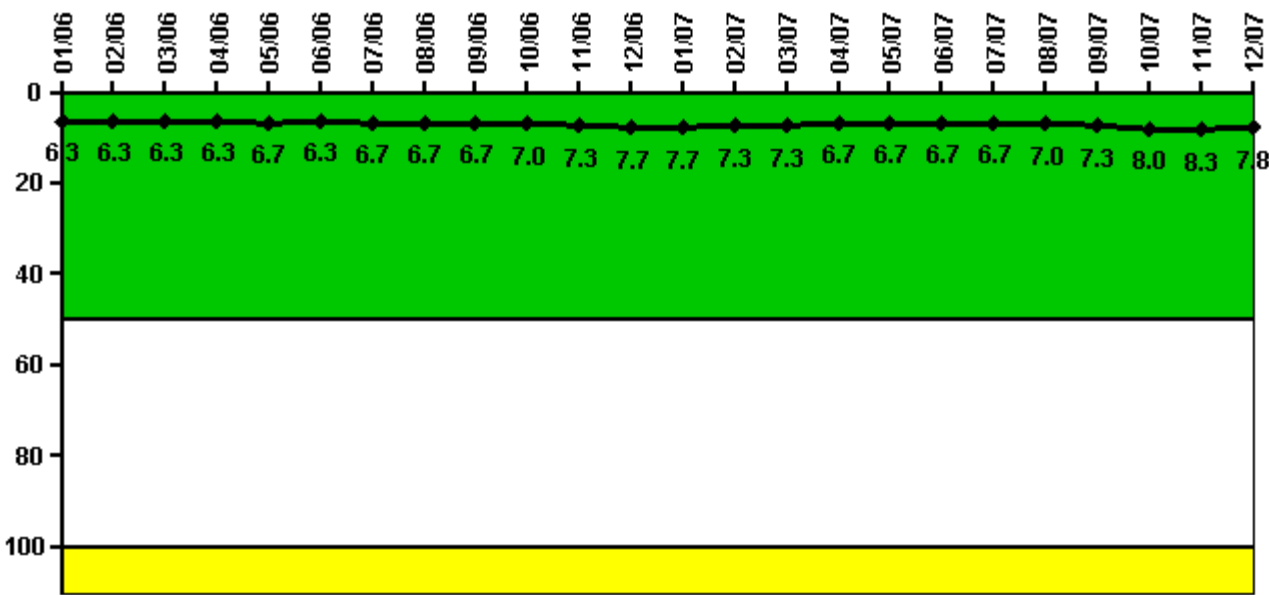
Notes

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	0.000048	0.000035	0.000046	0.000042	0.000045	0.000034	0.000037	0.000044	0.000043	0.000048	0.000035	0.000041
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	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	0.000047	0.000043	0.000046	0.000009	0.000016	0.000018	N/A	0.000014	0.000015	0.000016	0.000017	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	N/A	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

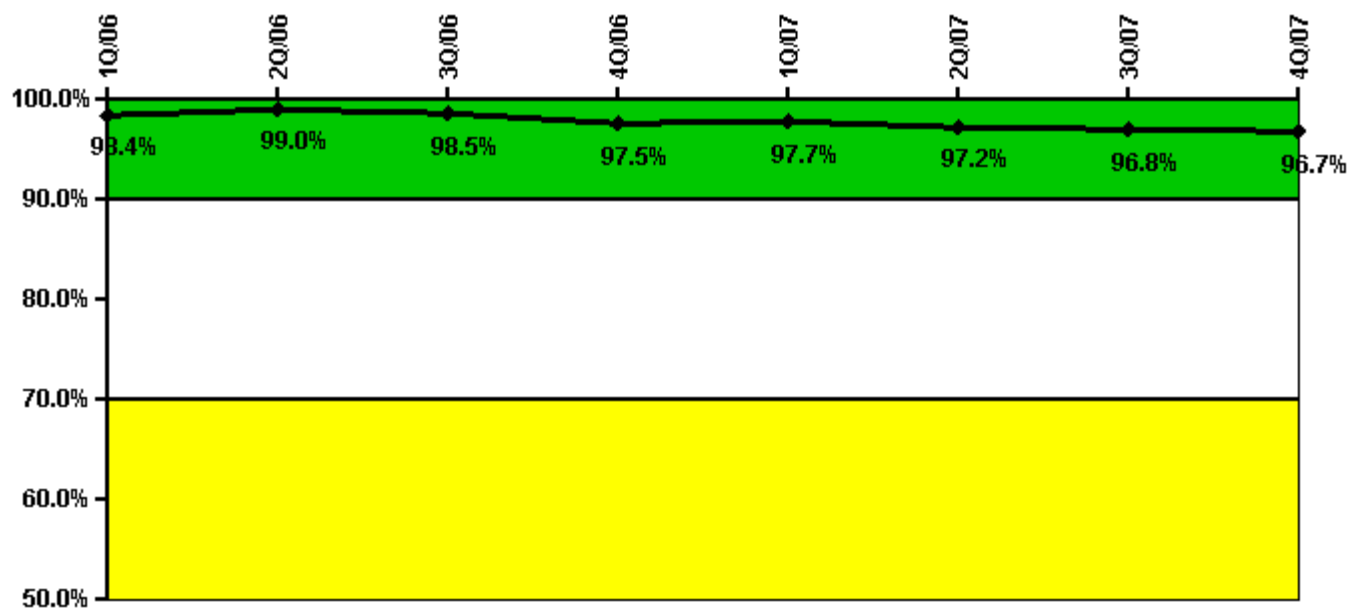
Notes

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	1.900	1.900	1.900	1.900	2.000	1.900	2.000	2.000	2.000	2.100	2.200	2.300
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.3	6.3	6.3	6.7	6.3	6.7	6.7	6.7	7.0	7.3	7.7

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	2.300	2.200	2.200	2.000	2.000	2.000	2.000	2.100	2.200	2.400	2.500	2.340
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.7	7.3	7.3	6.7	6.7	6.7	6.7	7.0	7.3	8.0	8.3	7.8

Licensee Comments: none

Drill/Exercise Performance



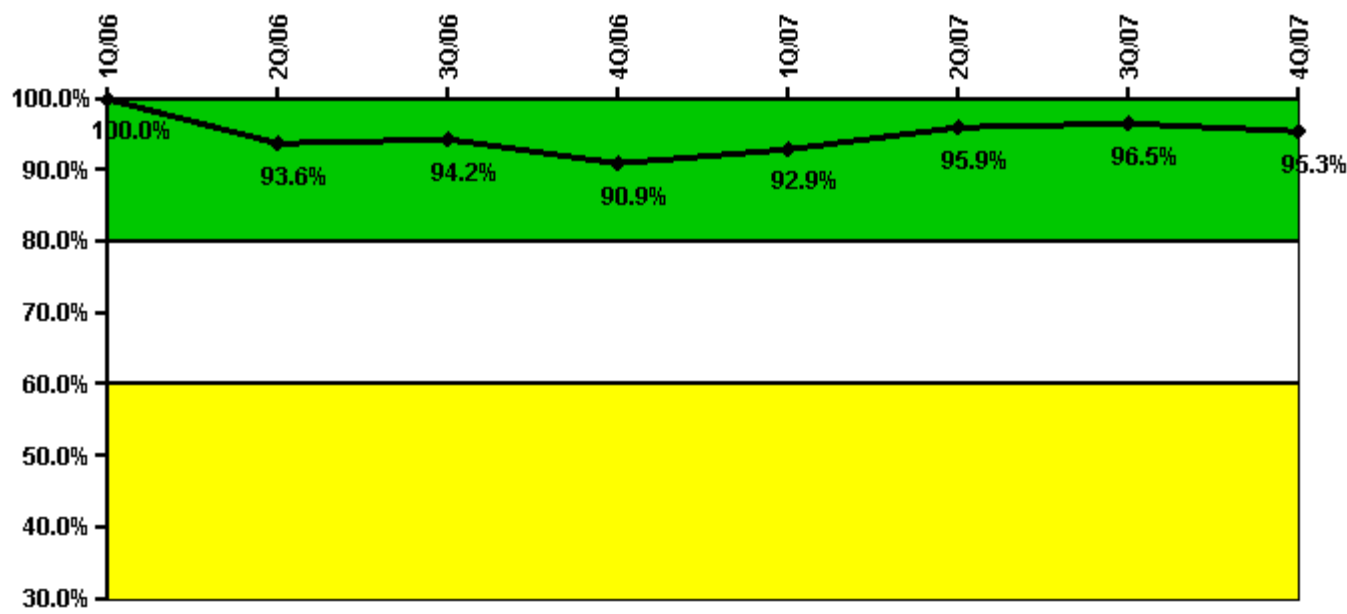
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	26.0	22.0	24.0	54.0	10.0	19.0	11.0	36.0
Total opportunities	26.0	22.0	26.0	56.0	10.0	20.0	12.0	37.0
Indicator value	98.4%	99.0%	98.5%	97.5%	97.7%	97.2%	96.8%	96.7%

Licensee Comments: none

ERO Drill Participation



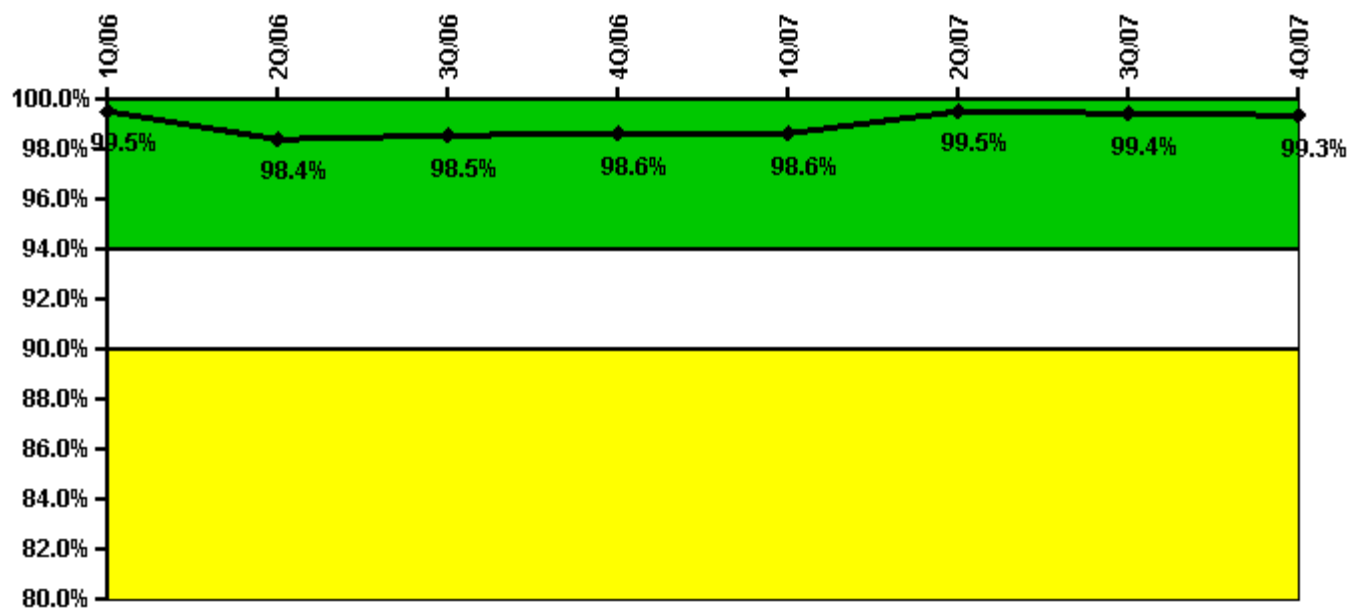
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	166.0	162.0	162.0	149.0	157.0	162.0	166.0	161.0
Total Key personnel	166.0	173.0	172.0	164.0	169.0	169.0	172.0	169.0
Indicator value	100.0%	93.6%	94.2%	90.9%	92.9%	95.9%	96.5%	95.3%

Licensee Comments: none

Alert & Notification System



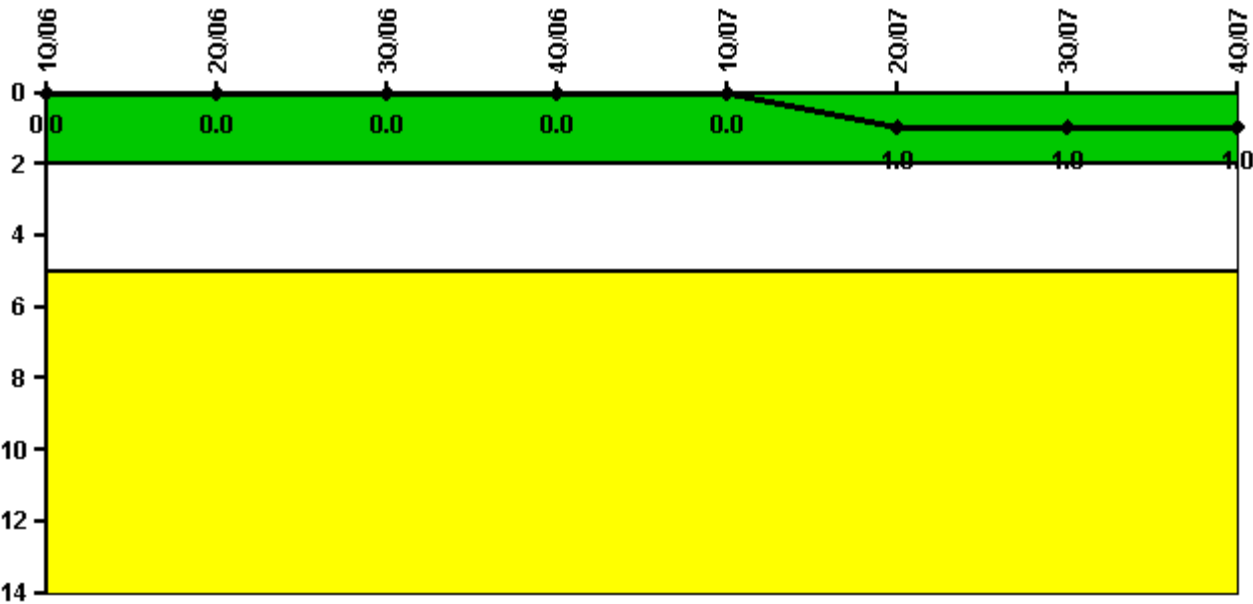
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	529	508	531	531	528	527	529	530
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.5%	98.4%	98.5%	98.6%	98.6%	99.5%	99.4%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



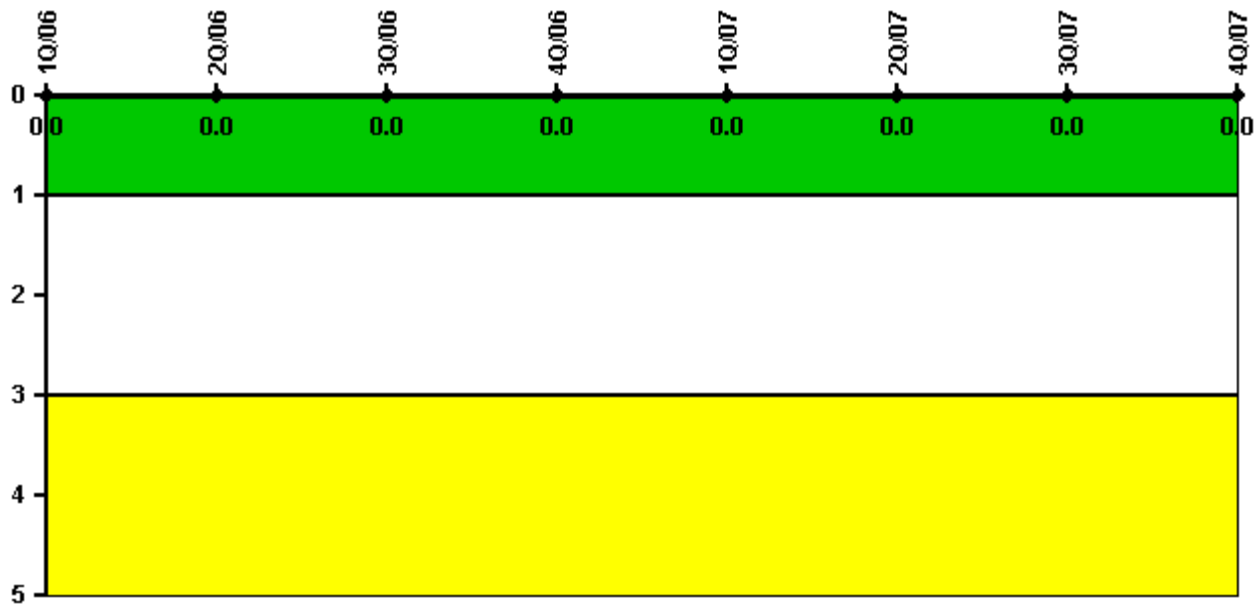
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
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	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.

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

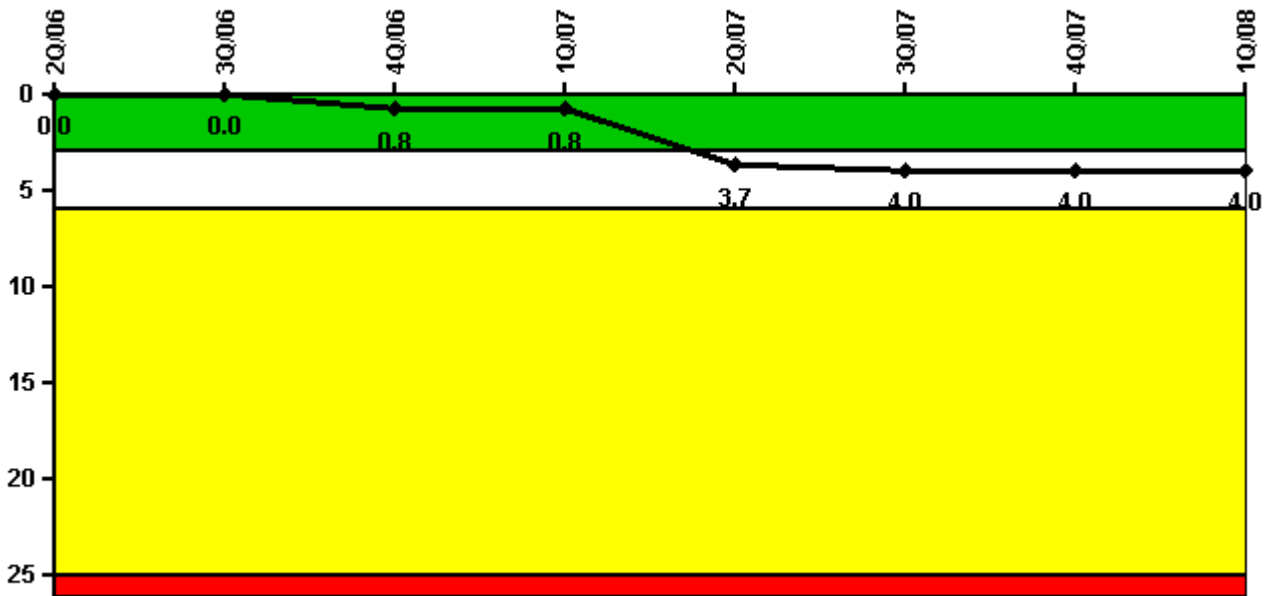
Last Modified: February 4, 2008

Perry 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

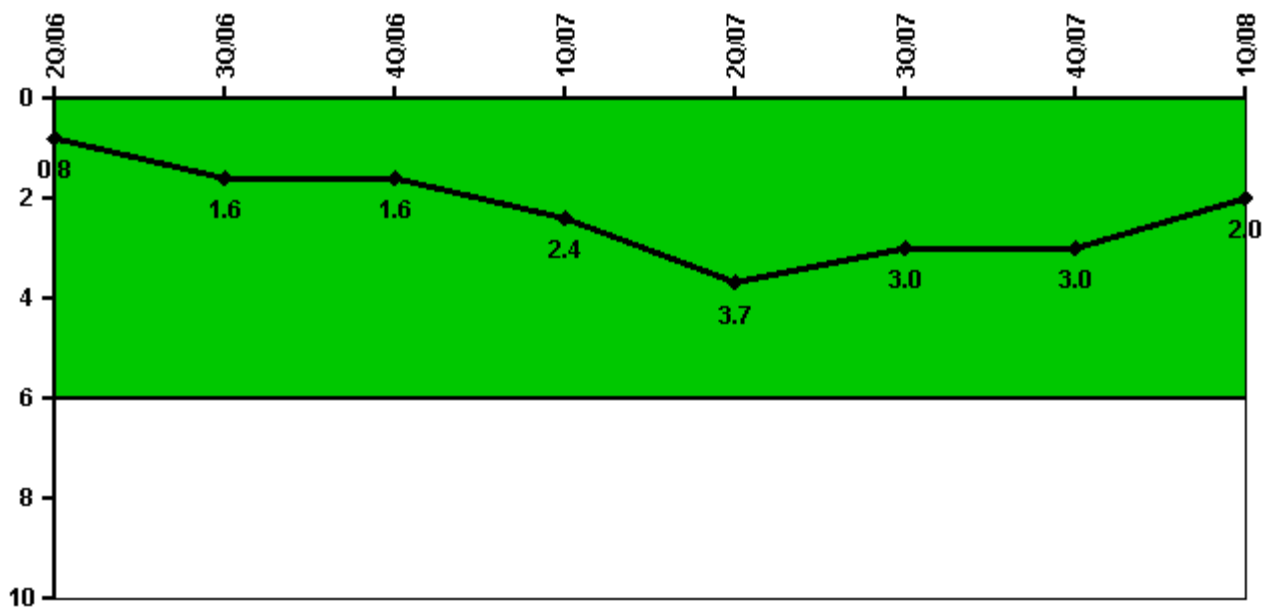
Notes

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	1.0	0	3.0	0	1.0	0
Critical hours	2183.0	2208.0	2080.3	2159.0	1106.2	1659.2	2000.8	2183.0
Indicator value	0	0	0.8	0.8	3.7	4.0	4.0	4.0

Licensee Comments:

2Q/07: Two SCRAMS in June were changed to unplanned in response to the denial of FAQ 75.0 and 75.1. When added to previously reported SCRAMS this performance indicator crosses the threshold to white.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

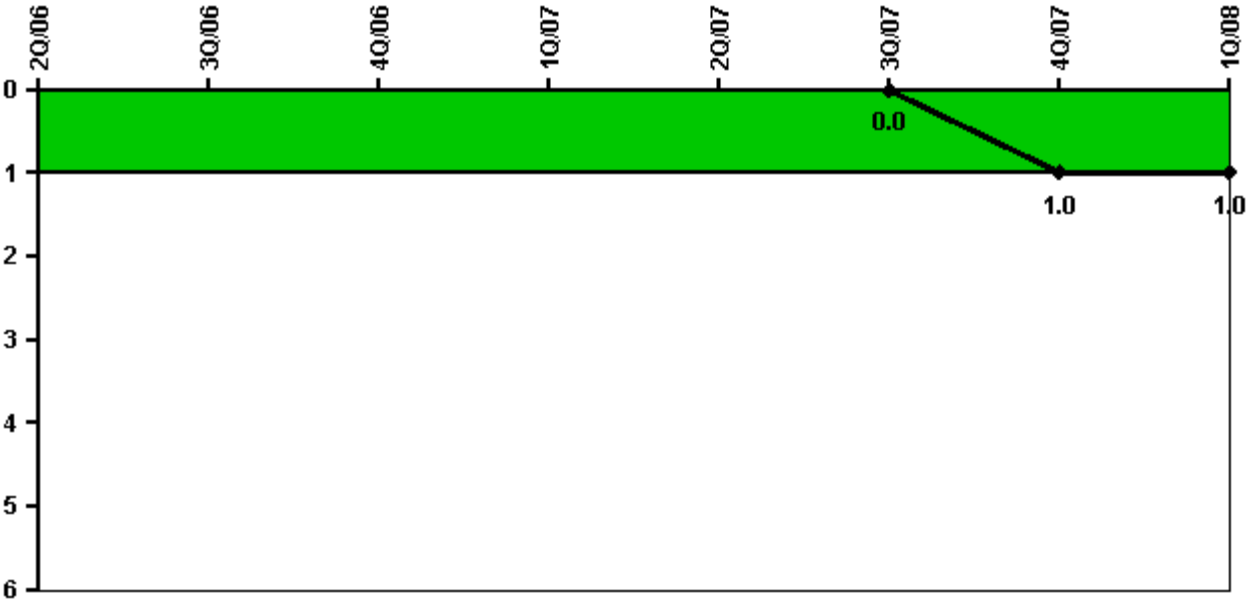
Notes

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	1.0	1.0	0	1.0	2.0	0	0	0
Critical hours	2183.0	2208.0	2080.3	2159.0	1106.2	1659.2	2000.8	2183.0
Indicator value	0.8	1.6	1.6	2.4	3.7	3.0	3.0	2.0

Licensee Comments:

2Q/07: An unplanned power change in June was removed and updated to be an unplanned SCRAM. This did not impact the Performance Indicator threshold.

Unplanned Scrams with Complications



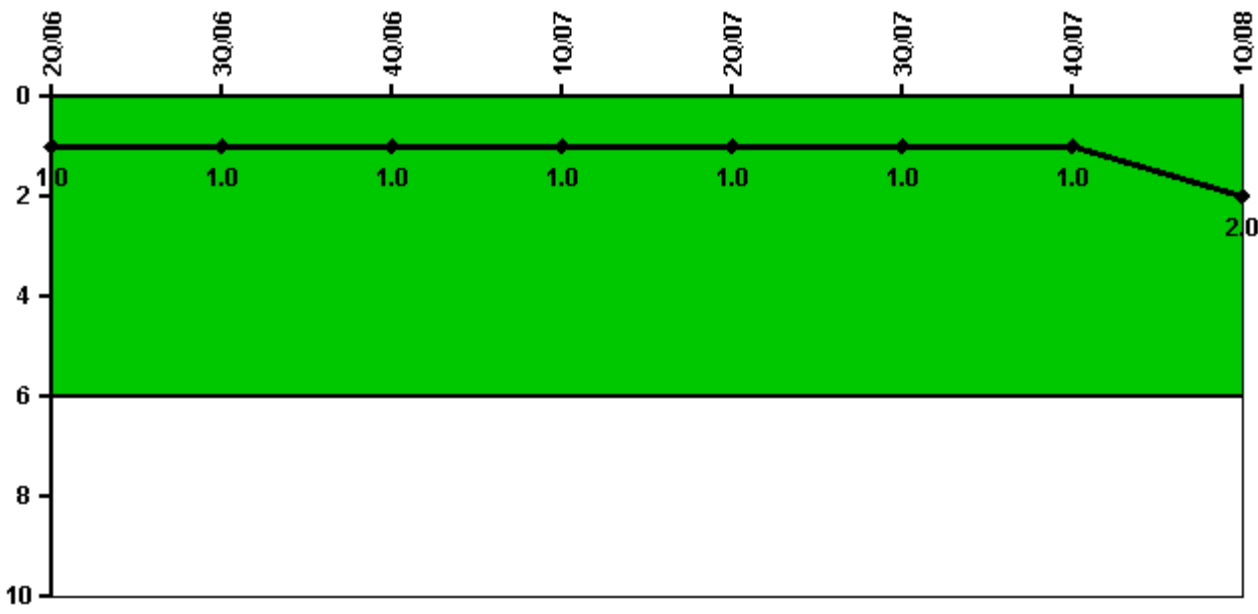
Thresholds: White > 1.0

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	1.0	0
Indicator value						0.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

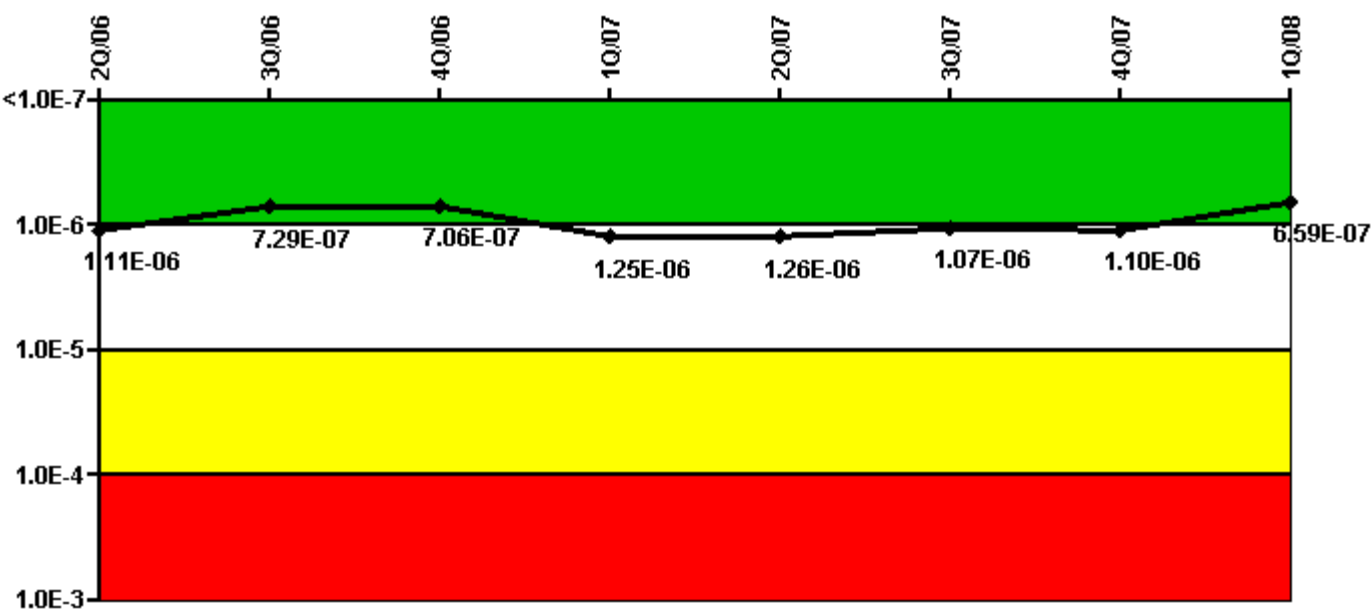
Notes

Safety System Functional Failures (BWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	1	0	0	0	1	1
Indicator value	1	1	1	1	1	1	1	2

Licensee Comments:

1Q/08: Licensee Event Report Number (LER) Number 2007-006 reported the safety system functional failure.

Mitigating Systems Performance Index, Emergency AC Power System



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

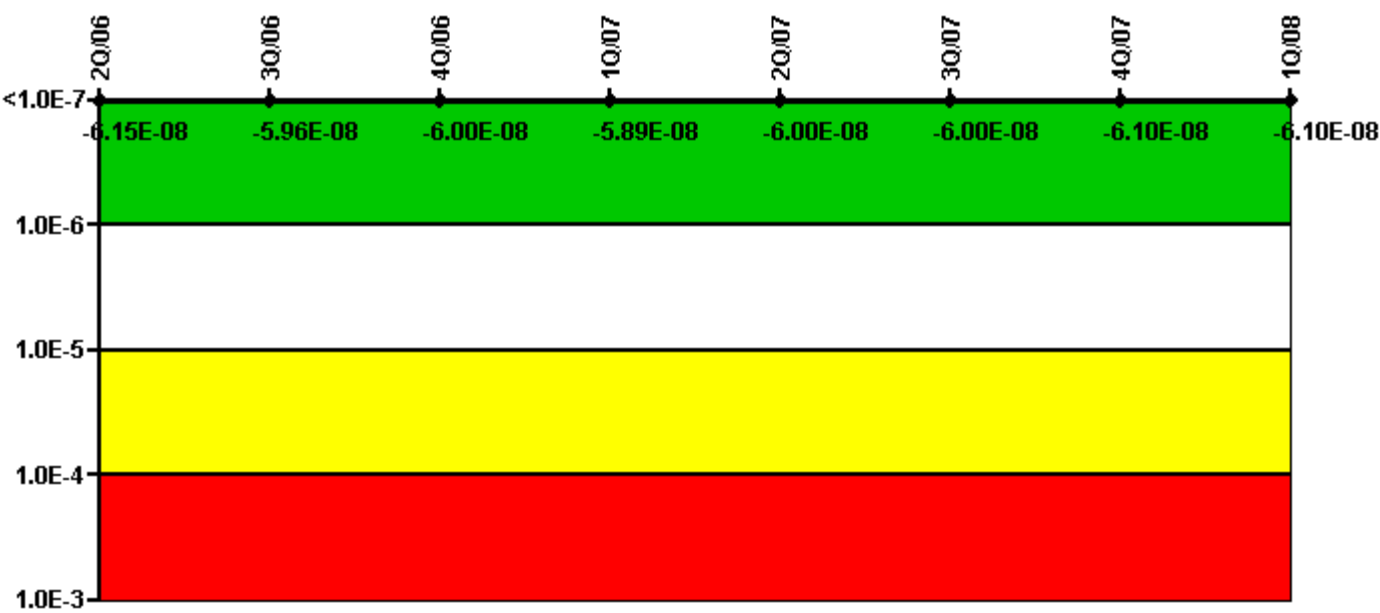
Notes

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)	1.10E-07	7.90E-08	5.60E-08	4.90E-08	5.80E-08	7.00E-08	9.80E-08	4.90E-08
URI (ΔCDF)	1.00E-06	6.50E-07	6.50E-07	1.20E-06	1.20E-06	1.00E-06	1.00E-06	6.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.11E-06	7.29E-07	7.06E-07	1.25E-06	1.26E-06	1.07E-06	1.10E-06	6.59E-07

Licensee Comments:

1Q/08: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



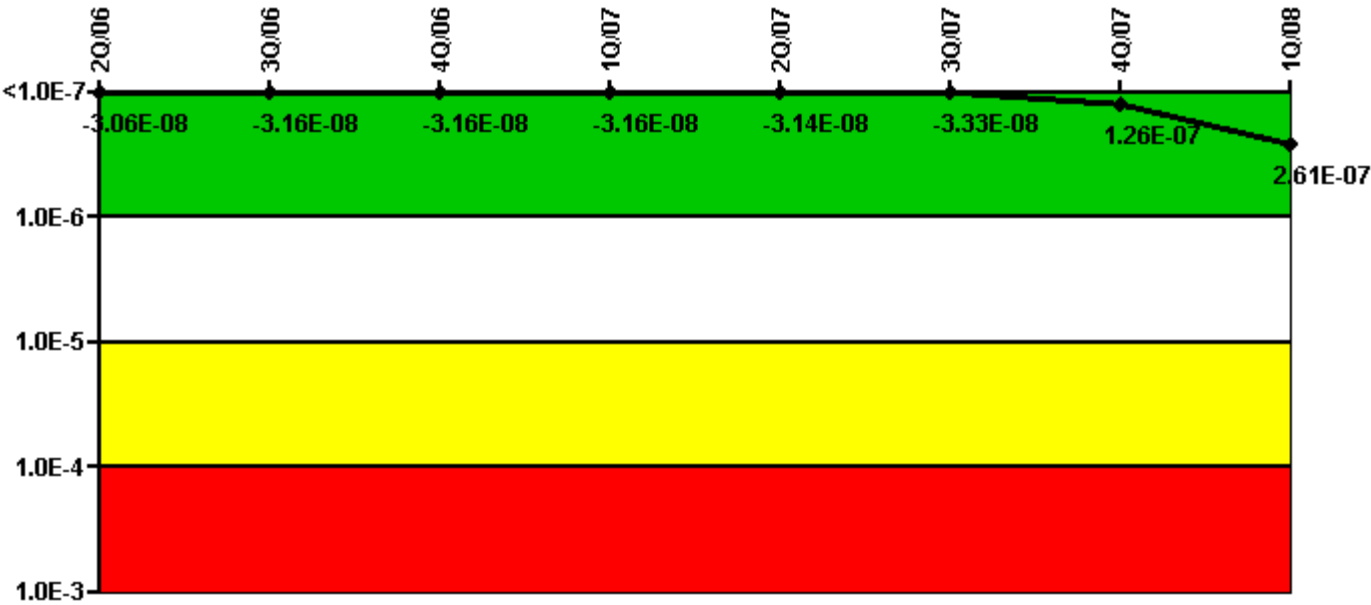
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-3.50E-09	-3.60E-09	-4.00E-09	-2.90E-09	-4.00E-09	-4.00E-09	-4.00E-09	-4.00E-09
URI (ΔCDF)	-5.80E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.70E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.15E-08	-5.96E-08	-6.00E-08	-5.89E-08	-6.00E-08	-6.00E-08	-6.10E-08	-6.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



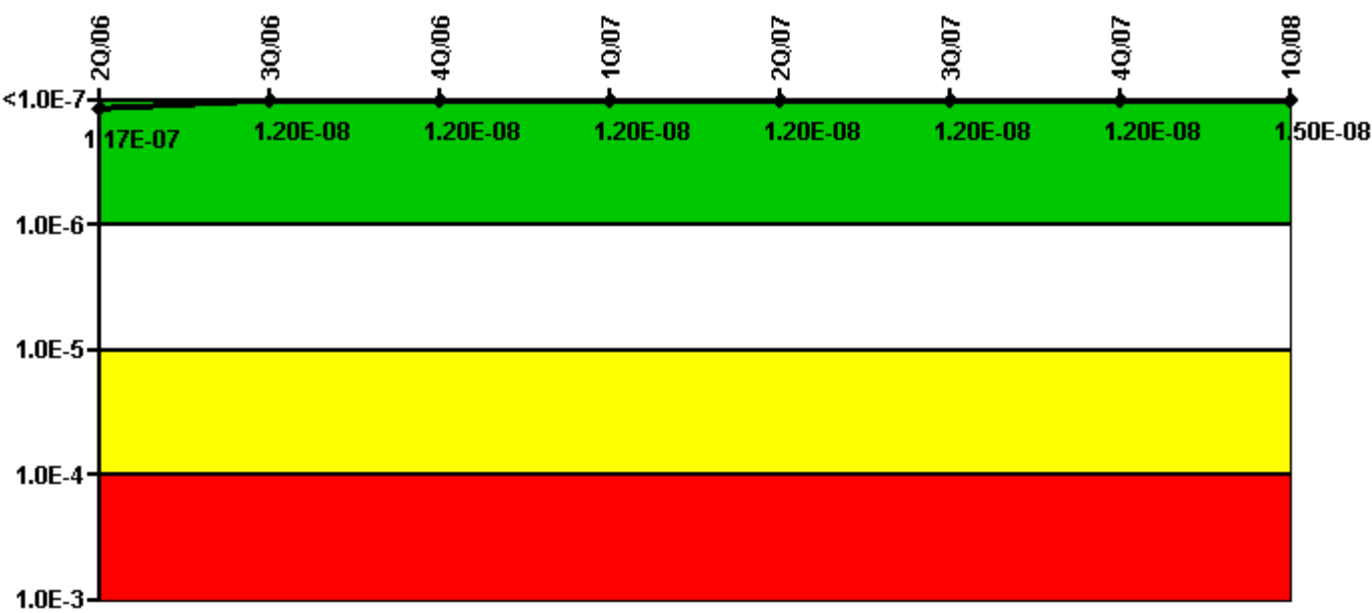
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.40E-09	-5.30E-09	3.80E-08	5.10E-08
URI (ΔCDF)	-2.70E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	8.80E-08	2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.06E-08	-3.16E-08	-3.16E-08	-3.16E-08	-3.14E-08	-3.33E-08	1.26E-07	2.61E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

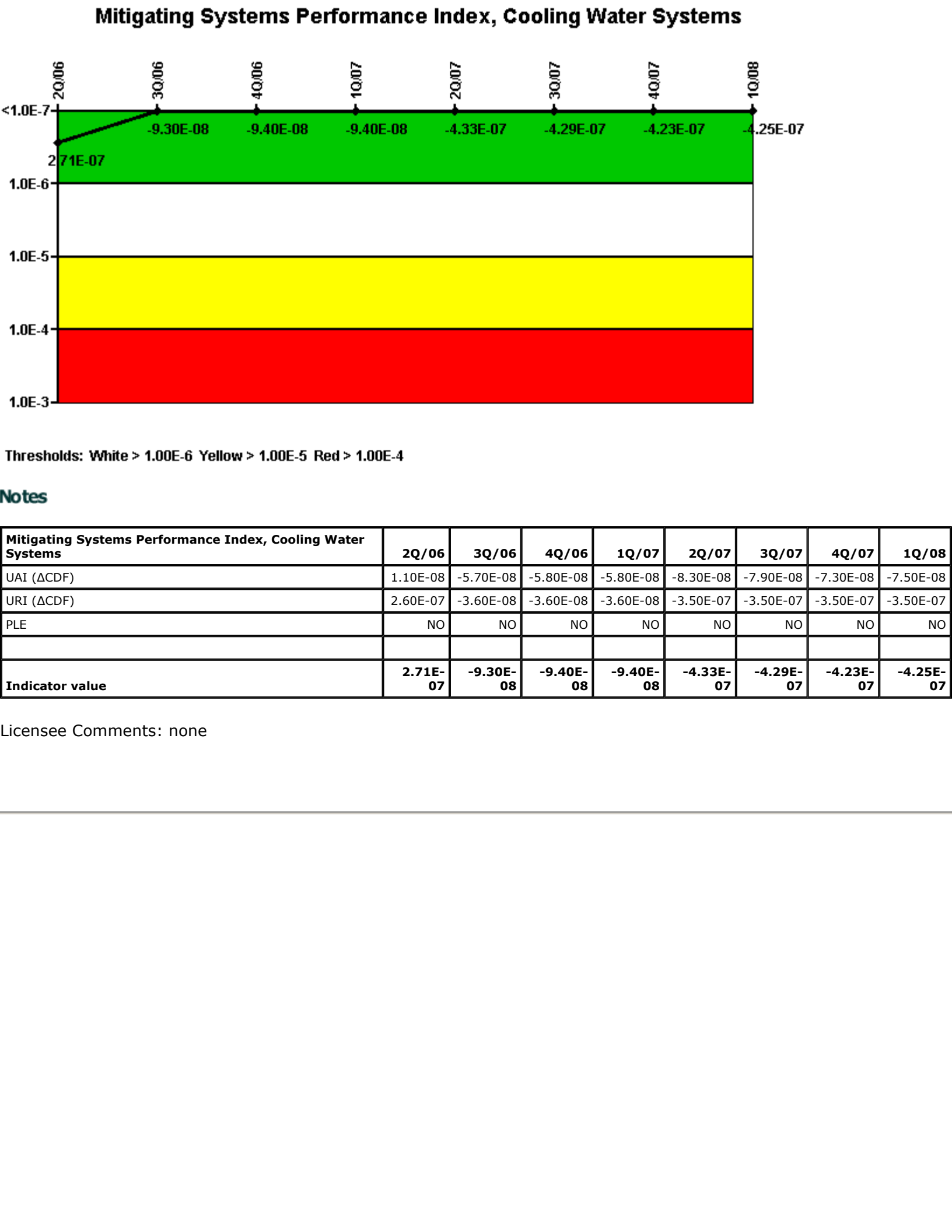


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

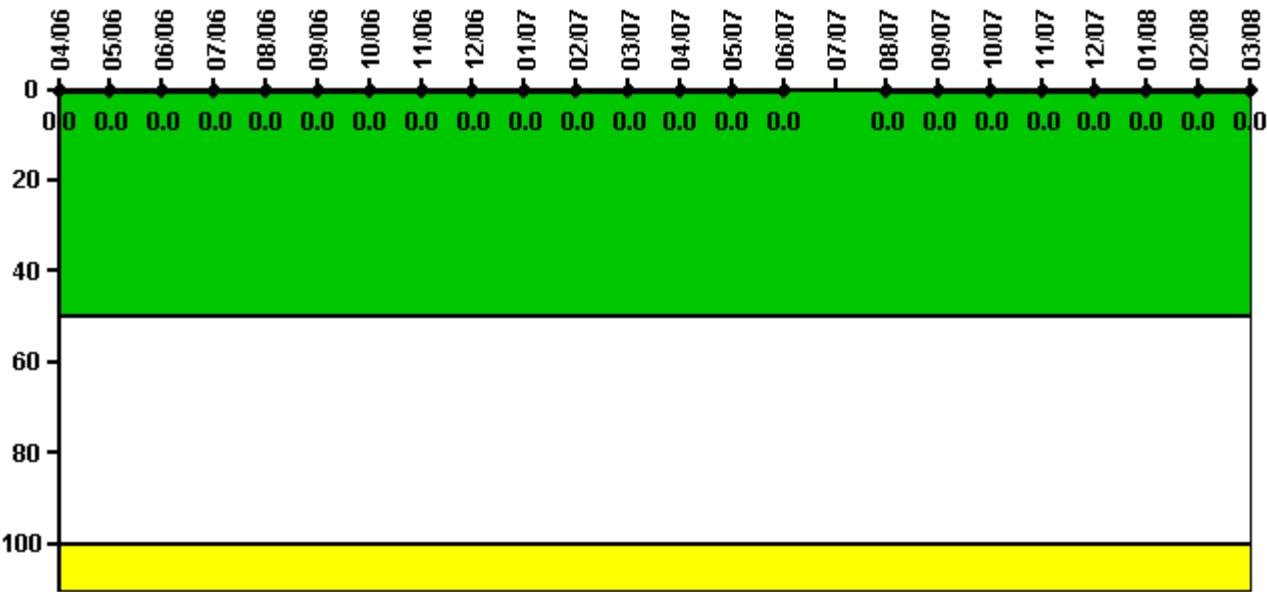
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-6.30E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-6.80E-08
URI (ΔCDF)	1.80E-07	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.17E-07	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.50E-08

Licensee Comments: none



Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

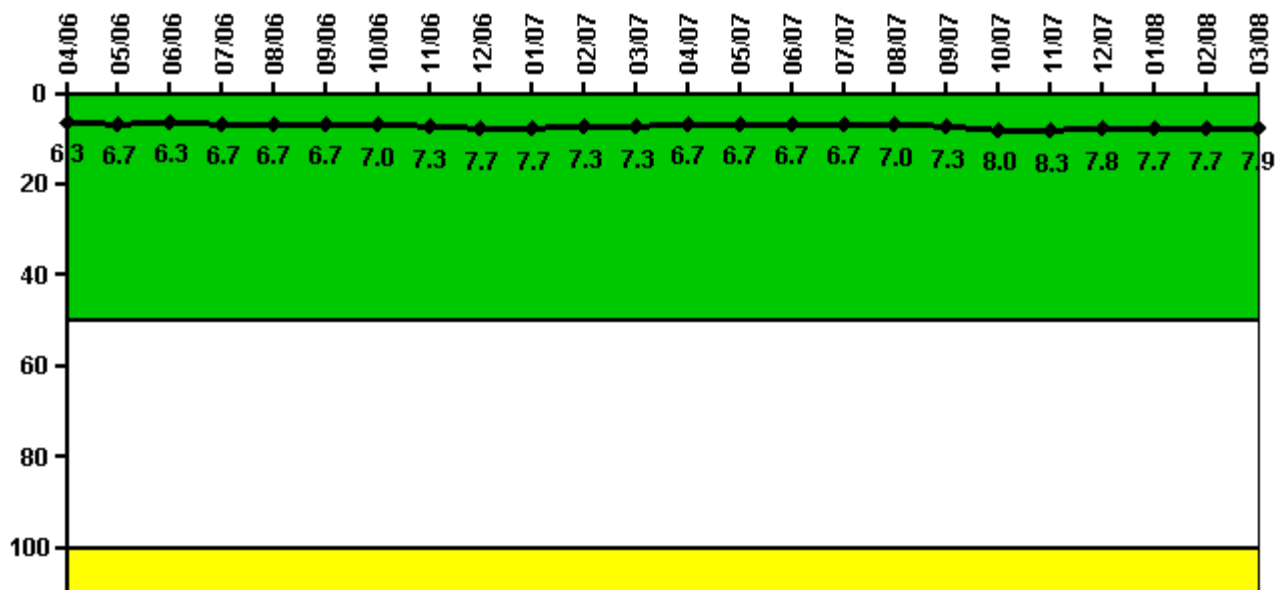
Notes

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	0.000042	0.000045	0.000034	0.000037	0.000044	0.000043	0.000048	0.000035	0.000041	0.000047	0.000043	0.000046
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	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	0.000009	0.000016	0.000018	N/A	0.000014	0.000015	0.000016	0.000017	0.000017	0.000017	0.000018	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	N/A	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



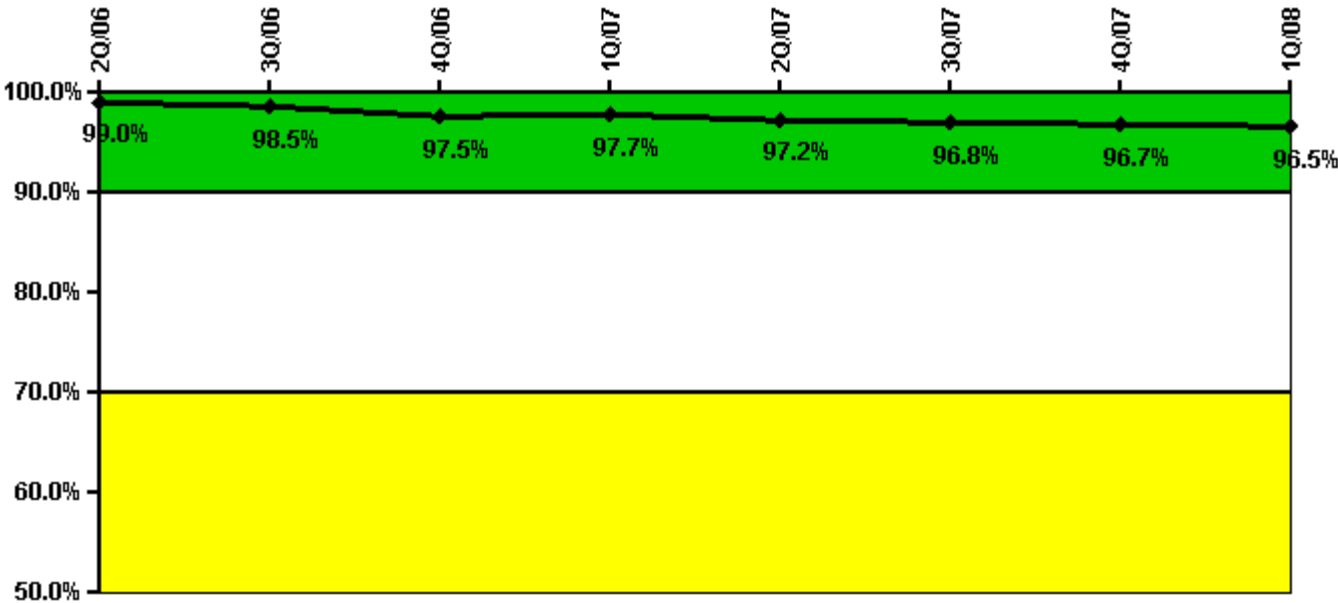
Thresholds: White > 50.0 Yellow > 100.0

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	1.900	2.000	1.900	2.000	2.000	2.000	2.100	2.200	2.300	2.300	2.200	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.7	6.3	6.7	6.7	6.7	7.0	7.3	7.7	7.7	7.3	7.3
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	2.000	2.000	2.000	2.000	2.100	2.200	2.400	2.500	2.340	2.320	2.310	2.380
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.7	6.7	6.7	7.0	7.3	8.0	8.3	7.8	7.7	7.7	7.9

Licensee Comments: none

Drill/Exercise Performance



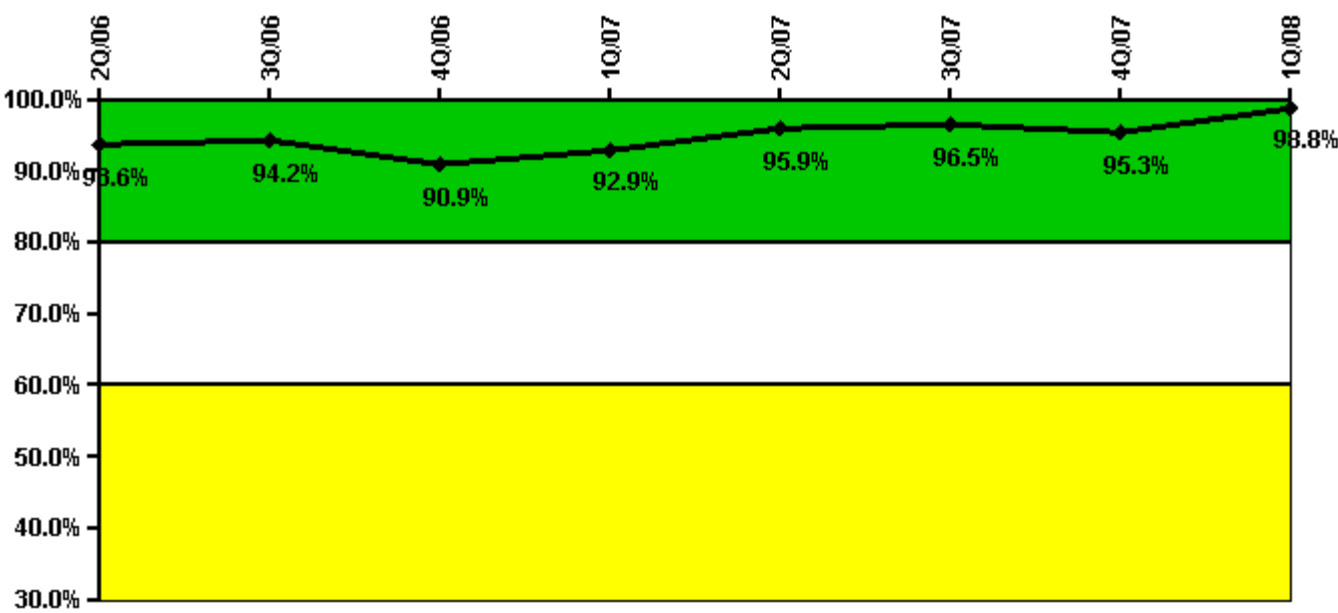
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	22.0	24.0	54.0	10.0	19.0	11.0	36.0	16.0
Total opportunities	22.0	26.0	56.0	10.0	20.0	12.0	37.0	16.0
Indicator value	99.0%	98.5%	97.5%	97.7%	97.2%	96.8%	96.7%	96.5%

Licensee Comments: none

ERO Drill Participation



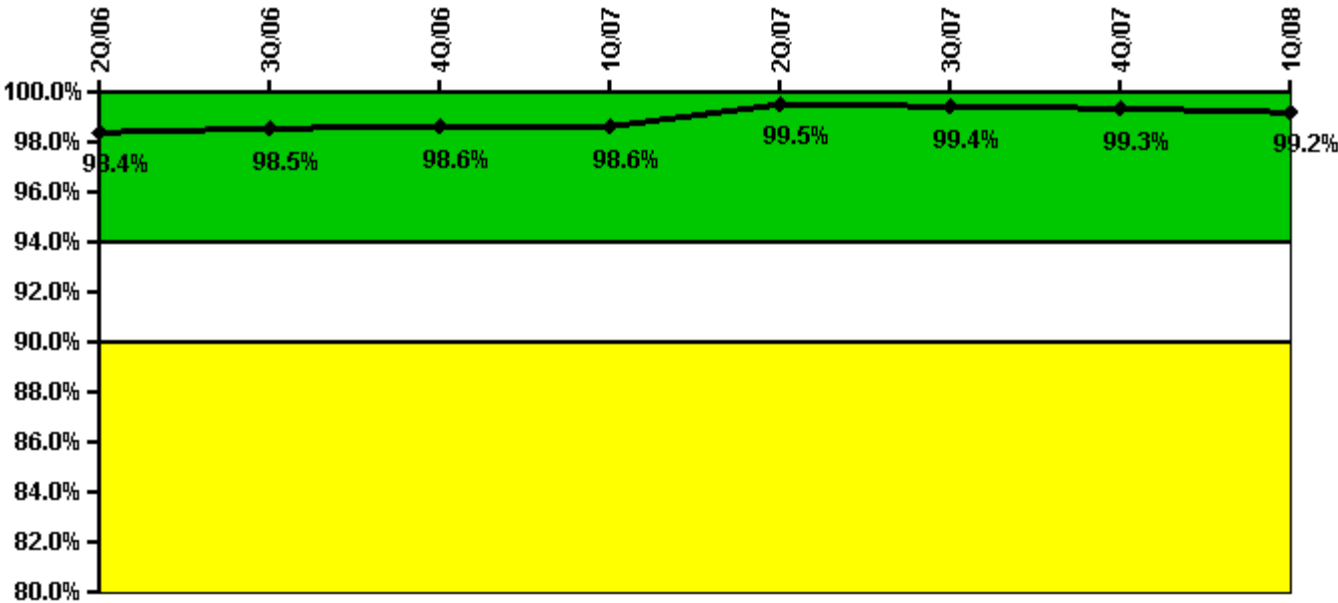
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	162.0	162.0	149.0	157.0	162.0	166.0	161.0	168.0
Total Key personnel	173.0	172.0	164.0	169.0	169.0	172.0	169.0	170.0
Indicator value	93.6%	94.2%	90.9%	92.9%	95.9%	96.5%	95.3%	98.8%

Licensee Comments: none

Alert & Notification System



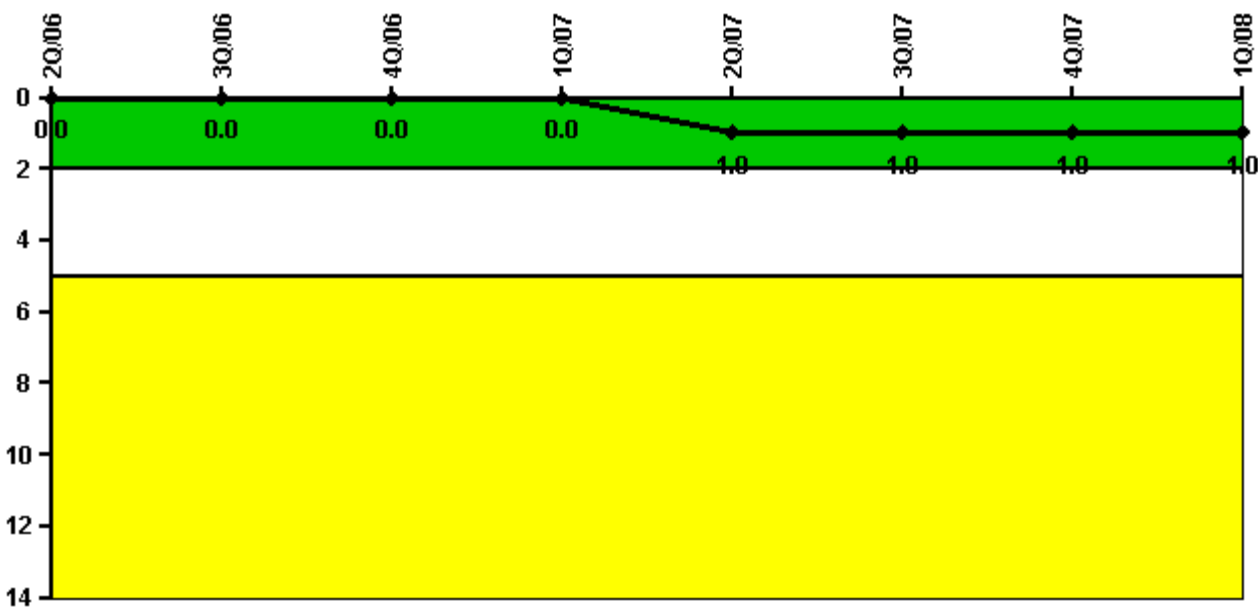
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	508	531	531	528	527	529	530	601
Total sirens-tests	532	532	532	532	532	532	532	608
Indicator value	98.4%	98.5%	98.6%	98.6%	99.5%	99.4%	99.3%	99.2%

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	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	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](#)

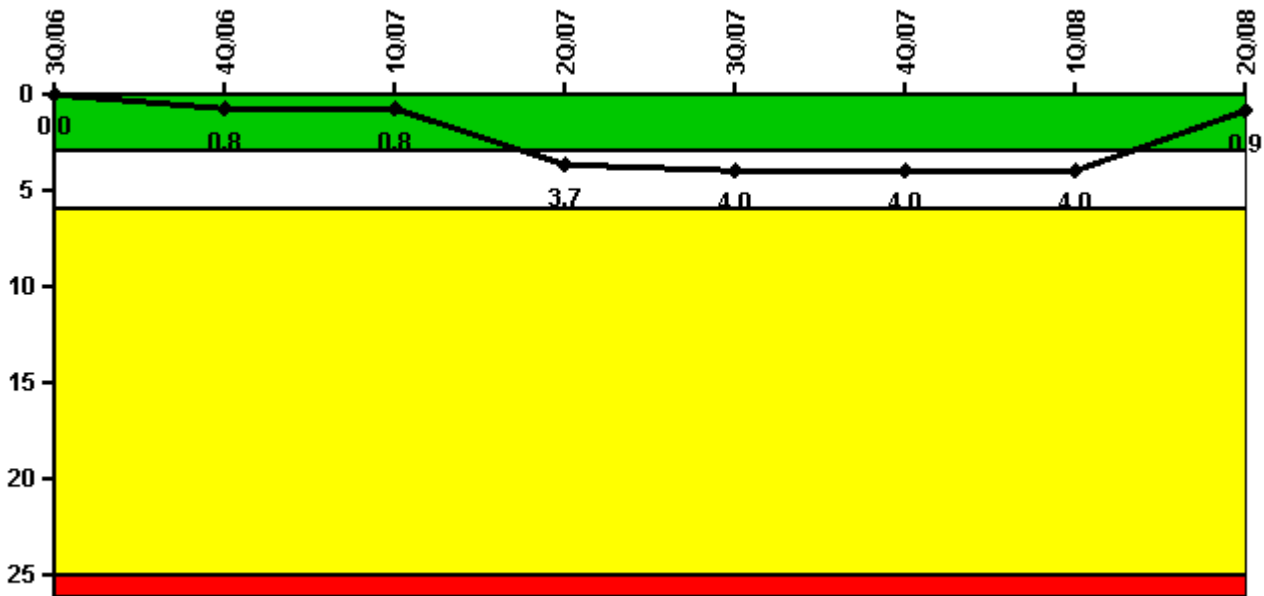
Last Modified: April 30, 2008

Perry 1

2Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



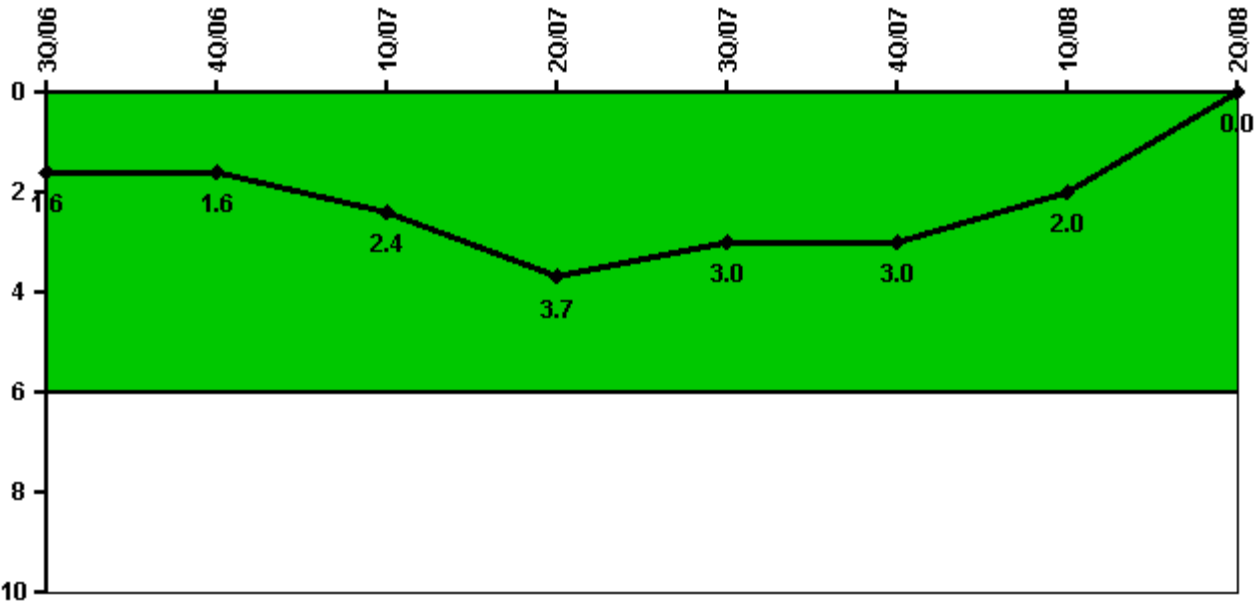
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	3.0	0	1.0	0	0
Critical hours	2208.0	2080.3	2159.0	1106.2	1659.2	2000.8	2183.0	2000.9
Indicator value	0	0.8	0.8	3.7	4.0	4.0	4.0	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



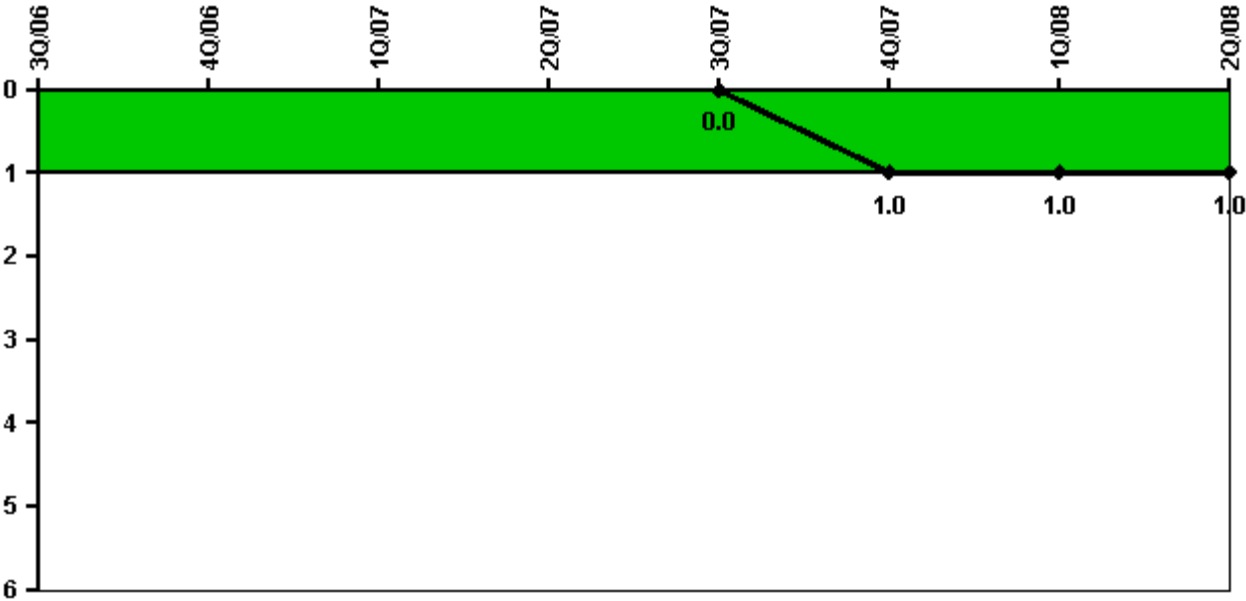
Thresholds: White > 6.0

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	1.0	0	1.0	2.0	0	0	0	0
Critical hours	2208.0	2080.3	2159.0	1106.2	1659.2	2000.8	2183.0	2000.9
Indicator value	1.6	1.6	2.4	3.7	3.0	3.0	2.0	0

Licensee Comments: none

Unplanned Scrams with Complications



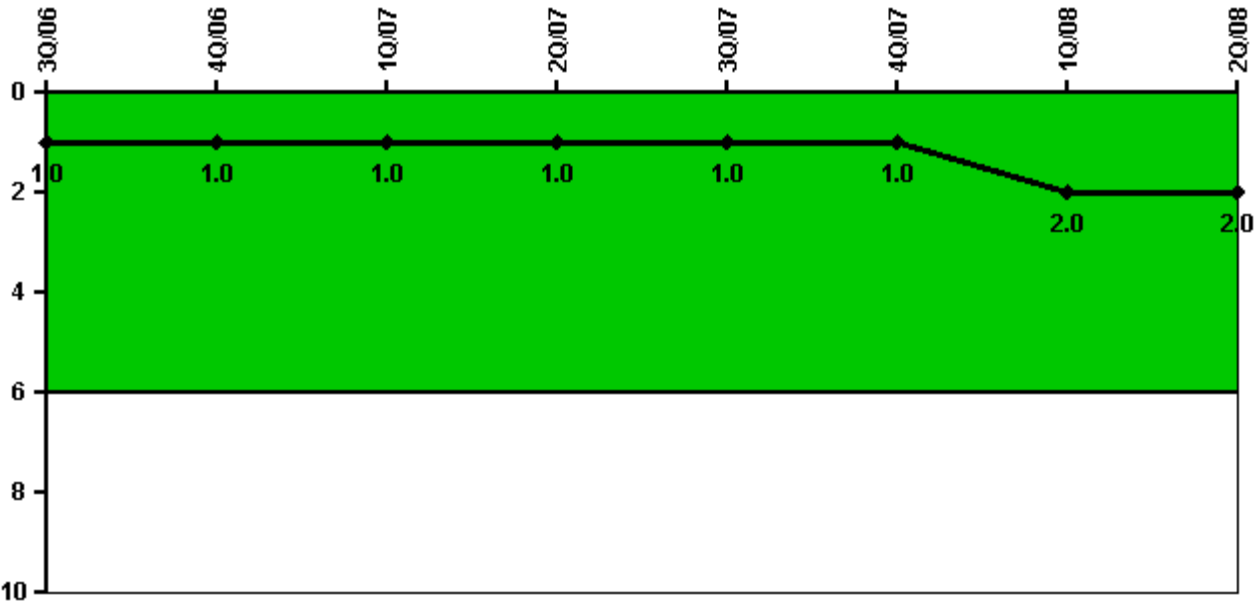
Thresholds: White > 1.0

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	1.0	0	0
Indicator value					0.0	1.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (BWR)



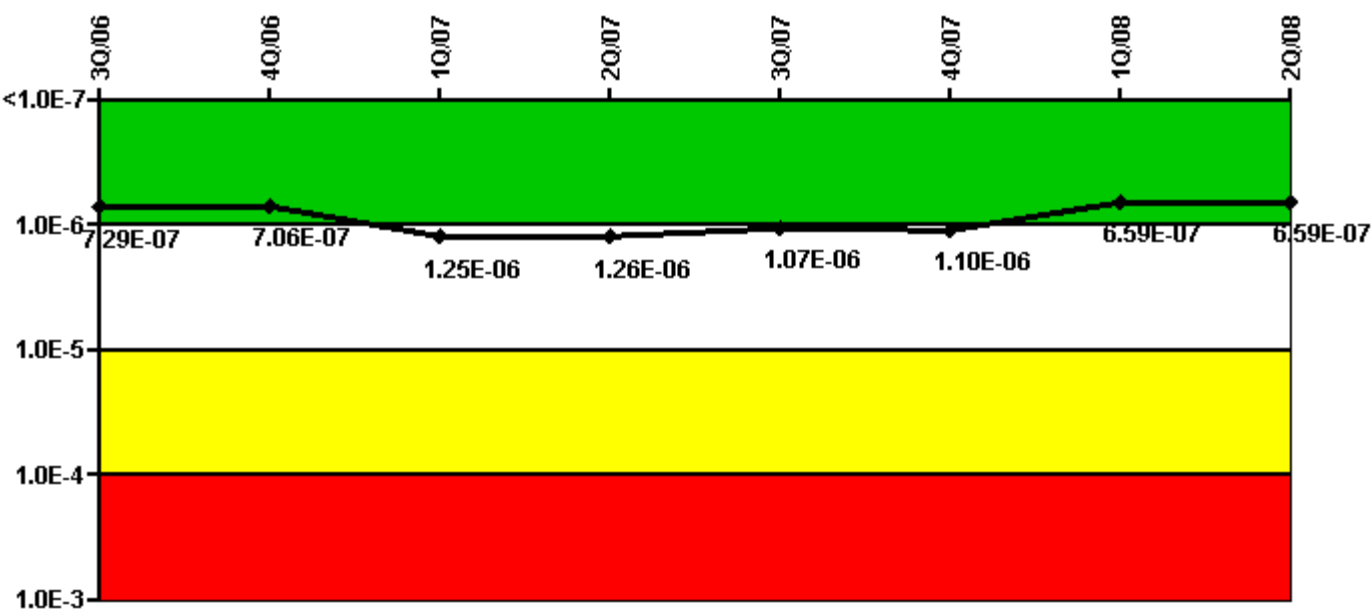
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Safety System Functional Failures	0	1	0	0	0	1	1	0
Indicator value	1	1	1	1	1	1	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

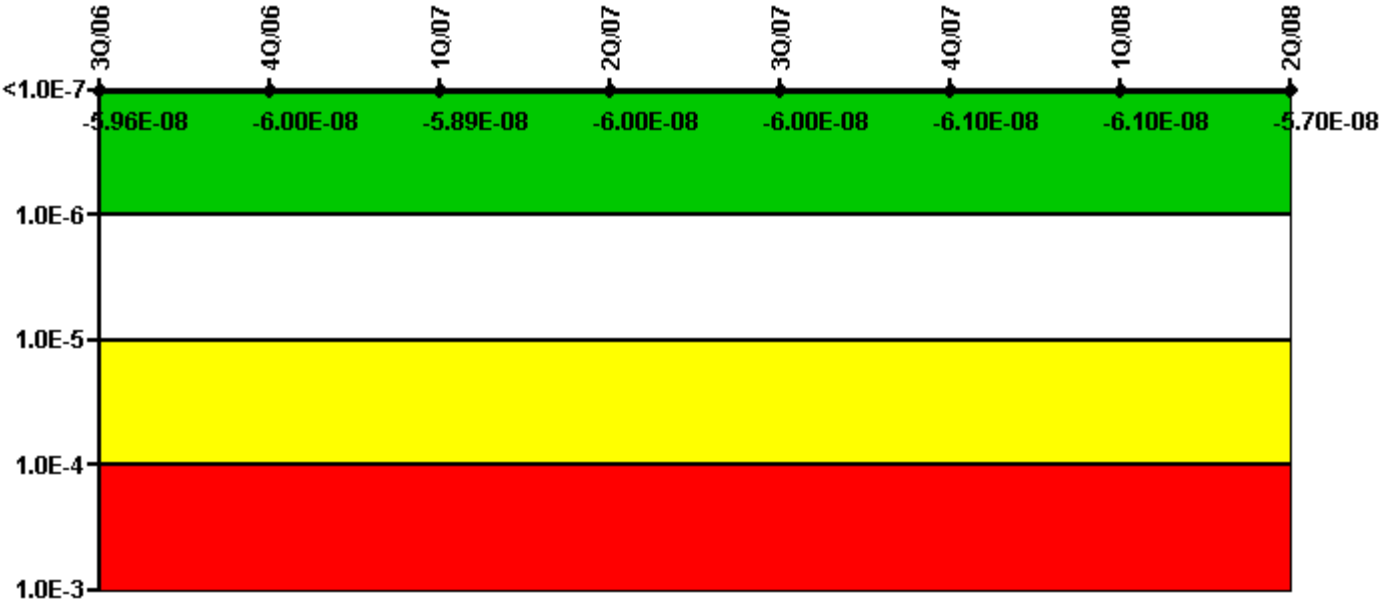
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	7.90E-08	5.60E-08	4.90E-08	5.80E-08	7.00E-08	9.80E-08	4.90E-08	4.90E-08
URI (ΔCDF)	6.50E-07	6.50E-07	1.20E-06	1.20E-06	1.00E-06	1.00E-06	6.10E-07	6.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.29E-07	7.06E-07	1.25E-06	1.26E-06	1.07E-06	1.10E-06	6.59E-07	6.59E-07

Licensee Comments:

2Q/08: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



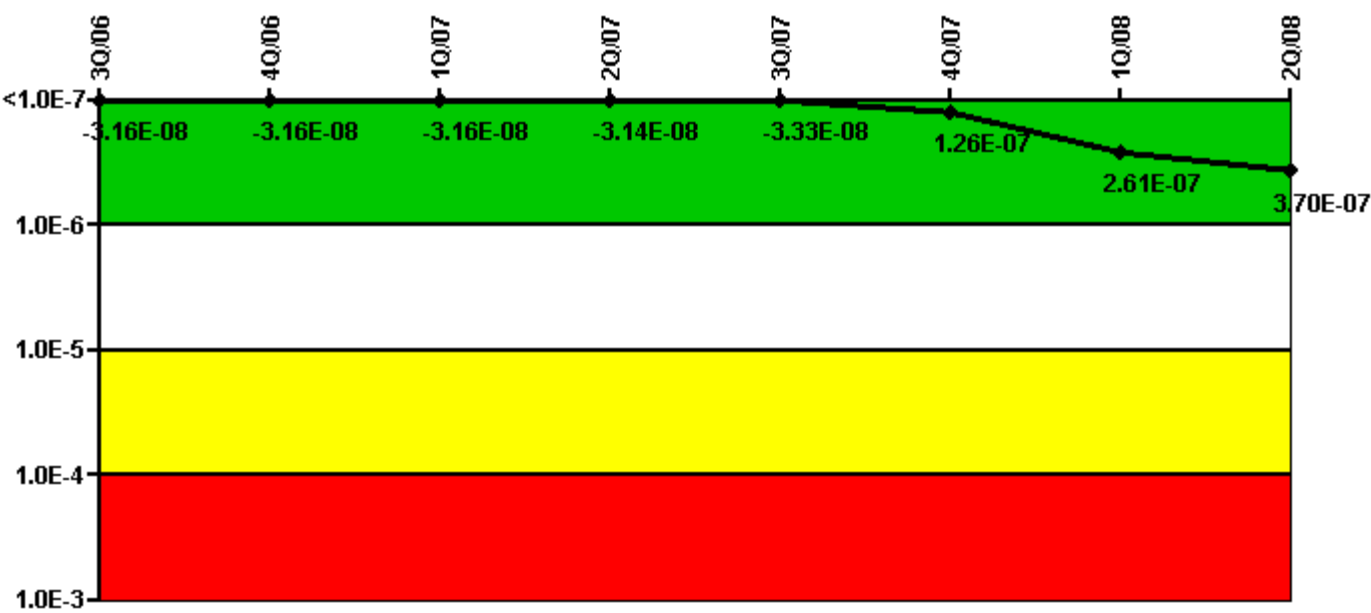
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-3.60E-09	-4.00E-09	-2.90E-09	-4.00E-09	-4.00E-09	-4.00E-09	-4.00E-09	1.20E-12
URI (ΔCDF)	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.70E-08	-5.70E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.96E-08	-6.00E-08	-5.89E-08	-6.00E-08	-6.00E-08	-6.10E-08	-6.10E-08	-5.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



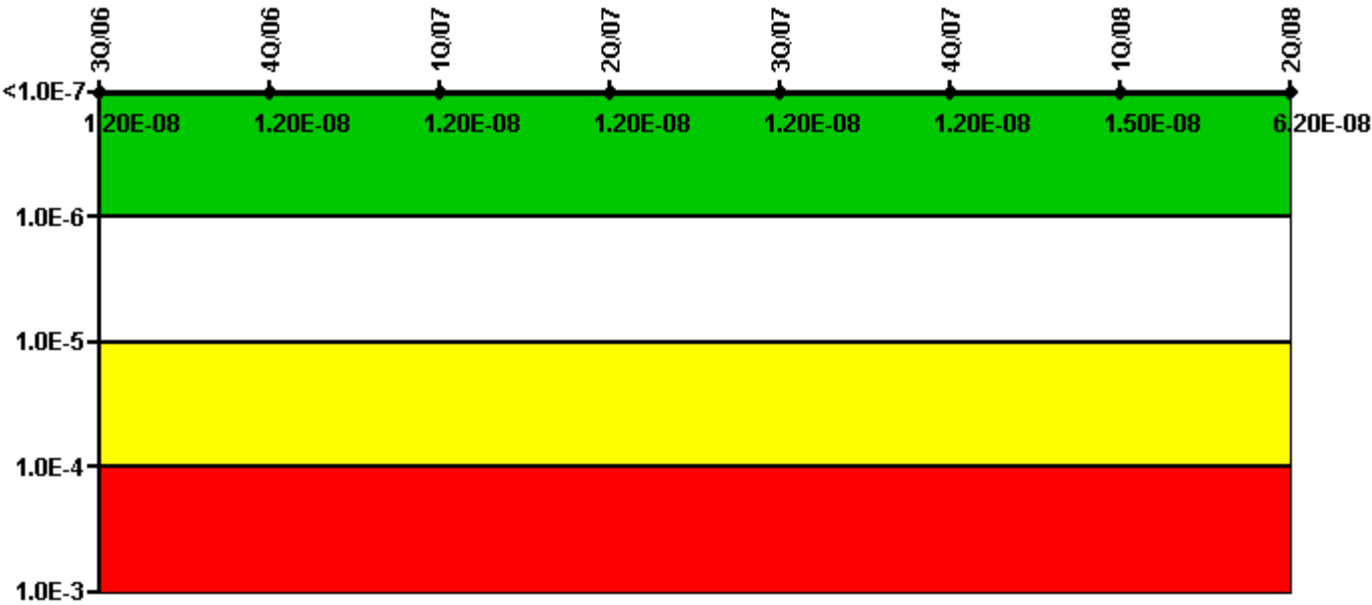
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-3.60E-09	-3.60E-09	-3.60E-09	-3.40E-09	-5.30E-09	3.80E-08	5.10E-08	5.00E-08
URI (ΔCDF)	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	8.80E-08	2.10E-07	3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.16E-08	-3.16E-08	-3.16E-08	-3.14E-08	-3.33E-08	1.26E-07	2.61E-07	3.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

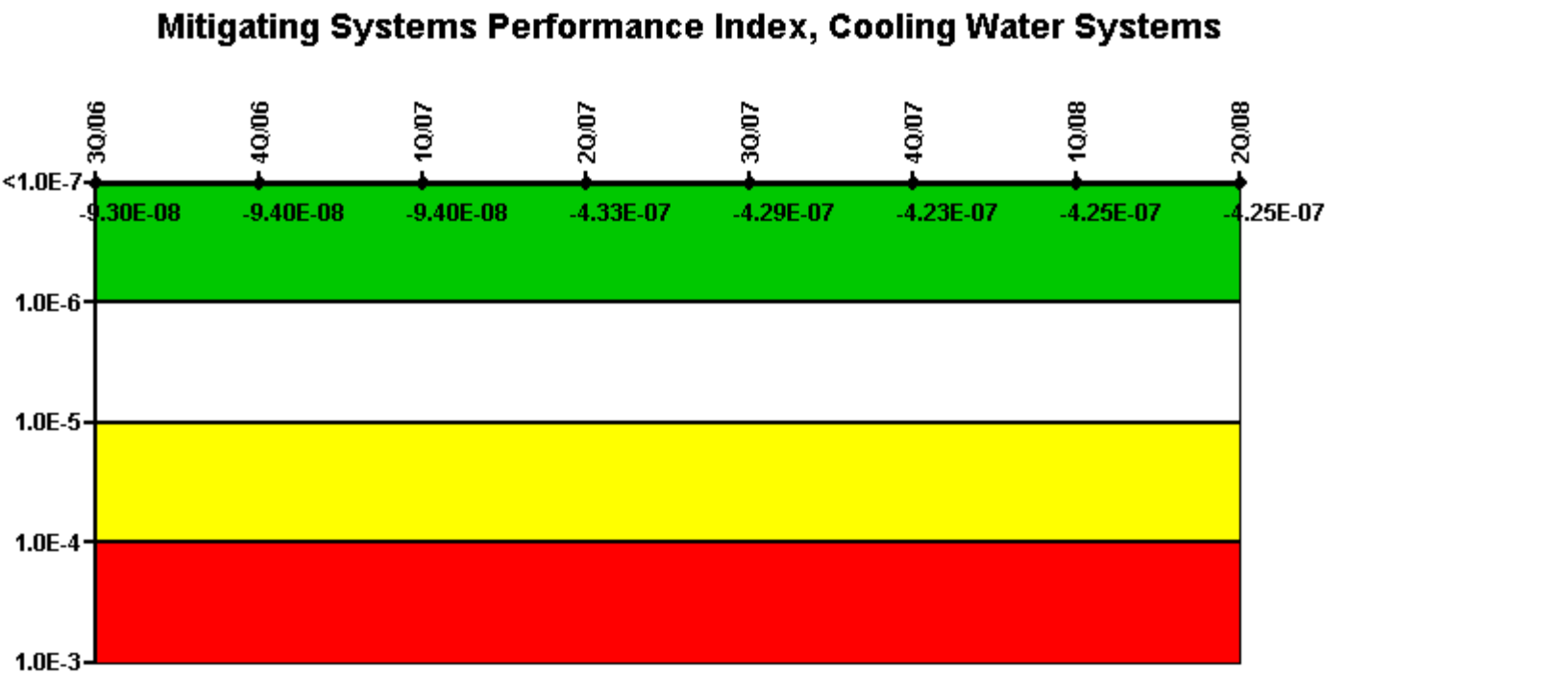


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-6.80E-08	-2.10E-08
URI (ΔCDF)	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.50E-08	6.20E-08

Licensee Comments: none



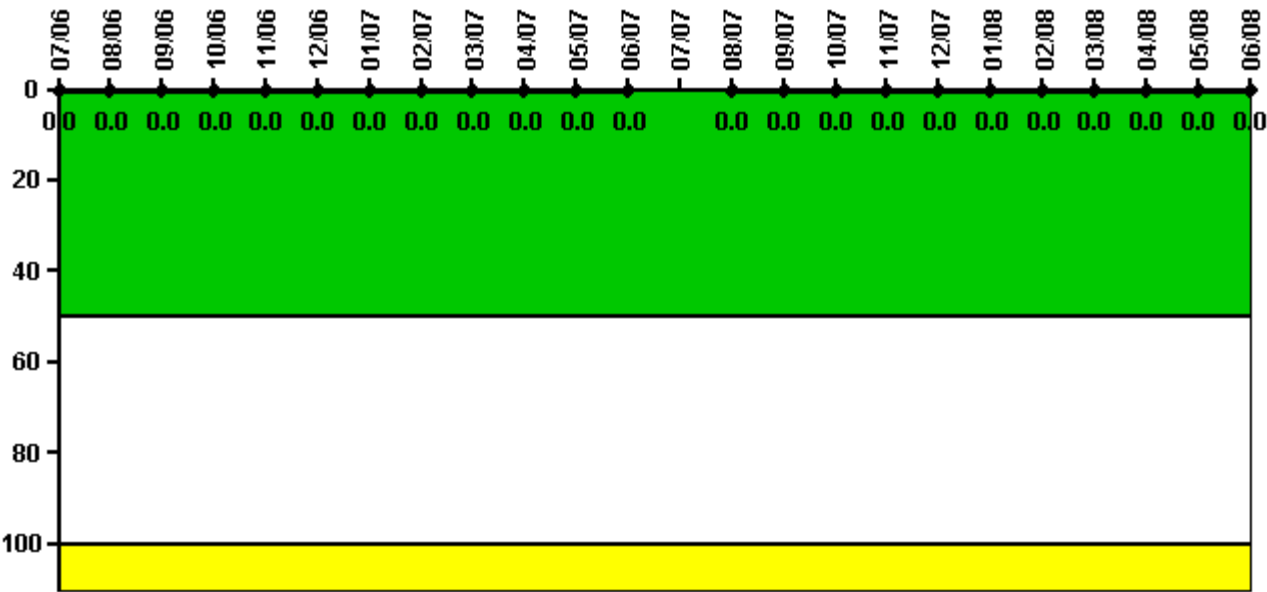
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-5.70E-08	-5.80E-08	-5.80E-08	-8.30E-08	-7.90E-08	-7.30E-08	-7.50E-08	-7.50E-08
URI (ΔCDF)	-3.60E-08	-3.60E-08	-3.60E-08	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.30E-08	-9.40E-08	-9.40E-08	-4.33E-07	-4.29E-07	-4.23E-07	-4.25E-07	-4.25E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

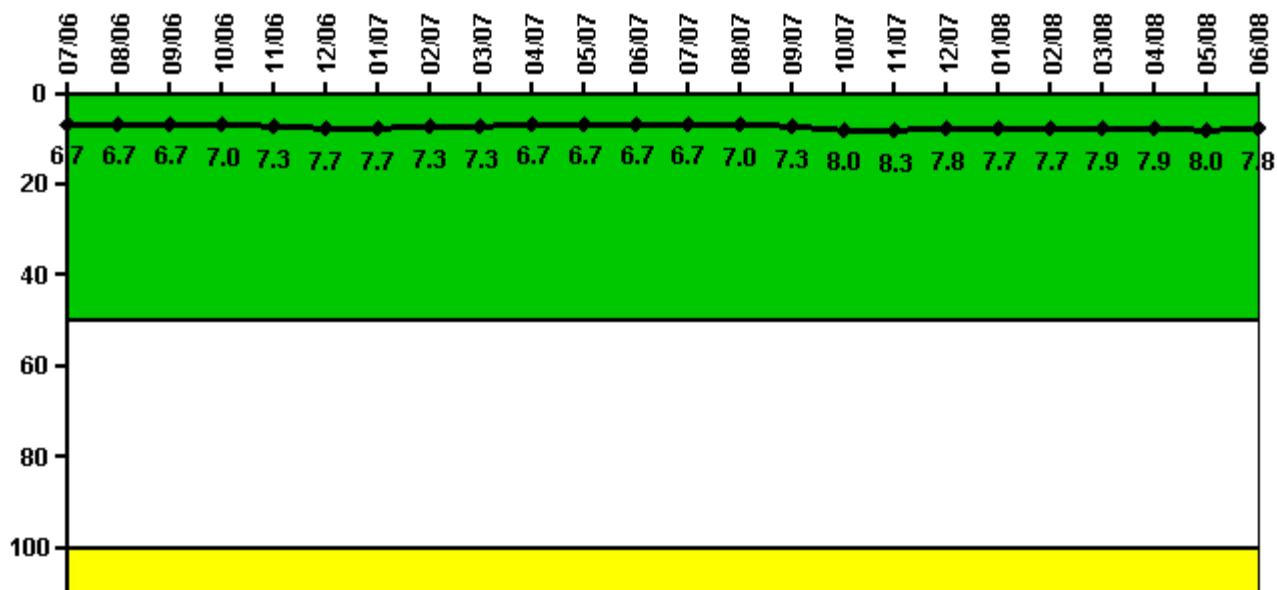
Notes

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	0.000037	0.000044	0.000043	0.000048	0.000035	0.000041	0.000047	0.000043	0.000046	0.000009	0.000016	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	N/A	0.000014	0.000015	0.000016	0.000017	0.000017	0.000017	0.000018	0.000018	0.000024	0.000023	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



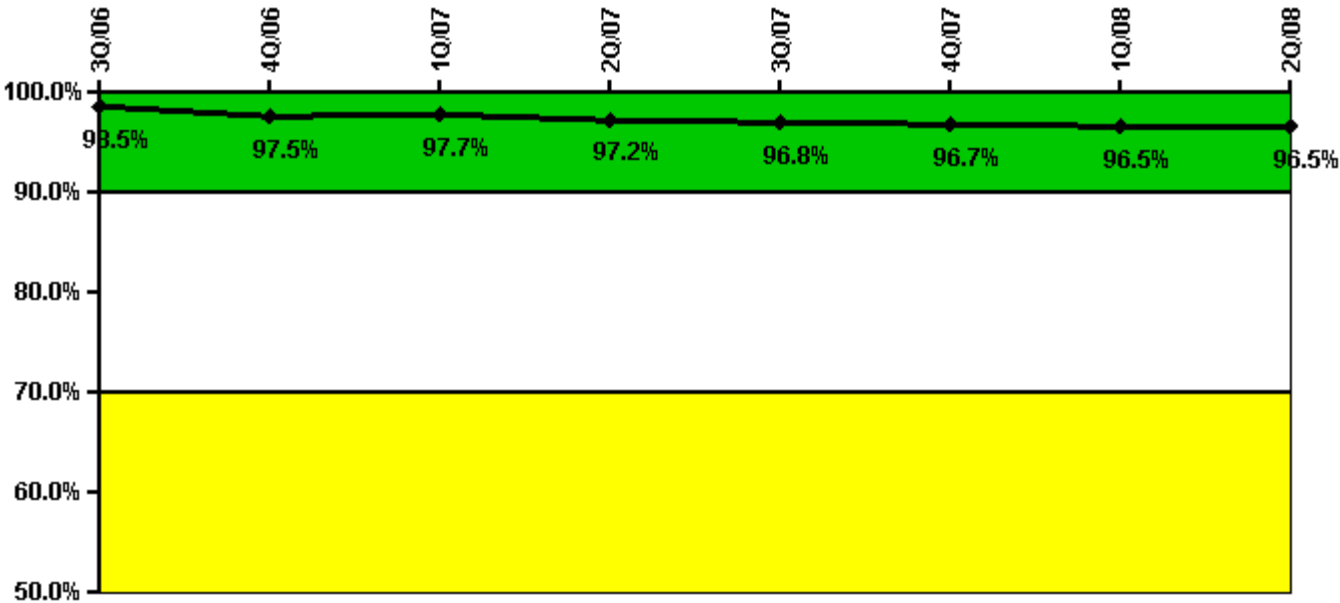
Thresholds: White > 50.0 Yellow > 100.0

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	2.000	2.000	2.000	2.100	2.200	2.300	2.300	2.200	2.200	2.000	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.7	6.7	7.0	7.3	7.7	7.7	7.3	7.3	6.7	6.7	6.7
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	2.000	2.100	2.200	2.400	2.500	2.340	2.320	2.310	2.380	2.370	2.410	2.340
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	7.0	7.3	8.0	8.3	7.8	7.7	7.7	7.9	7.9	8.0	7.8

Licensee Comments: none

Drill/Exercise Performance



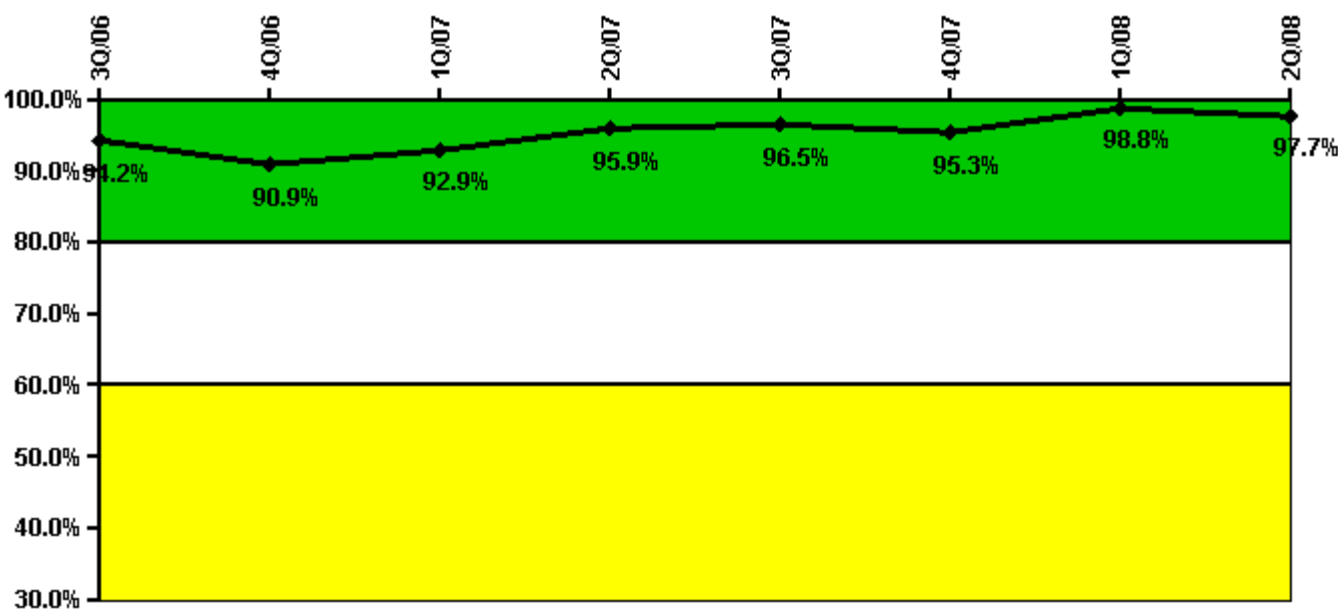
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	24.0	54.0	10.0	19.0	11.0	36.0	16.0	22.0
Total opportunities	26.0	56.0	10.0	20.0	12.0	37.0	16.0	22.0
Indicator value	98.5%	97.5%	97.7%	97.2%	96.8%	96.7%	96.5%	96.5%

Licensee Comments: none

ERO Drill Participation



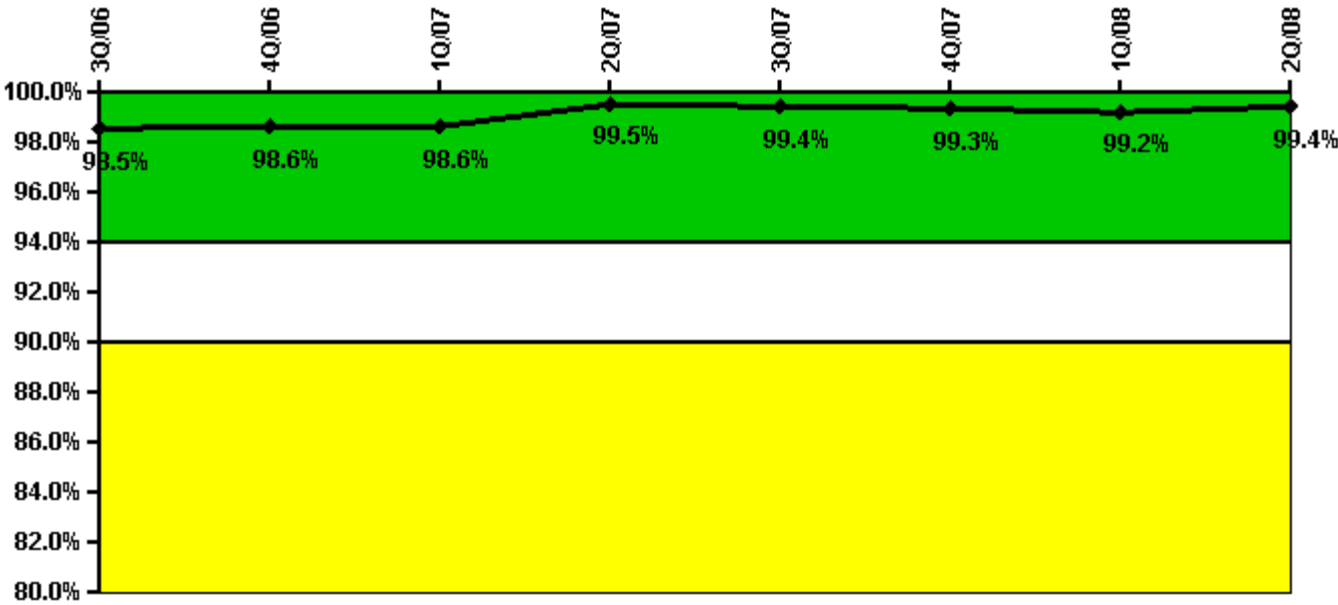
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	162.0	149.0	157.0	162.0	166.0	161.0	168.0	171.0
Total Key personnel	172.0	164.0	169.0	169.0	172.0	169.0	170.0	175.0
Indicator value	94.2%	90.9%	92.9%	95.9%	96.5%	95.3%	98.8%	97.7%

Licensee Comments: none

Alert & Notification System



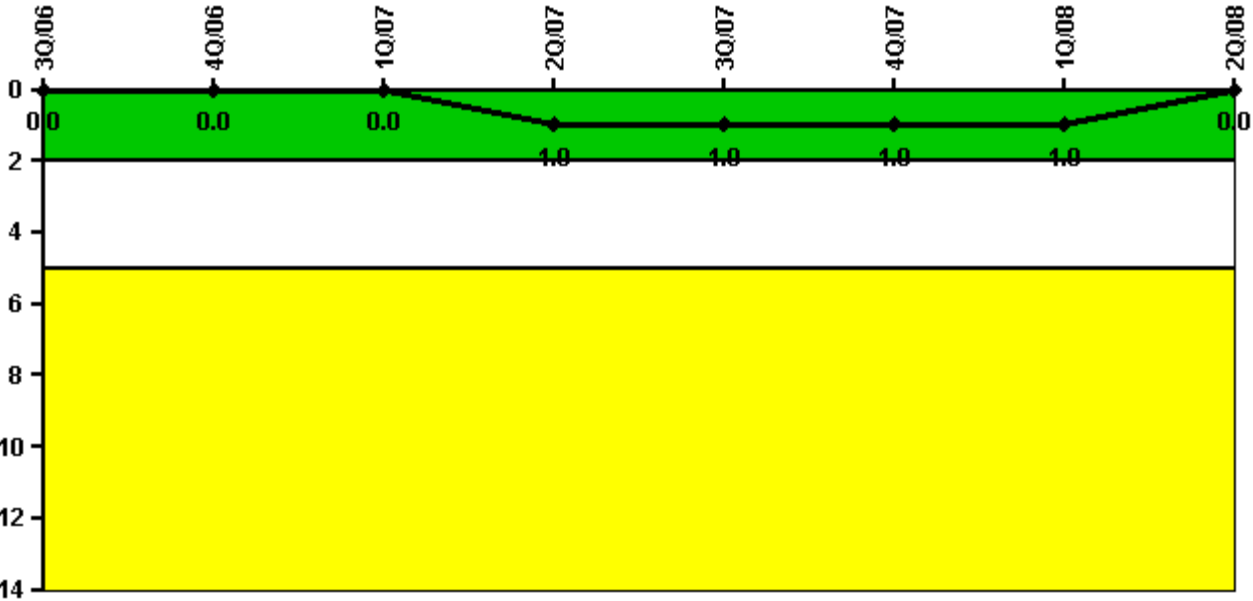
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	531	531	528	527	529	530	601	456
Total sirens-tests	532	532	532	532	532	532	608	456
Indicator value	98.5%	98.6%	98.6%	99.5%	99.4%	99.3%	99.2%	99.4%

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	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	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](#)

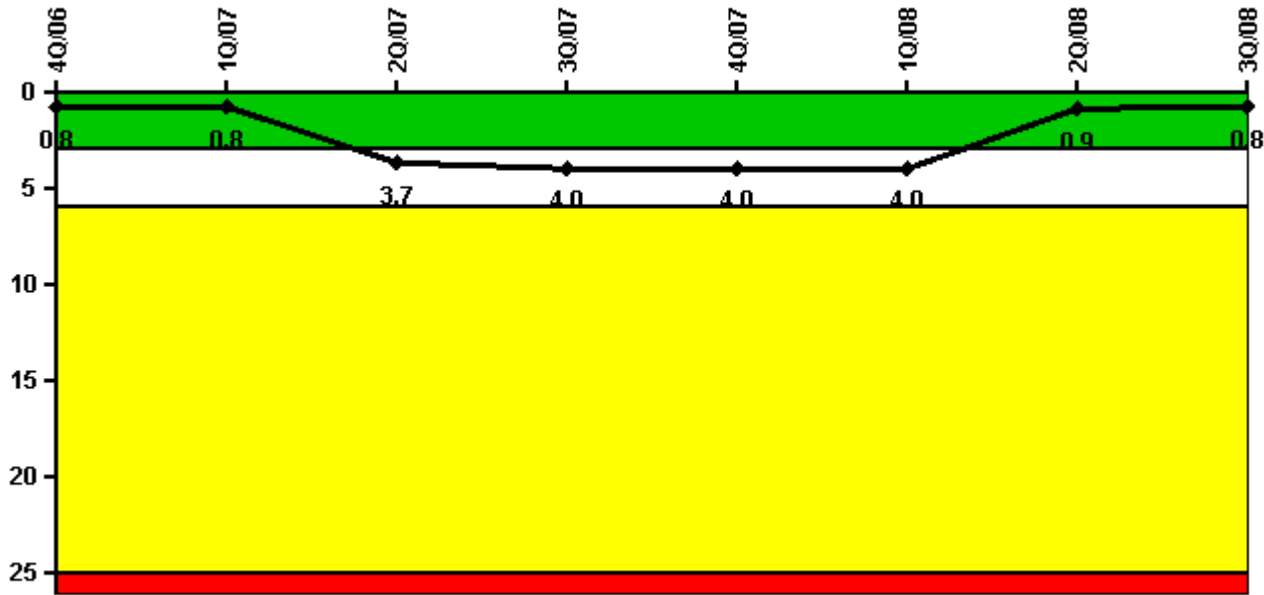
Last Modified: August 4, 2008

Perry 1

3Q/2008 Performance Indicators

Licensee's General Comments: The June 2008, Emergency Response Organization Drill Participation indicator, EP02, was corrected to credit a missed drill participant.

Unplanned Scrams per 7000 Critical Hrs



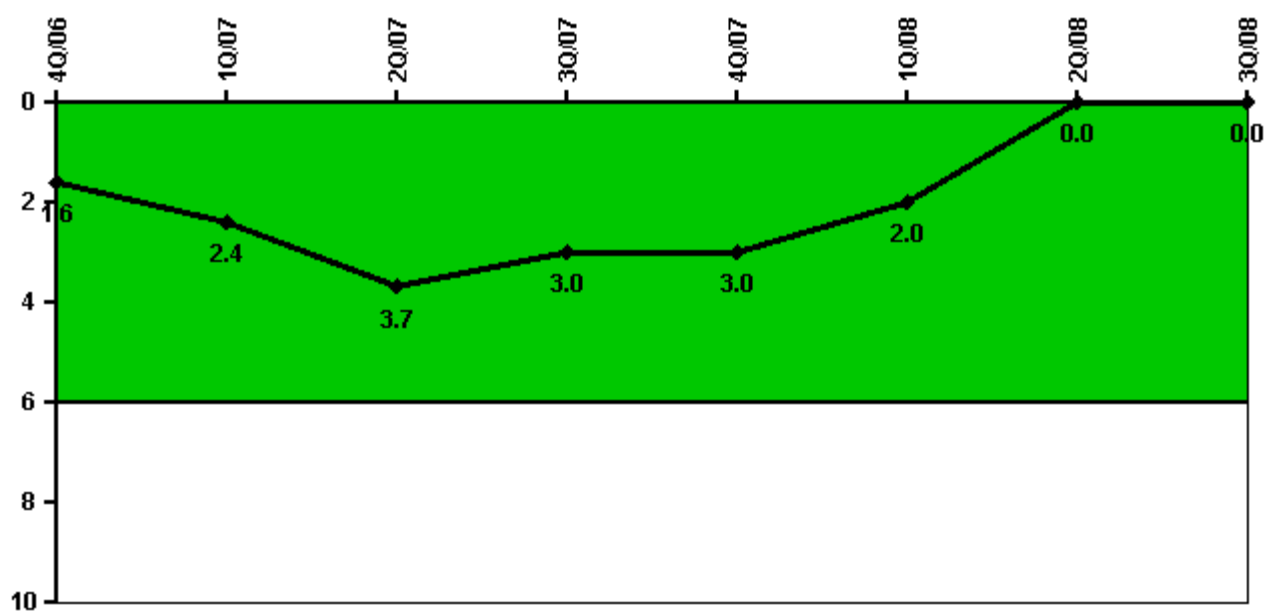
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	3.0	0	1.0	0	0	0
Critical hours	2080.3	2159.0	1106.2	1659.2	2000.8	2183.0	2000.9	2208.0
Indicator value	0.8	0.8	3.7	4.0	4.0	4.0	0.9	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



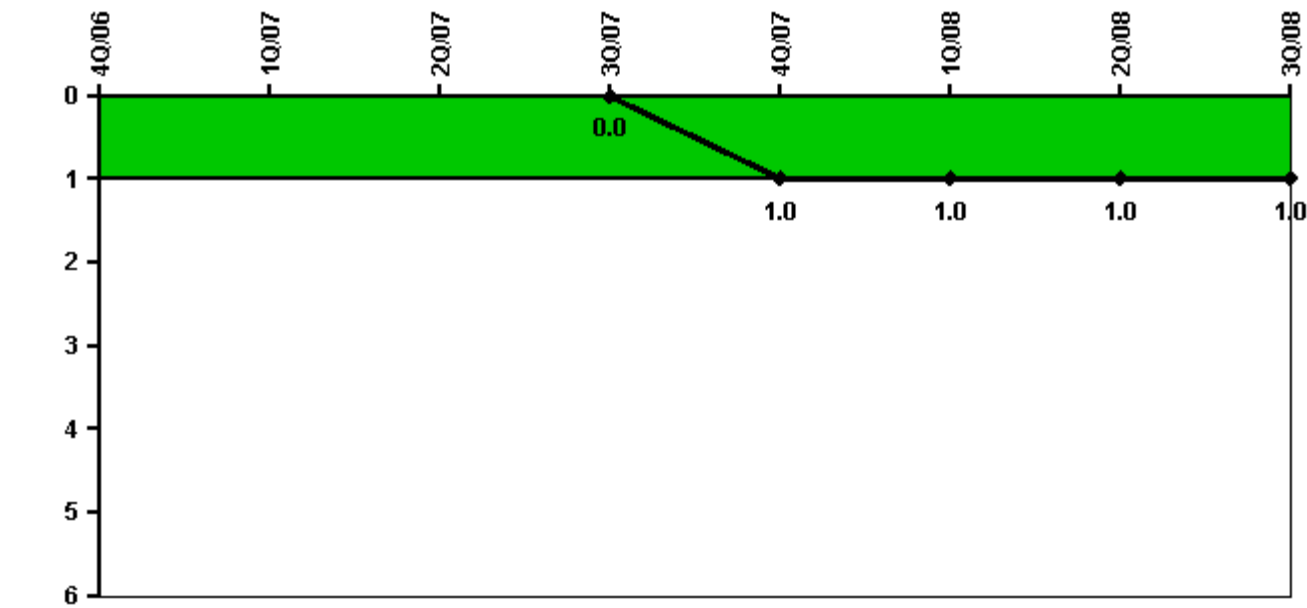
Thresholds: White > 6.0

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	1.0	2.0	0	0	0	0	0
Critical hours	2080.3	2159.0	1106.2	1659.2	2000.8	2183.0	2000.9	2208.0
Indicator value	1.6	2.4	3.7	3.0	3.0	2.0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



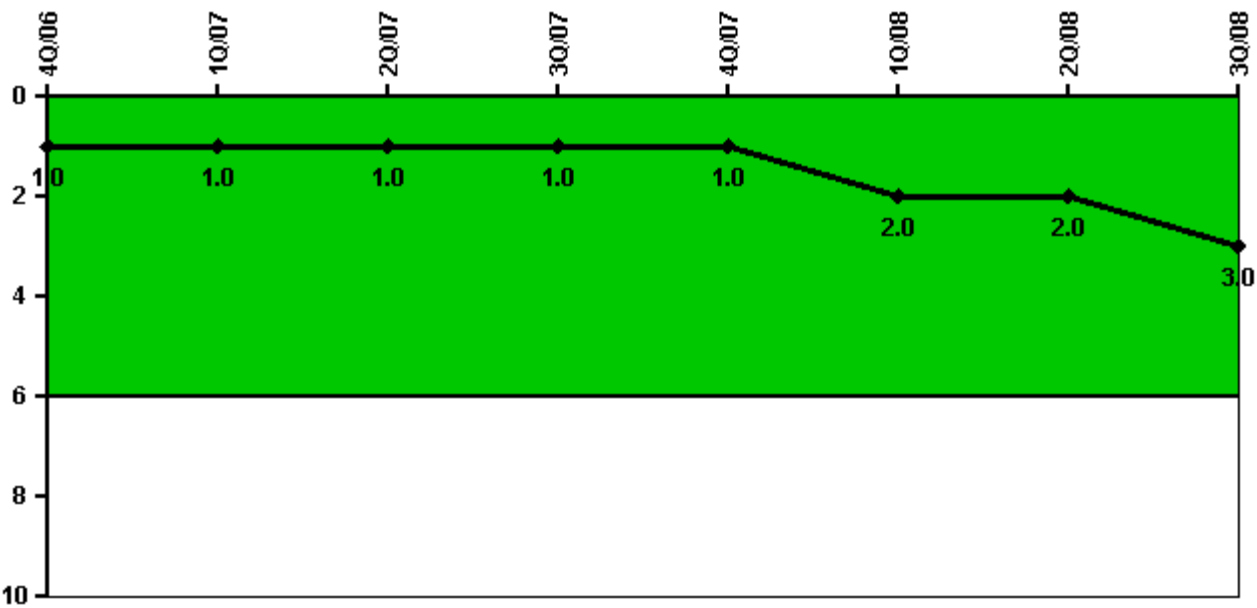
Thresholds: White > 1.0

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	1.0	0	0	0
Indicator value				0.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Safety System Functional Failures	1	0	0	0	1	1	0	1
Indicator value	1	1	1	1	1	2	2	3

Licensee Comments:

3Q/08: LER 2008-003

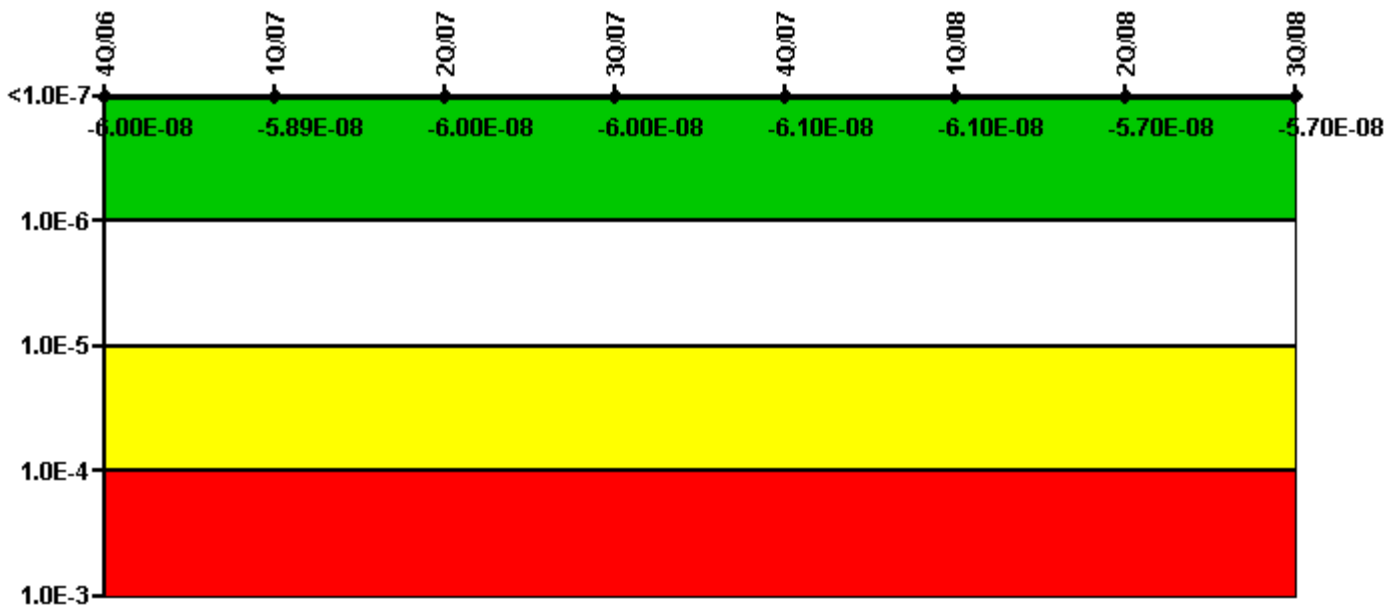
Figure 10 is a log-linear plot showing the error of the numerical solution for the 2D Poisson problem. The y-axis is logarithmic, ranging from $1.0E-3$ to $<1.0E-7$. The x-axis shows time steps from 4Q/06 to 3Q/08. The plot is divided into three horizontal bands: green (top), yellow (middle), and red (bottom). The error decreases as the time step decreases, following a slope of approximately 1.25.

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 (ΔCDF)	5.60E-08	4.90E-08	5.80E-08	7.00E-08	9.80E-08	4.90E-08	4.90E-08	4.70E-08
URI (ΔCDF)	6.50E-07	1.20E-06	1.20E-06	1.00E-06	1.00E-06	6.10E-07	6.10E-07	6.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.06E-07	1.25E-06	1.26E-06	1.07E-06	1.10E-06	6.59E-07	6.59E-07	6.57E-07

3Q/08: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



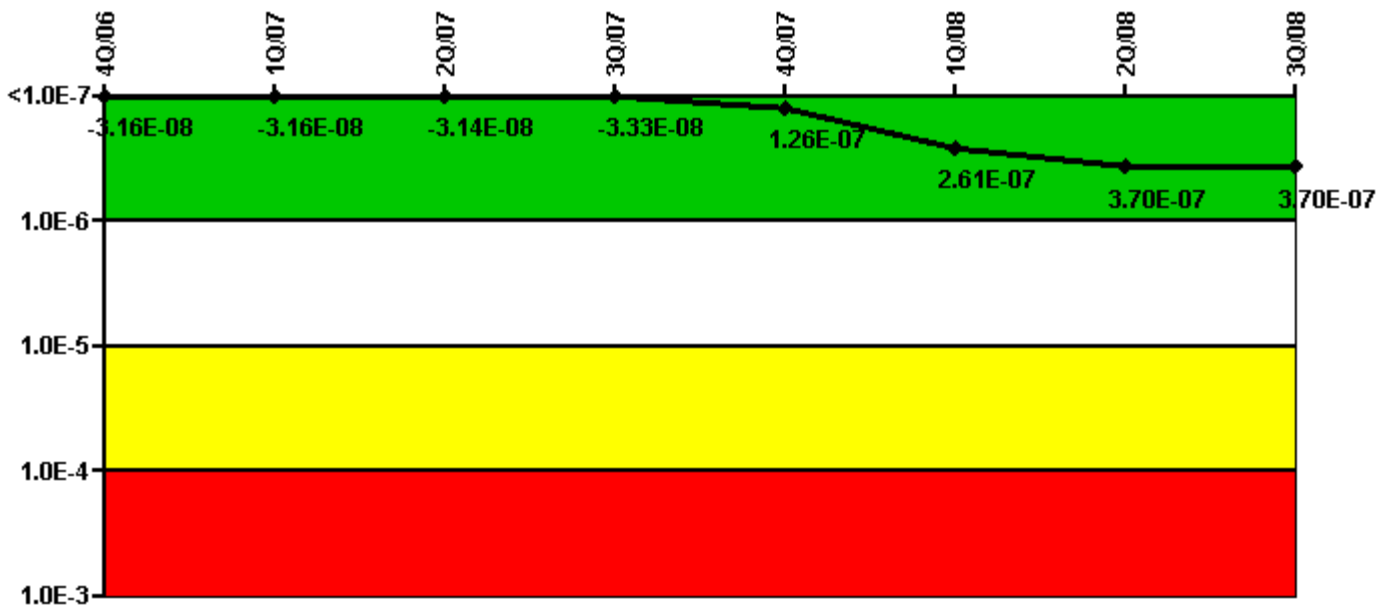
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-4.00E-09	-2.90E-09	-4.00E-09	-4.00E-09	-4.00E-09	-4.00E-09	1.20E-12	1.20E-12
URI (ΔCDF)	-5.60E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-08	-5.89E-08	-6.00E-08	-6.00E-08	-6.10E-08	-6.10E-08	-5.70E-08	-5.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



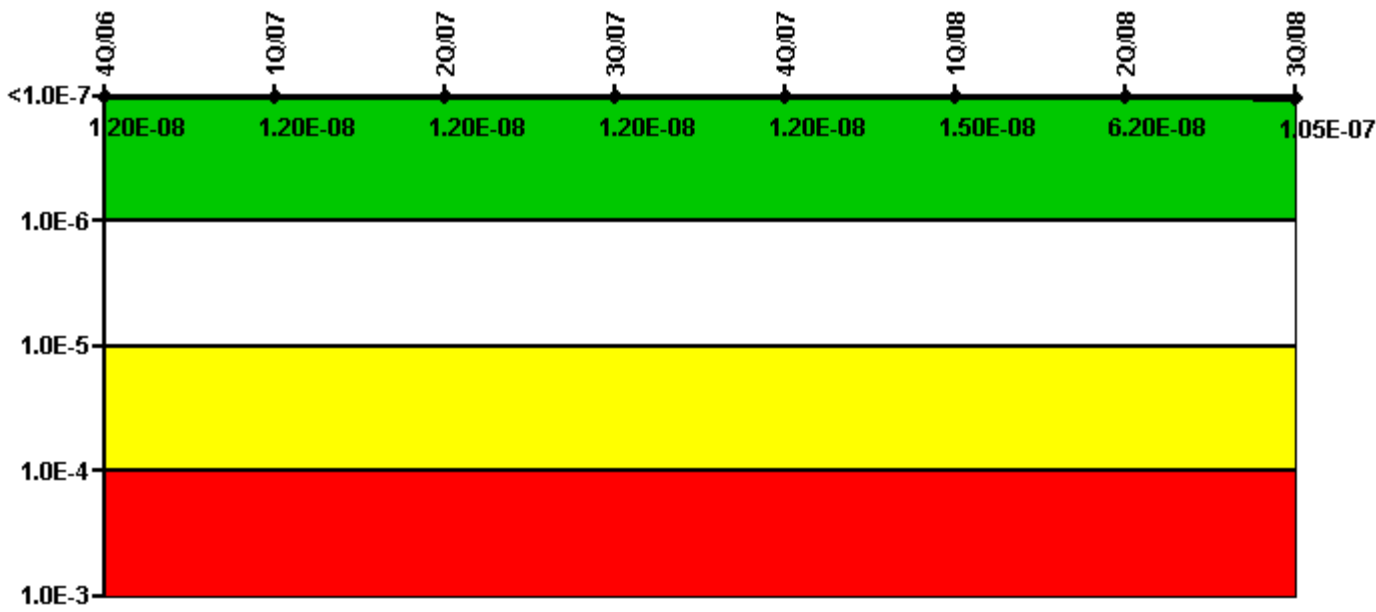
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-3.60E-09	-3.60E-09	-3.40E-09	-5.30E-09	3.80E-08	5.10E-08	5.00E-08	5.00E-08
URI (ΔCDF)	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	8.80E-08	2.10E-07	3.20E-07	3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.16E-08	-3.16E-08	-3.14E-08	-3.33E-08	1.26E-07	2.61E-07	3.70E-07	3.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



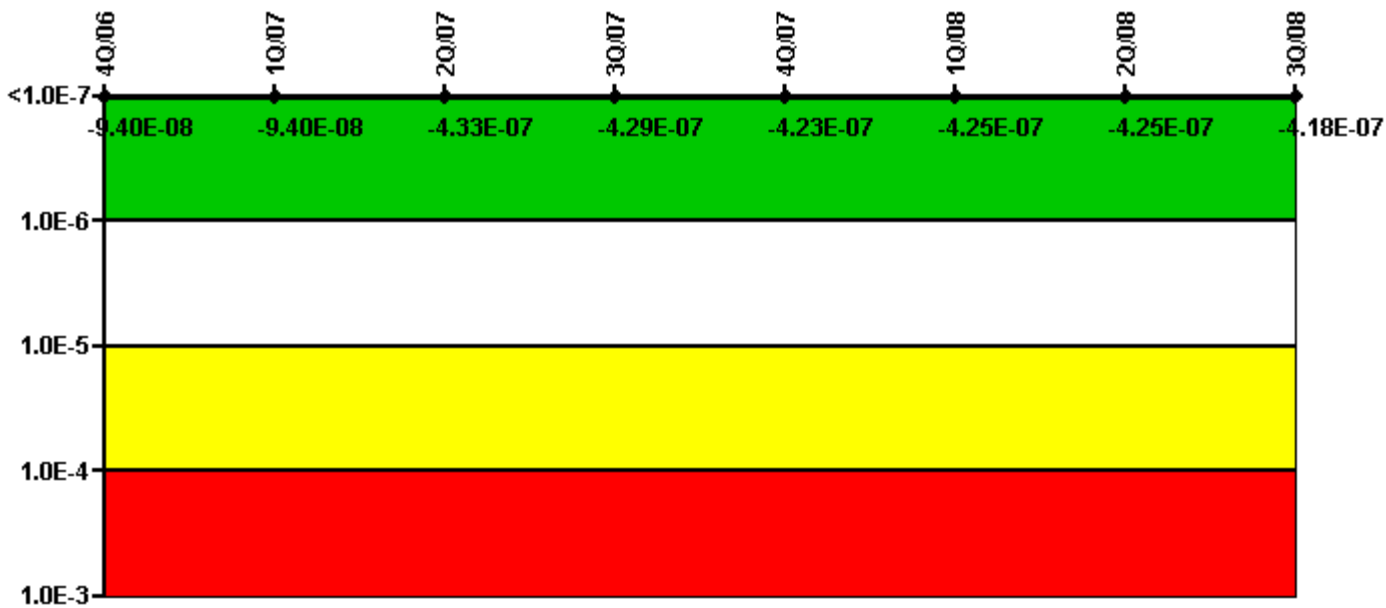
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-6.80E-08	-2.10E-08	2.20E-08
URI (ΔCDF)	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.50E-08	6.20E-08	1.05E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



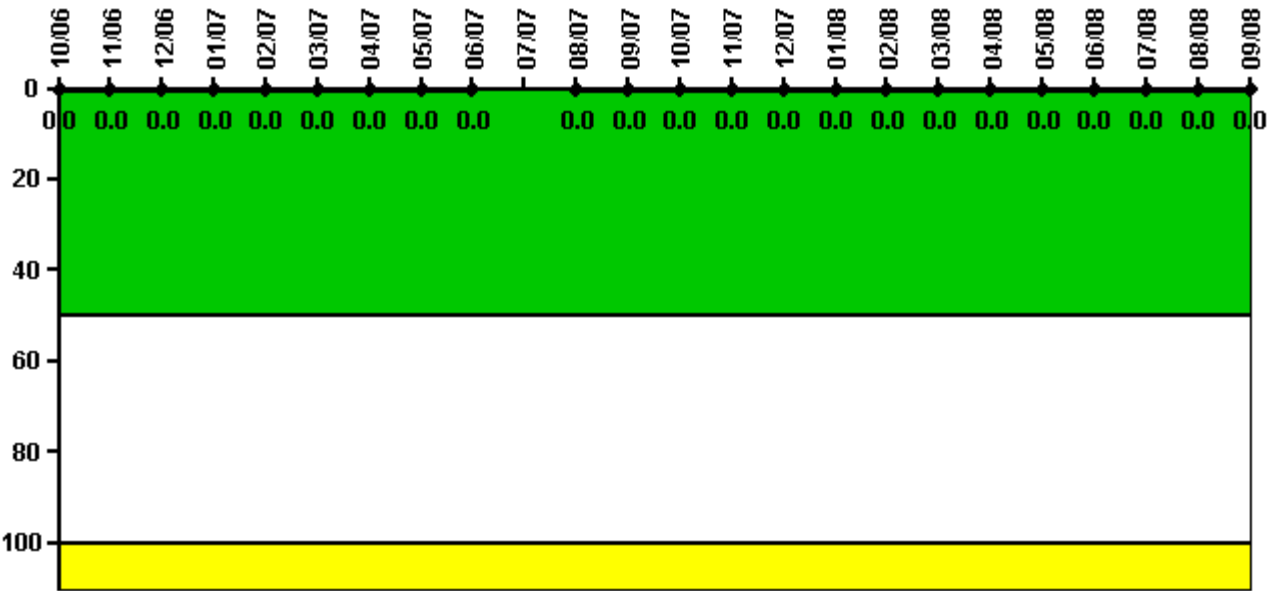
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-5.80E-08	-5.80E-08	-8.30E-08	-7.90E-08	-7.30E-08	-7.50E-08	-7.50E-08	-6.80E-08
URI (ΔCDF)	-3.60E-08	-3.60E-08	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.40E-08	-9.40E-08	-4.33E-07	-4.29E-07	-4.23E-07	-4.25E-07	-4.25E-07	-4.18E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

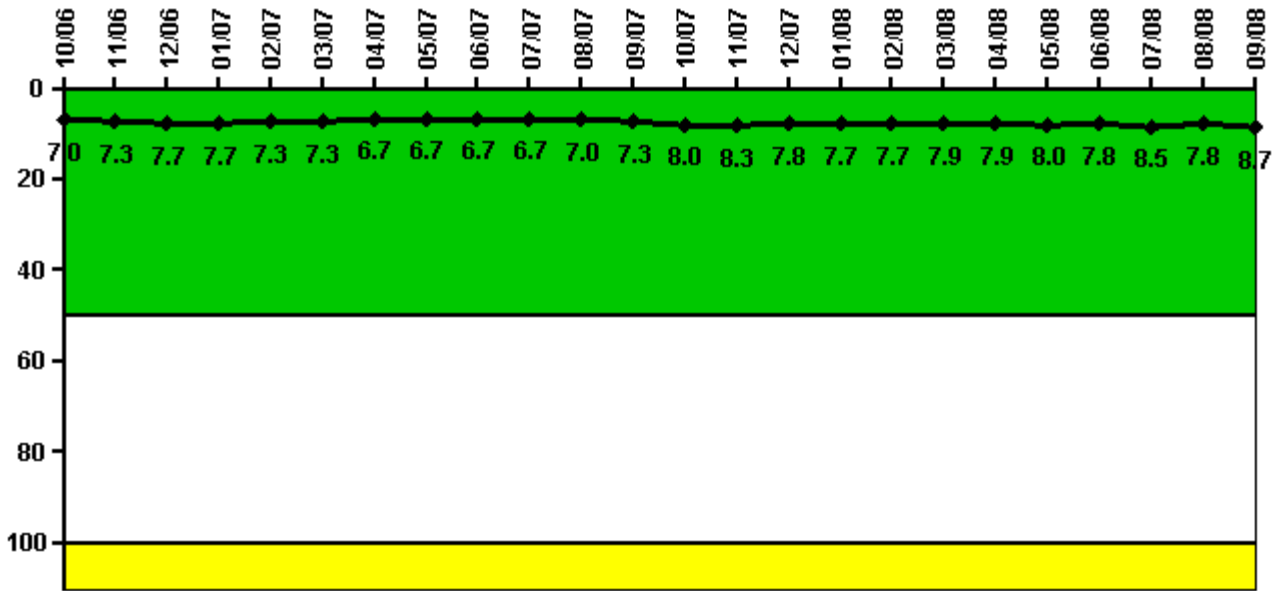
Notes

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	0.000048	0.000035	0.000041	0.000047	0.000043	0.000046	0.000009	0.000016	0.000018	N/A	0.000014	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	N/A	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	0.000016	0.000017	0.000017	0.000017	0.000018	0.000018	0.000024	0.000023	0.000023	0.000021	0.000022	0.000033
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



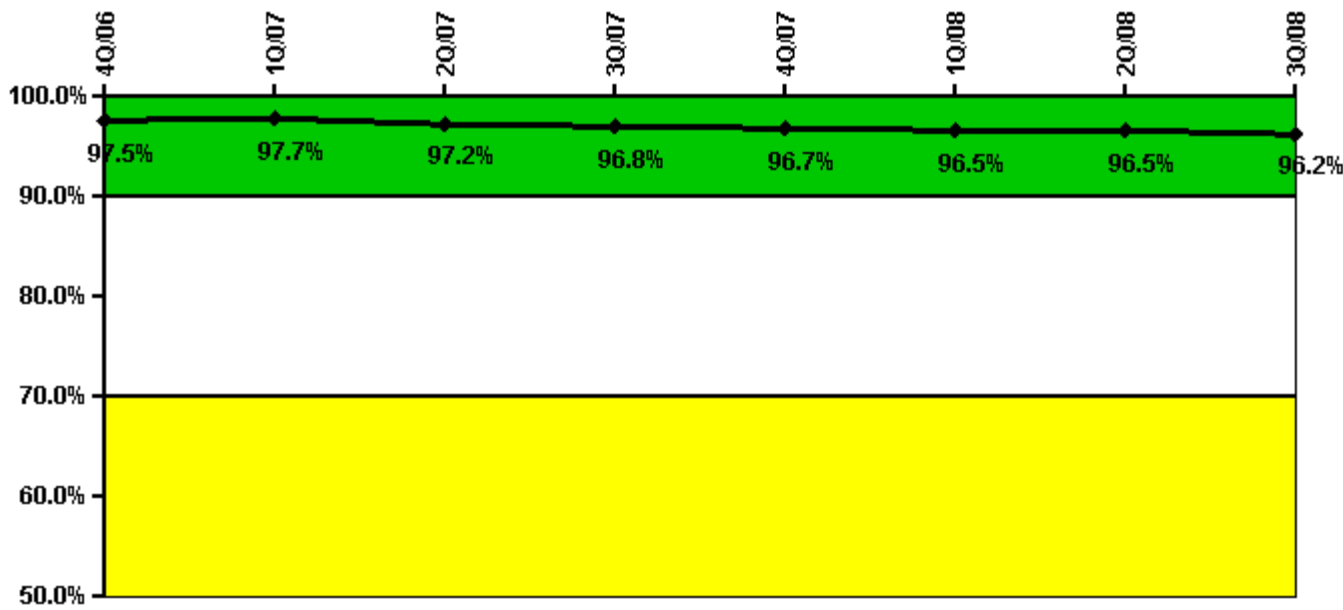
Thresholds: White > 50.0 Yellow > 100.0

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	2.100	2.200	2.300	2.300	2.200	2.200	2.000	2.000	2.000	2.000	2.100	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	7.3	7.7	7.7	7.3	7.3	6.7	6.7	6.7	6.7	7.0	7.3
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	2.400	2.500	2.340	2.320	2.310	2.380	2.370	2.410	2.340	2.540	2.350	2.620
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.0	8.3	7.8	7.7	7.7	7.9	7.9	8.0	7.8	8.5	7.8	8.7

Licensee Comments: none

Drill/Exercise Performance



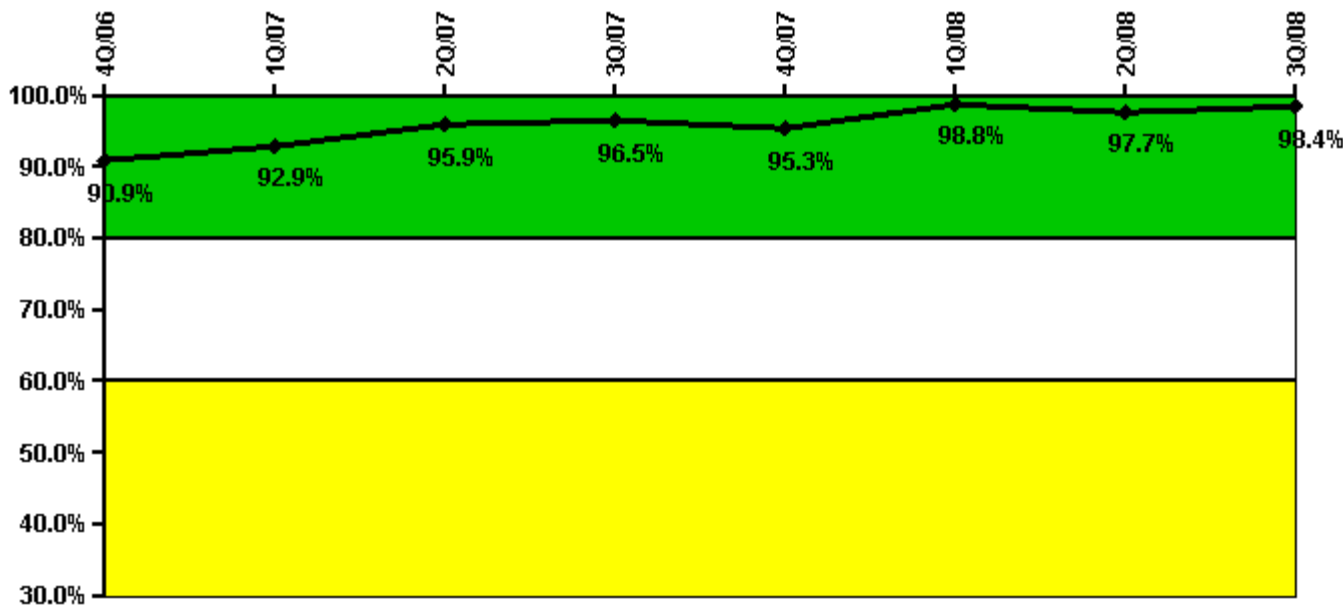
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	54.0	10.0	19.0	11.0	36.0	16.0	22.0	36.0
Total opportunities	56.0	10.0	20.0	12.0	37.0	16.0	22.0	39.0
Indicator value	97.5%	97.7%	97.2%	96.8%	96.7%	96.5%	96.5%	96.2%

Licensee Comments: none

ERO Drill Participation



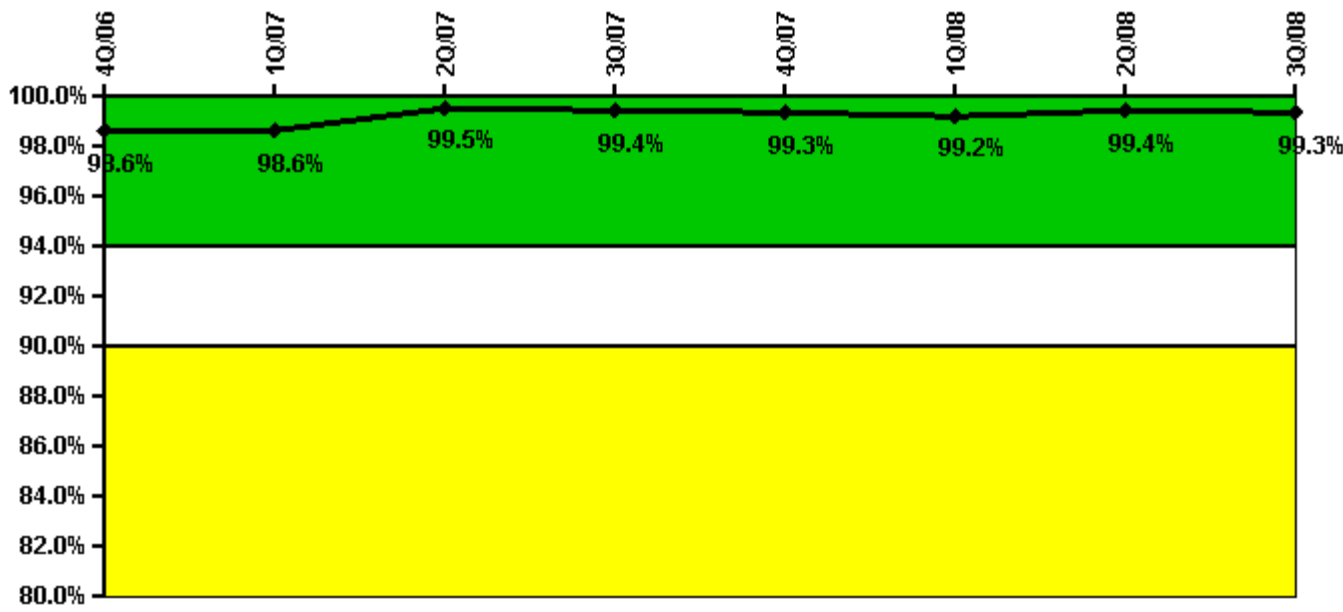
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	149.0	157.0	162.0	166.0	161.0	168.0	172.0	181.0
Total Key personnel	164.0	169.0	169.0	172.0	169.0	170.0	176.0	184.0
Indicator value	90.9%	92.9%	95.9%	96.5%	95.3%	98.8%	97.7%	98.4%

Licensee Comments: none

Alert & Notification System



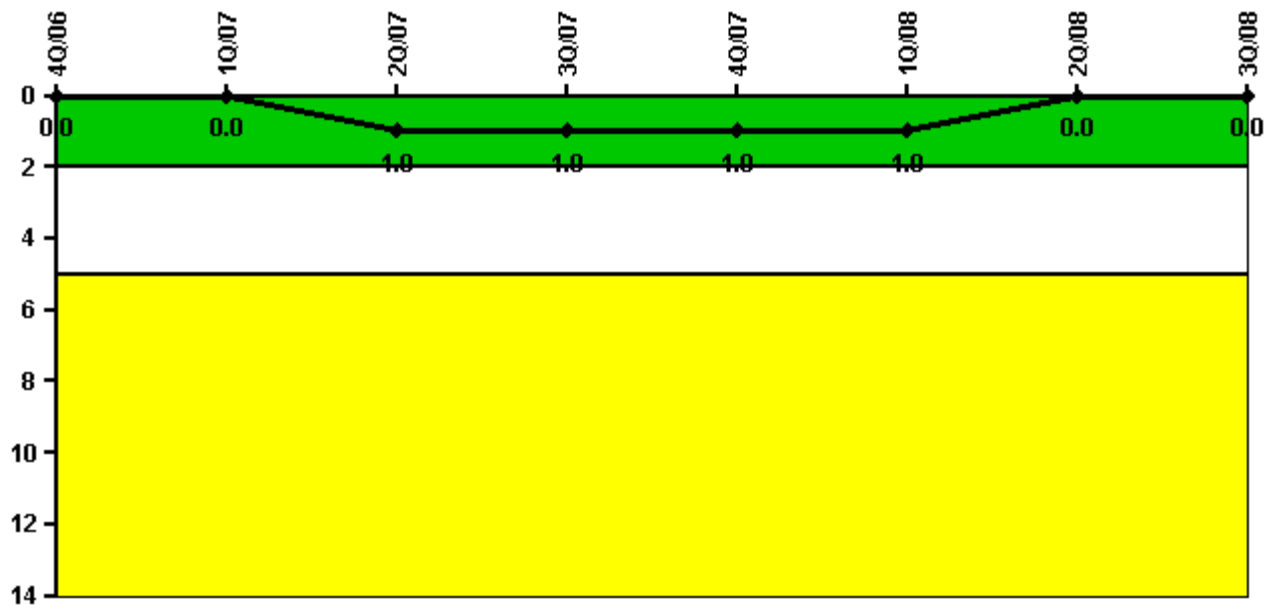
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	531	528	527	529	530	601	456	602
Total sirens-tests	532	532	532	532	532	608	456	608
Indicator value	98.6%	98.6%	99.5%	99.4%	99.3%	99.2%	99.4%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



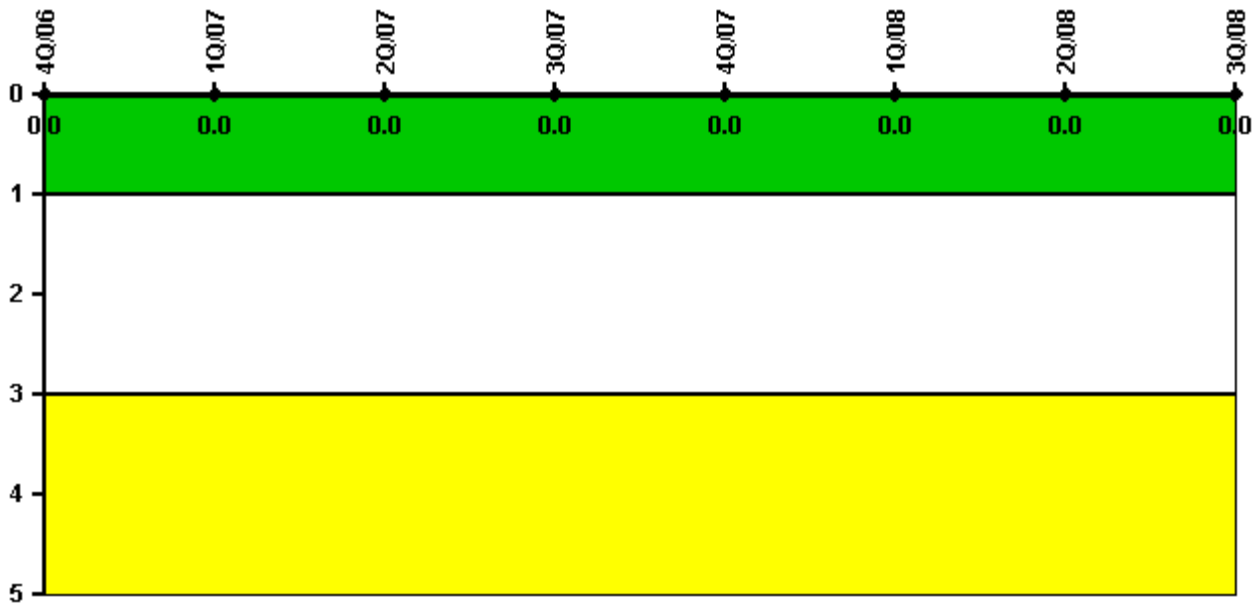
Thresholds: White > 2.0 Yellow > 5.0

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	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	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

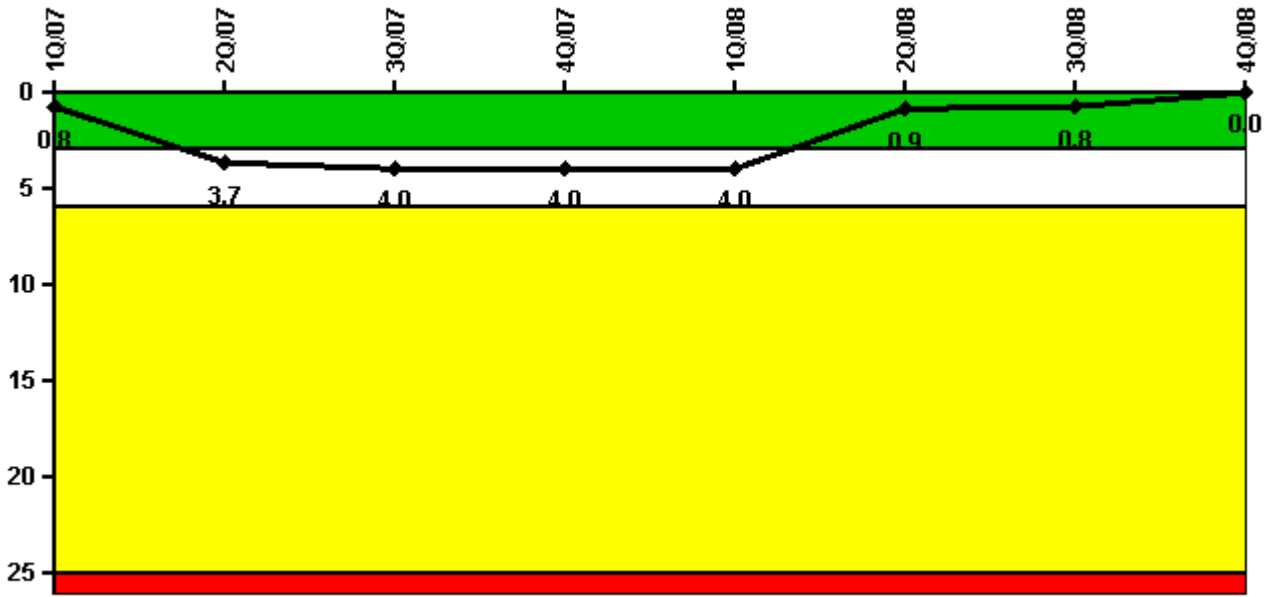
[Security](#) information not publicly available.

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4Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



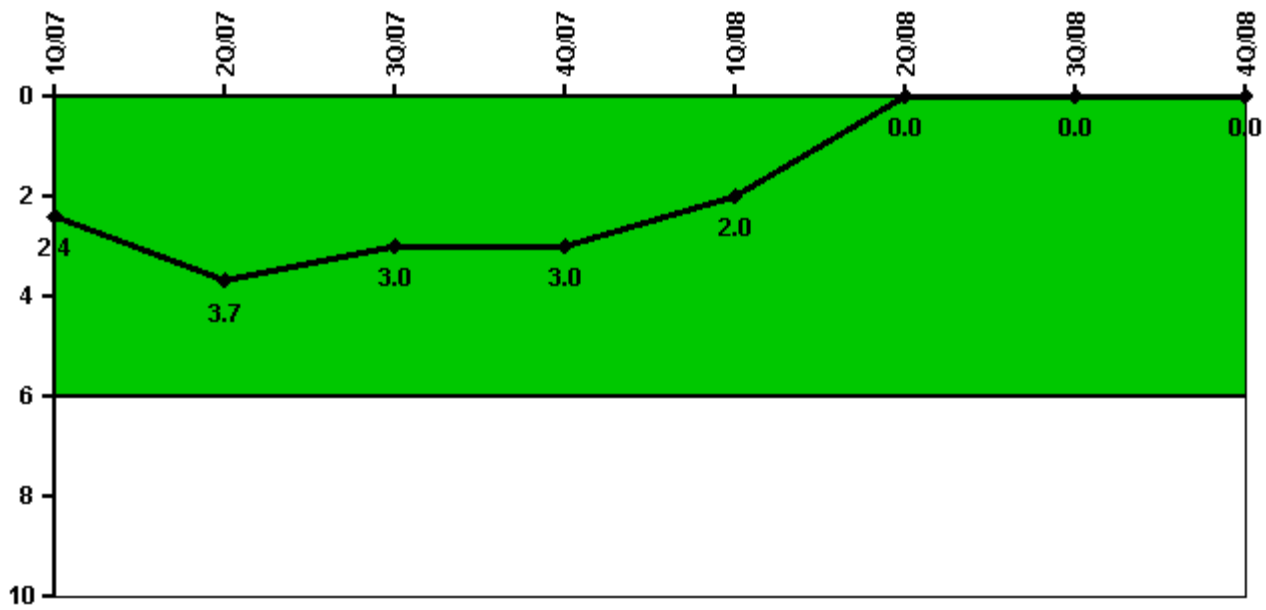
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	3.0	0	1.0	0	0	0	0
Critical hours	2159.0	1106.2	1659.2	2000.8	2183.0	2000.9	2208.0	2209.0
Indicator value	0.8	3.7	4.0	4.0	4.0	0.9	0.8	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



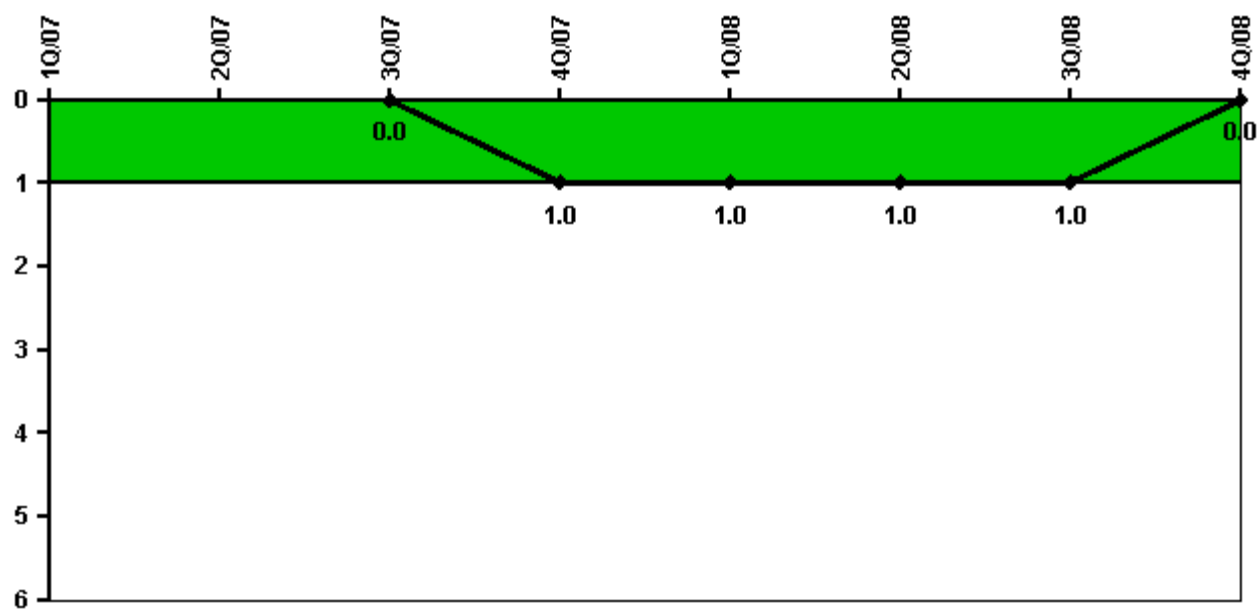
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	1.0	2.0	0	0	0	0	0	0
Critical hours	2159.0	1106.2	1659.2	2000.8	2183.0	2000.9	2208.0	2209.0
Indicator value	2.4	3.7	3.0	3.0	2.0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



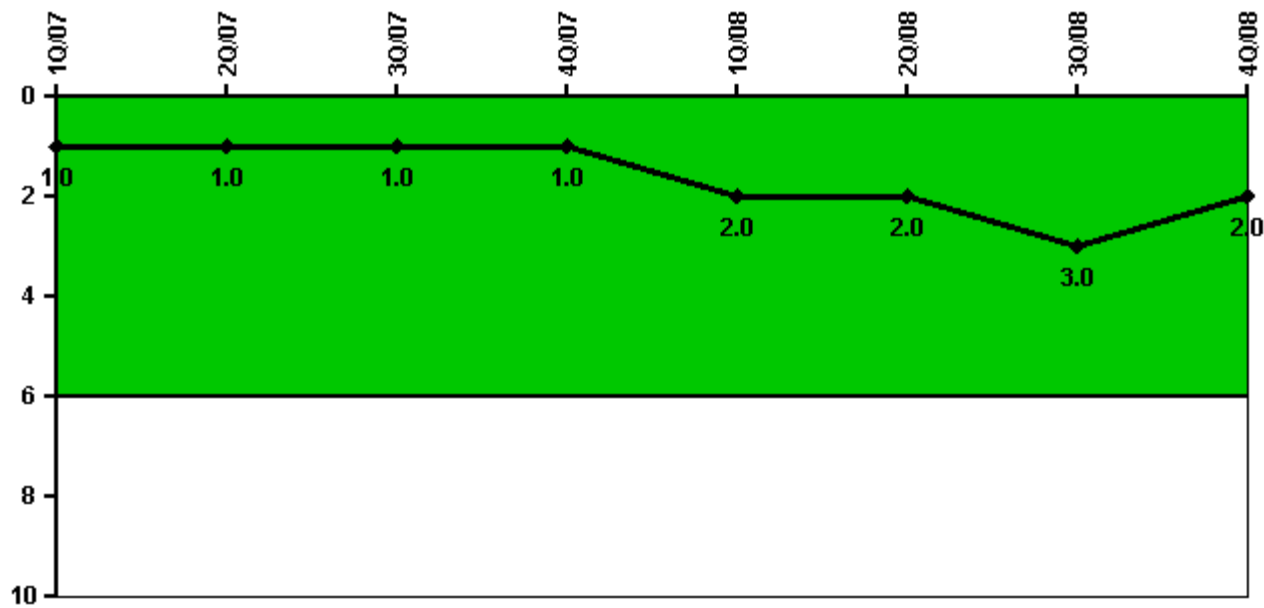
Thresholds: White > 1.0

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	1.0	0	0	0	0
Indicator value			0.0	1.0	1.0	1.0	1.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



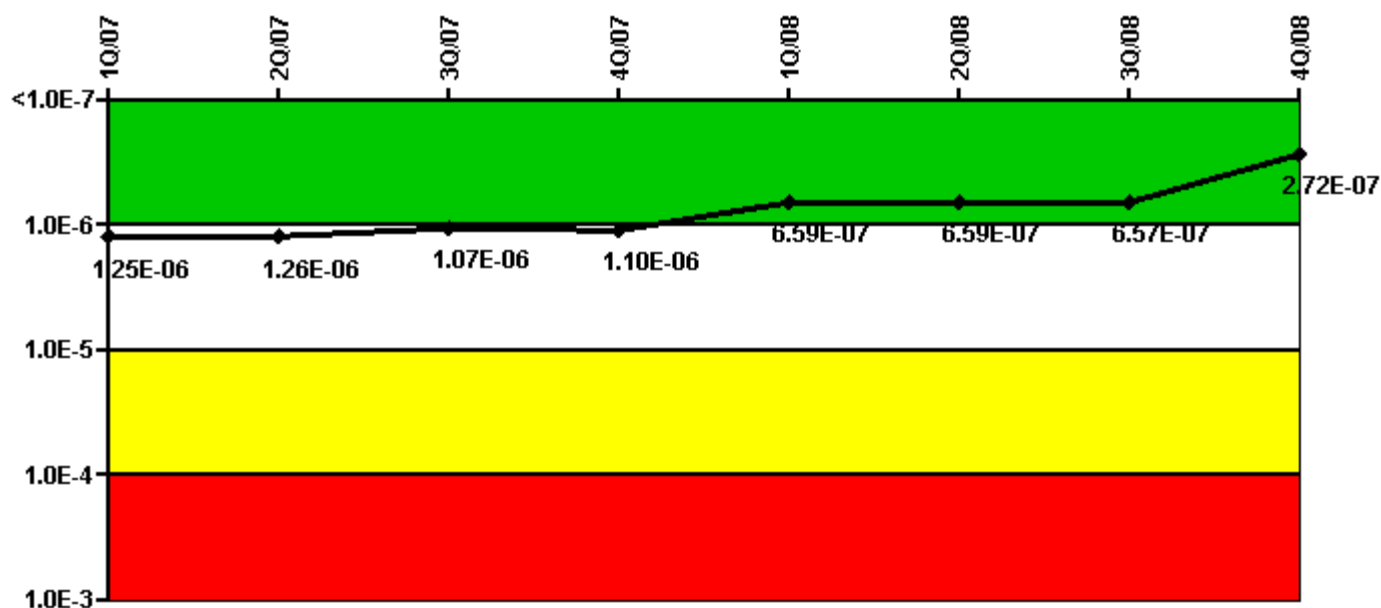
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	0	0	1	1	0	1	0
Indicator value	1	1	1	1	2	2	3	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

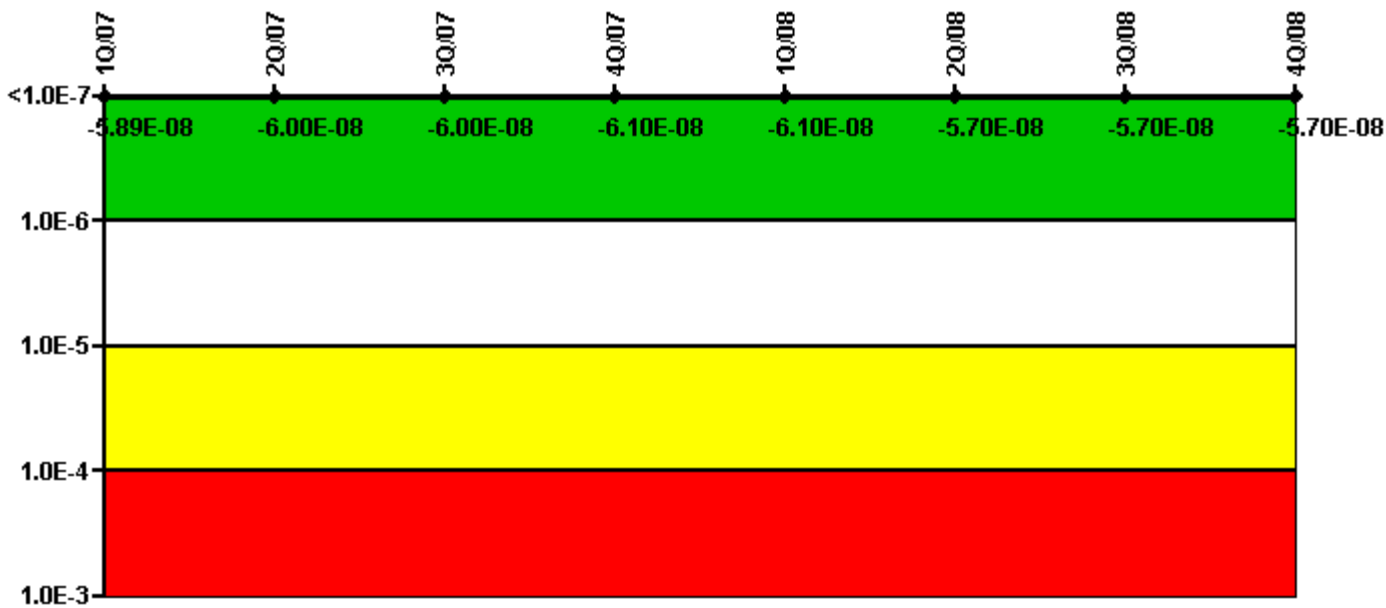
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	4.90E-08	5.80E-08	7.00E-08	9.80E-08	4.90E-08	4.90E-08	4.70E-08	-8.30E-09
URI (ΔCDF)	1.20E-06	1.20E-06	1.00E-06	1.00E-06	6.10E-07	6.10E-07	6.10E-07	2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.25E-06	1.26E-06	1.07E-06	1.10E-06	6.59E-07	6.59E-07	6.57E-07	2.72E-07

Licensee Comments:

4Q/08: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



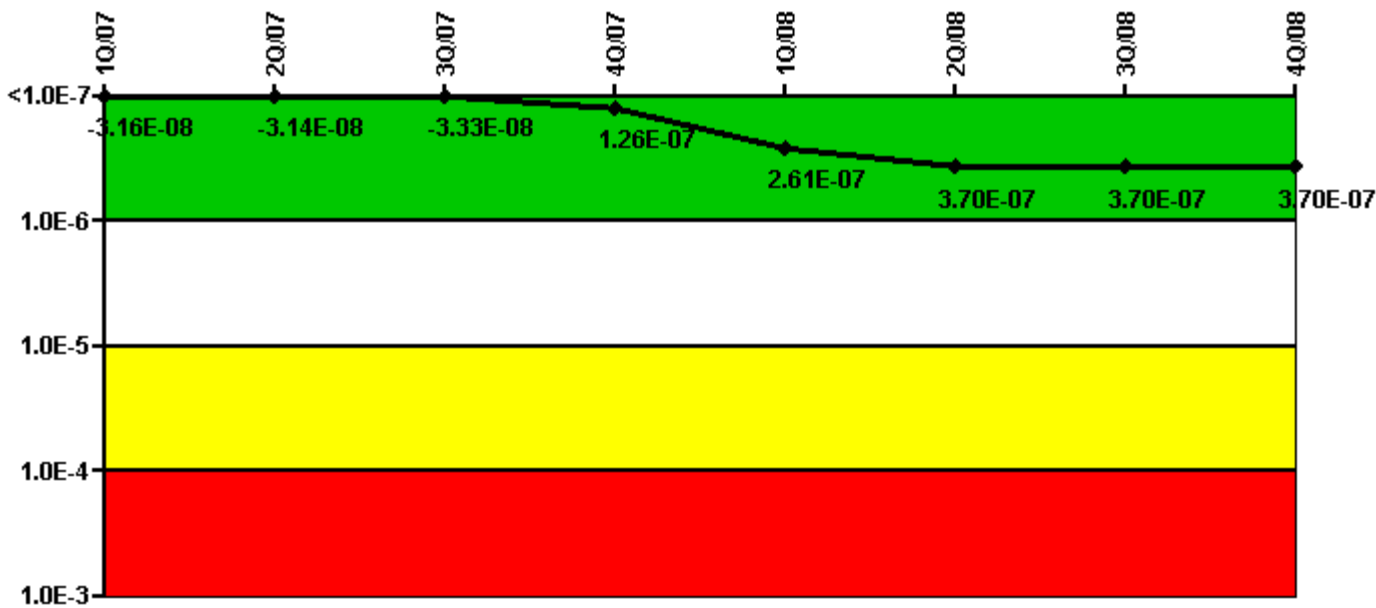
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.90E-09	-4.00E-09	-4.00E-09	-4.00E-09	-4.00E-09	1.20E-12	1.20E-12	1.20E-12
URI (Δ CDF)	-5.60E-08	-5.60E-08	-5.60E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.89E-08	-6.00E-08	-6.00E-08	-6.10E-08	-6.10E-08	-5.70E-08	-5.70E-08	-5.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



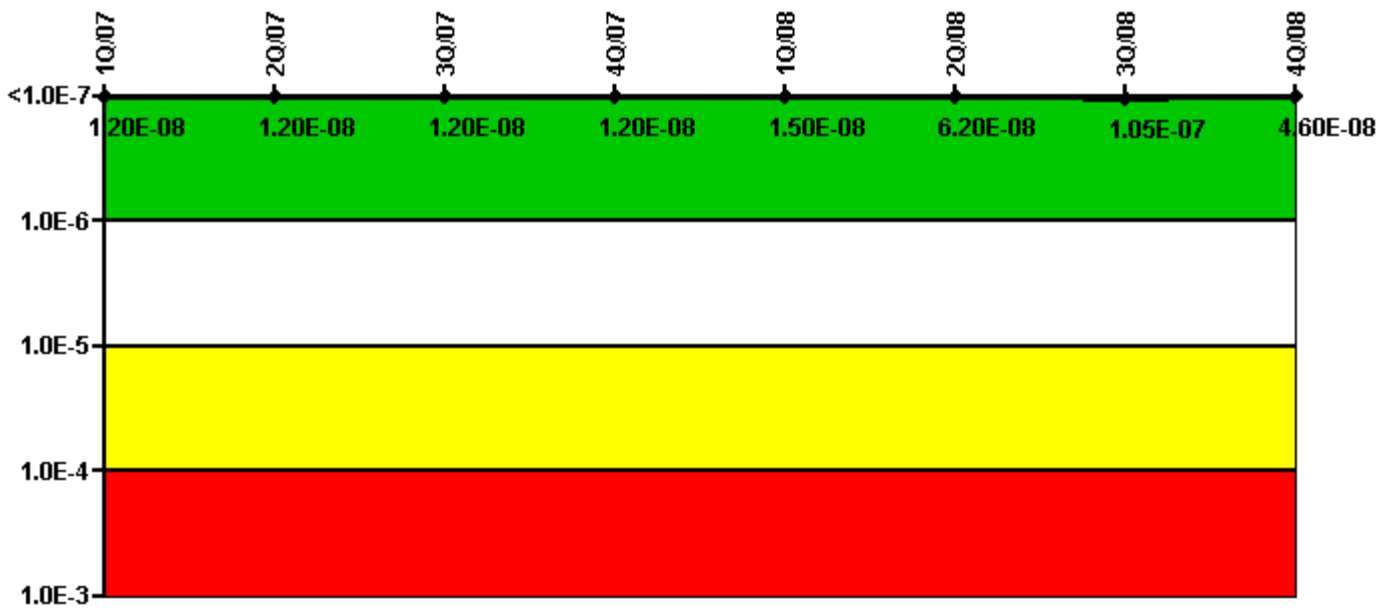
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-3.60E-09	-3.40E-09	-5.30E-09	3.80E-08	5.10E-08	5.00E-08	5.00E-08	5.00E-08
URI (ΔCDF)	-2.80E-08	-2.80E-08	-2.80E-08	8.80E-08	2.10E-07	3.20E-07	3.20E-07	3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.16E-08	-3.14E-08	-3.33E-08	1.26E-07	2.61E-07	3.70E-07	3.70E-07	3.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



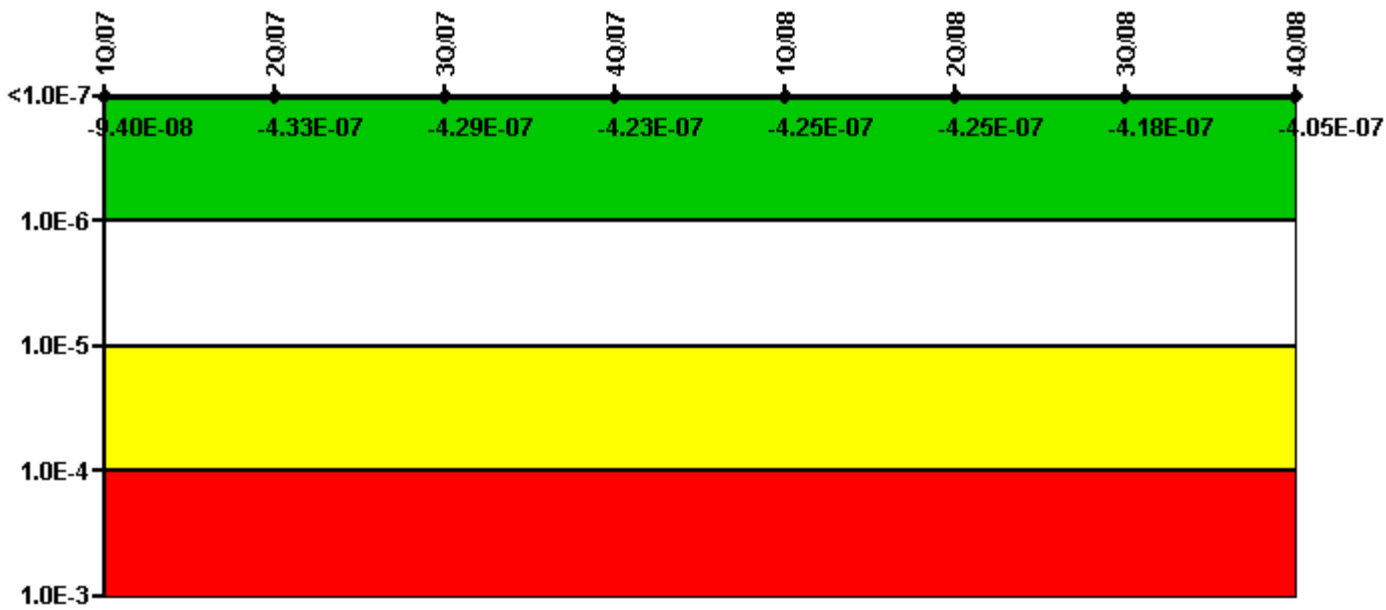
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-6.80E-08	-2.10E-08	2.20E-08	-3.70E-08
URI (ΔCDF)	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.50E-08	6.20E-08	1.05E-07	4.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



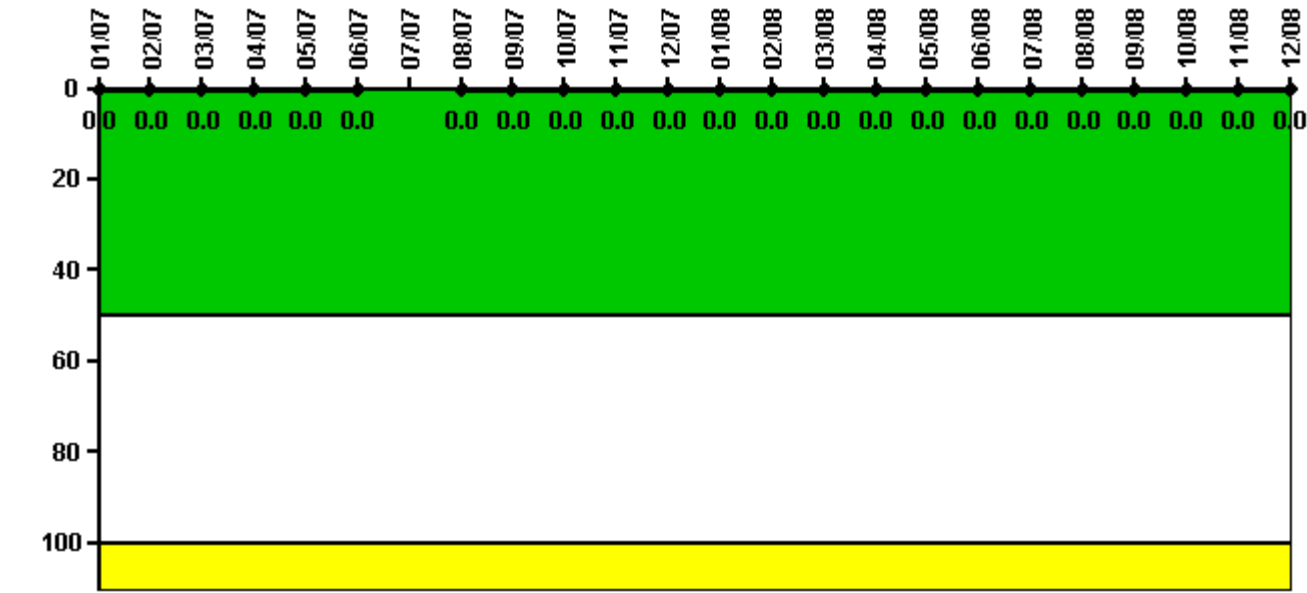
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-5.80E-08	-8.30E-08	-7.90E-08	-7.30E-08	-7.50E-08	-7.50E-08	-6.80E-08	-5.50E-08
URI (ΔCDF)	-3.60E-08	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.40E-08	-4.33E-07	-4.29E-07	-4.23E-07	-4.25E-07	-4.25E-07	-4.18E-07	-4.05E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

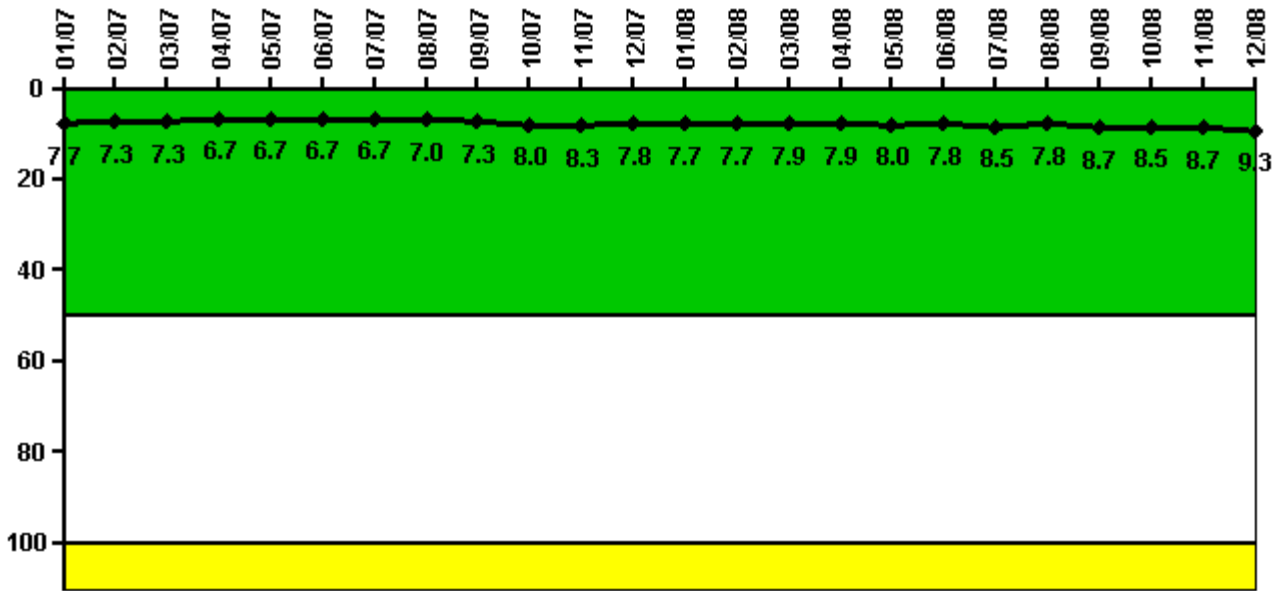
Notes

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	0.000047	0.000043	0.000046	0.000009	0.000016	0.000018	N/A	0.000014	0.000015	0.000016	0.000017	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	N/A	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	0.000017	0.000018	0.000018	0.000024	0.000023	0.000023	0.000021	0.000022	0.000033	0.000030	0.000030	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



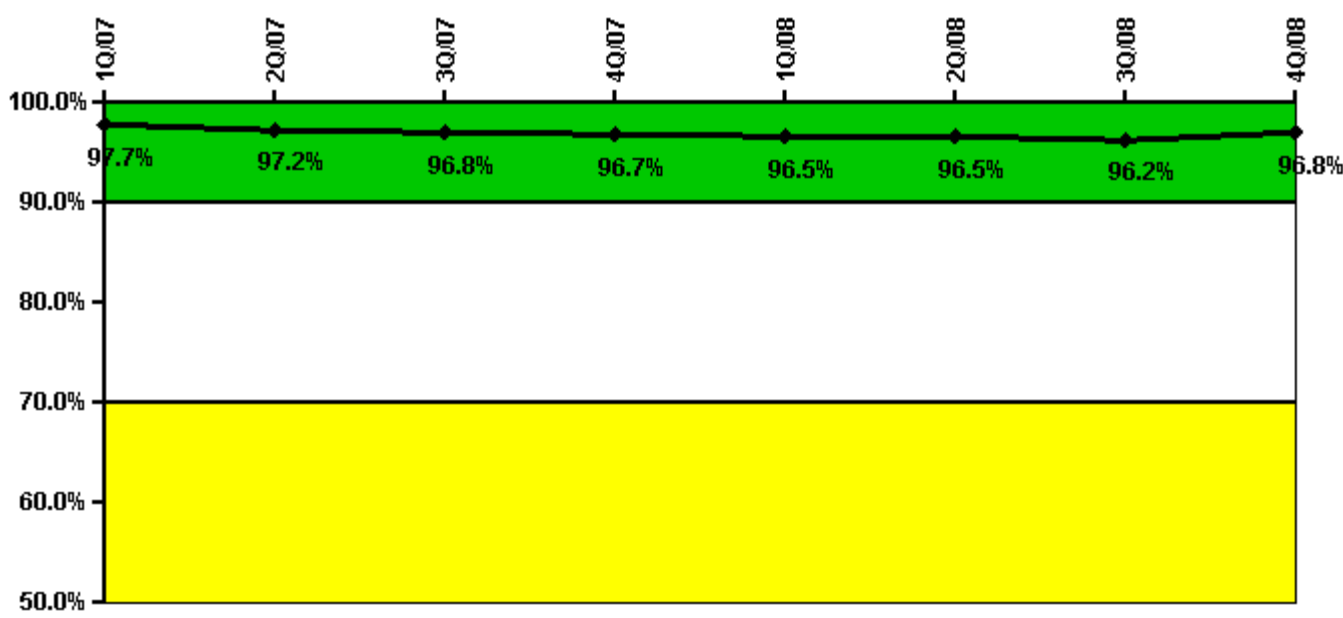
Thresholds: White > 50.0 Yellow > 100.0

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	2.300	2.200	2.200	2.000	2.000	2.000	2.000	2.100	2.200	2.400	2.500	2.340
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.7	7.3	7.3	6.7	6.7	6.7	6.7	7.0	7.3	8.0	8.3	7.8
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	2.320	2.310	2.380	2.370	2.410	2.340	2.540	2.350	2.620	2.560	2.620	2.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.7	7.7	7.9	7.9	8.0	7.8	8.5	7.8	8.7	8.5	8.7	9.3

Licensee Comments: none

Drill/Exercise Performance



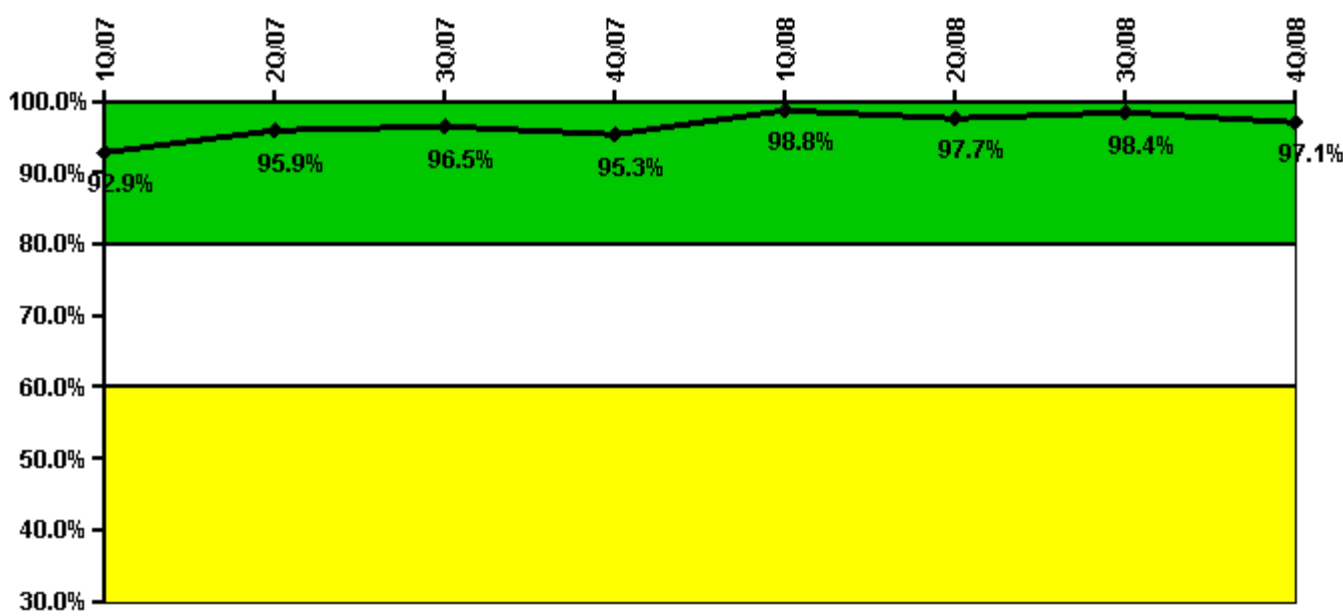
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	10.0	19.0	11.0	36.0	16.0	22.0	36.0	34.0
Total opportunities	10.0	20.0	12.0	37.0	16.0	22.0	39.0	34.0
Indicator value	97.7%	97.2%	96.8%	96.7%	96.5%	96.5%	96.2%	96.8%

Licensee Comments: none

ERO Drill Participation



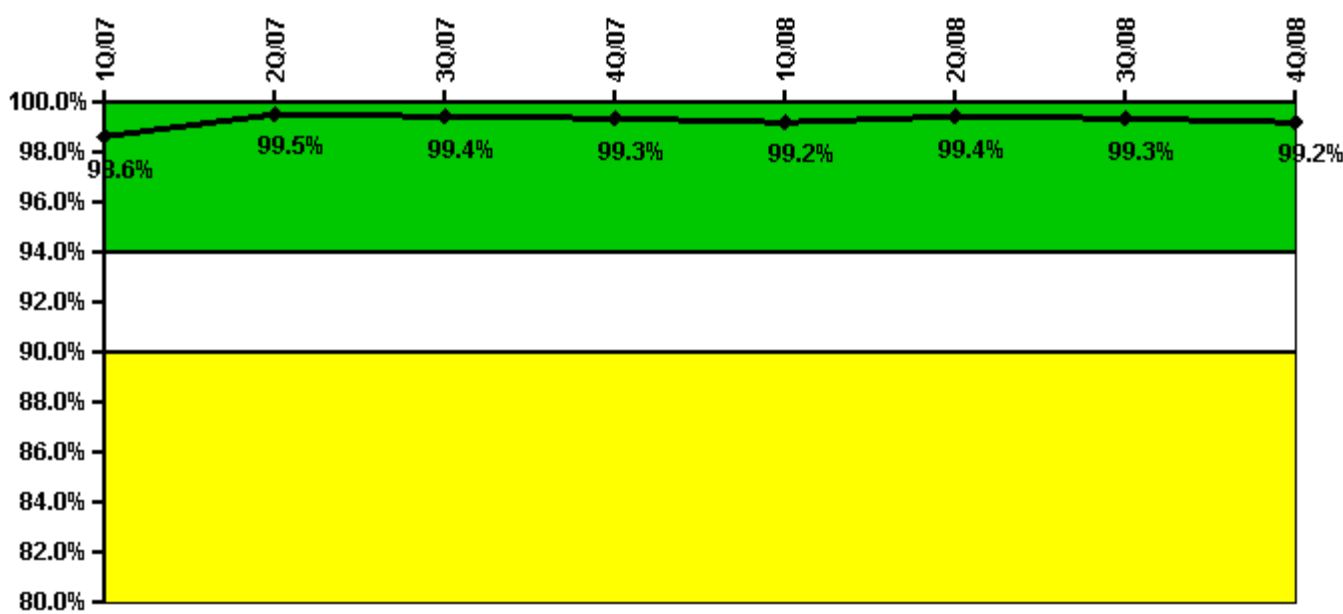
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	157.0	162.0	166.0	161.0	168.0	172.0	181.0	169.0
Total Key personnel	169.0	169.0	172.0	169.0	170.0	176.0	184.0	174.0
Indicator value	92.9%	95.9%	96.5%	95.3%	98.8%	97.7%	98.4%	97.1%

Licensee Comments: none

Alert & Notification System



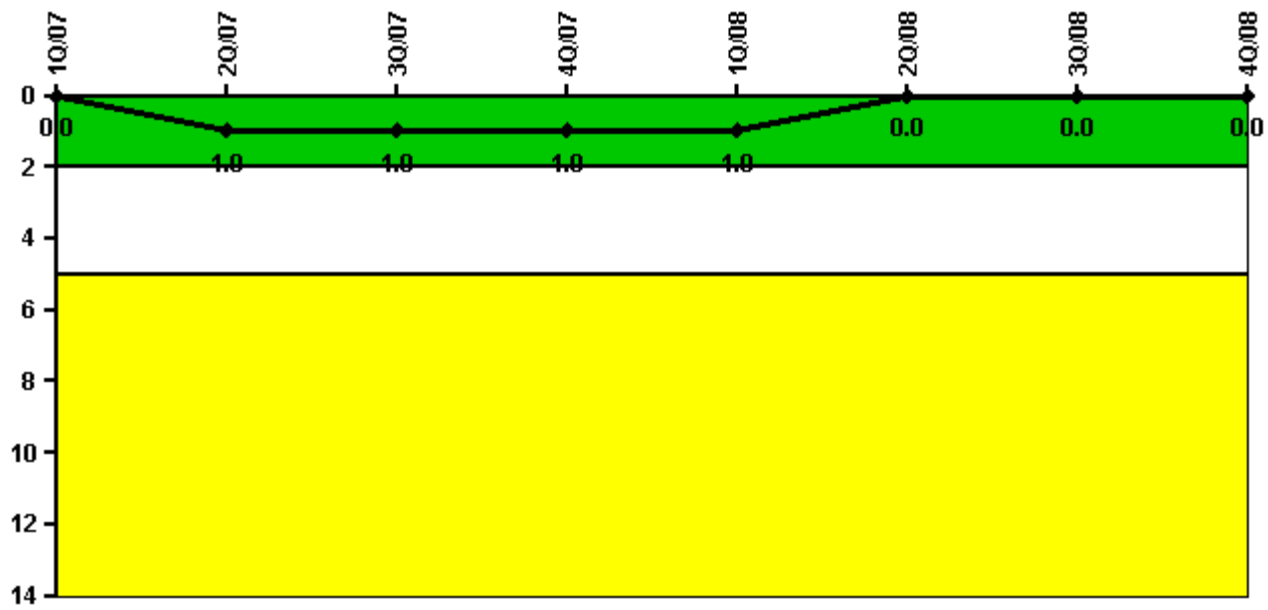
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	528	527	529	530	601	456	602	451
Total sirens-tests	532	532	532	532	608	456	608	456
Indicator value	98.6%	99.5%	99.4%	99.3%	99.2%	99.4%	99.3%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



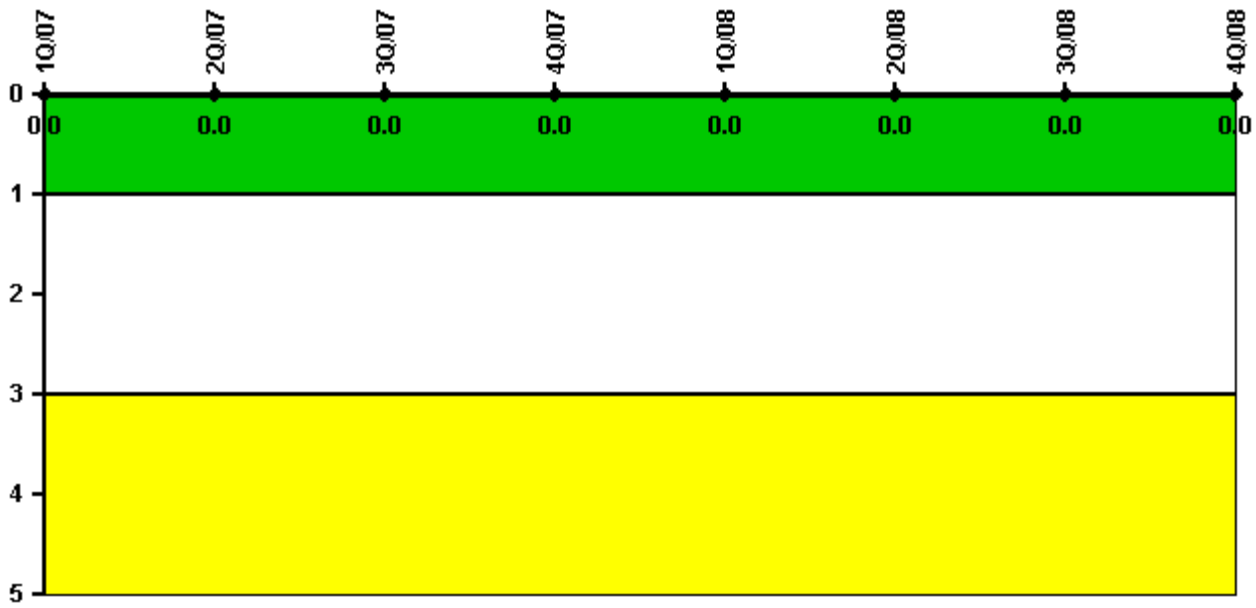
Thresholds: White > 2.0 Yellow > 5.0

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	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	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

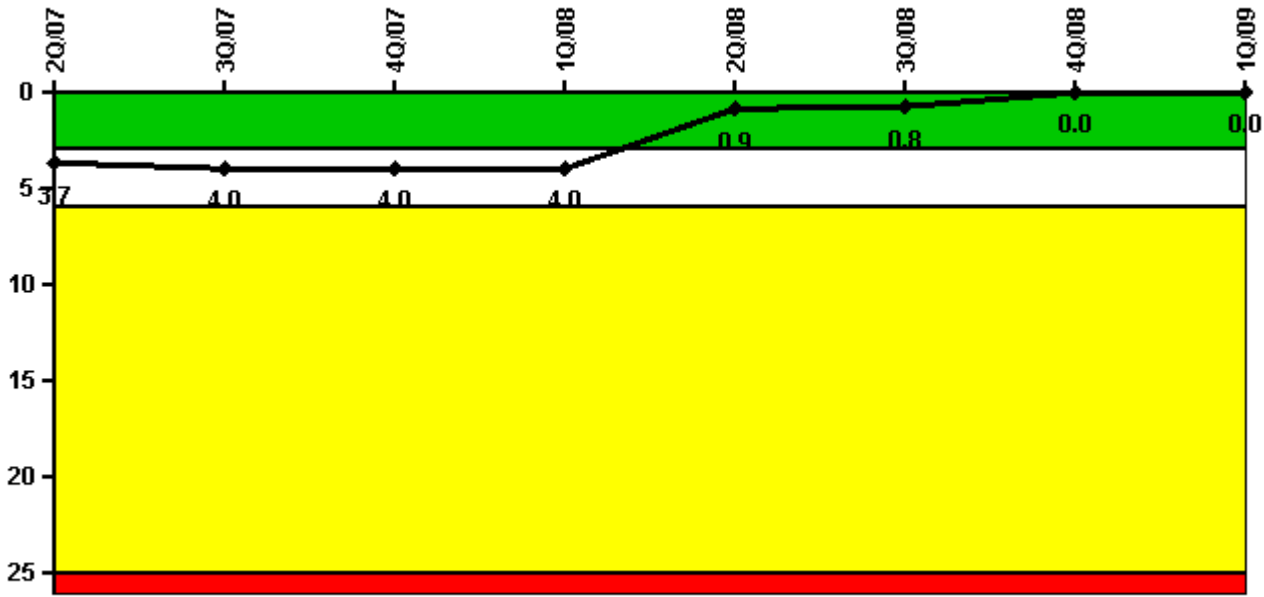
[Security](#) information not publicly available.

Perry 1

1Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



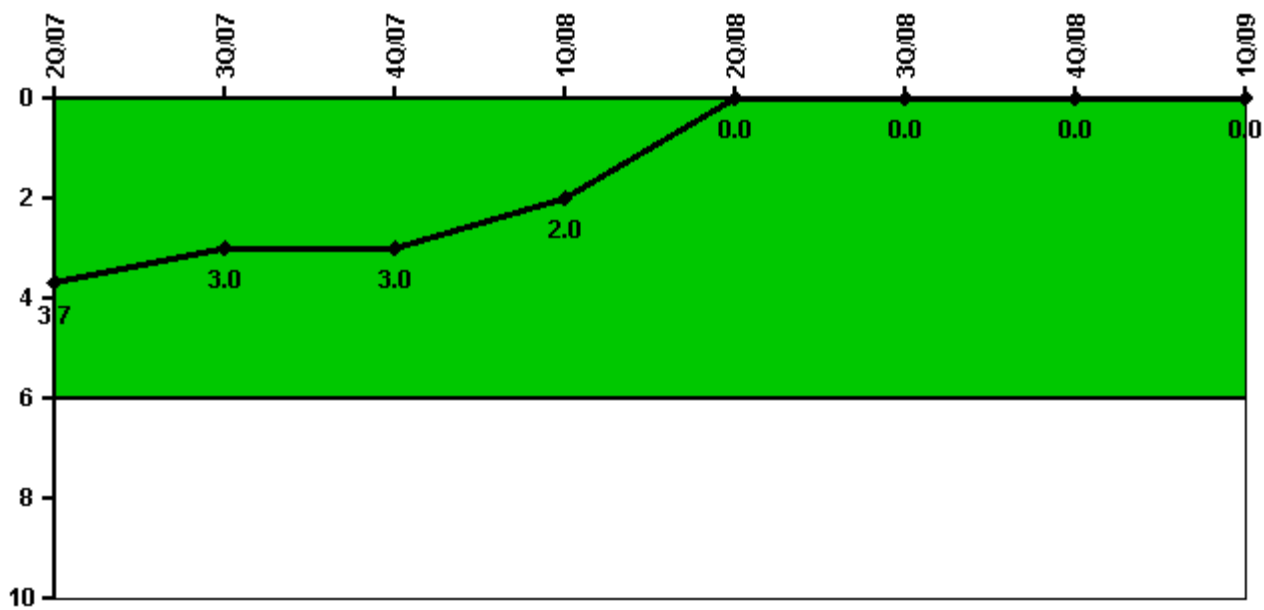
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	3.0	0	1.0	0	0	0	0	0
Critical hours	1106.2	1659.2	2000.8	2183.0	2000.9	2208.0	2209.0	1272.7
Indicator value	3.7	4.0	4.0	4.0	0.9	0.8	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



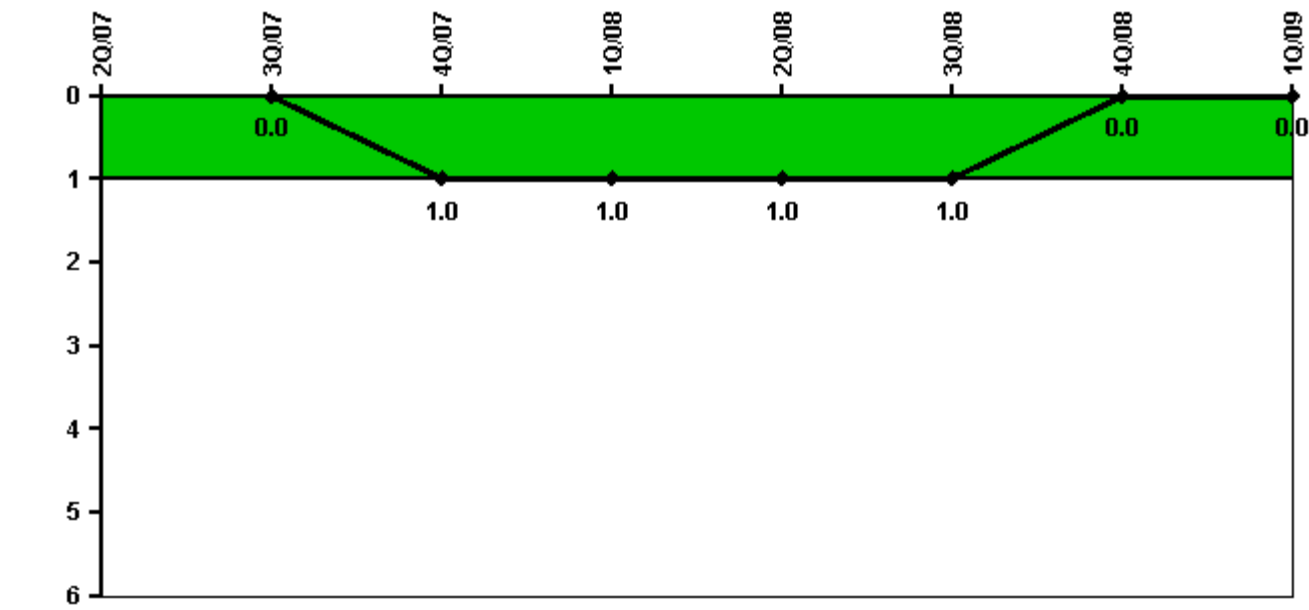
Thresholds: White > 6.0

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	2.0	0	0	0	0	0	0	0
Critical hours	1106.2	1659.2	2000.8	2183.0	2000.9	2208.0	2209.0	1272.7
Indicator value	3.7	3.0	3.0	2.0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



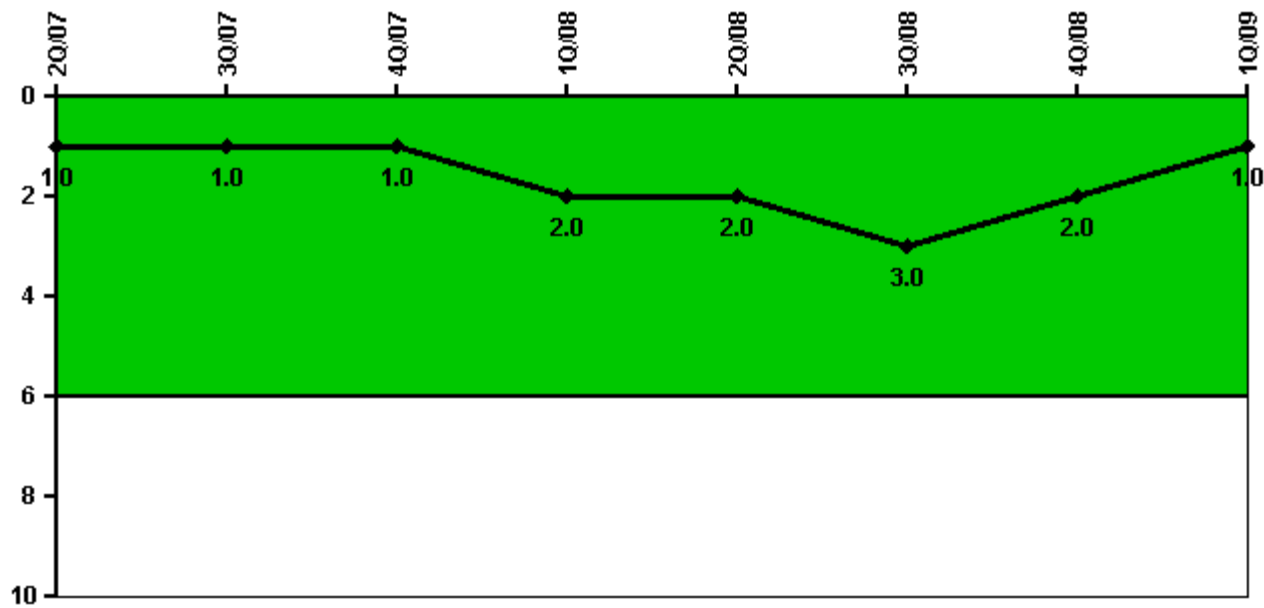
Thresholds: White > 1.0

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	1.0	0	0	0	0	0
Indicator value		0.0	1.0	1.0	1.0	1.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



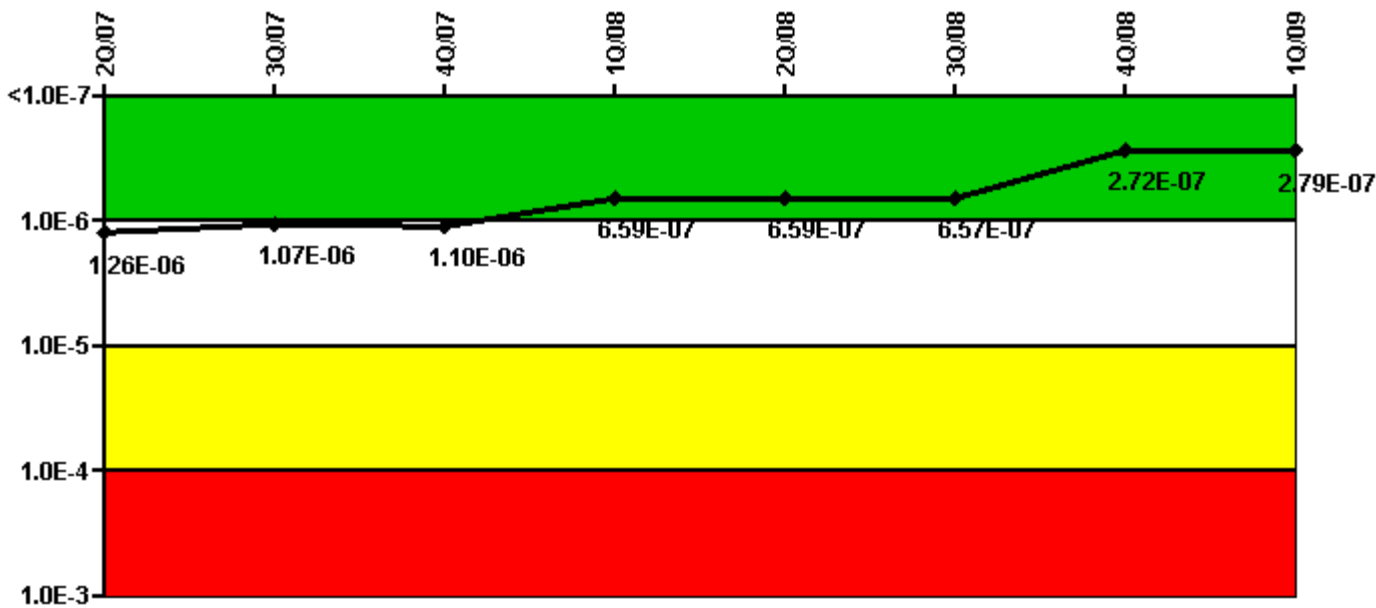
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	0	1	1	0	1	0	0
Indicator value	1	1	1	2	2	3	2	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

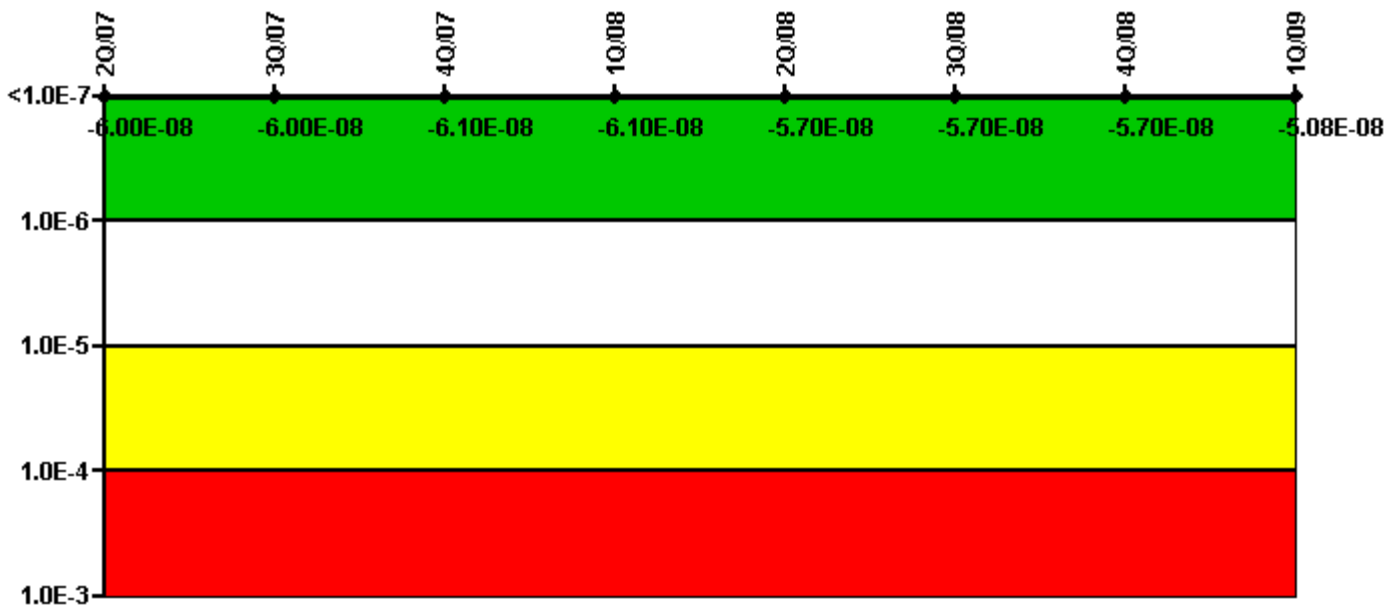
Notes

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 (ΔCDF)	5.80E-08	7.00E-08	9.80E-08	4.90E-08	4.90E-08	4.70E-08	-8.30E-09	-1.50E-09
URI (ΔCDF)	1.20E-06	1.00E-06	1.00E-06	6.10E-07	6.10E-07	6.10E-07	2.80E-07	2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.26E-06	1.07E-06	1.10E-06	6.59E-07	6.59E-07	6.57E-07	2.72E-07	2.79E-07

Licensee Comments:

1Q/09: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



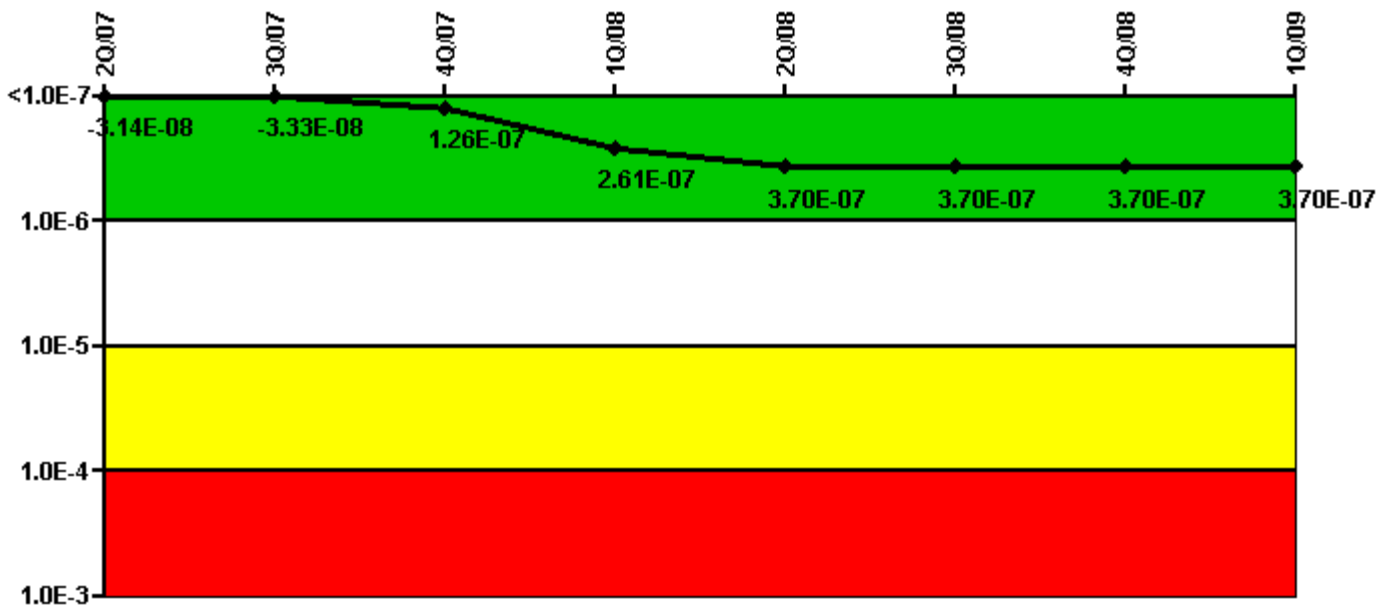
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-4.00E-09	-4.00E-09	-4.00E-09	-4.00E-09	1.20E-12	1.20E-12	1.20E-12	6.20E-09
URI (Δ CDF)	-5.60E-08	-5.60E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-08	-6.00E-08	-6.10E-08	-6.10E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.08E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



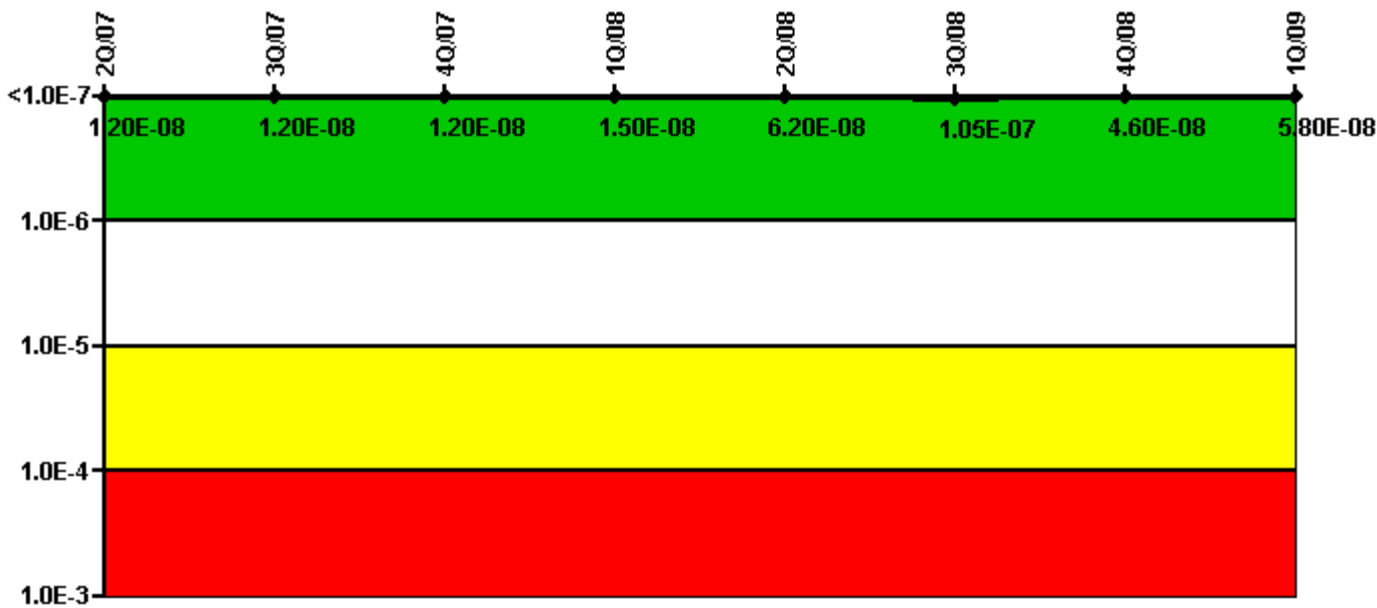
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-3.40E-09	-5.30E-09	3.80E-08	5.10E-08	5.00E-08	5.00E-08	5.00E-08	5.00E-08
URI (ΔCDF)	-2.80E-08	-2.80E-08	8.80E-08	2.10E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.14E-08	-3.33E-08	1.26E-07	2.61E-07	3.70E-07	3.70E-07	3.70E-07	3.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



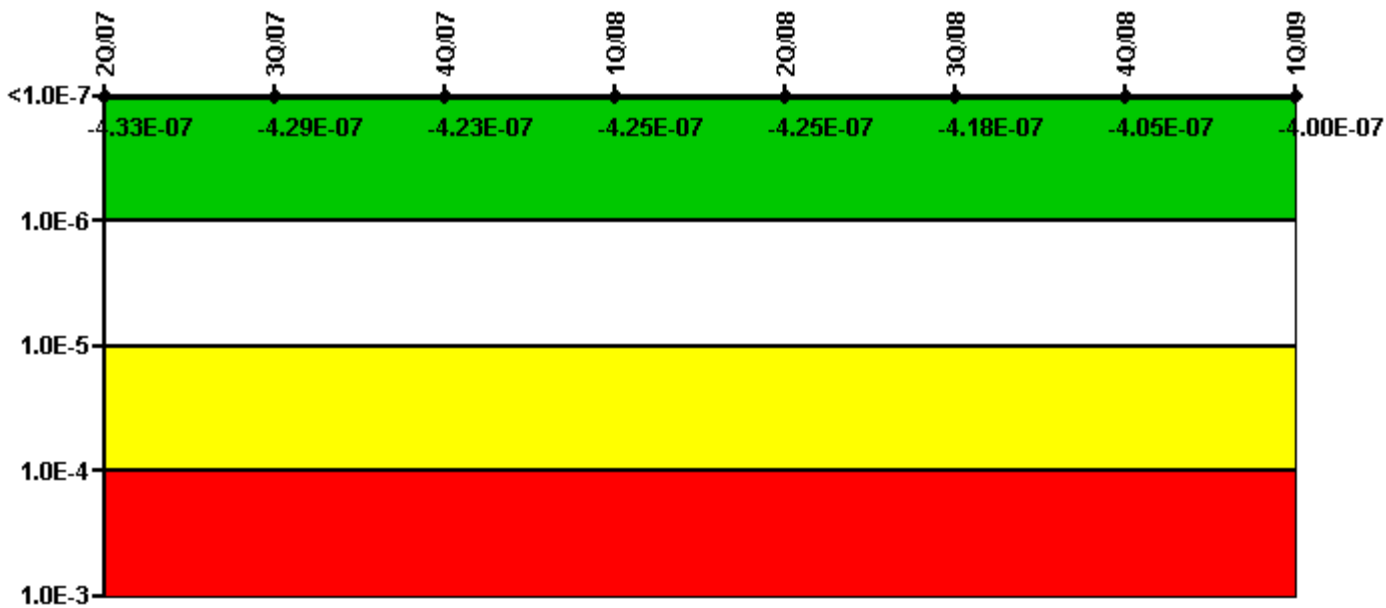
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-7.10E-08	-7.10E-08	-7.10E-08	-6.80E-08	-2.10E-08	2.20E-08	-3.70E-08	-2.50E-08
URI (ΔCDF)	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	1.20E-08	1.20E-08	1.50E-08	6.20E-08	1.05E-07	4.60E-08	5.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



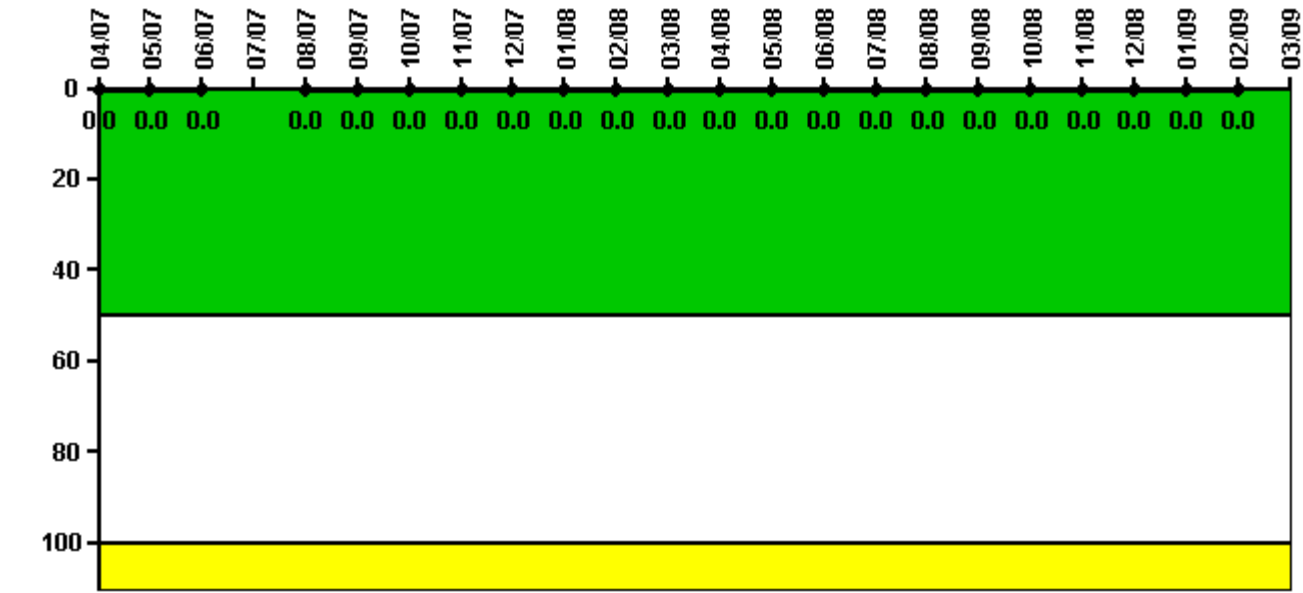
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-8.30E-08	-7.90E-08	-7.30E-08	-7.50E-08	-7.50E-08	-6.80E-08	-5.50E-08	-5.00E-08
URI (ΔCDF)	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.33E-07	-4.29E-07	-4.23E-07	-4.25E-07	-4.25E-07	-4.18E-07	-4.05E-07	-4.00E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

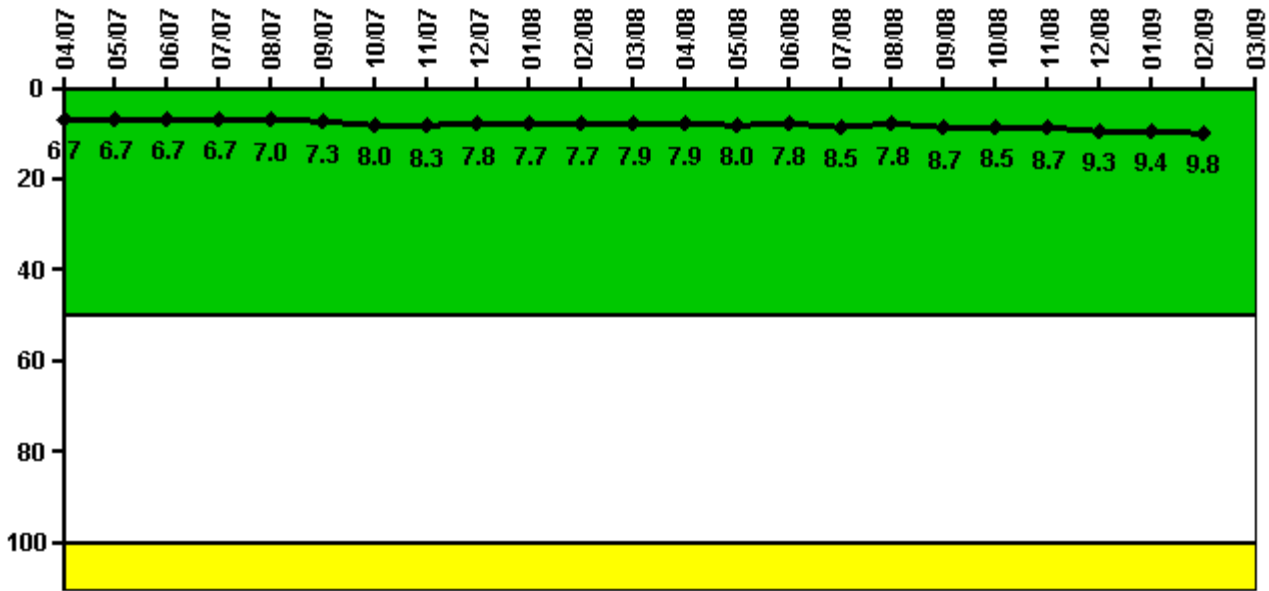
Notes

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	0.000009	0.000016	0.000018	N/A	0.000014	0.000015	0.000016	0.000017	0.000017	0.000017	0.000018	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	N/A	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	0.000024	0.000023	0.000023	0.000021	0.000022	0.000033	0.000030	0.000030	0.000023	0.000022	0.000022	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	N/A

Licensee Comments: none

Reactor Coolant System Leakage



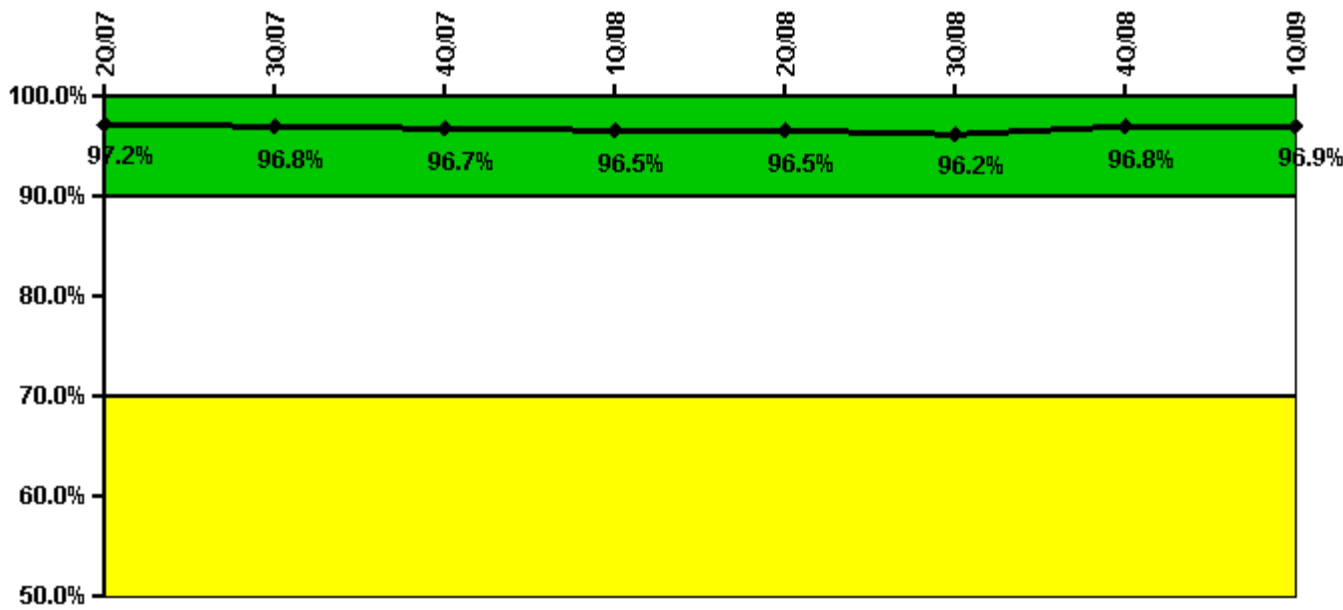
Thresholds: White > 50.0 Yellow > 100.0

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	2.000	2.000	2.000	2.000	2.100	2.200	2.400	2.500	2.340	2.320	2.310	2.380
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.7	6.7	6.7	7.0	7.3	8.0	8.3	7.8	7.7	7.7	7.9
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	2.370	2.410	2.340	2.540	2.350	2.620	2.560	2.620	2.800	2.820	2.940	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.9	8.0	7.8	8.5	7.8	8.7	8.5	8.7	9.3	9.4	9.8	N/A

Licensee Comments: none

Drill/Exercise Performance



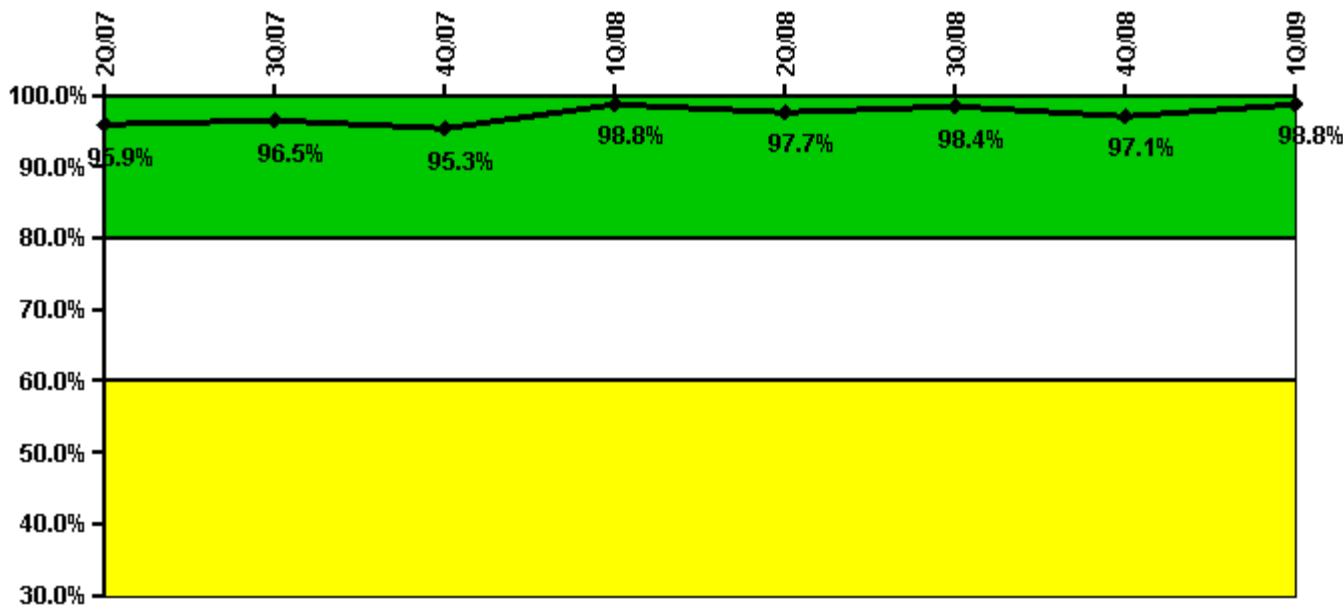
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	19.0	11.0	36.0	16.0	22.0	36.0	34.0	16.0
Total opportunities	20.0	12.0	37.0	16.0	22.0	39.0	34.0	16.0
Indicator value	97.2%	96.8%	96.7%	96.5%	96.5%	96.2%	96.8%	96.9%

Licensee Comments: none

ERO Drill Participation



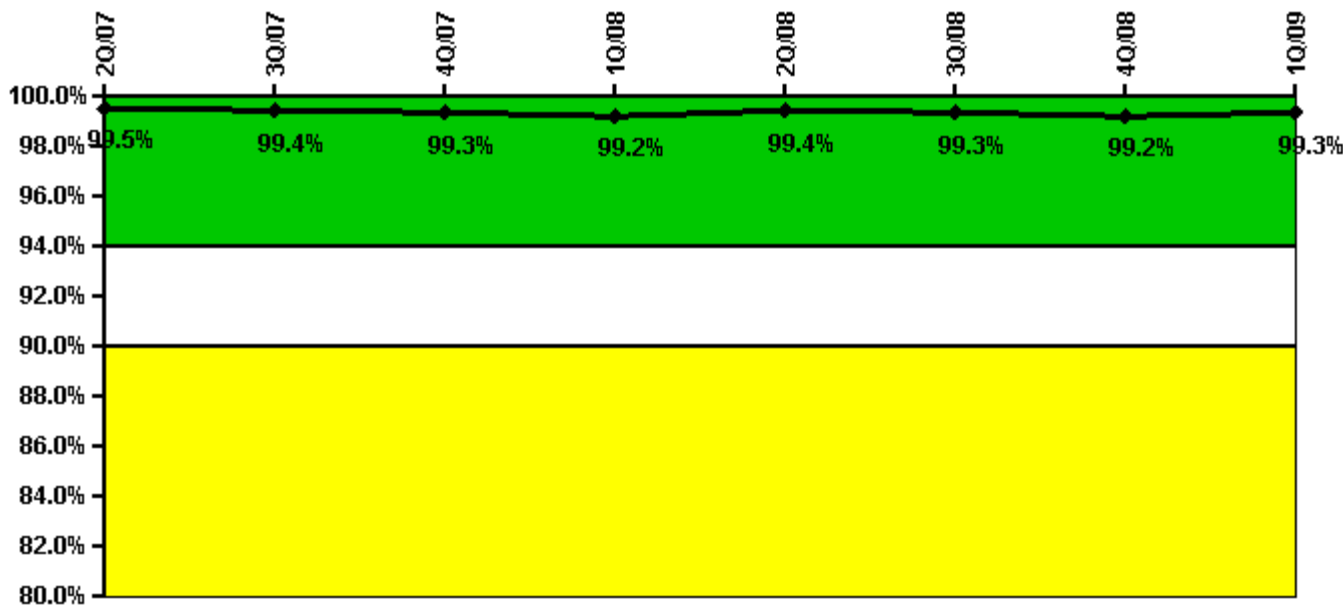
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	162.0	166.0	161.0	168.0	172.0	181.0	169.0	169.0
Total Key personnel	169.0	172.0	169.0	170.0	176.0	184.0	174.0	171.0
Indicator value	95.9%	96.5%	95.3%	98.8%	97.7%	98.4%	97.1%	98.8%

Licensee Comments: none

Alert & Notification System



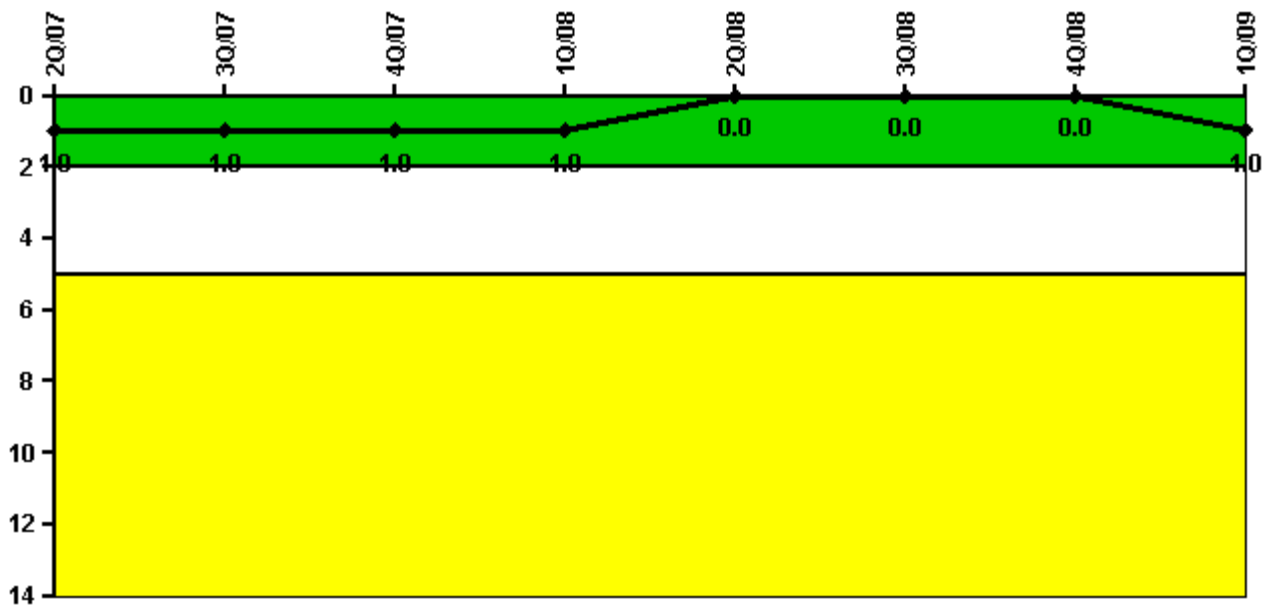
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	527	529	530	601	456	602	451	604
Total sirens-tests	532	532	532	608	456	608	456	608
Indicator value	99.5%	99.4%	99.3%	99.2%	99.4%	99.3%	99.2%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



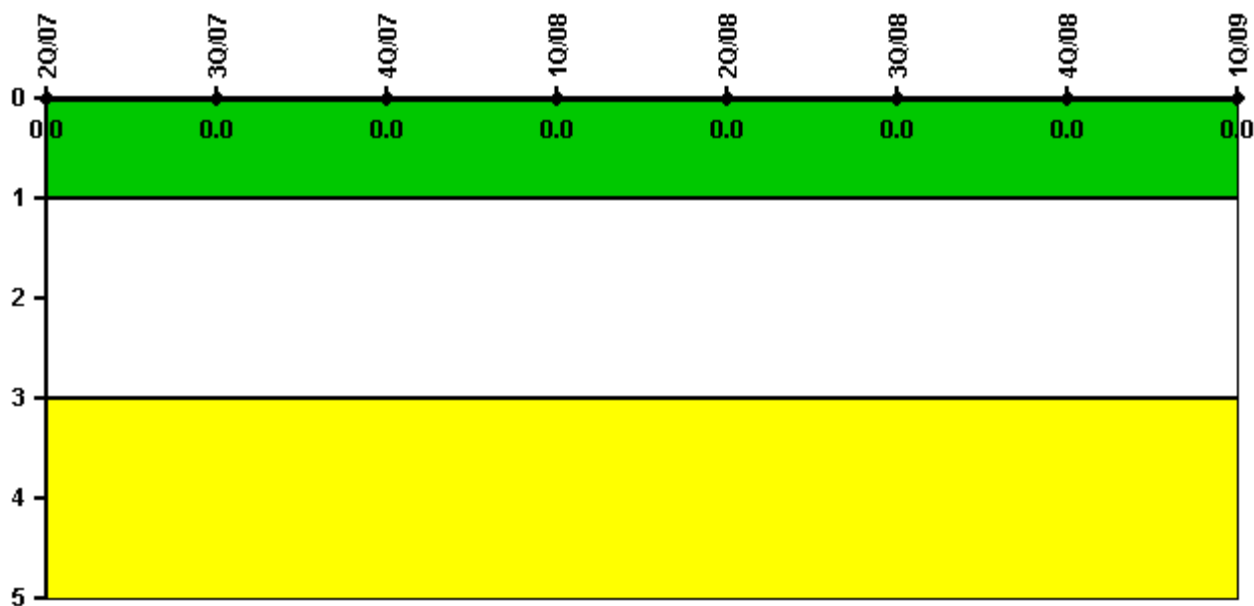
Thresholds: White > 2.0 Yellow > 5.0

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	1	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	1	1	1	1	0	0	0	1

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

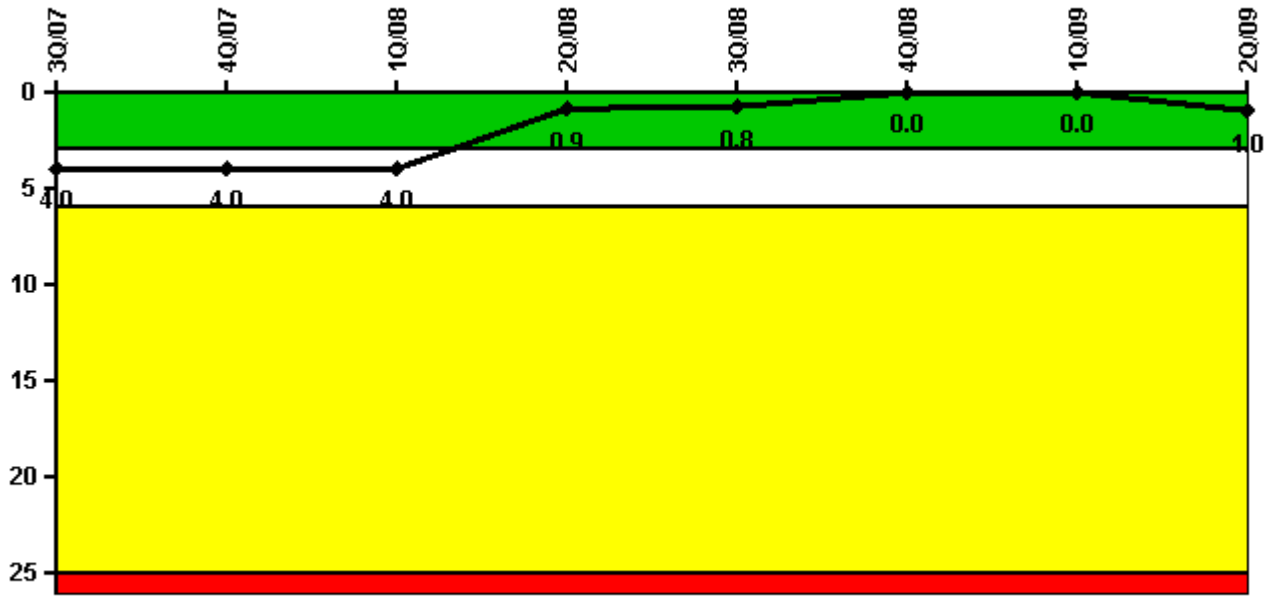
[Security](#) information not publicly available.

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2Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



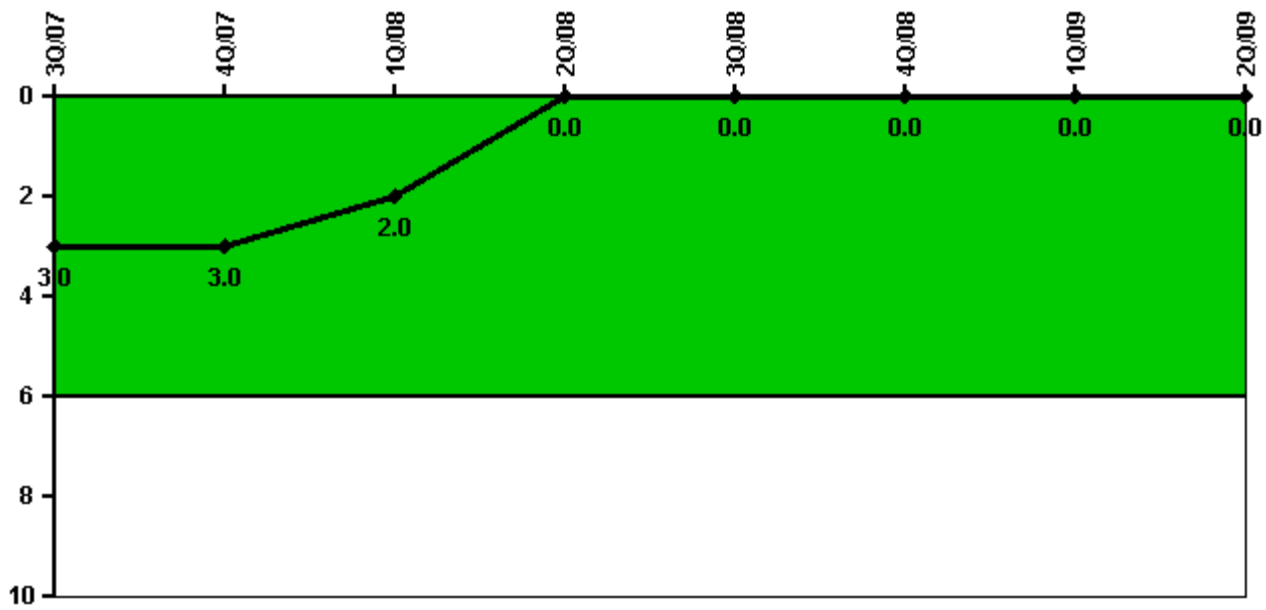
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	1.0	0	0	0	0	0	1.0
Critical hours	1659.2	2000.8	2183.0	2000.9	2208.0	2209.0	1272.7	1134.7
Indicator value	4.0	4.0	4.0	0.9	0.8	0	0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



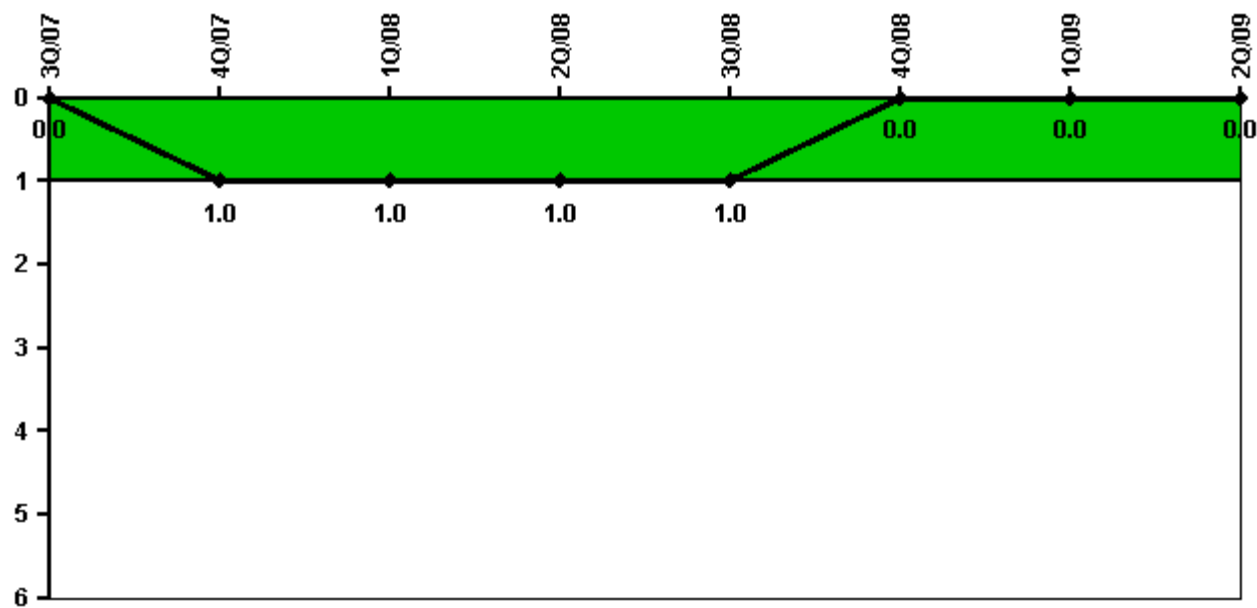
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1659.2	2000.8	2183.0	2000.9	2208.0	2209.0	1272.7	1134.7
Indicator value	3.0	3.0	2.0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



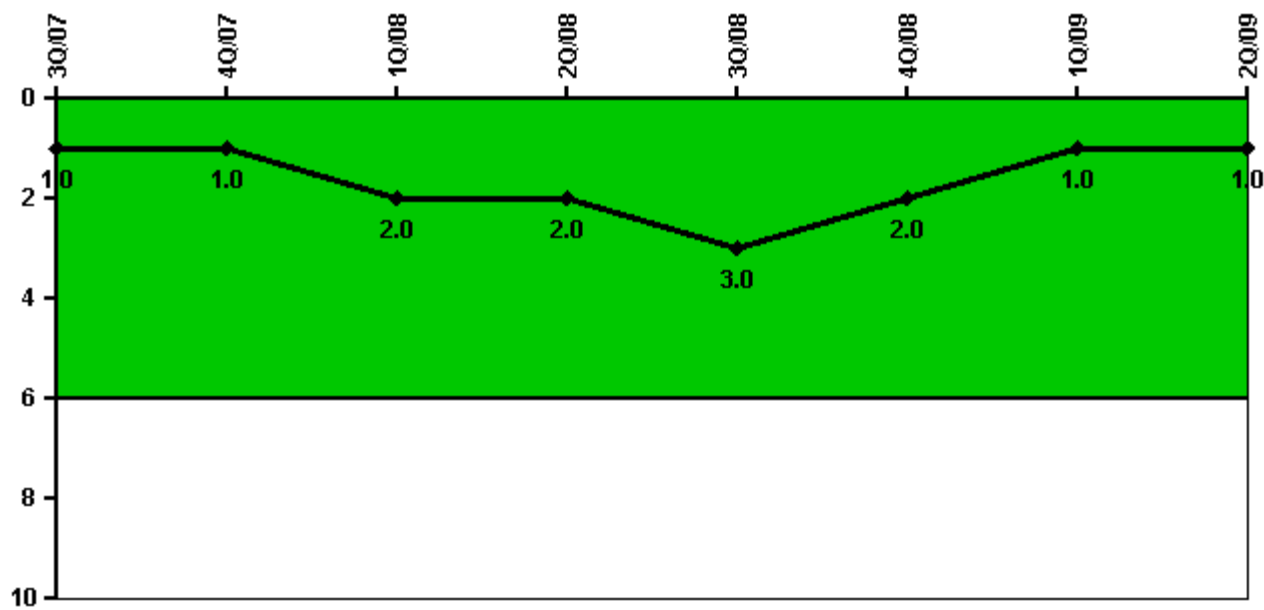
Thresholds: White > 1.0

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	1.0	0	0	0	0	0	0
Indicator value	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



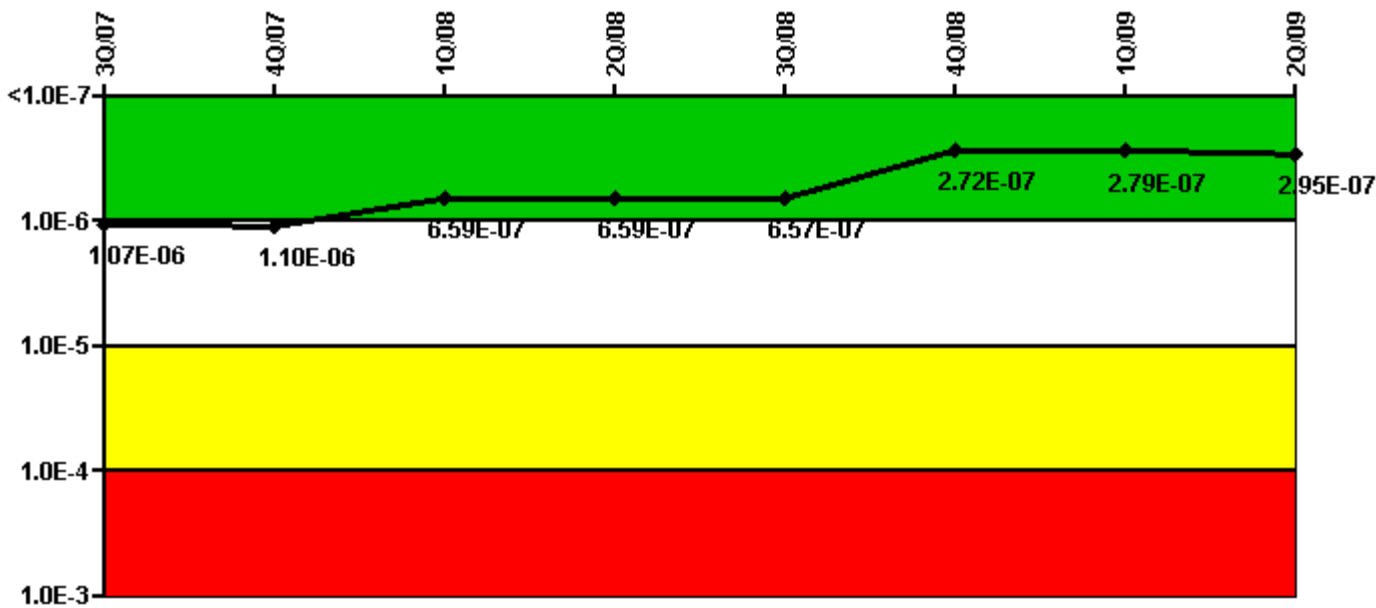
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	1	1	0	1	0	0	0
Indicator value	1	1	2	2	3	2	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

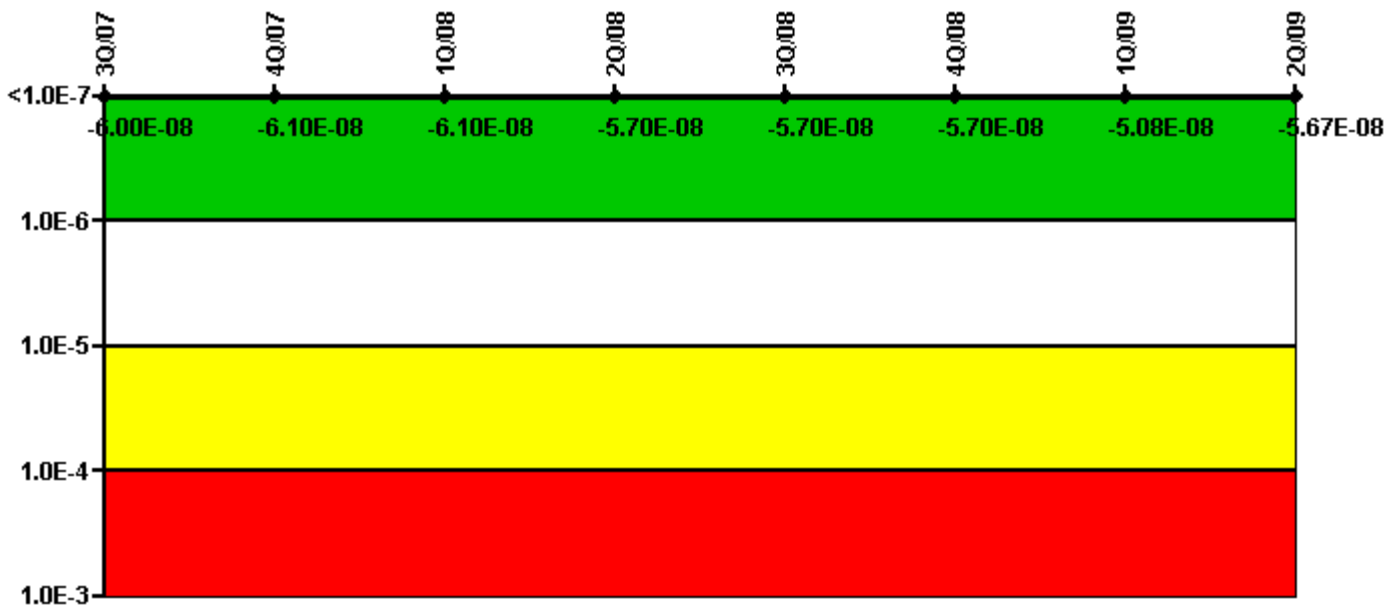
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	7.00E-08	9.80E-08	4.90E-08	4.90E-08	4.70E-08	-8.30E-09	-1.50E-09	1.50E-08
URI (ΔCDF)	1.00E-06	1.00E-06	6.10E-07	6.10E-07	6.10E-07	2.80E-07	2.80E-07	2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.07E-06	1.10E-06	6.59E-07	6.59E-07	6.57E-07	2.72E-07	2.79E-07	2.95E-07

Licensee Comments:

2Q/09: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



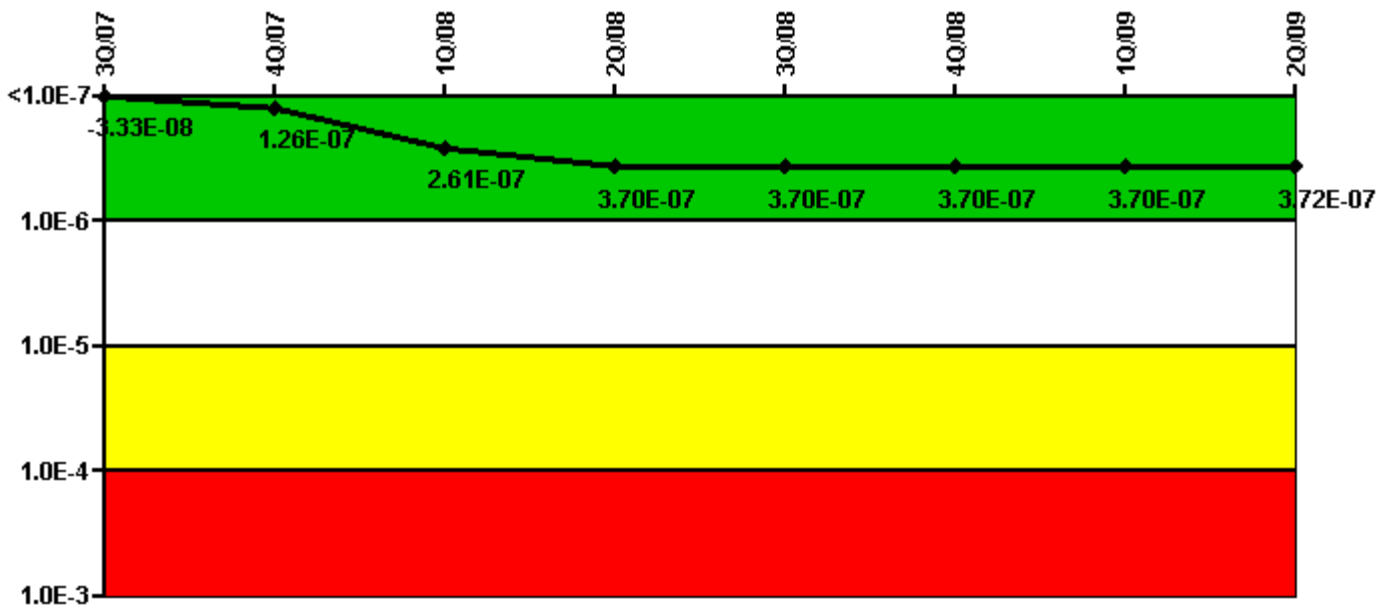
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-4.00E-09	-4.00E-09	-4.00E-09	1.20E-12	1.20E-12	1.20E-12	6.20E-09	3.50E-10
URI (ΔCDF)	-5.60E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-08	-6.10E-08	-6.10E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.08E-08	-5.67E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



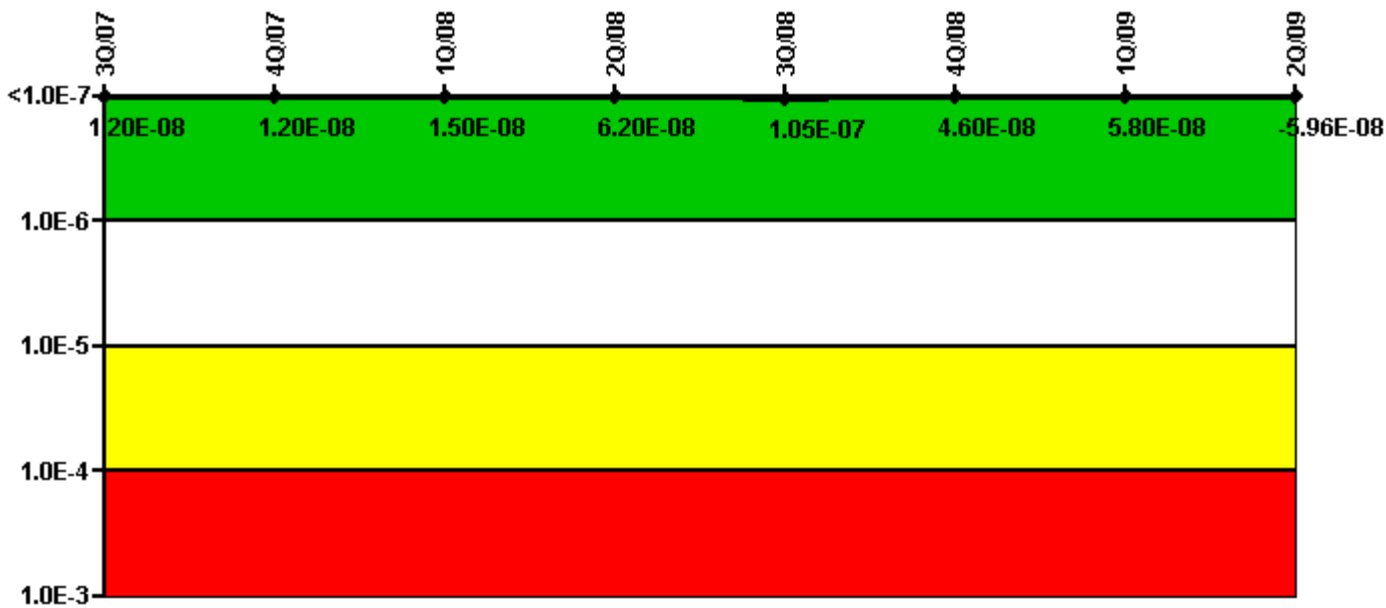
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-5.30E-09	3.80E-08	5.10E-08	5.00E-08	5.00E-08	5.00E-08	5.00E-08	5.20E-08
URI (ΔCDF)	-2.80E-08	8.80E-08	2.10E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.33E-08	1.26E-07	2.61E-07	3.70E-07	3.70E-07	3.70E-07	3.70E-07	3.72E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



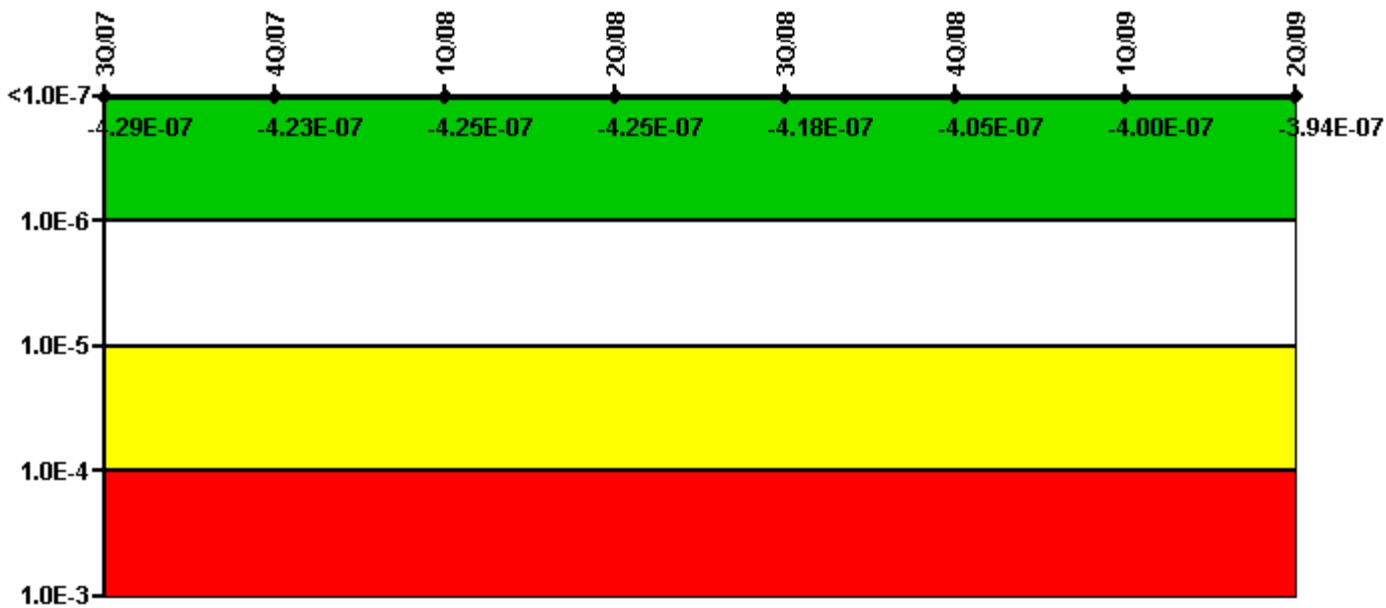
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-7.10E-08	-7.10E-08	-6.80E-08	-2.10E-08	2.20E-08	-3.70E-08	-2.50E-08	-3.60E-09
URI (ΔCDF)	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	-5.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	1.20E-08	1.50E-08	6.20E-08	1.05E-07	4.60E-08	5.80E-08	-5.96E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



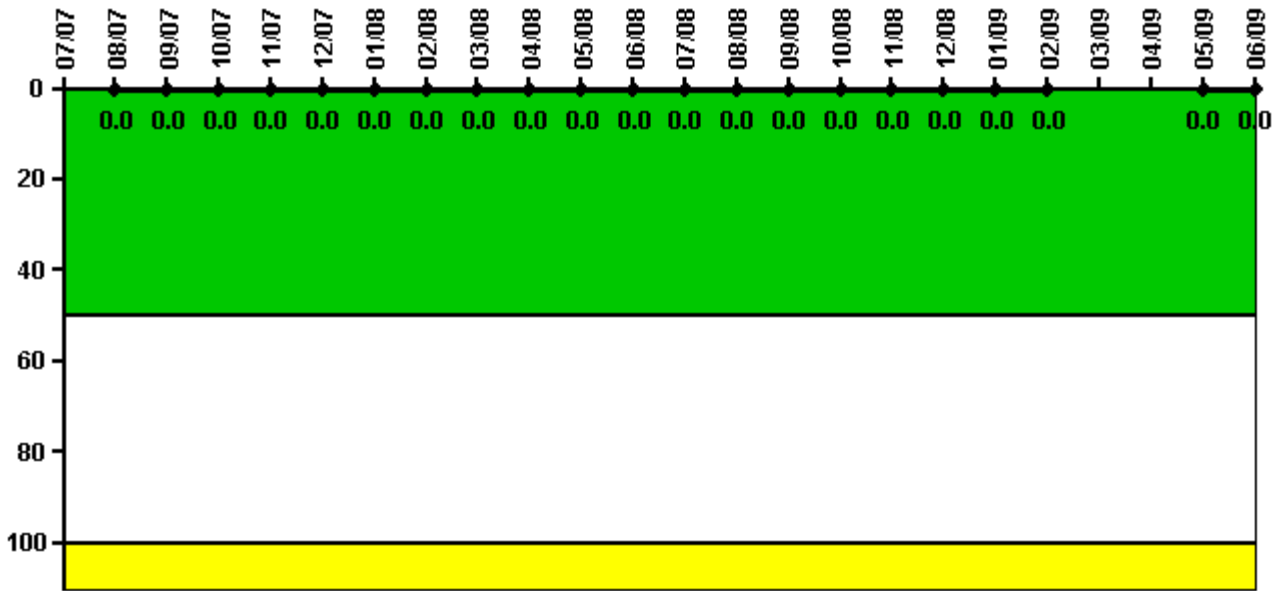
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-7.90E-08	-7.30E-08	-7.50E-08	-7.50E-08	-6.80E-08	-5.50E-08	-5.00E-08	-4.40E-08
URI (ΔCDF)	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.29E-07	-4.23E-07	-4.25E-07	-4.25E-07	-4.18E-07	-4.05E-07	-4.00E-07	-3.94E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

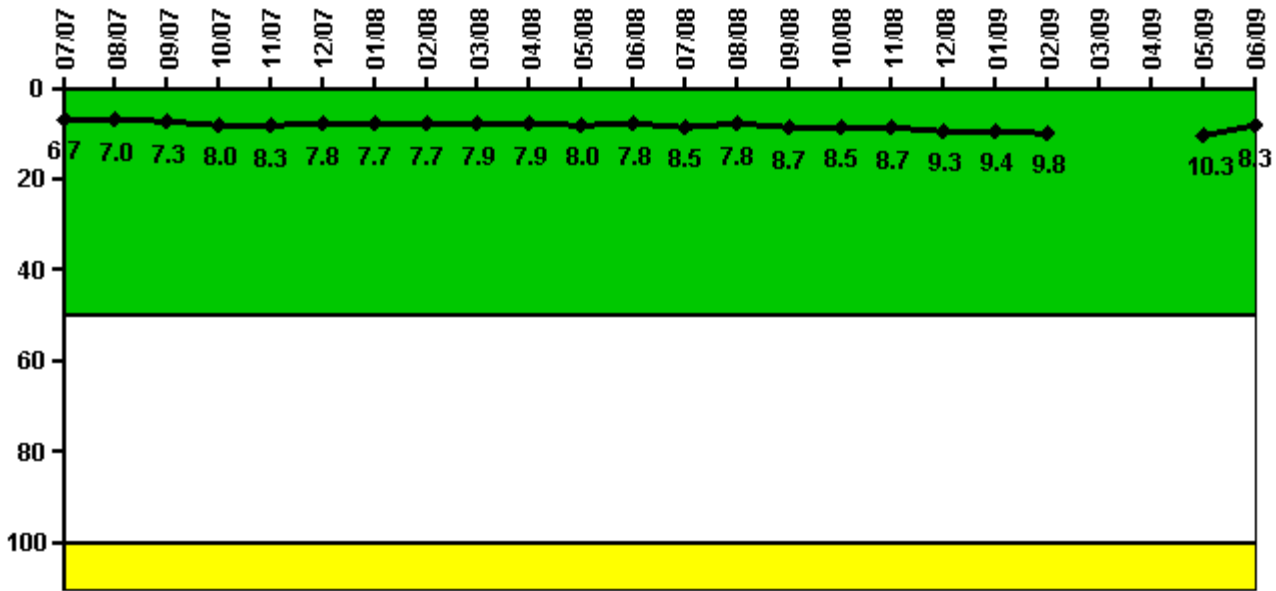
Notes

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	N/A	0.000014	0.000015	0.000016	0.000017	0.000017	0.000017	0.000018	0.000018	0.000024	0.000023	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	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	0.000021	0.000022	0.000033	0.000030	0.000030	0.000023	0.000022	0.000022	N/A	N/A	0.000008	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	N/A	N/A	0	0

Licensee Comments: none

Reactor Coolant System Leakage



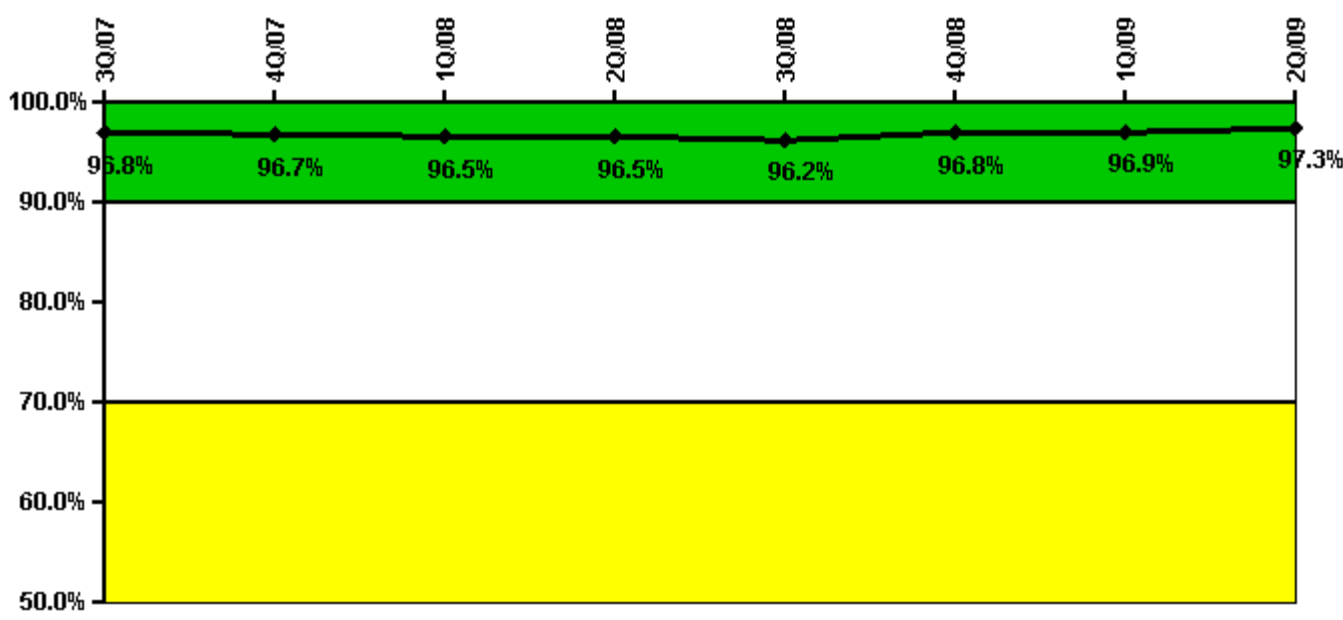
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	2.000	2.100	2.200	2.400	2.500	2.340	2.320	2.310	2.380	2.370	2.410	2.340
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	7.0	7.3	8.0	8.3	7.8	7.7	7.7	7.9	7.9	8.0	7.8
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	2.540	2.350	2.620	2.560	2.620	2.800	2.820	2.940	N/A	N/A	3.100	2.500
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.5	7.8	8.7	8.5	8.7	9.3	9.4	9.8	N/A	N/A	10.3	8.3

Licensee Comments: none

Drill/Exercise Performance



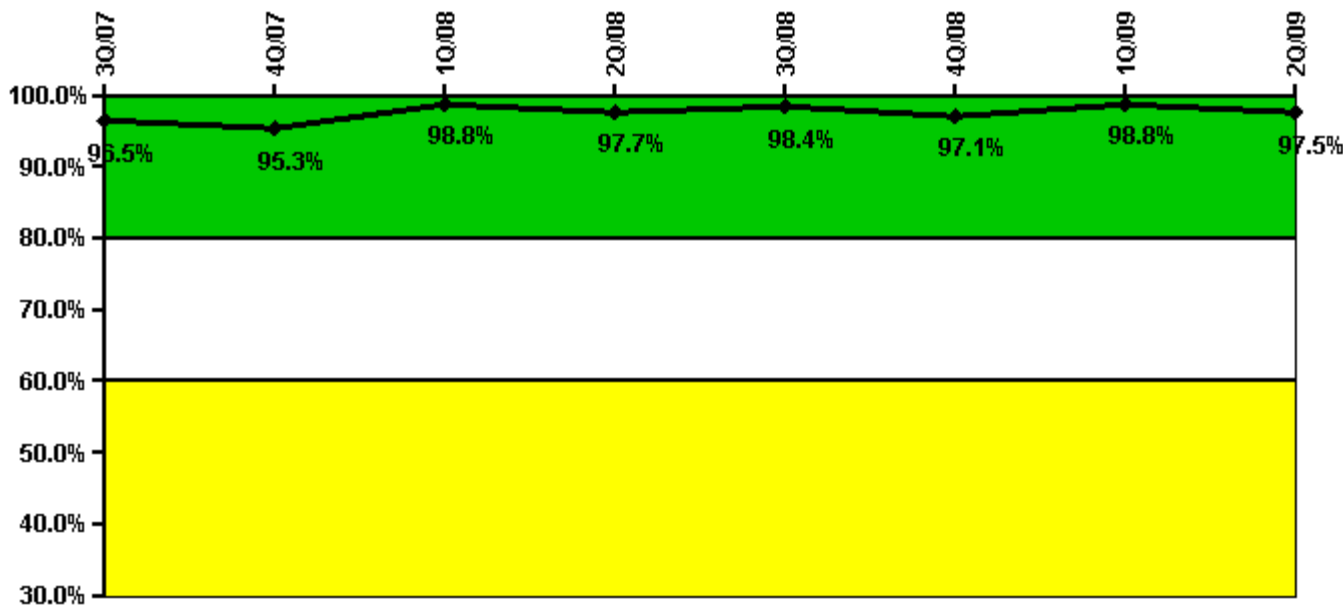
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	11.0	36.0	16.0	22.0	36.0	34.0	16.0	12.0
Total opportunities	12.0	37.0	16.0	22.0	39.0	34.0	16.0	12.0
Indicator value	96.8%	96.7%	96.5%	96.5%	96.2%	96.8%	96.9%	97.3%

Licensee Comments: none

ERO Drill Participation



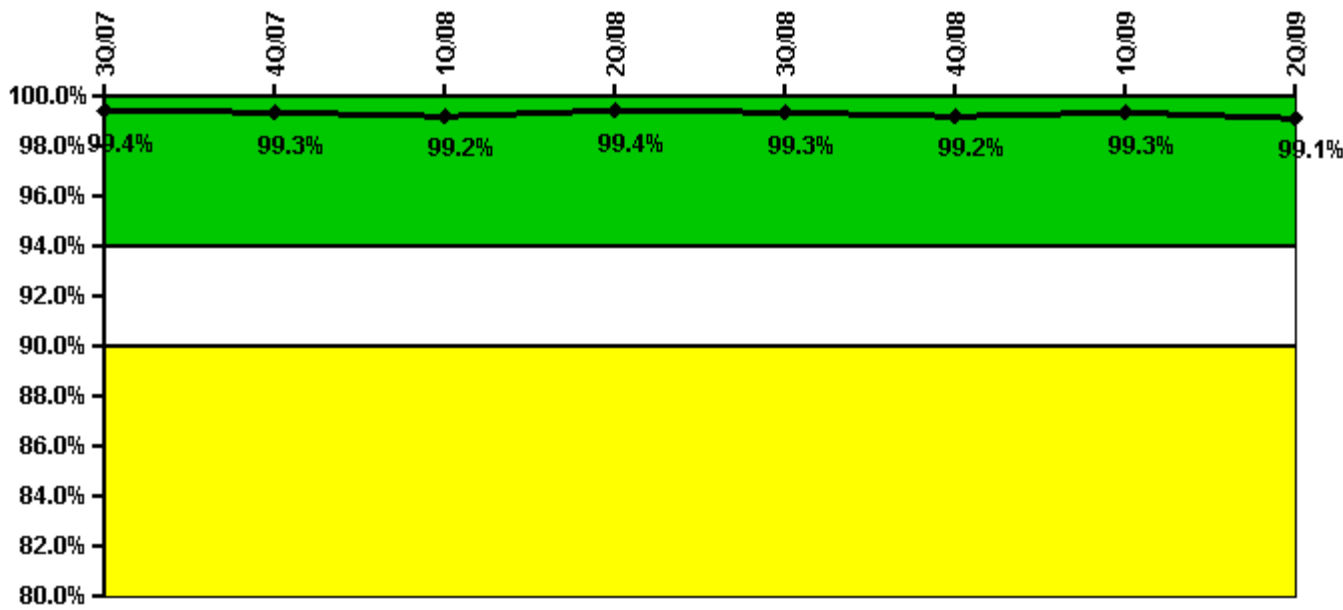
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	166.0	161.0	168.0	172.0	181.0	169.0	169.0	158.0
Total Key personnel	172.0	169.0	170.0	176.0	184.0	174.0	171.0	162.0
Indicator value	96.5%	95.3%	98.8%	97.7%	98.4%	97.1%	98.8%	97.5%

Licensee Comments: none

Alert & Notification System



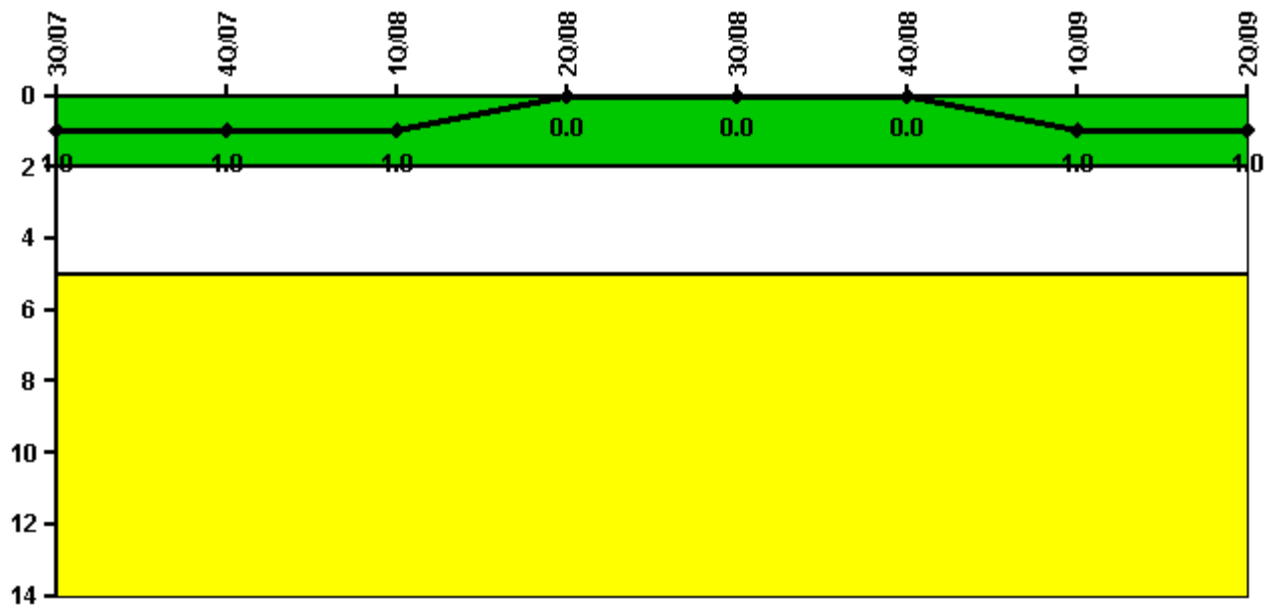
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	529	530	601	456	602	451	604	528
Total sirens-tests	532	532	608	456	608	456	608	532
Indicator value	99.4%	99.3%	99.2%	99.4%	99.3%	99.2%	99.3%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



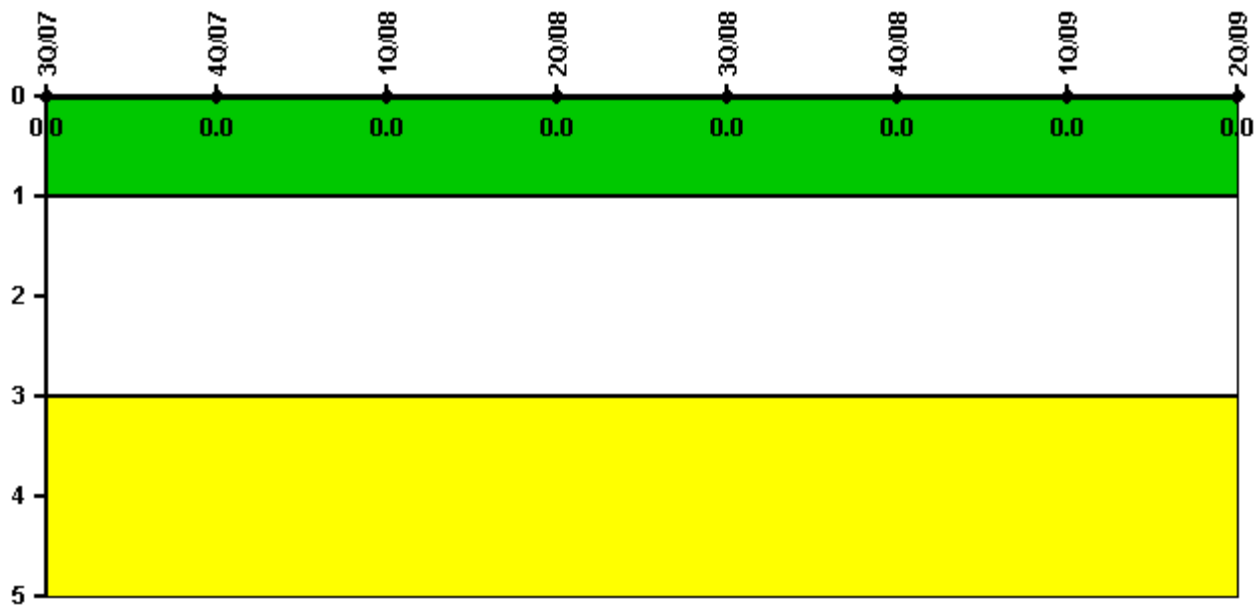
Thresholds: White > 2.0 Yellow > 5.0

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	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	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/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

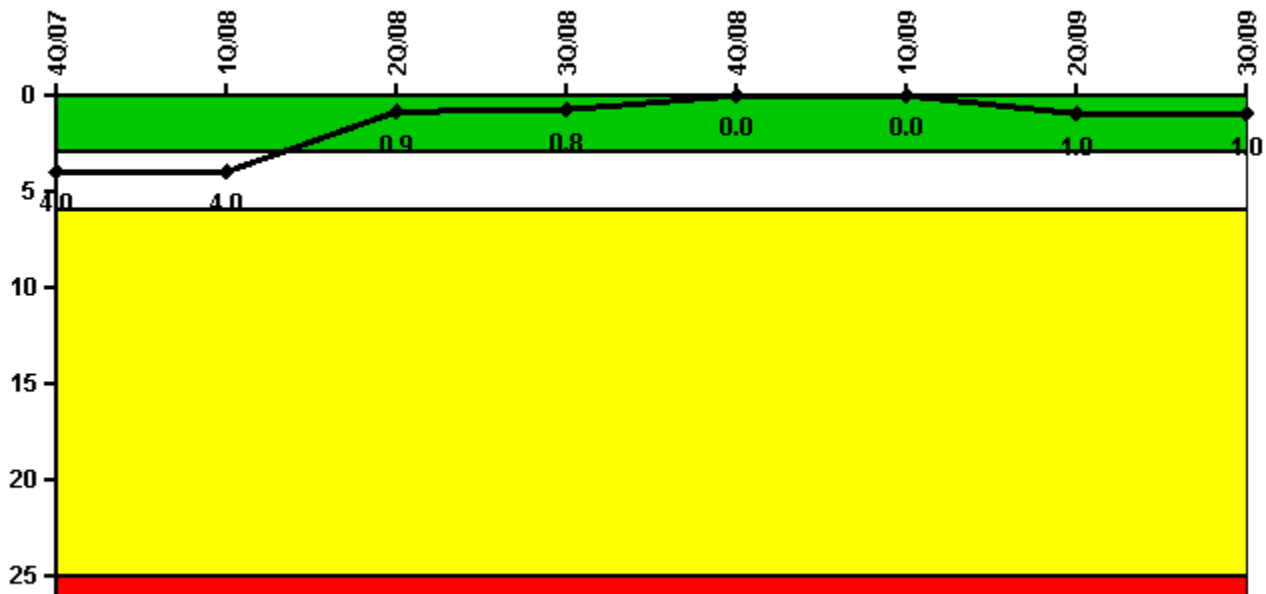
[Security](#) information not publicly available.

Perry 1

3Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



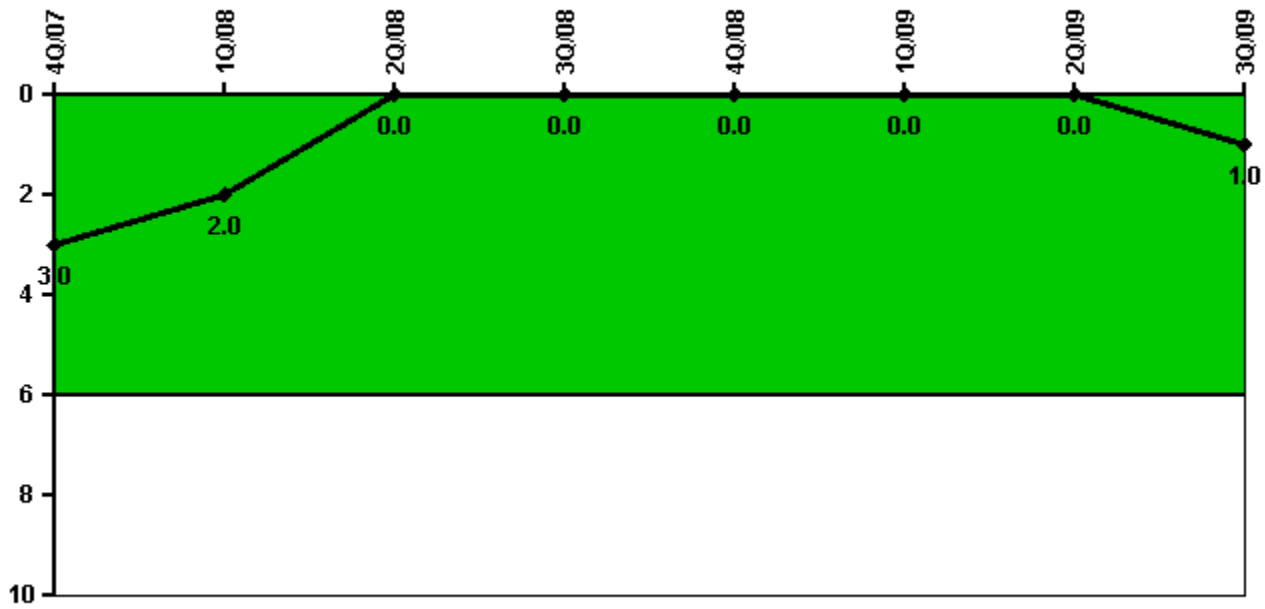
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	1.0	0
Critical hours	2000.8	2183.0	2000.9	2208.0	2209.0	1272.7	1134.7	2208.0
Indicator value	4.0	4.0	0.9	0.8	0	0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



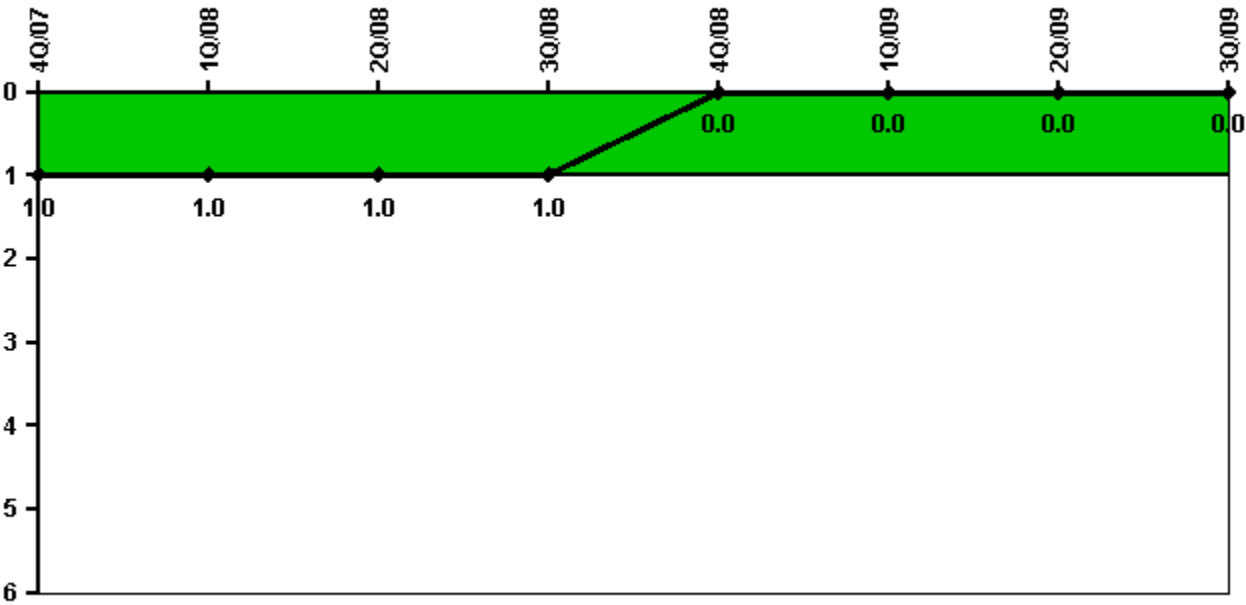
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2000.8	2183.0	2000.9	2208.0	2209.0	1272.7	1134.7	2208.0
Indicator value	3.0	2.0	0	0	0	0	0	1.0

Licensee Comments: none

Unplanned Scrams with Complications



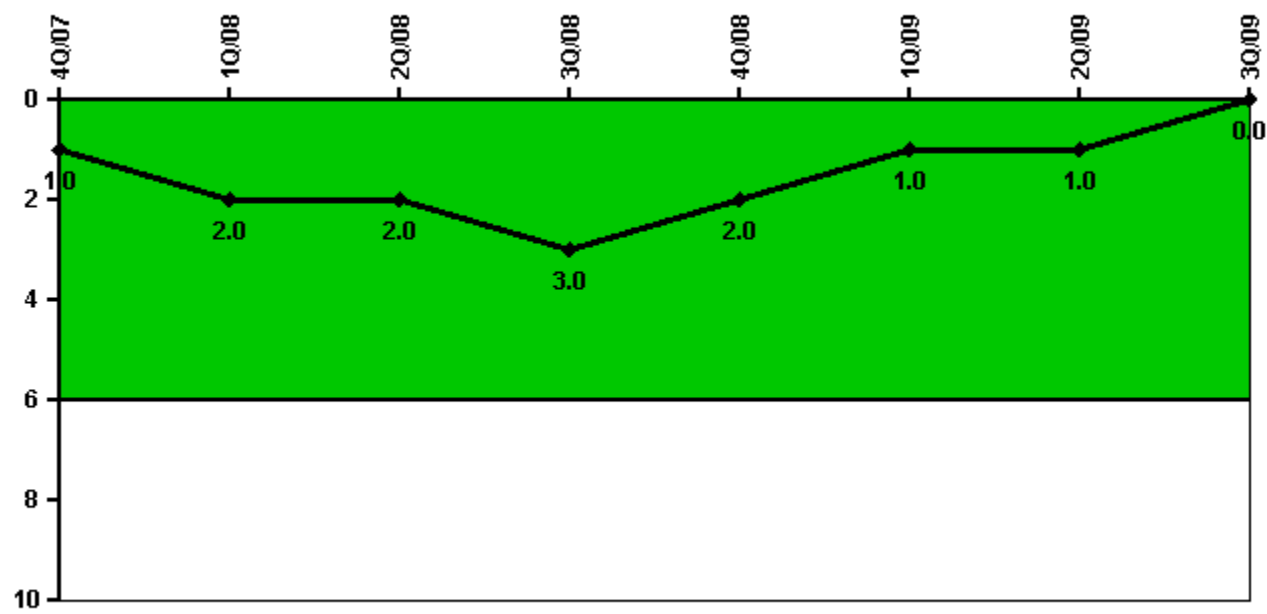
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	1.0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



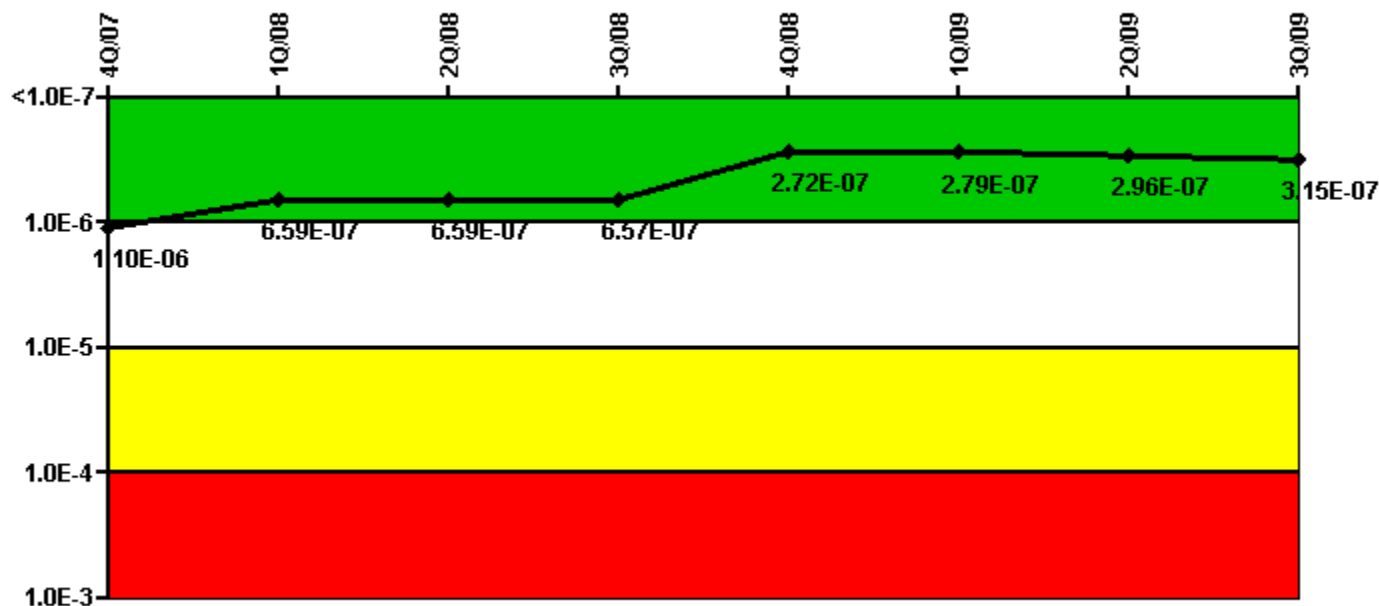
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	1	1	0	1	0	0	0	0
Indicator value	1	2	2	3	2	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 (ΔCDF)	9.80E-08	4.90E-08	4.90E-08	4.70E-08	-8.30E-09	-5.20E-10	1.60E-08	3.50E-08
URI (ΔCDF)	1.00E-06	6.10E-07	6.10E-07	6.10E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.10E-06	6.59E-07	6.59E-07	6.57E-07	2.72E-07	2.79E-07	2.96E-07	3.15E-07

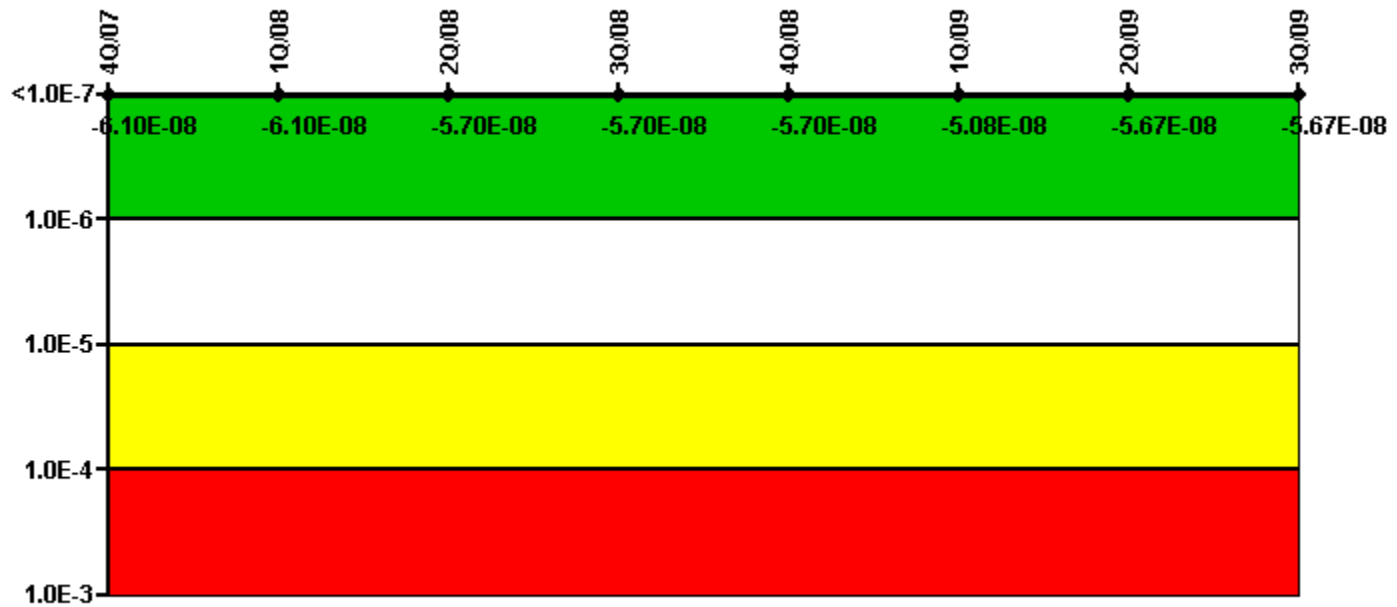
Licensee Comments:

3Q/09: Risk Cap Invoked.

2Q/09: Risk Cap Invoked.

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

Mitigating Systems Performance Index, High Pressure Injection System



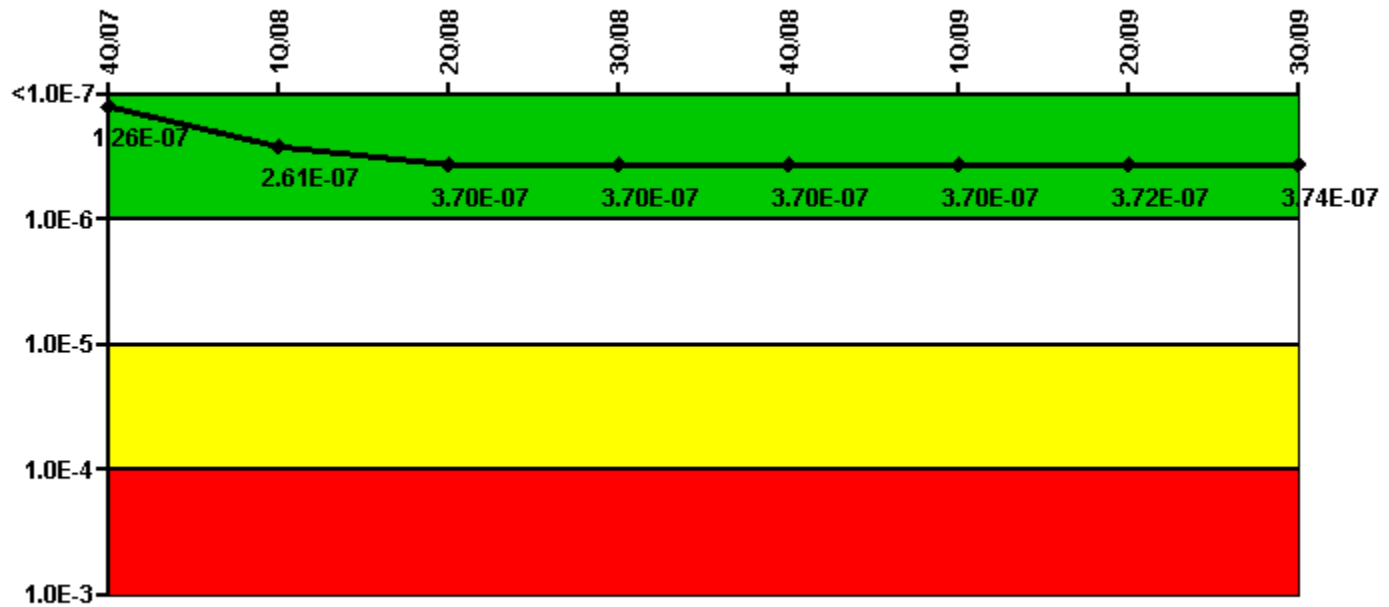
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-4.00E-09	-4.00E-09	1.20E-12	1.20E-12	1.20E-12	6.20E-09	3.50E-10	3.50E-10
URI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.10E-08	-6.10E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.08E-08	-5.67E-08	-5.67E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



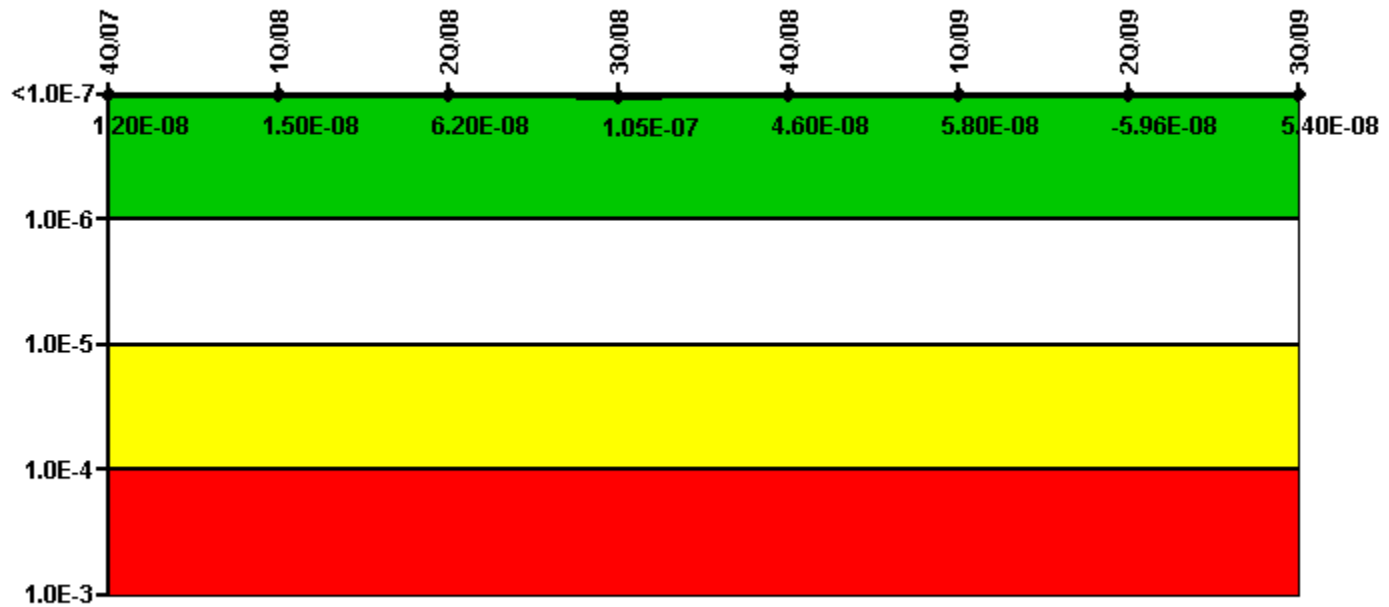
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	3.80E-08	5.10E-08	5.00E-08	5.00E-08	5.00E-08	5.00E-08	5.20E-08	5.40E-08
URI (ΔCDF)	8.80E-08	2.10E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.26E-07	2.61E-07	3.70E-07	3.70E-07	3.70E-07	3.70E-07	3.72E-07	3.74E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



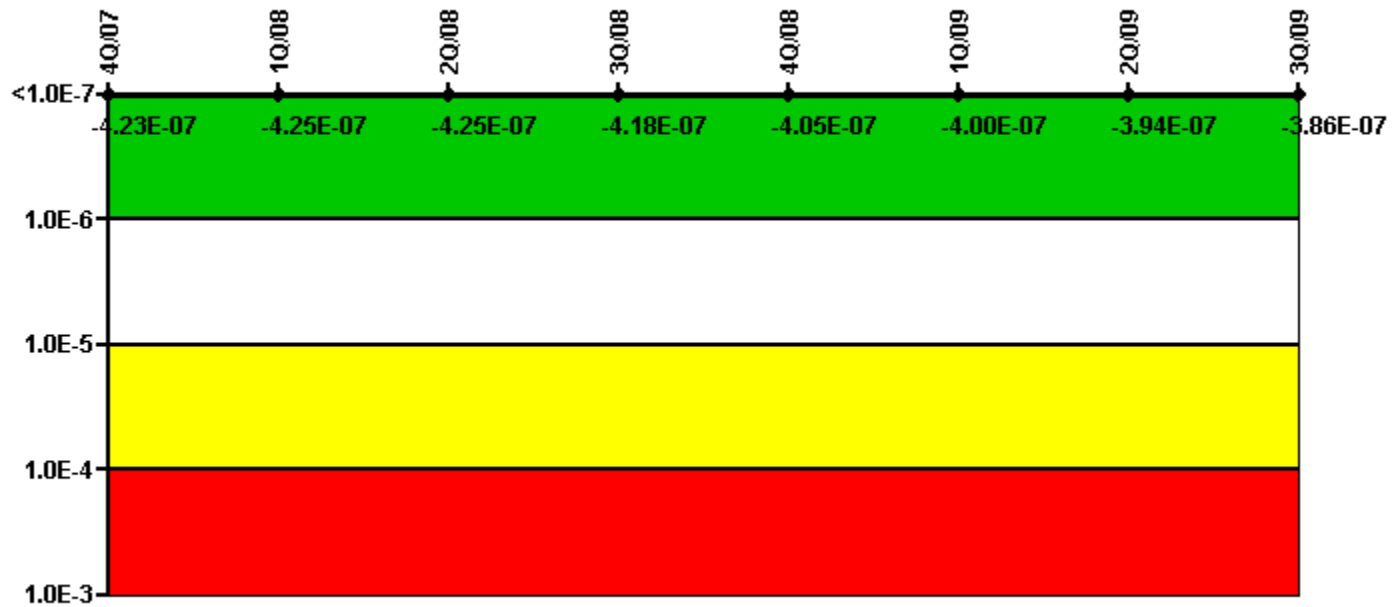
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-7.10E-08	-6.80E-08	-2.10E-08	2.20E-08	-3.70E-08	-2.50E-08	-3.60E-09	1.10E-07
URI (Δ CDF)	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	-5.60E-08	-5.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	1.50E-08	6.20E-08	1.05E-07	4.60E-08	5.80E-08	5.96E-08	5.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



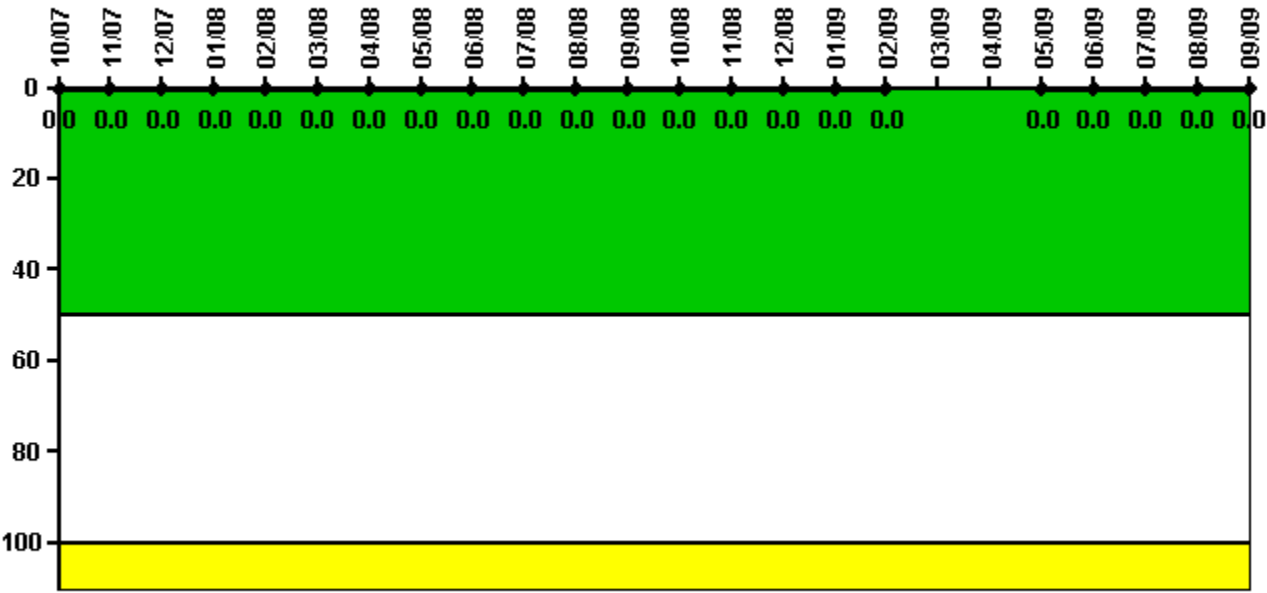
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	-7.30E-08	-7.50E-08	-7.50E-08	-6.80E-08	-5.50E-08	-5.00E-08	-4.40E-08	-3.60E-08
URI (Δ CDF)	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.23E-07	-4.25E-07	-4.25E-07	-4.18E-07	-4.05E-07	-4.00E-07	-3.94E-07	-3.86E-07

Licensee Comments: none

Reactor Coolant System Activity



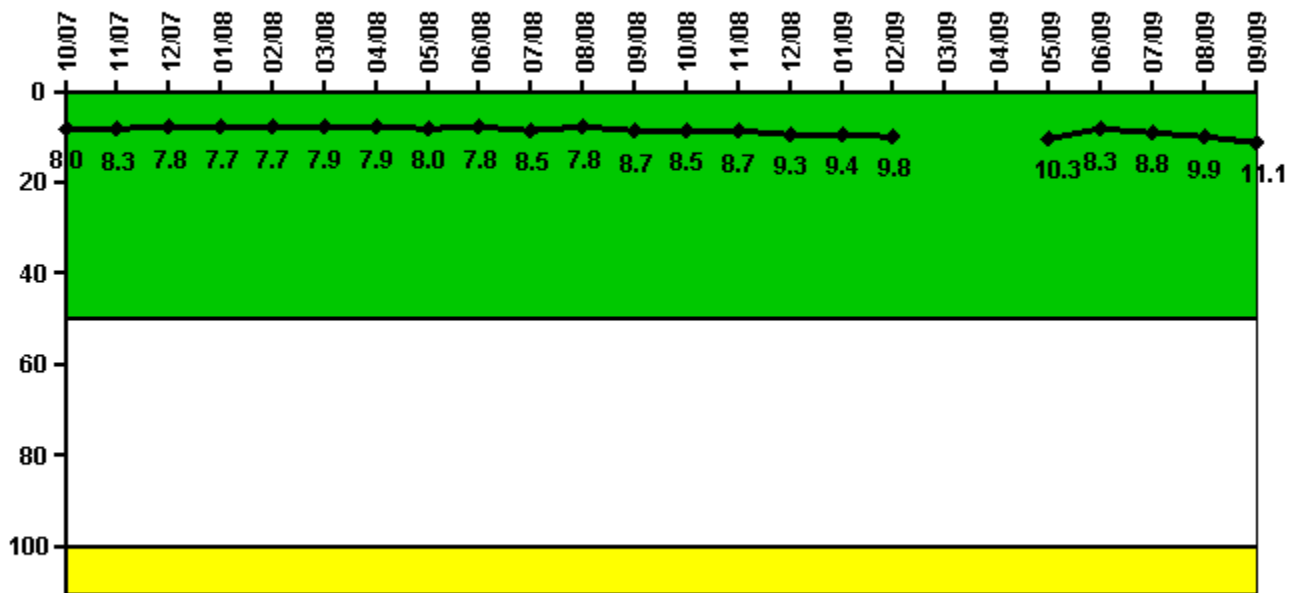
Thresholds: White > 50.0 Yellow > 100.0

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	0.000016	0.000017	0.000017	0.000017	0.000018	0.000018	0.000024	0.000023	0.000023	0.000021	0.000022	0.000033
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	0.000030	0.000030	0.000023	0.000022	0.000022	N/A	N/A	0.000008	0.000012	0.000015	0.000013	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	N/A	N/A	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



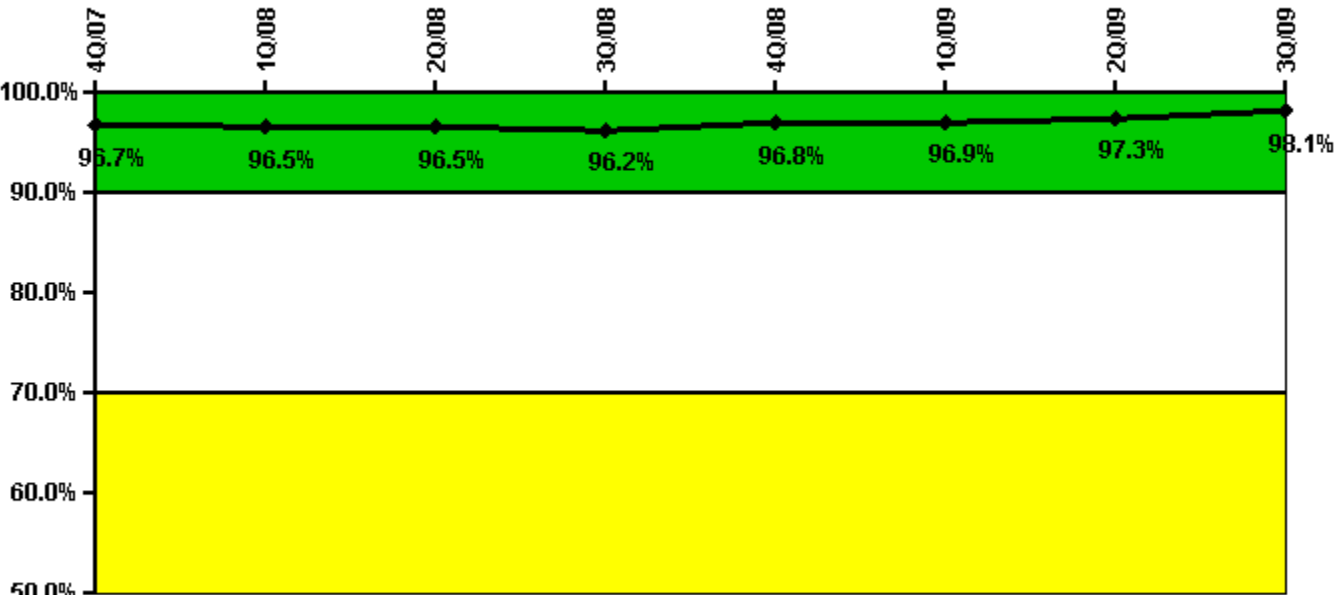
Thresholds: White > 50.0 Yellow > 100.0

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	2.400	2.500	2.340	2.320	2.310	2.380	2.370	2.410	2.340	2.540	2.350	2.620
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.0	8.3	7.8	7.7	7.7	7.9	7.9	8.0	7.8	8.5	7.8	8.7
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	2.560	2.620	2.800	2.820	2.940	N/A	N/A	3.100	2.500	2.650	2.980	3.330
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.5	8.7	9.3	9.4	9.8	N/A	N/A	10.3	8.3	8.8	9.9	11.1

Licensee Comments: none

Drill/Exercise Performance



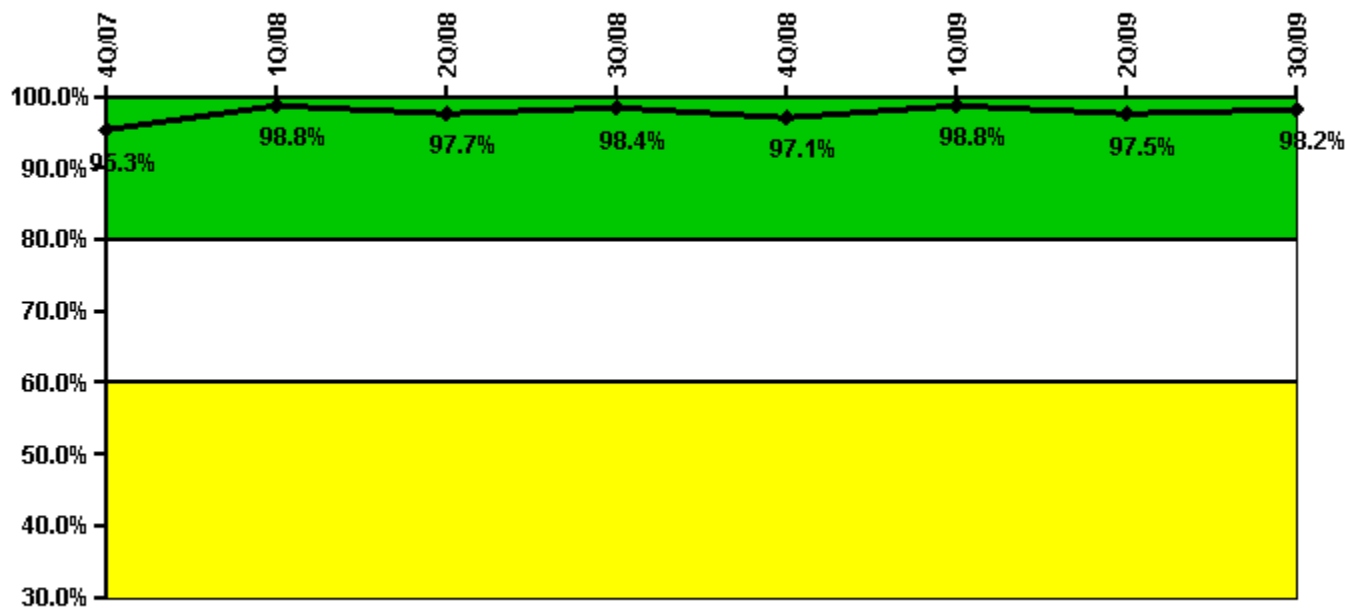
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	36.0	16.0	22.0	36.0	34.0	16.0	12.0	34.0
Total opportunities	37.0	16.0	22.0	39.0	34.0	16.0	12.0	34.0
Indicator value	96.7%	96.5%	96.5%	96.2%	96.8%	96.9%	97.3%	98.1%

Licensee Comments: none

ERO Drill Participation



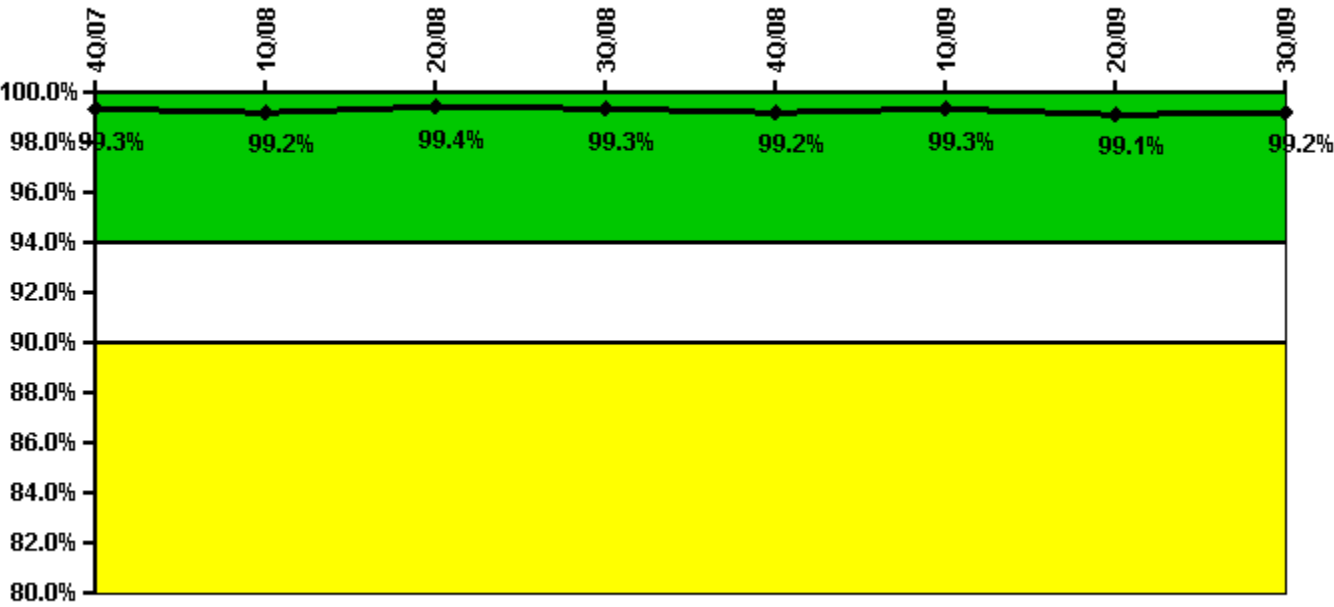
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	161.0	168.0	172.0	181.0	169.0	169.0	158.0	162.0
Total Key personnel	169.0	170.0	176.0	184.0	174.0	171.0	162.0	165.0
Indicator value	95.3%	98.8%	97.7%	98.4%	97.1%	98.8%	97.5%	98.2%

Licensee Comments: none

Alert & Notification System



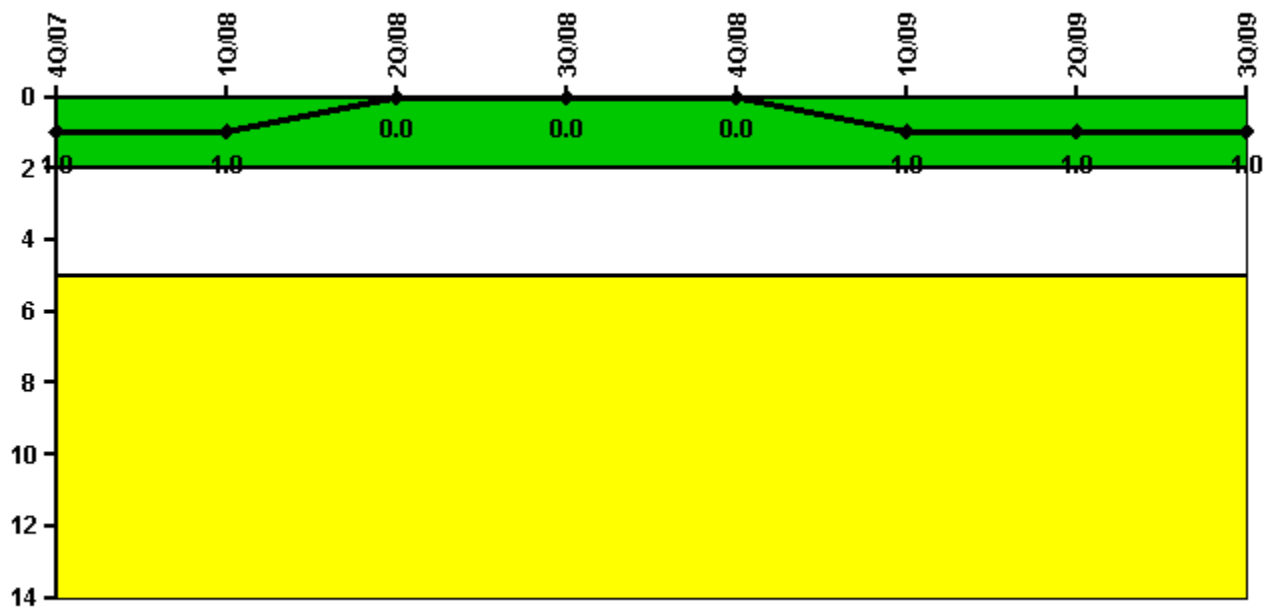
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	530	601	456	602	451	604	528	527
Total sirens-tests	532	608	456	608	456	608	532	532
Indicator value	99.3%	99.2%	99.4%	99.3%	99.2%	99.3%	99.1%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



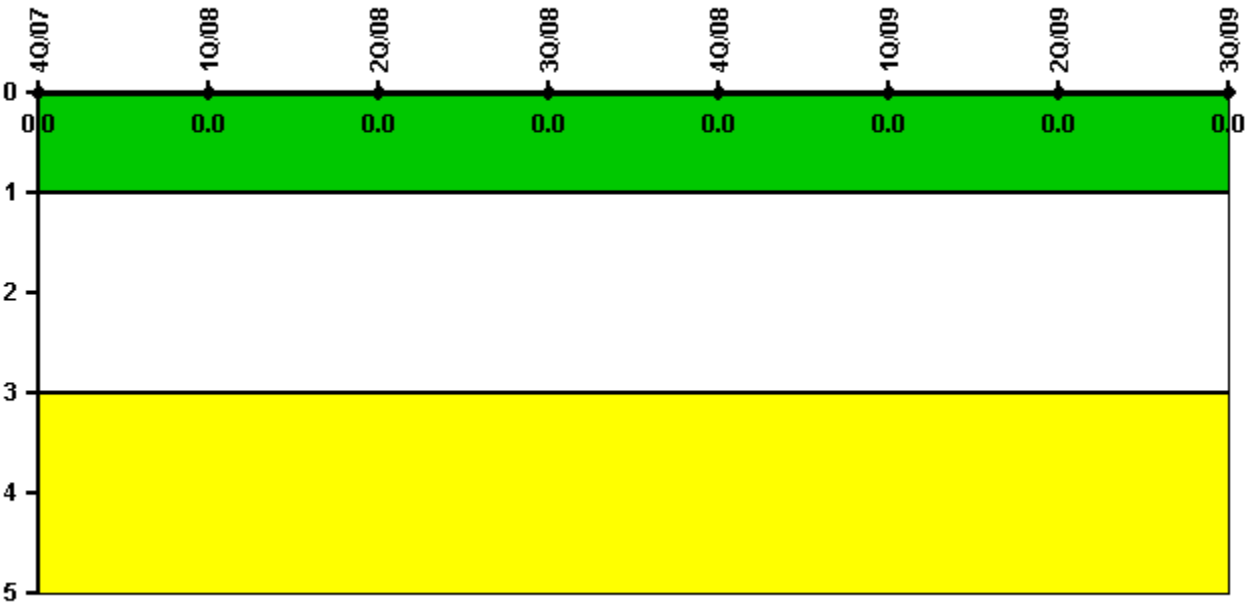
Thresholds: White > 2.0 Yellow > 5.0

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	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	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/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

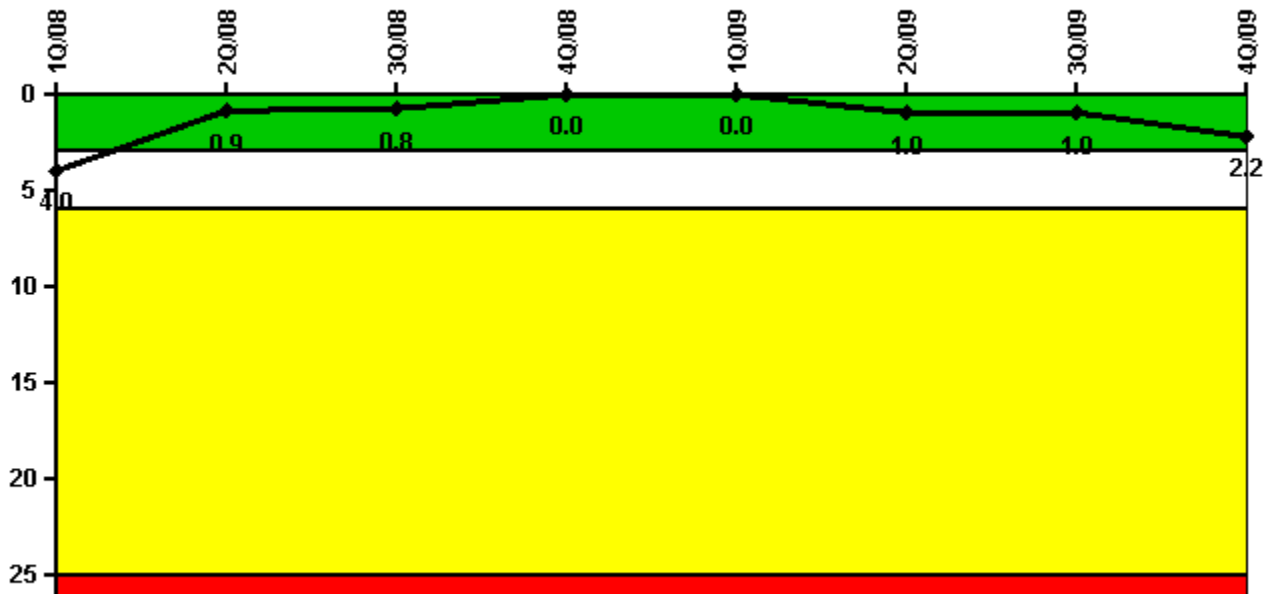
[Security](#) information not publicly available.

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4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



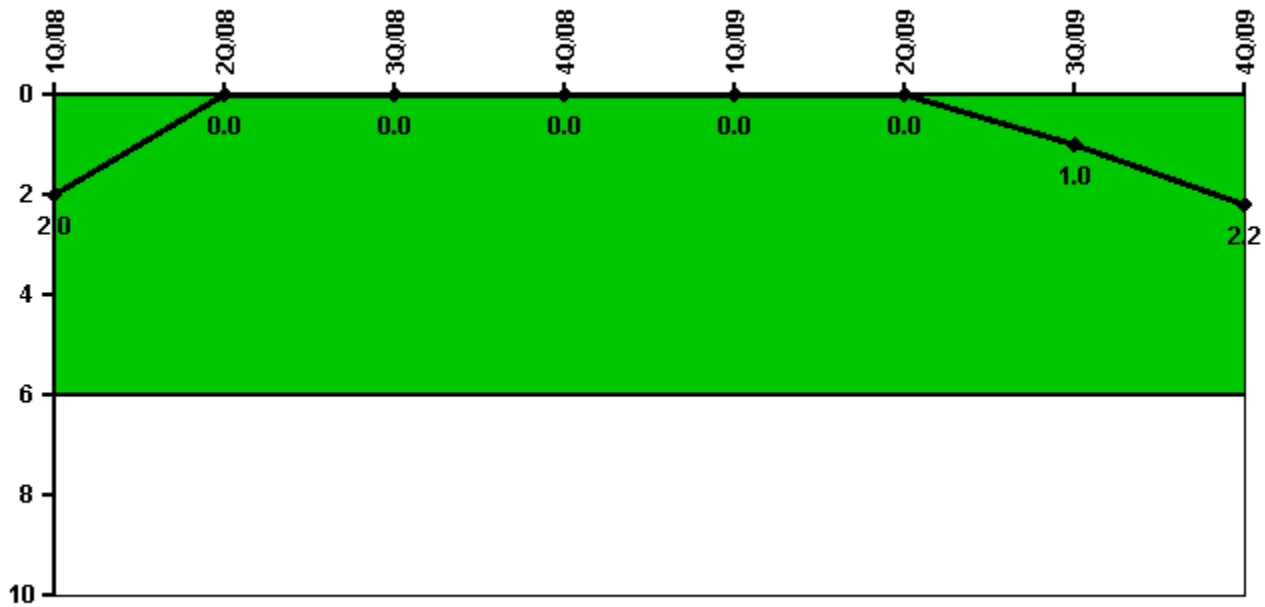
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0
Critical hours	2183.0	2000.9	2208.0	2209.0	1272.7	1134.7	2208.0	1801.9
Indicator value	4.0	0.9	0.8	0	0	1.0	1.0	2.2

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



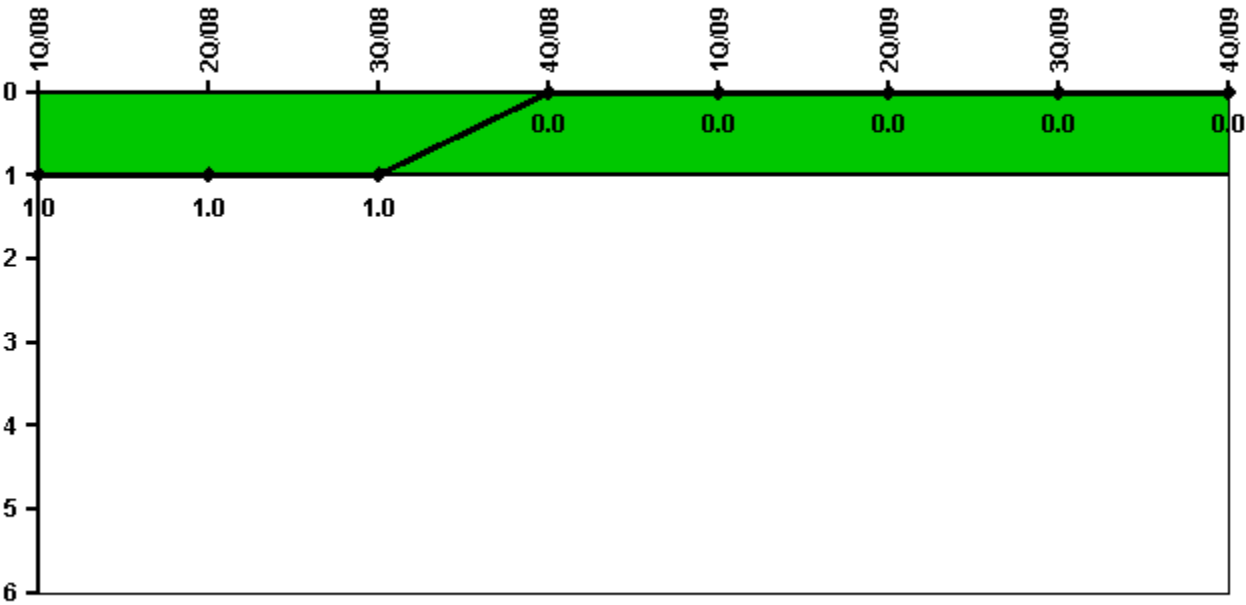
Thresholds: White > 6.0

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	0	0	0	0	0	0	1.0	1.0
Critical hours	2183.0	2000.9	2208.0	2209.0	1272.7	1134.7	2208.0	1801.9
Indicator value	2.0	0	0	0	0	0	1.0	2.2

Licensee Comments: none

Unplanned Scrams with Complications



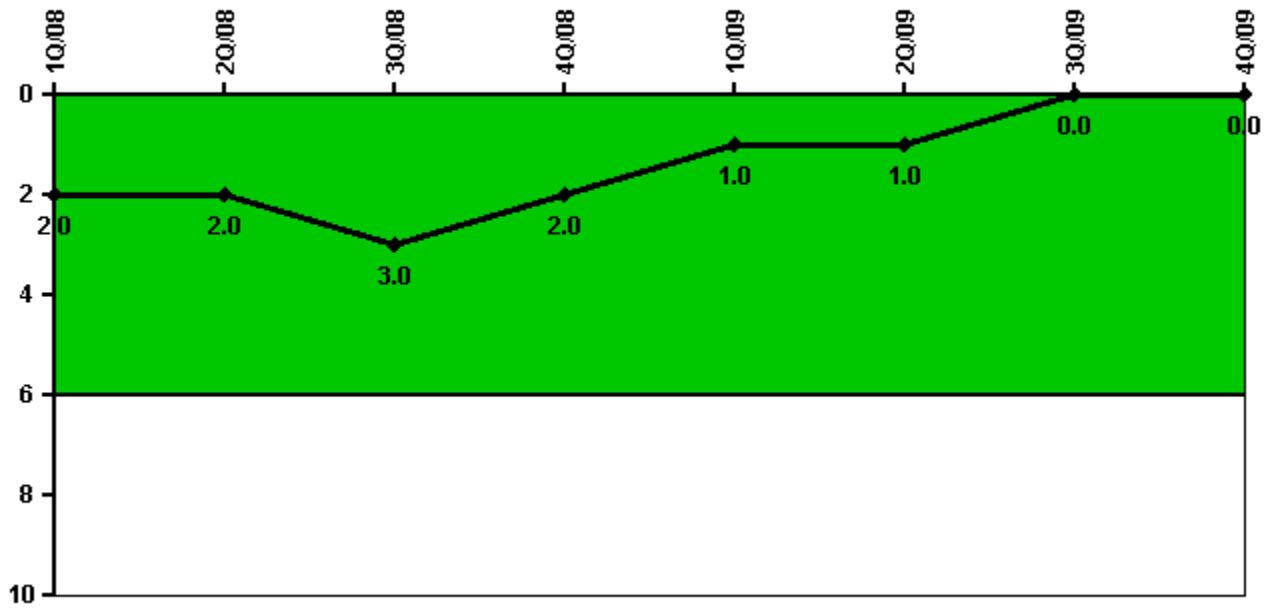
Thresholds: White > 1.0

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	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



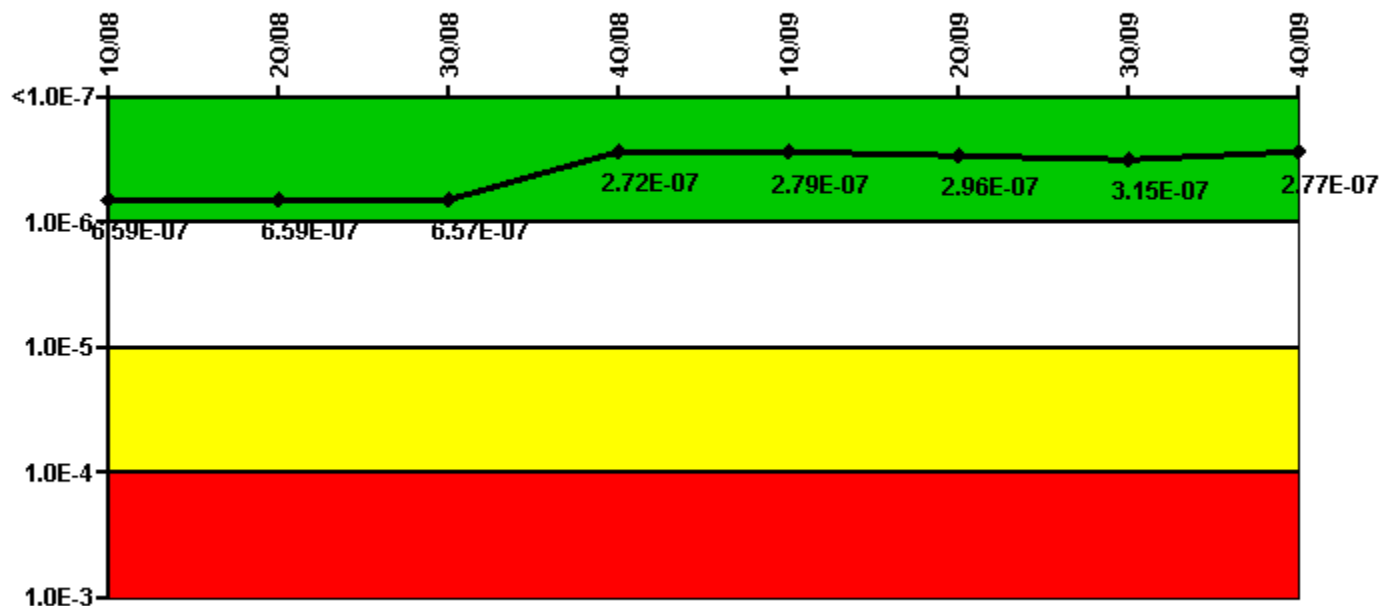
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	1	0	1	0	0	0	0	0
Indicator value	2	2	3	2	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

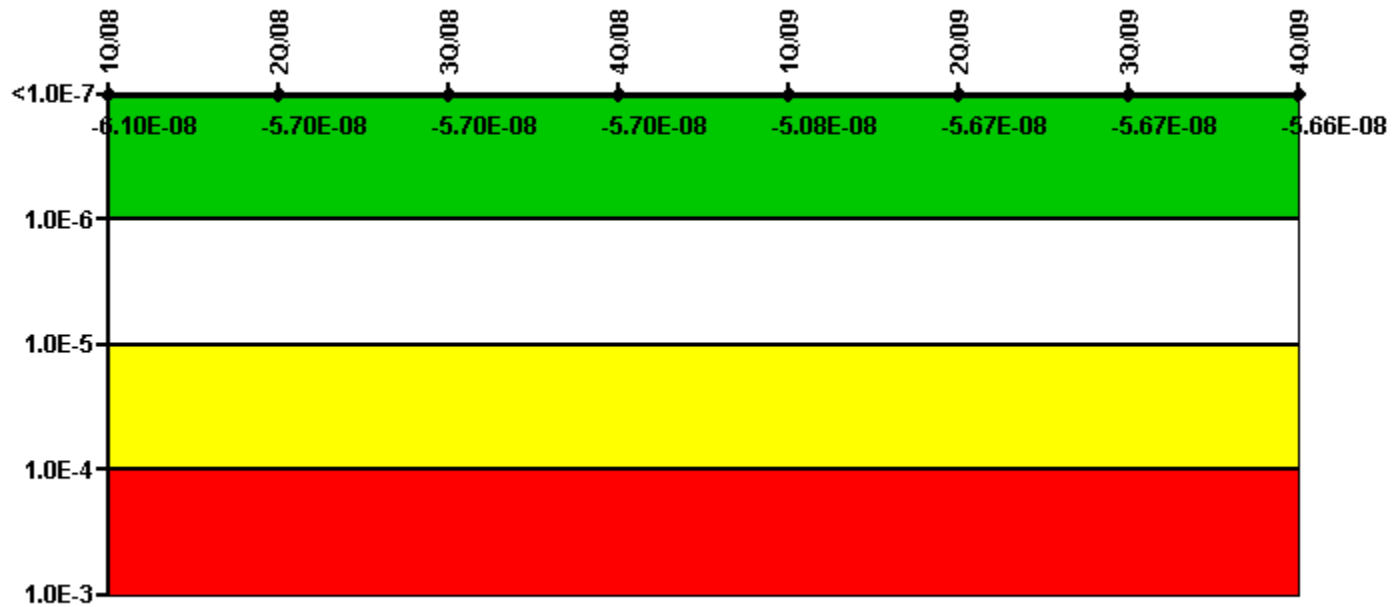
Notes

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 (ΔCDF)	4.90E-08	4.90E-08	4.70E-08	-8.30E-09	-5.20E-10	1.60E-08	3.50E-08	-2.90E-09
URI (ΔCDF)	6.10E-07	6.10E-07	6.10E-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	6.59E-07	6.59E-07	6.57E-07	2.72E-07	2.79E-07	2.96E-07	3.15E-07	2.77E-07

Licensee Comments:

4Q/09: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



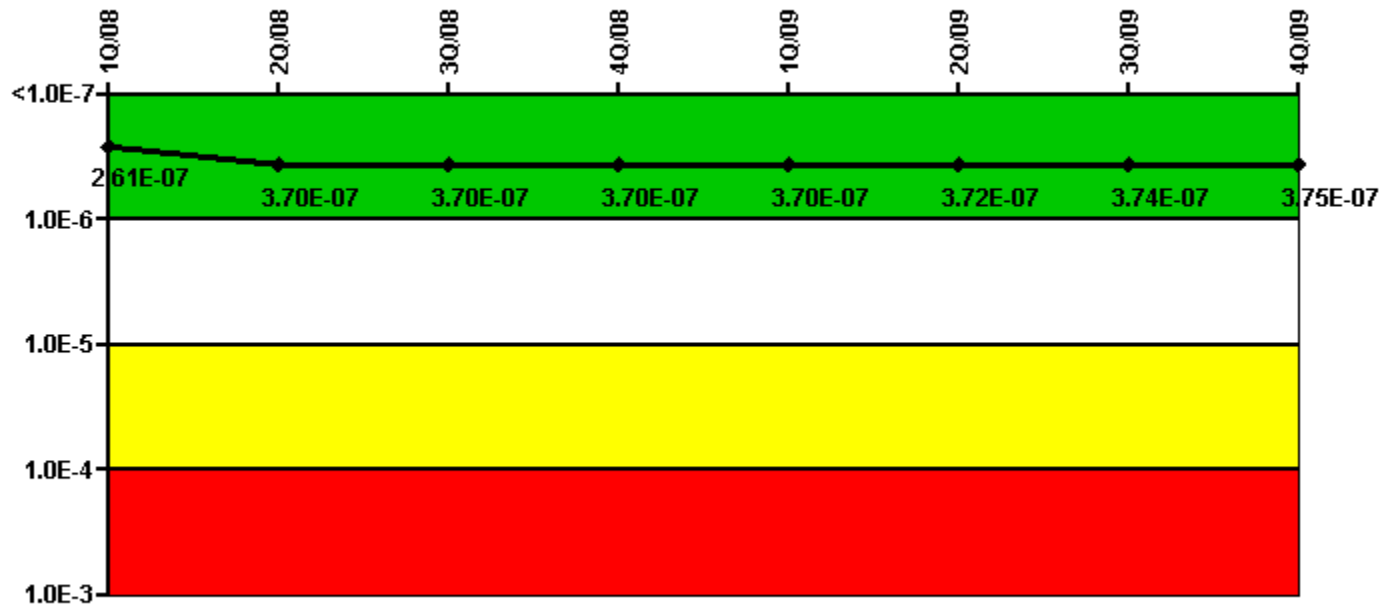
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-4.00E-09	1.20E-12	1.20E-12	1.20E-12	6.20E-09	3.50E-10	3.50E-10	4.10E-10
URI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.10E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.08E-08	-5.67E-08	-5.67E-08	-5.66E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



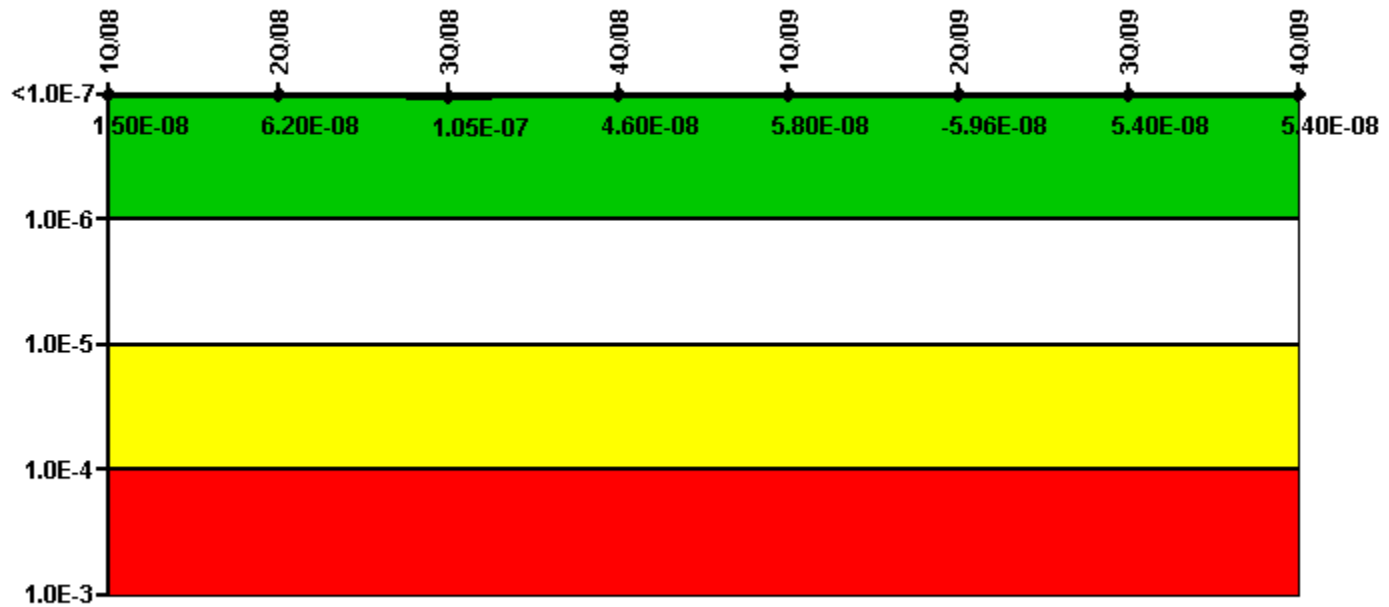
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	5.10E-08	5.00E-08	5.00E-08	5.00E-08	5.00E-08	5.20E-08	5.40E-08	5.50E-08
URI (Δ CDF)	2.10E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.61E-07	3.70E-07	3.70E-07	3.70E-07	3.70E-07	3.72E-07	3.74E-07	3.75E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



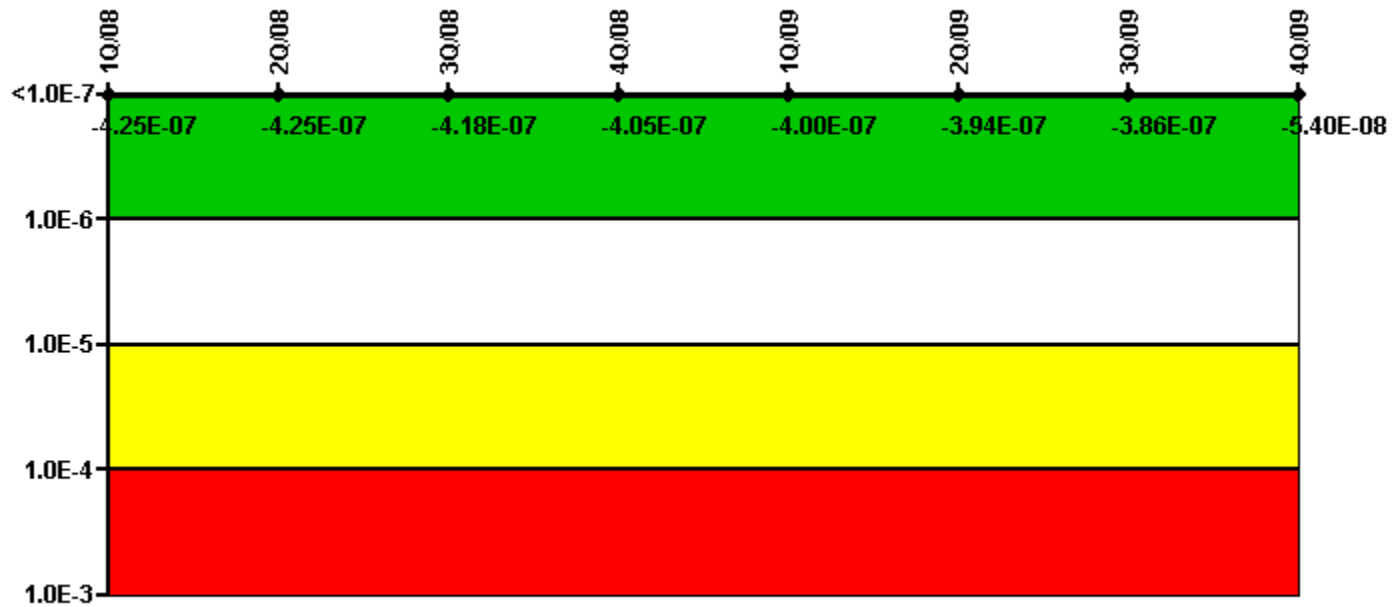
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-6.80E-08	-2.10E-08	2.20E-08	-3.70E-08	-2.50E-08	-3.60E-09	1.10E-07	1.10E-07
URI (ΔCDF)	8.30E-08	8.30E-08	8.30E-08	8.30E-08	8.30E-08	-5.60E-08	-5.60E-08	-5.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-08	6.20E-08	1.05E-07	4.60E-08	5.80E-08	-5.96E-08	5.40E-08	5.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



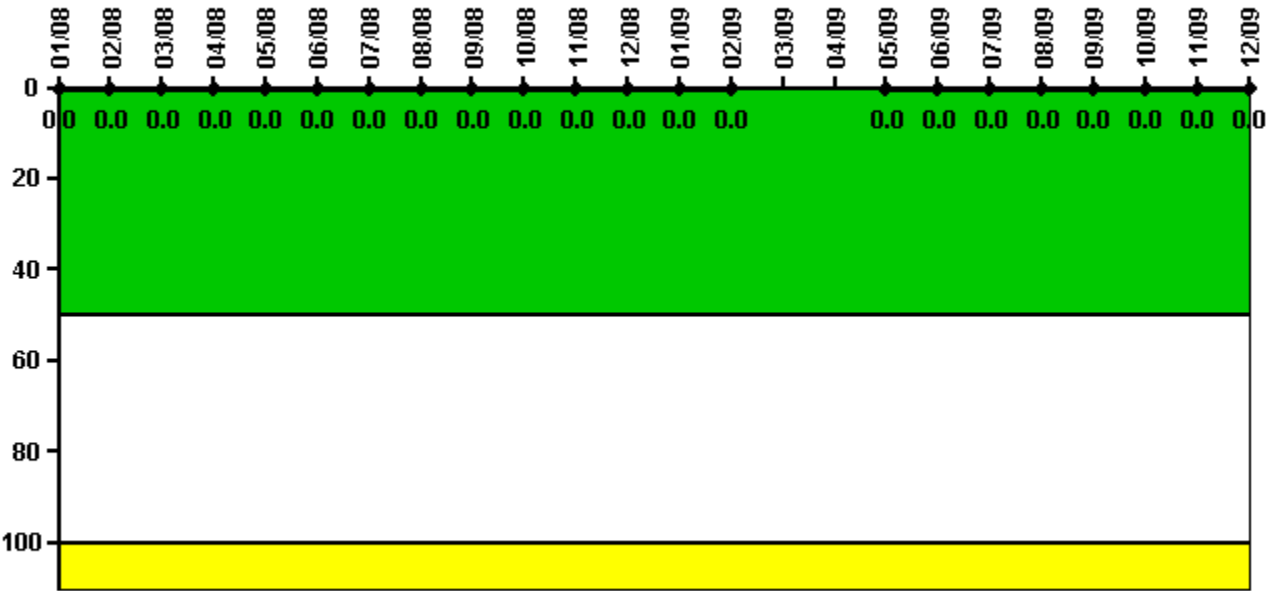
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-7.50E-08	-7.50E-08	-6.80E-08	-5.50E-08	-5.00E-08	-4.40E-08	-3.60E-08	-1.50E-08
URI (ΔCDF)	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.25E-07	-4.25E-07	-4.18E-07	-4.05E-07	-4.00E-07	-3.94E-07	-3.86E-07	-5.40E-08

Licensee Comments: none

Reactor Coolant System Activity



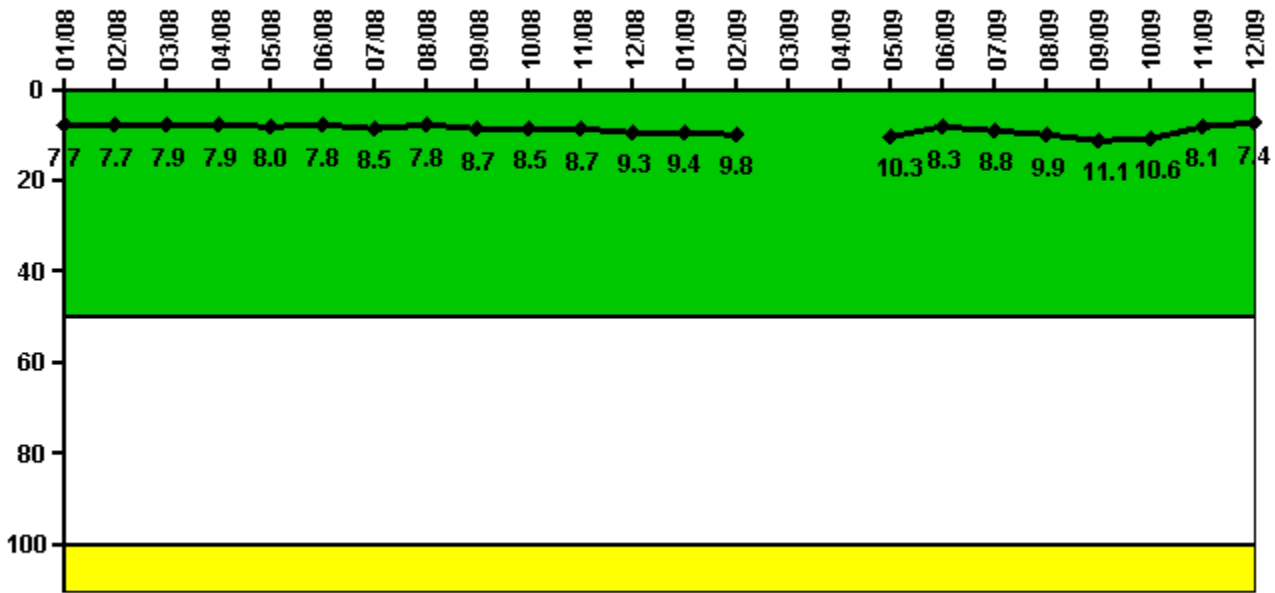
Thresholds: White > 50.0 Yellow > 100.0

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	0.000017	0.000018	0.000018	0.000024	0.000023	0.000023	0.000021	0.000022	0.000033	0.000030	0.000030	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	0.000022	0.000022	N/A	N/A	0.000008	0.000012	0.000015	0.000013	0.000012	0.000012	0.000014	0.000019
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	N/A	N/A	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



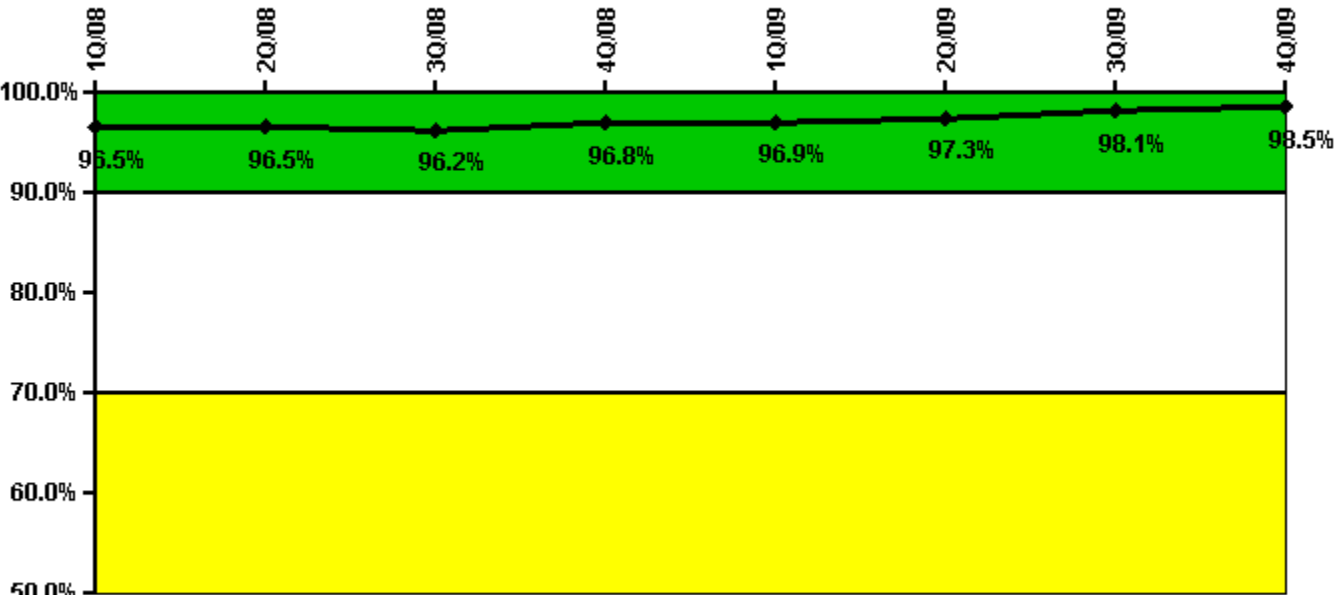
Thresholds: White > 50.0 Yellow > 100.0

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	2.320	2.310	2.380	2.370	2.410	2.340	2.540	2.350	2.620	2.560	2.620	2.800
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.7	7.7	7.9	7.9	8.0	7.8	8.5	7.8	8.7	8.5	8.7	9.3
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	2.820	2.940	N/A	N/A	3.100	2.500	2.650	2.980	3.330	3.170	2.420	2.230
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.4	9.8	N/A	N/A	10.3	8.3	8.8	9.9	11.1	10.6	8.1	7.4

Licensee Comments: none

Drill/Exercise Performance



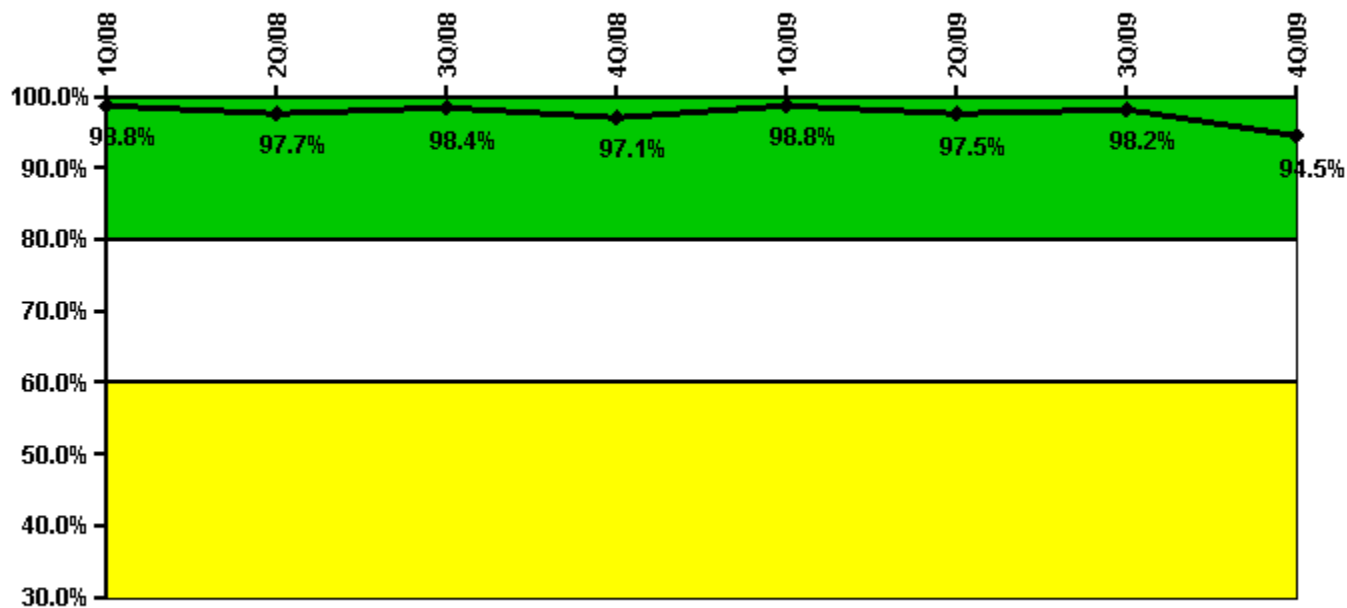
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	16.0	22.0	36.0	34.0	16.0	12.0	34.0	30.0
Total opportunities	16.0	22.0	39.0	34.0	16.0	12.0	34.0	30.0
Indicator value	96.5%	96.5%	96.2%	96.8%	96.9%	97.3%	98.1%	98.5%

Licensee Comments: none

ERO Drill Participation



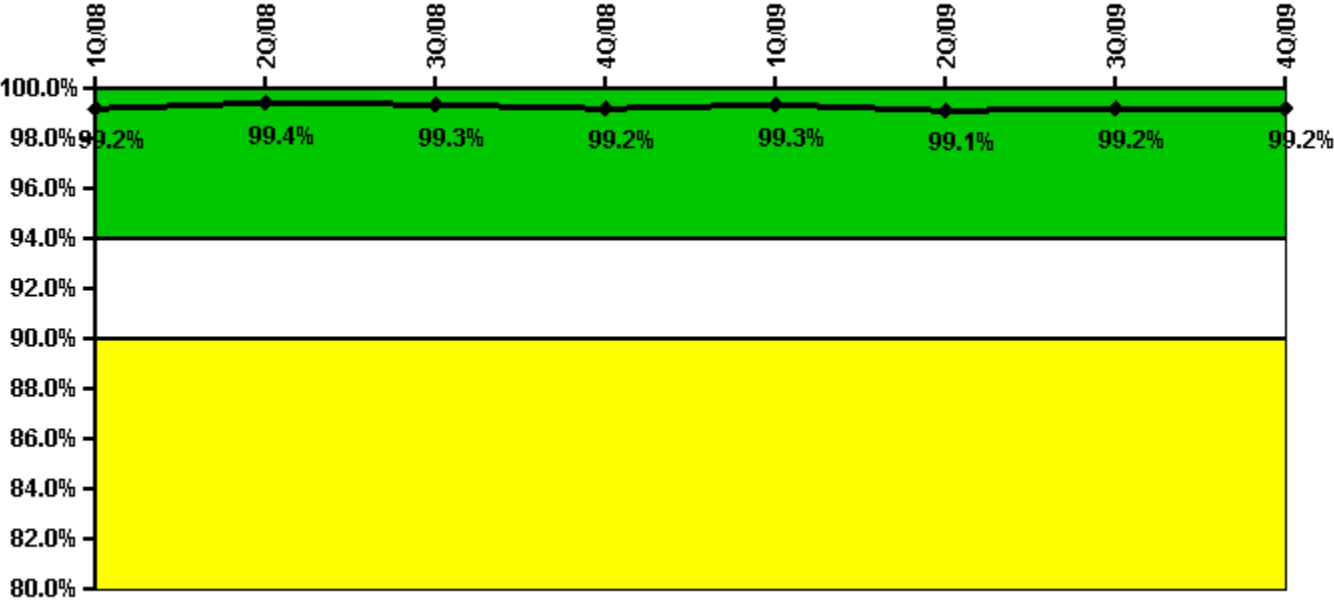
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	168.0	172.0	181.0	169.0	169.0	158.0	162.0	156.0
Total Key personnel	170.0	176.0	184.0	174.0	171.0	162.0	165.0	165.0
Indicator value	98.8%	97.7%	98.4%	97.1%	98.8%	97.5%	98.2%	94.5%

Licensee Comments: none

Alert & Notification System



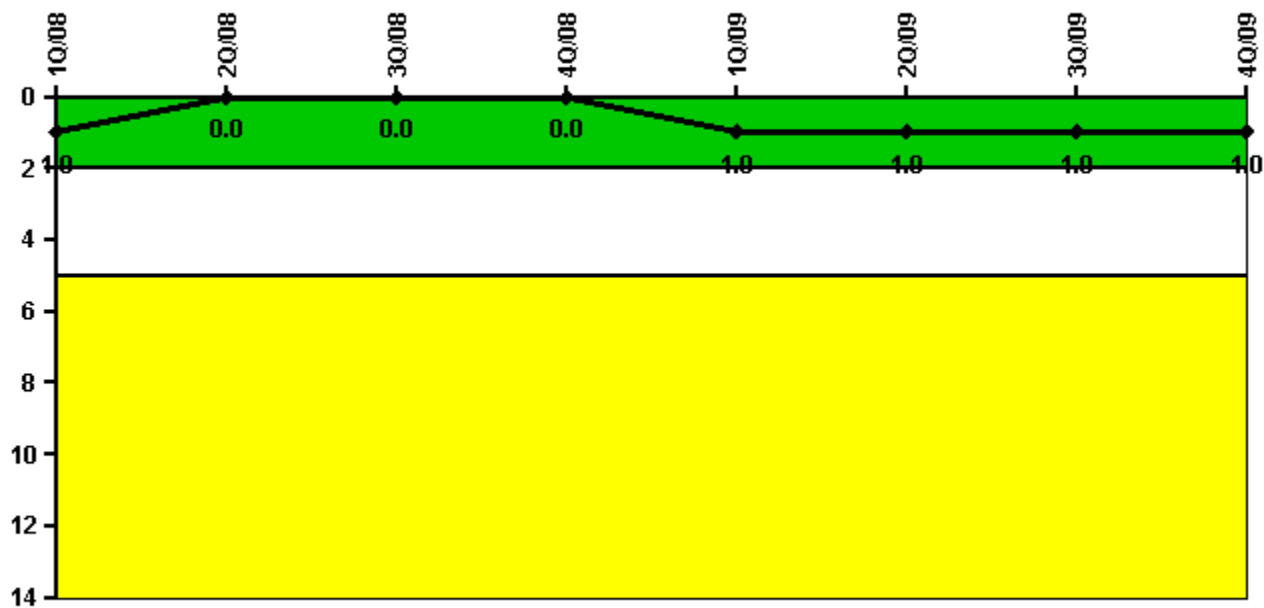
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	601	456	602	451	604	528	527	451
Total sirens-tests	608	456	608	456	608	532	532	456
Indicator value	99.2%	99.4%	99.3%	99.2%	99.3%	99.1%	99.2%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



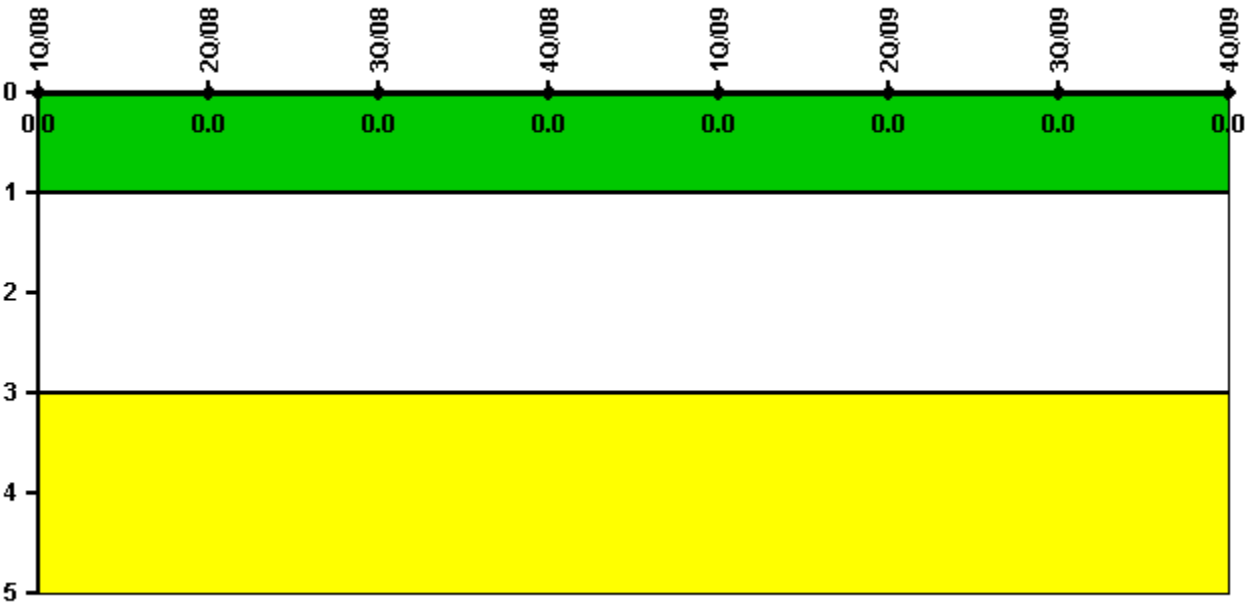
Thresholds: White > 2.0 Yellow > 5.0

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	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	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/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

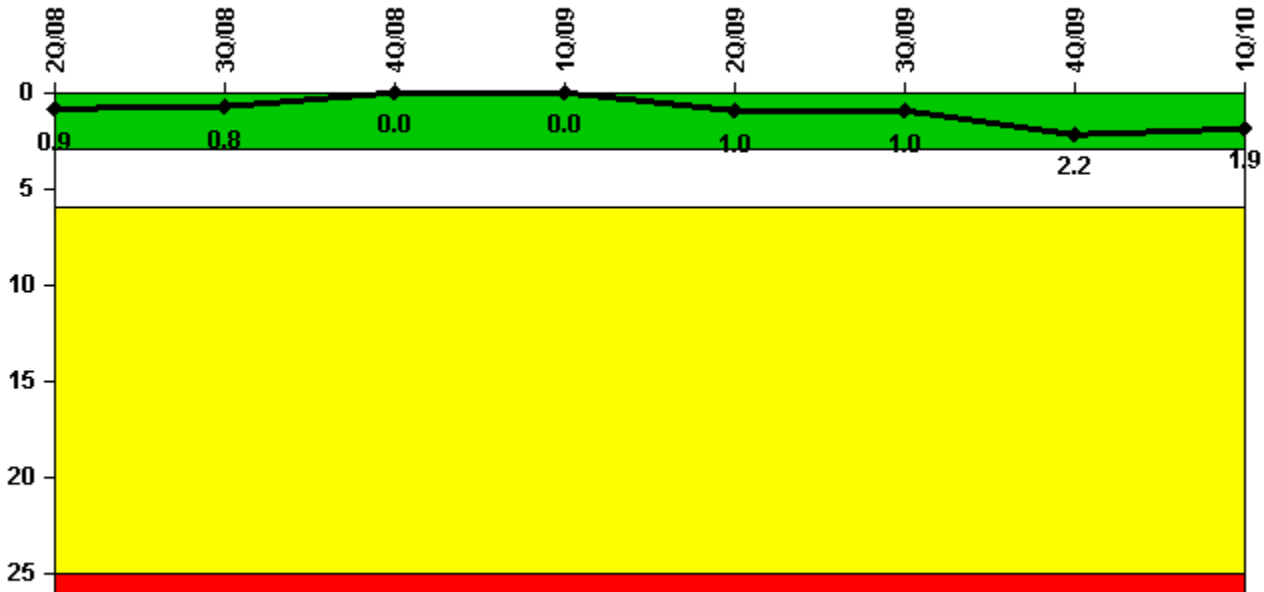
[Security](#) information not publicly available.

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1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



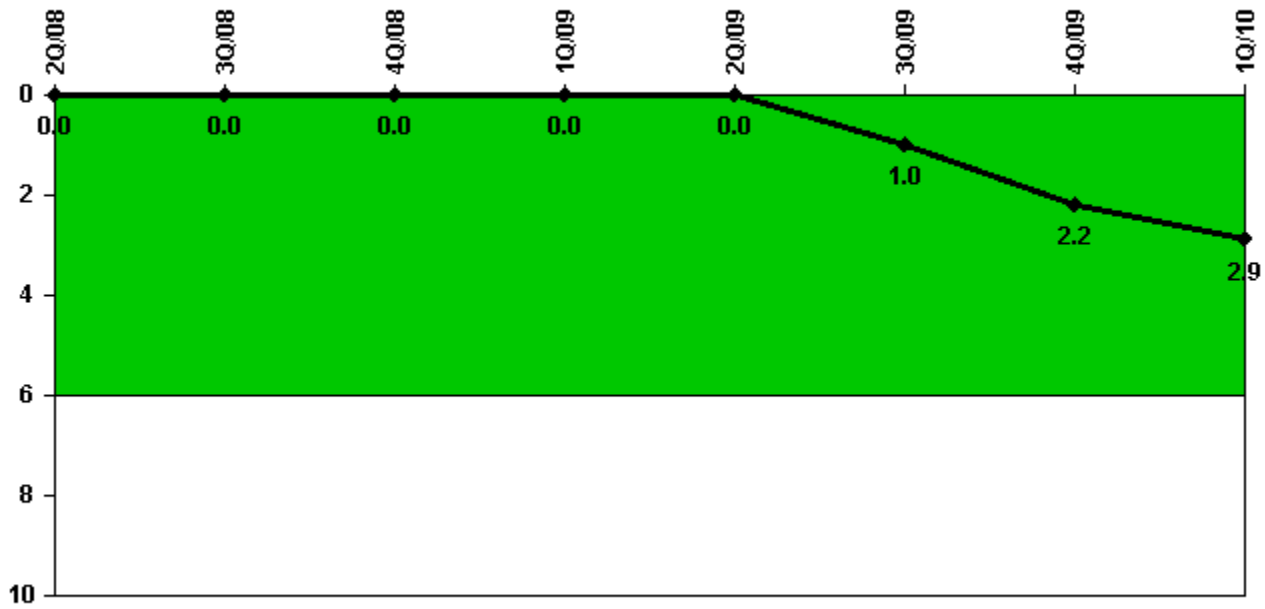
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0
Critical hours	2000.9	2208.0	2209.0	1272.7	1134.7	2208.0	1801.9	2159.0
Indicator value	0.9	0.8	0	0	1.0	1.0	2.2	1.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



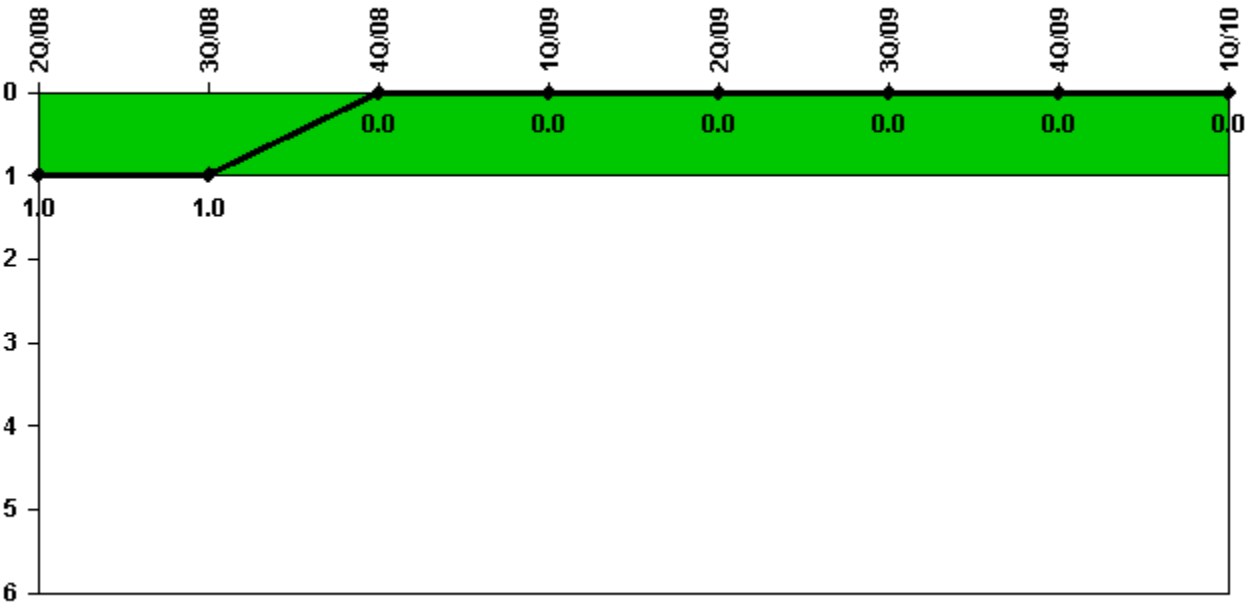
Thresholds: White > 6.0

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	0	0	0	1.0	1.0	1.0
Critical hours	2000.9	2208.0	2209.0	1272.7	1134.7	2208.0	1801.9	2159.0
Indicator value	0	0	0	0	0	1.0	2.2	2.9

Licensee Comments: none

Unplanned Scrams with Complications



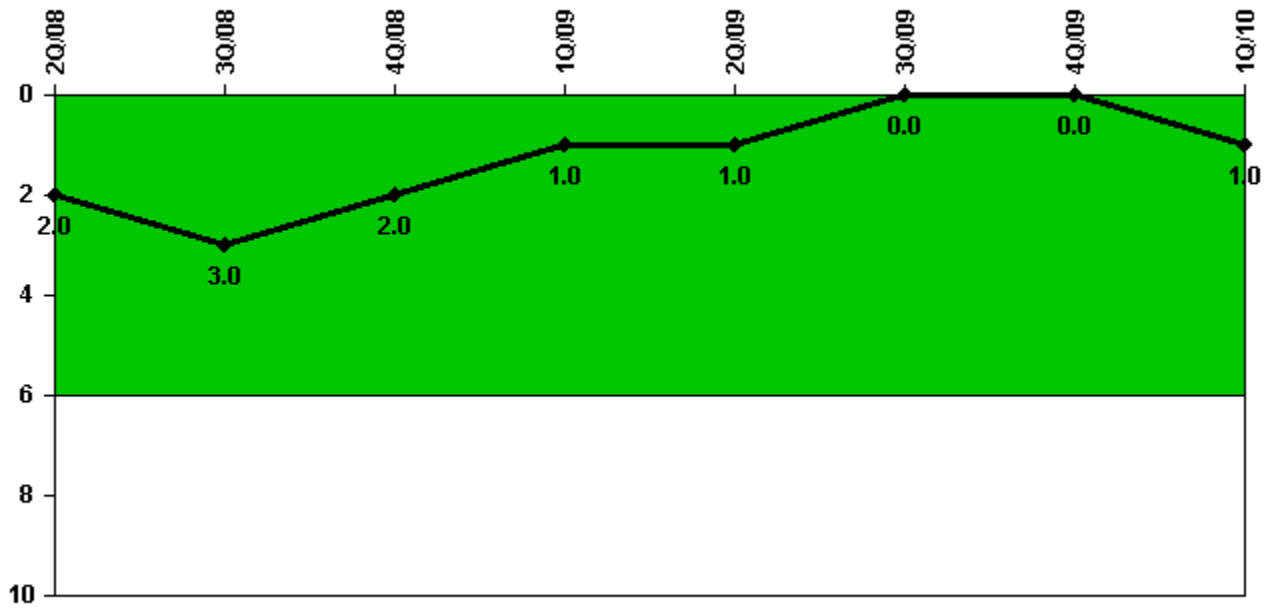
Thresholds: White > 1.0

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	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



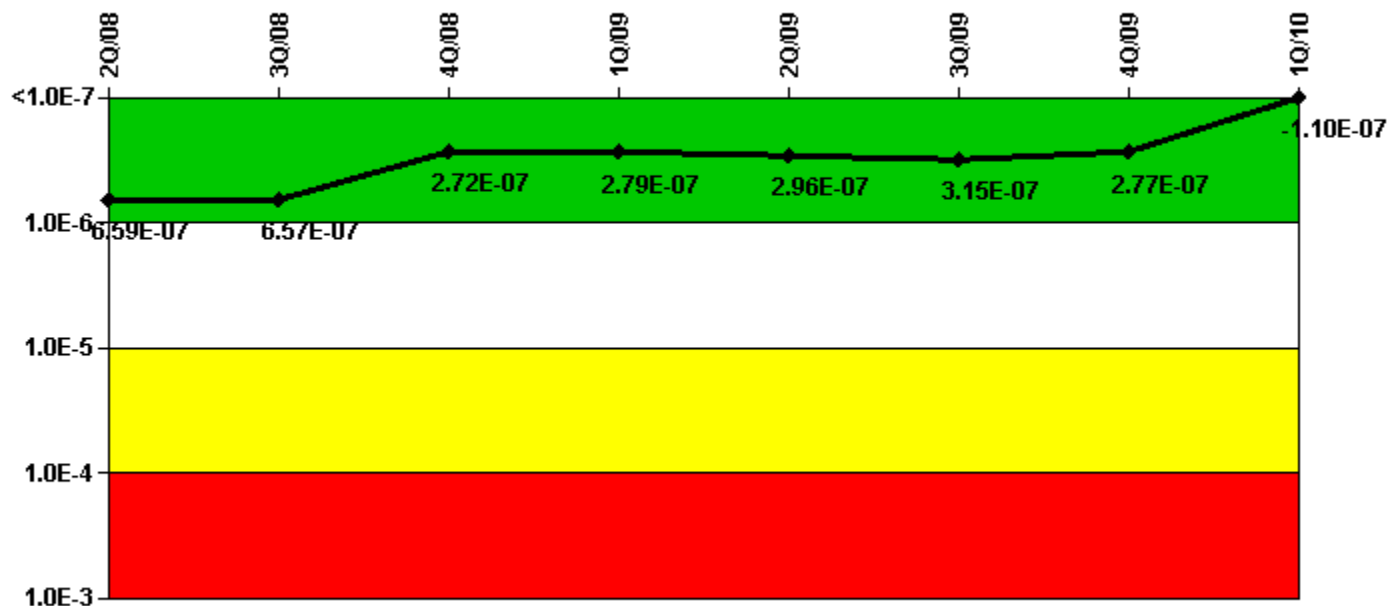
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	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	1
Indicator value	2	3	2	1	1	0	0	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



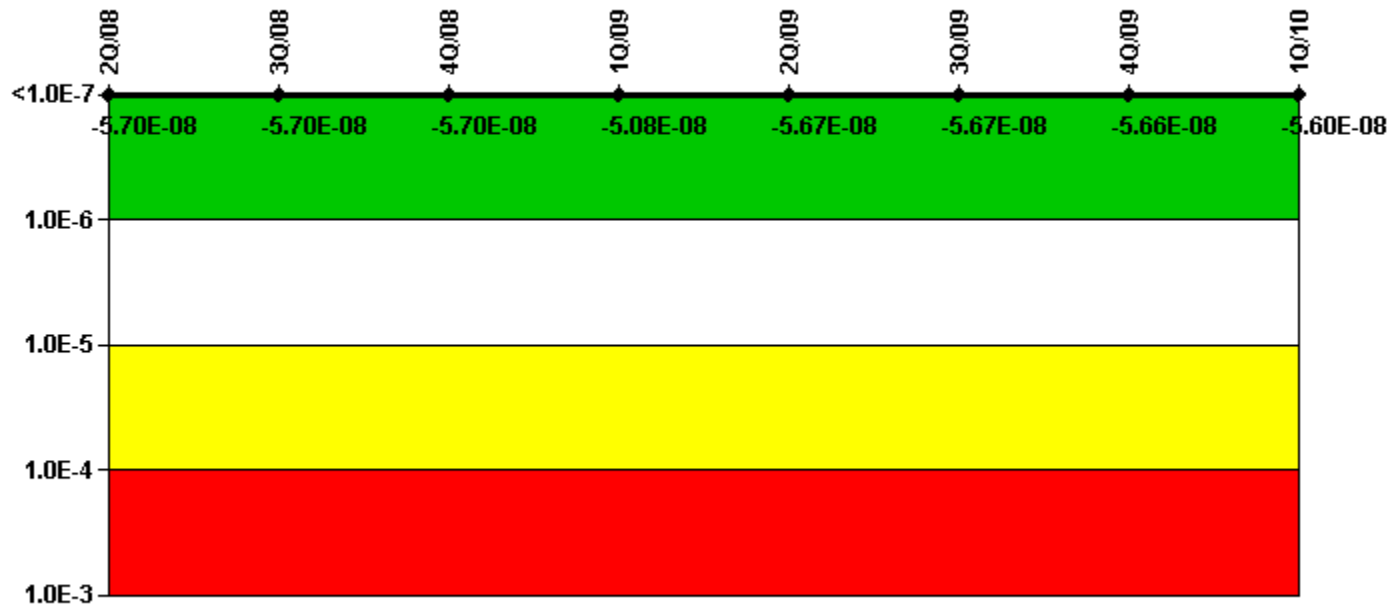
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	4.90E-08	4.70E-08	-8.30E-09	-5.20E-10	1.60E-08	3.50E-08	-2.90E-09	1.06E-07
URI (Δ CDF)	6.10E-07	6.10E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-2.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.59E-07	6.57E-07	2.72E-07	2.79E-07	2.96E-07	3.15E-07	2.77E-07	-1.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



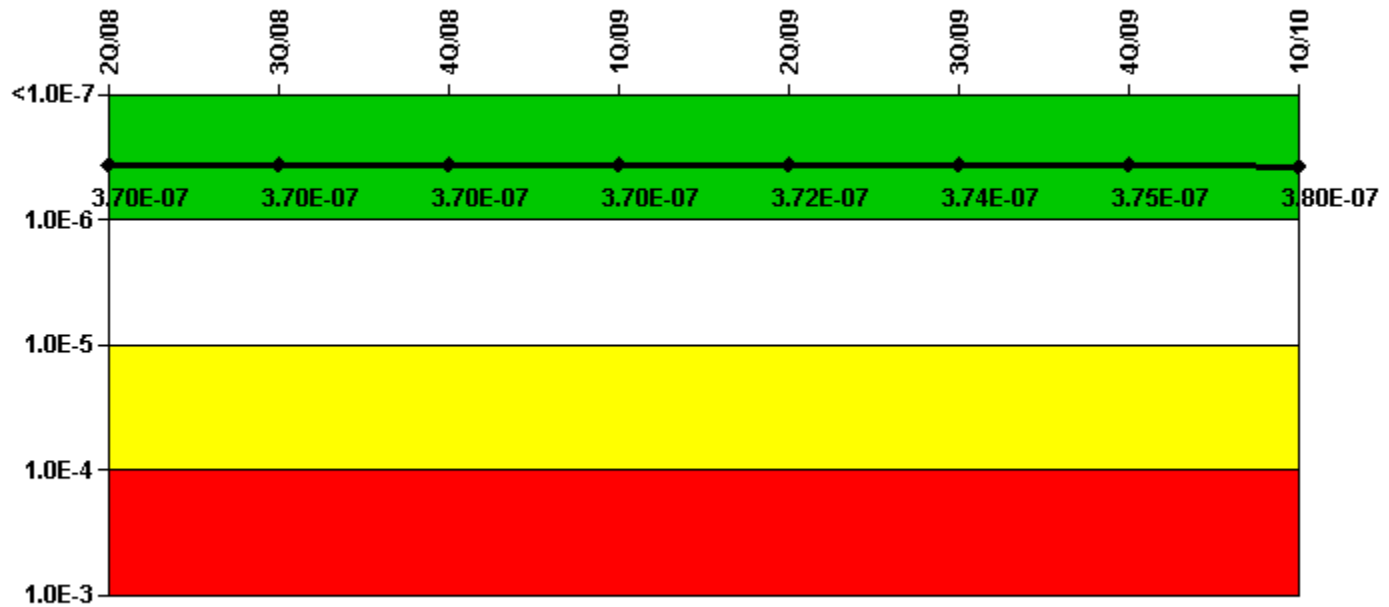
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	1.20E-12	1.20E-12	1.20E-12	6.20E-09	3.50E-10	3.50E-10	4.10E-10	4.10E-10
URI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.70E-08	-5.70E-08	-5.70E-08	-5.08E-08	-5.67E-08	-5.67E-08	-5.66E-08	-5.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



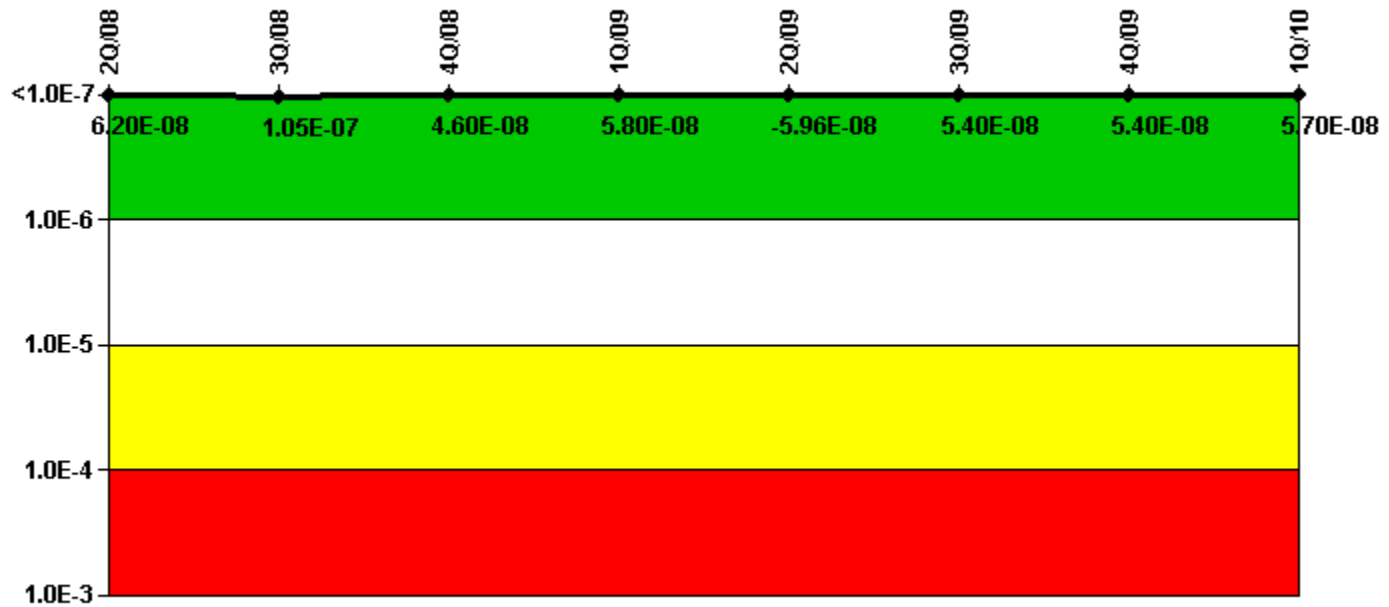
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	5.00E-08	5.00E-08	5.00E-08	5.00E-08	5.20E-08	5.40E-08	5.50E-08	5.48E-08
URI (Δ CDF)	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.70E-07	3.70E-07	3.70E-07	3.70E-07	3.72E-07	3.74E-07	3.75E-07	3.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



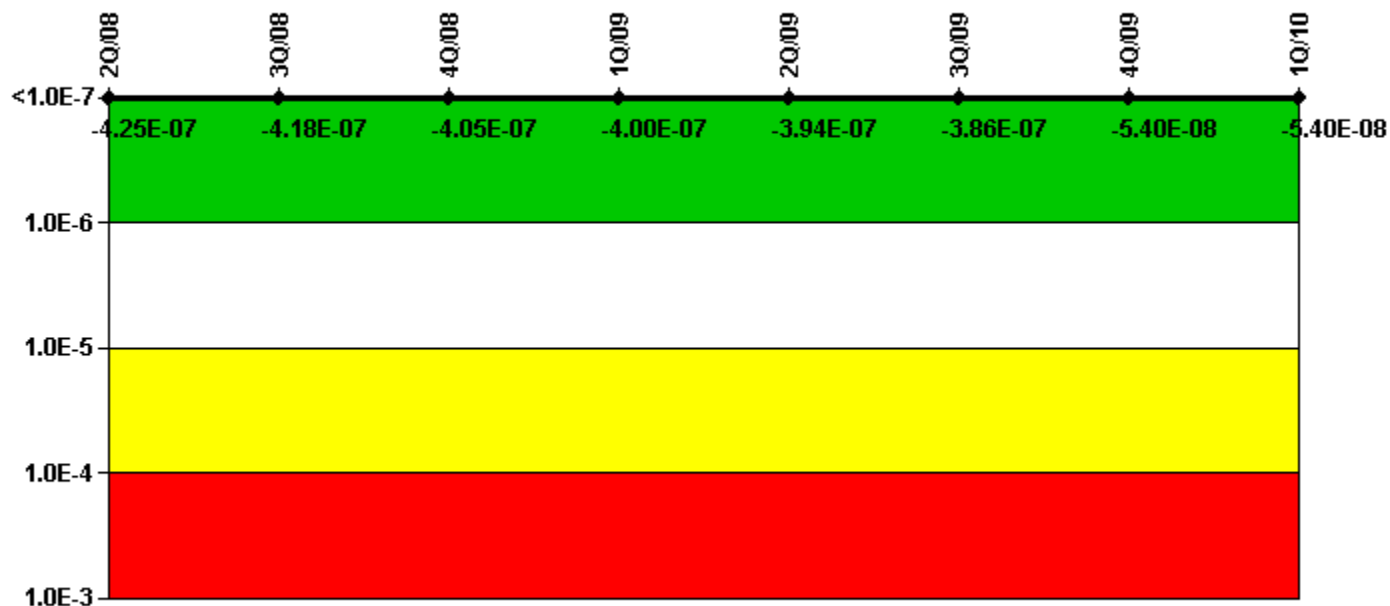
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-2.10E-08	2.20E-08	-3.70E-08	-2.50E-08	-3.60E-09	1.10E-07	1.10E-07	1.13E-07
URI (Δ CDF)	8.30E-08	8.30E-08	8.30E-08	8.30E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.20E-08	1.05E-07	4.60E-08	5.80E-08	-5.96E-08	5.40E-08	5.40E-08	5.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



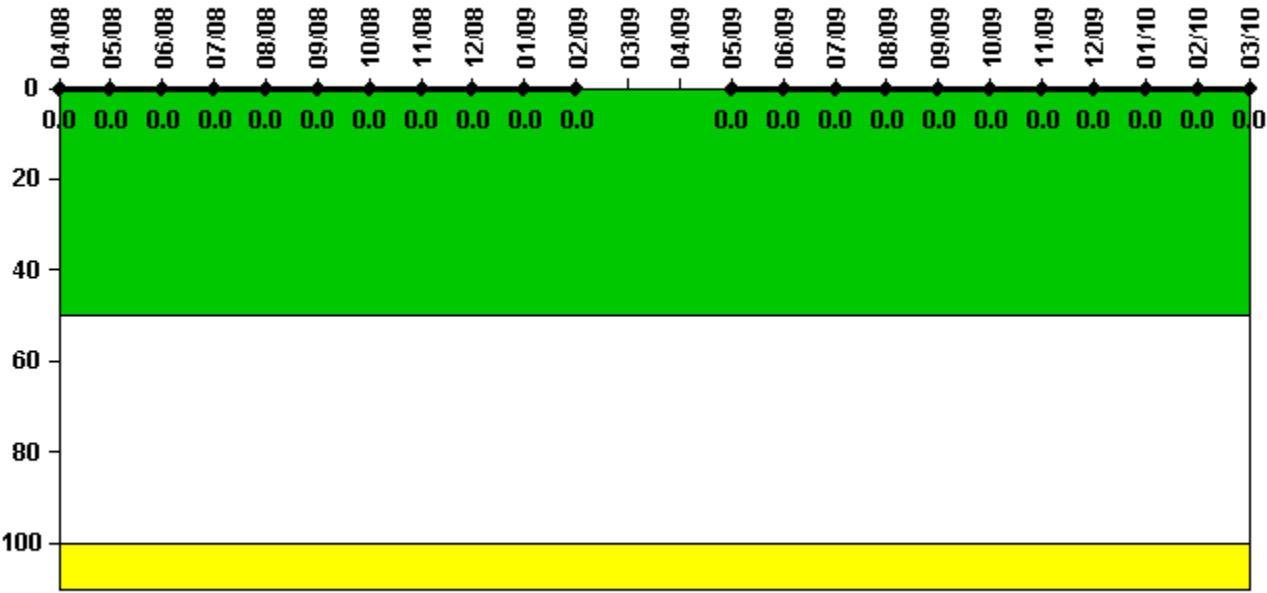
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-7.50E-08	-6.80E-08	-5.50E-08	-5.00E-08	-4.40E-08	-3.60E-08	-1.50E-08	-1.48E-08
URI (Δ CDF)	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.90E-08	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.25E-07	-4.18E-07	-4.05E-07	-4.00E-07	-3.94E-07	-3.86E-07	-5.40E-08	-5.40E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

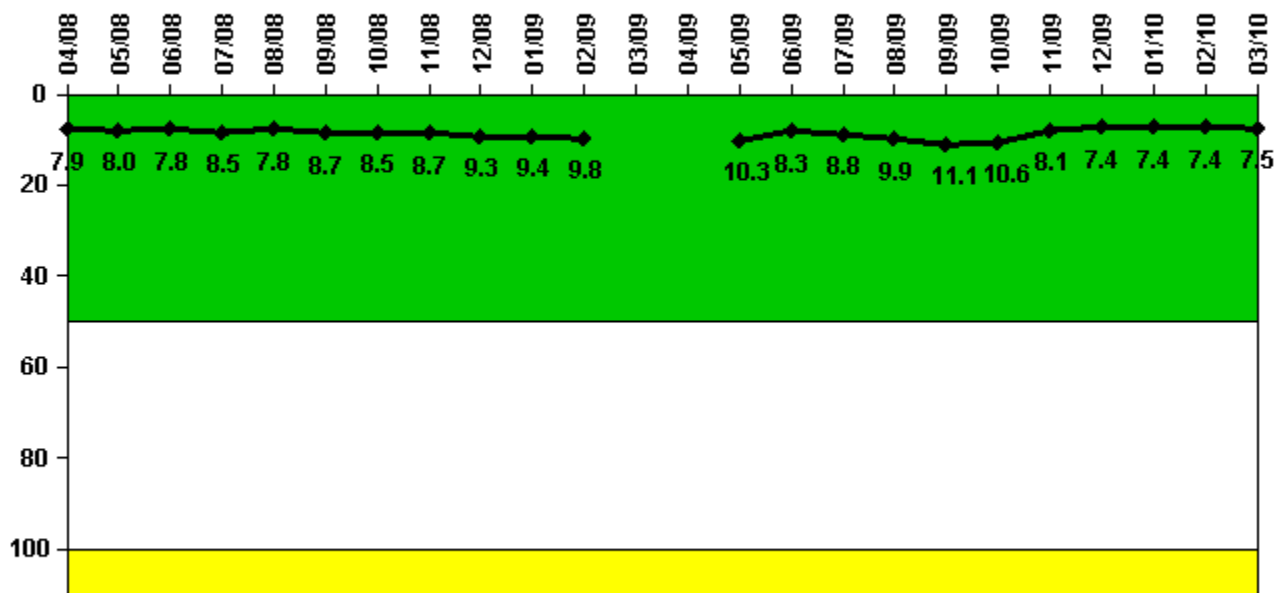
Notes

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	0.000024	0.000023	0.000023	0.000021	0.000022	0.000033	0.000030	0.000030	0.000023	0.000022	0.000022	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	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	N/A	0.000008	0.000012	0.000015	0.000013	0.000012	0.000012	0.000014	0.000019	0.000017	0.000018	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



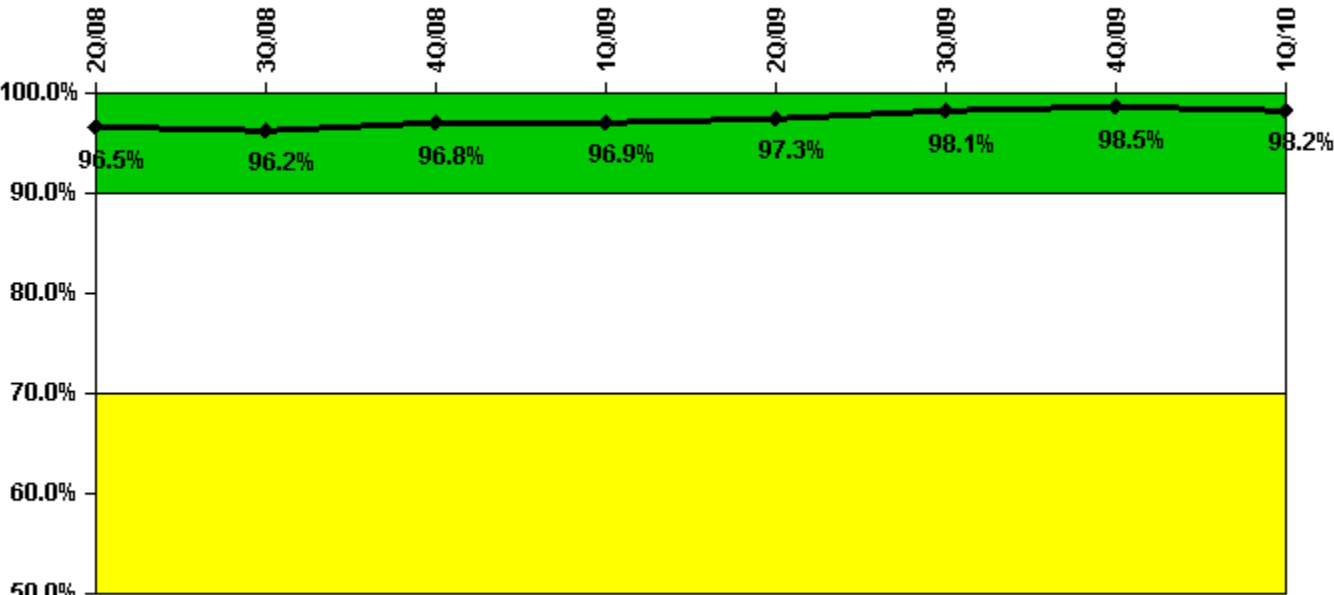
Thresholds: White > 50.0 Yellow > 100.0

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	2.370	2.410	2.340	2.540	2.350	2.620	2.560	2.620	2.800	2.820	2.940	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.9	8.0	7.8	8.5	7.8	8.7	8.5	8.7	9.3	9.4	9.8	N/A
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	N/A	3.100	2.500	2.650	2.980	3.330	3.170	2.420	2.230	2.230	2.230	2.240
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	10.3	8.3	8.8	9.9	11.1	10.6	8.1	7.4	7.4	7.4	7.5

Licensee Comments: none

Drill/Exercise Performance



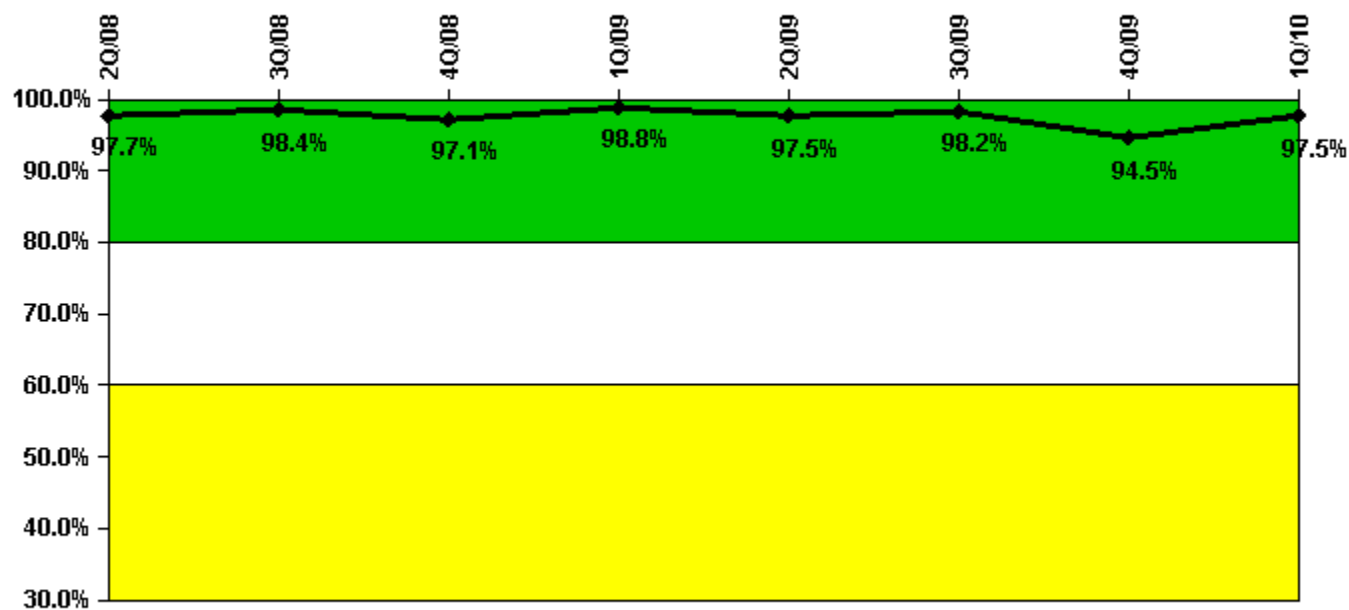
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	22.0	36.0	34.0	16.0	12.0	34.0	30.0	37.0
Total opportunities	22.0	39.0	34.0	16.0	12.0	34.0	30.0	38.0
Indicator value	96.5%	96.2%	96.8%	96.9%	97.3%	98.1%	98.5%	98.2%

Licensee Comments: none

ERO Drill Participation



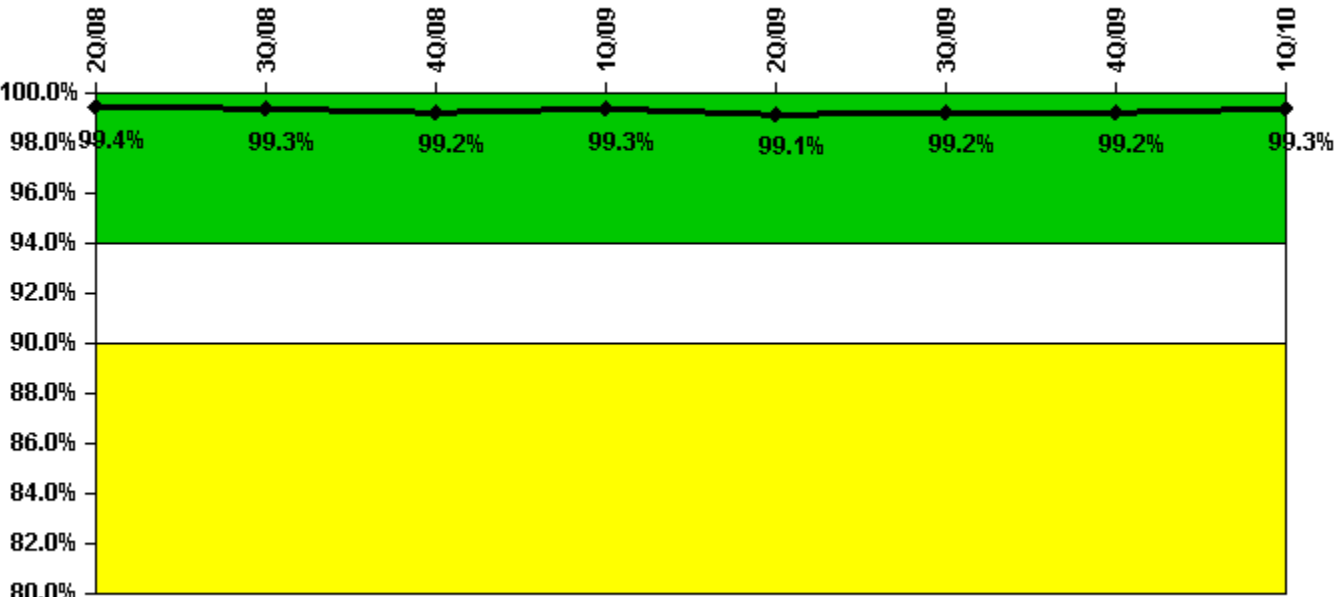
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	172.0	181.0	169.0	169.0	158.0	162.0	156.0	158.0
Total Key personnel	176.0	184.0	174.0	171.0	162.0	165.0	165.0	162.0
Indicator value	97.7%	98.4%	97.1%	98.8%	97.5%	98.2%	94.5%	97.5%

Licensee Comments: none

Alert & Notification System



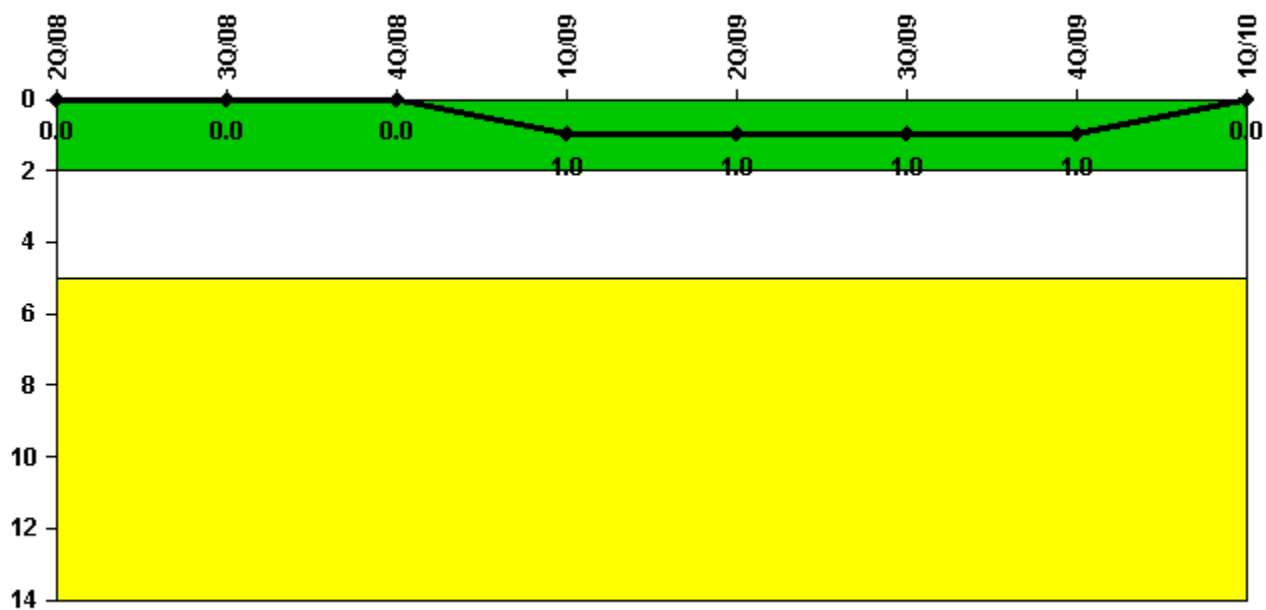
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	456	602	451	604	528	527	451	532
Total sirens-tests	456	608	456	608	532	532	456	532
Indicator value	99.4%	99.3%	99.2%	99.3%	99.1%	99.2%	99.2%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



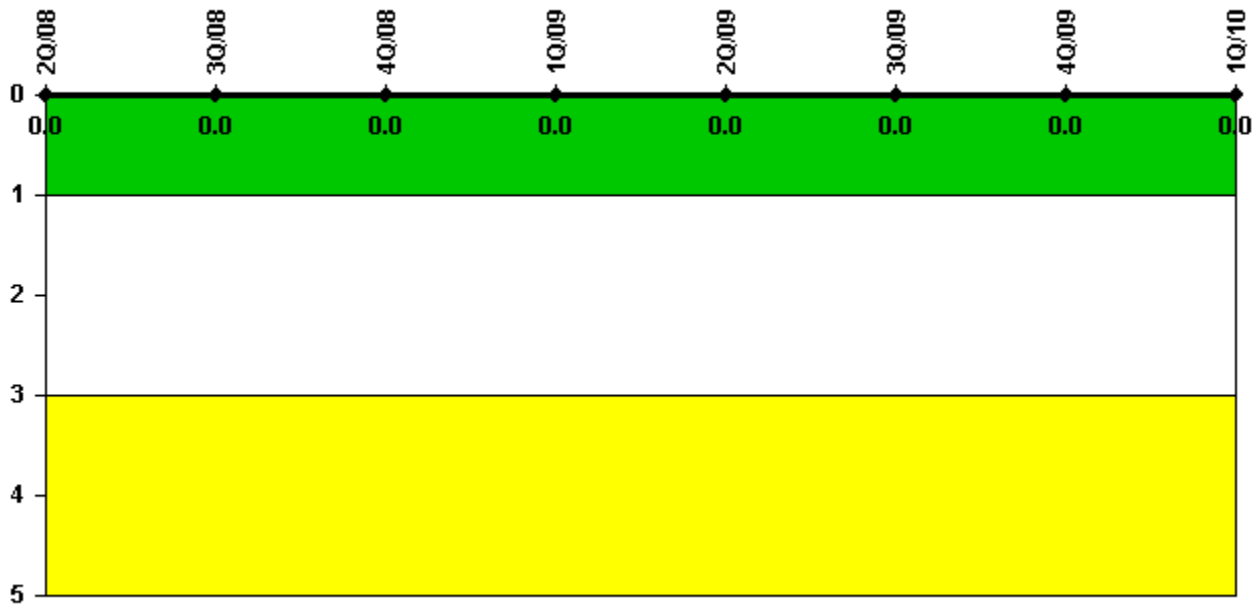
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

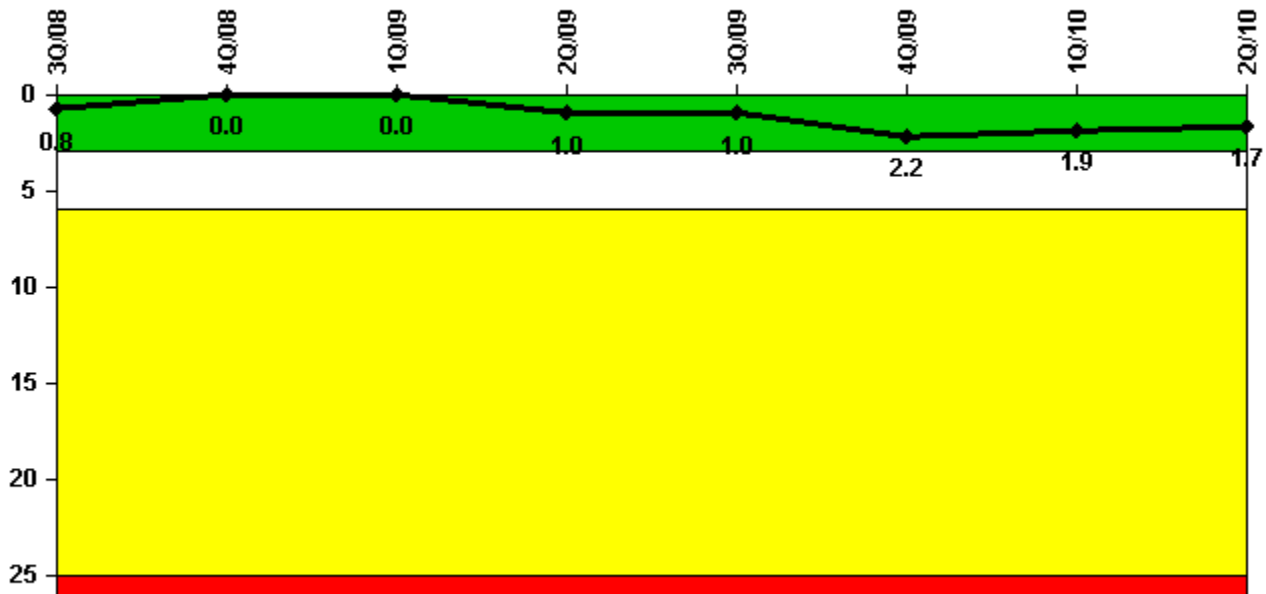
[Security](#) information not publicly available.

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2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



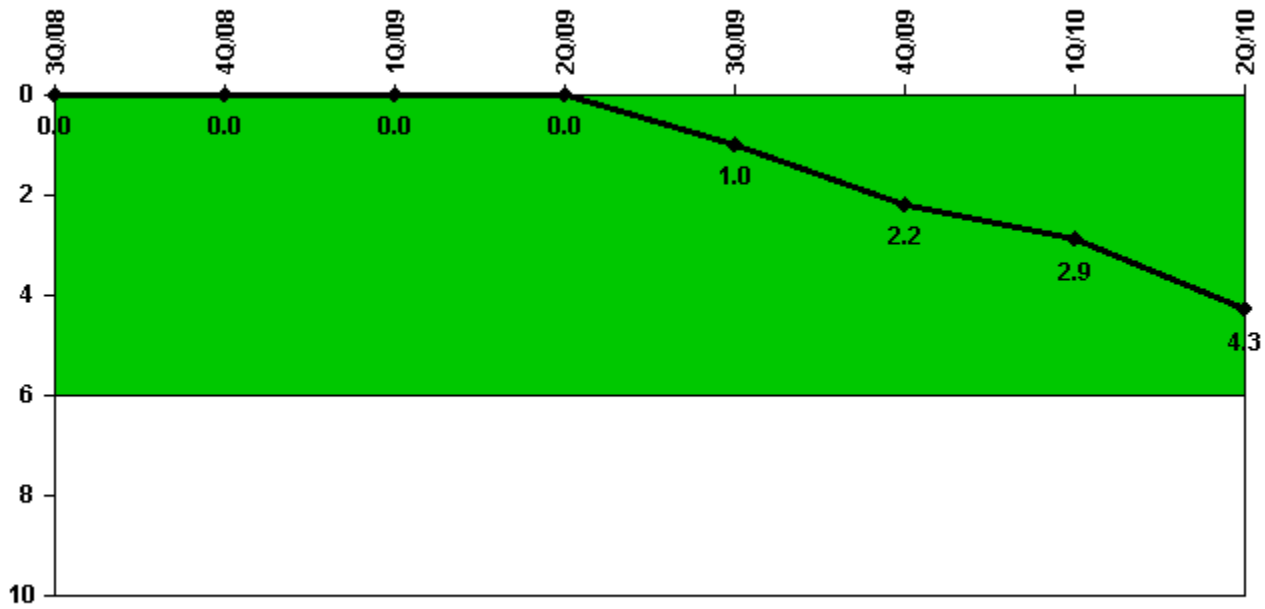
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0	1.0
Critical hours	2208.0	2209.0	1272.7	1134.7	2208.0	1801.9	2159.0	2049.3
Indicator value	0.8	0	0	1.0	1.0	2.2	1.9	1.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



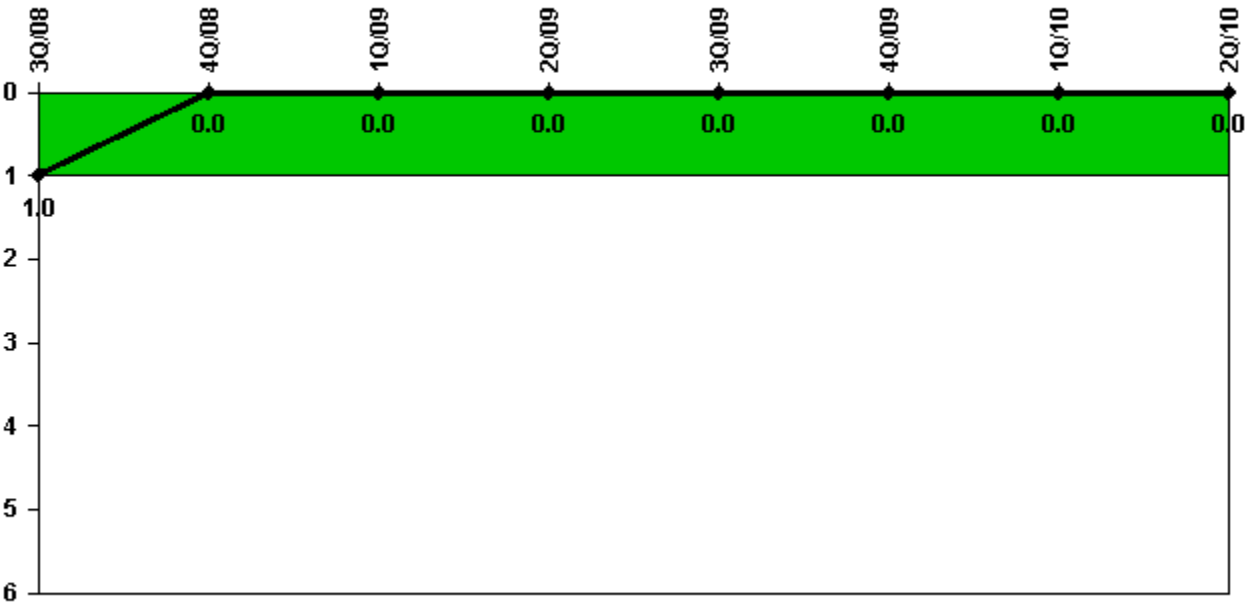
Thresholds: White > 6.0

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	0	0	0	1.0	1.0	1.0	2.0
Critical hours	2208.0	2209.0	1272.7	1134.7	2208.0	1801.9	2159.0	2049.3
Indicator value	0	0	0	0	1.0	2.2	2.9	4.3

Licensee Comments: none

Unplanned Scrams with Complications



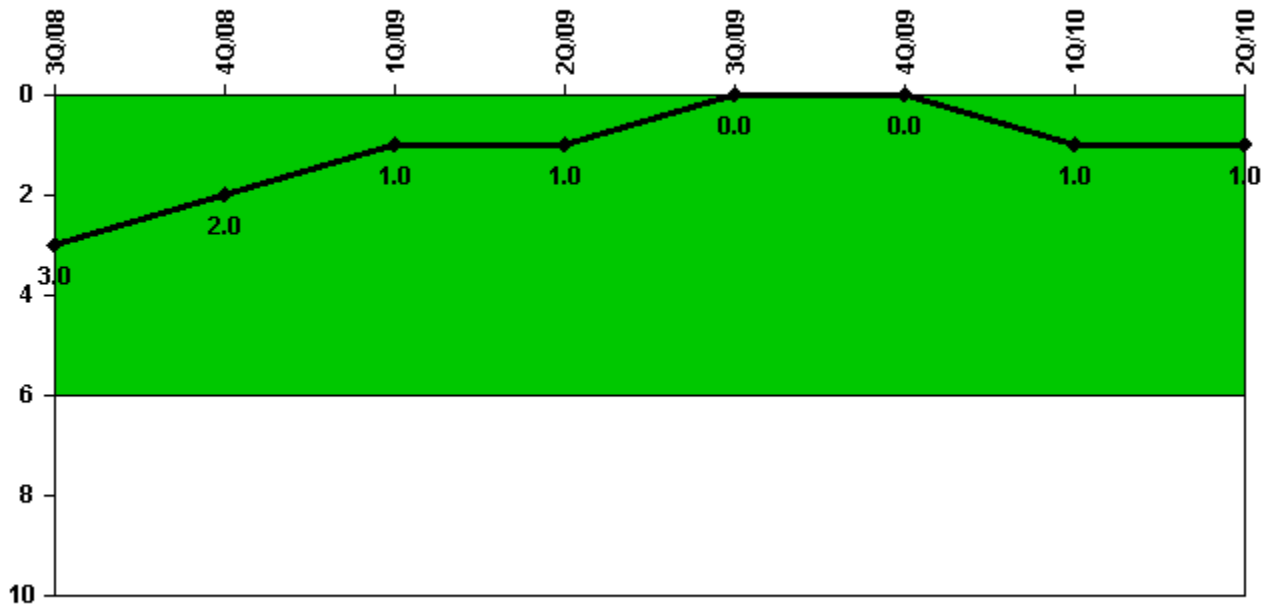
Thresholds: White > 1.0

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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



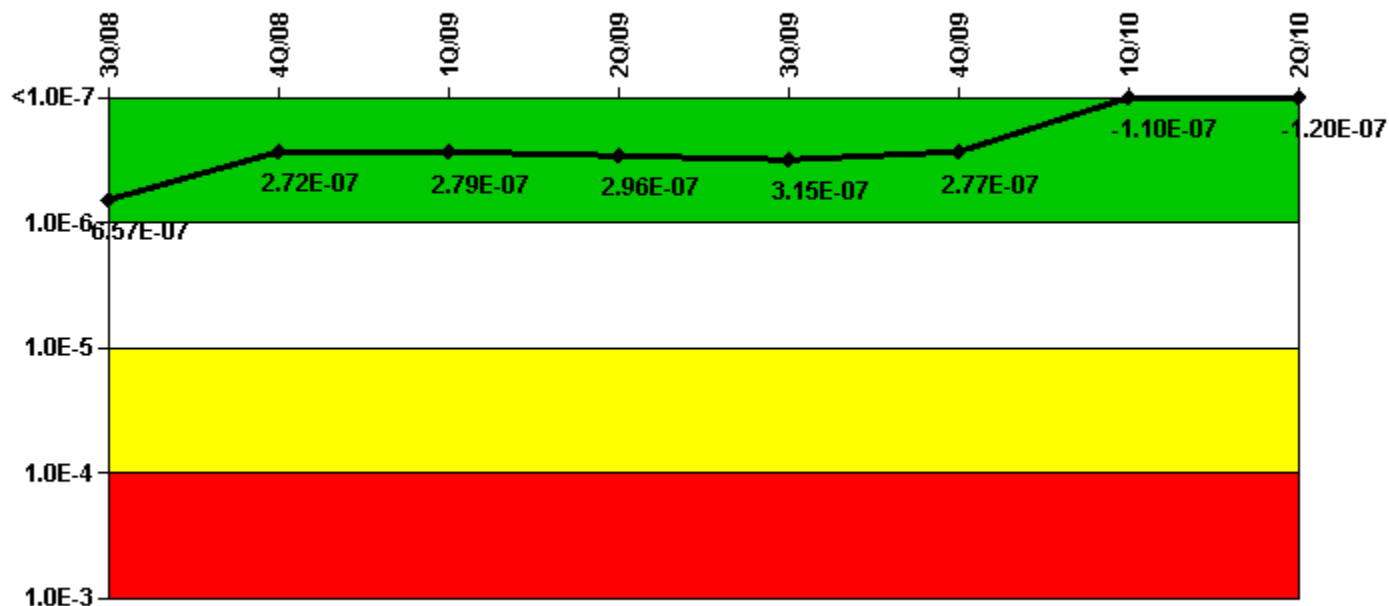
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/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	1	0
Indicator value	3	2	1	1	0	0	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



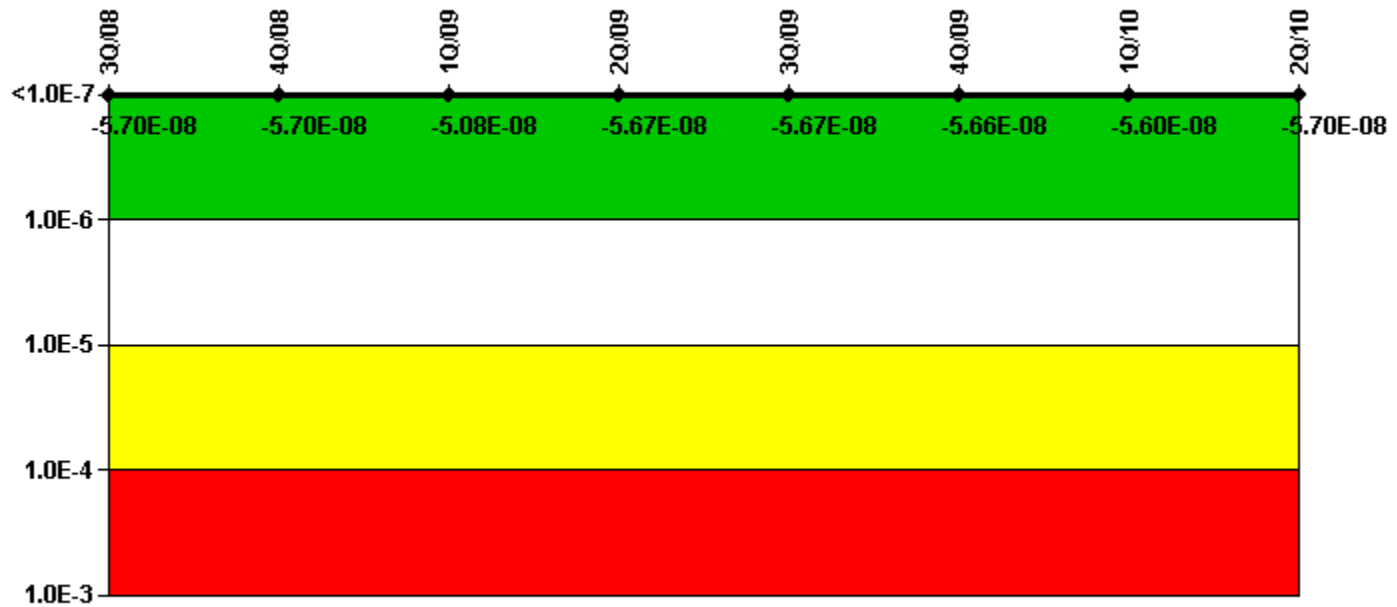
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	4.70E-08	-8.30E-09	-5.20E-10	1.60E-08	3.50E-08	-2.90E-09	1.06E-07	1.01E-07
URI (Δ CDF)	6.10E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-2.16E-07	-2.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.57E-07	2.72E-07	2.79E-07	2.96E-07	3.15E-07	2.77E-07	-1.10E-07	-1.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



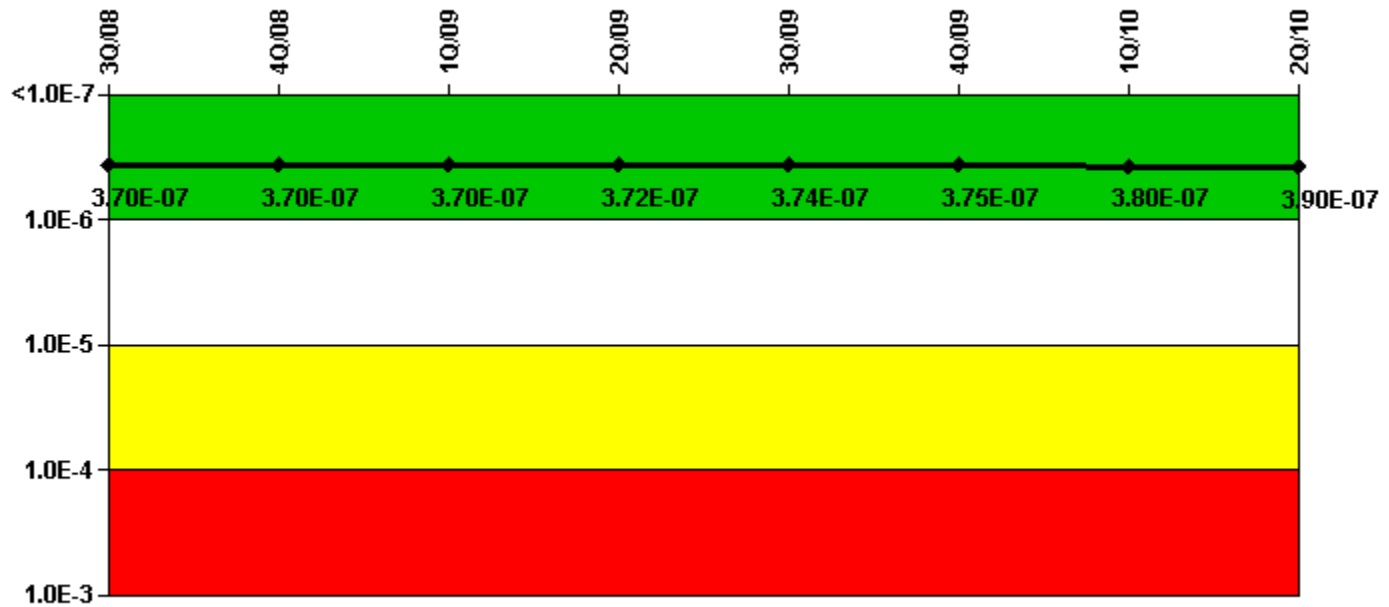
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	1.20E-12	1.20E-12	6.20E-09	3.50E-10	3.50E-10	4.10E-10	4.10E-10	2.26E-10
URI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.69E-08	-5.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.70E-08	-5.70E-08	-5.08E-08	-5.67E-08	-5.67E-08	-5.66E-08	-5.60E-08	-5.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



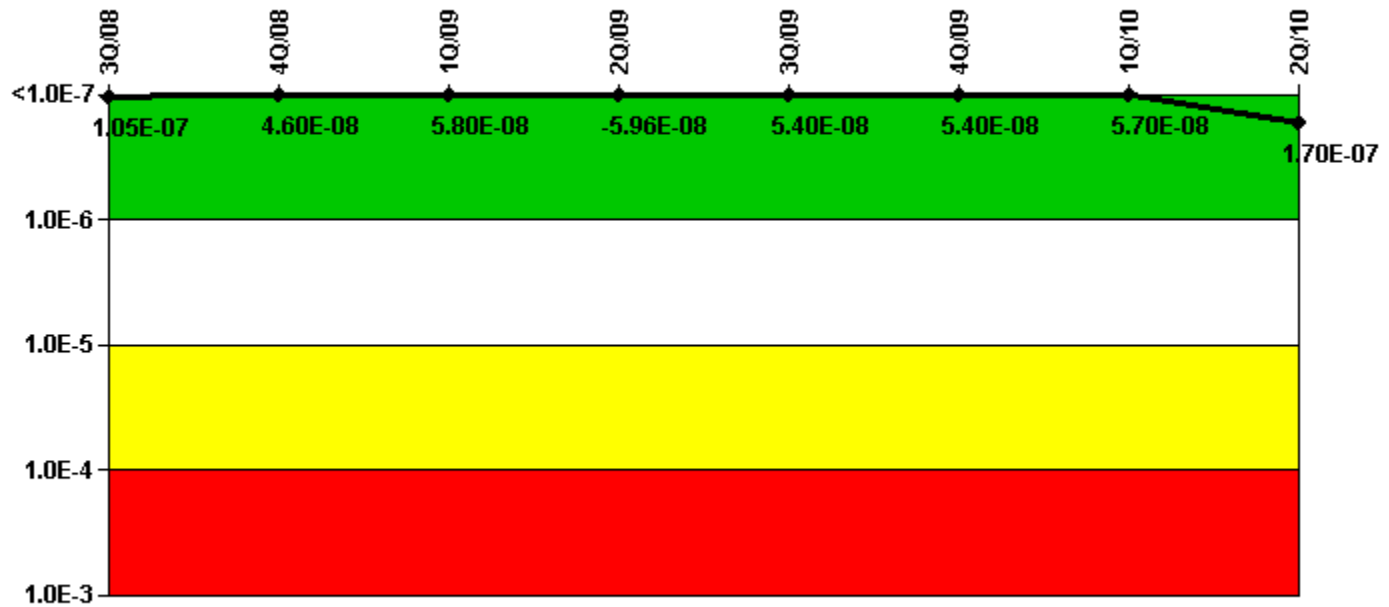
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	5.00E-08	5.00E-08	5.00E-08	5.20E-08	5.40E-08	5.50E-08	5.48E-08	6.93E-08
URI (Δ CDF)	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.23E-07	3.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.70E-07	3.70E-07	3.70E-07	3.72E-07	3.74E-07	3.75E-07	3.80E-07	3.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



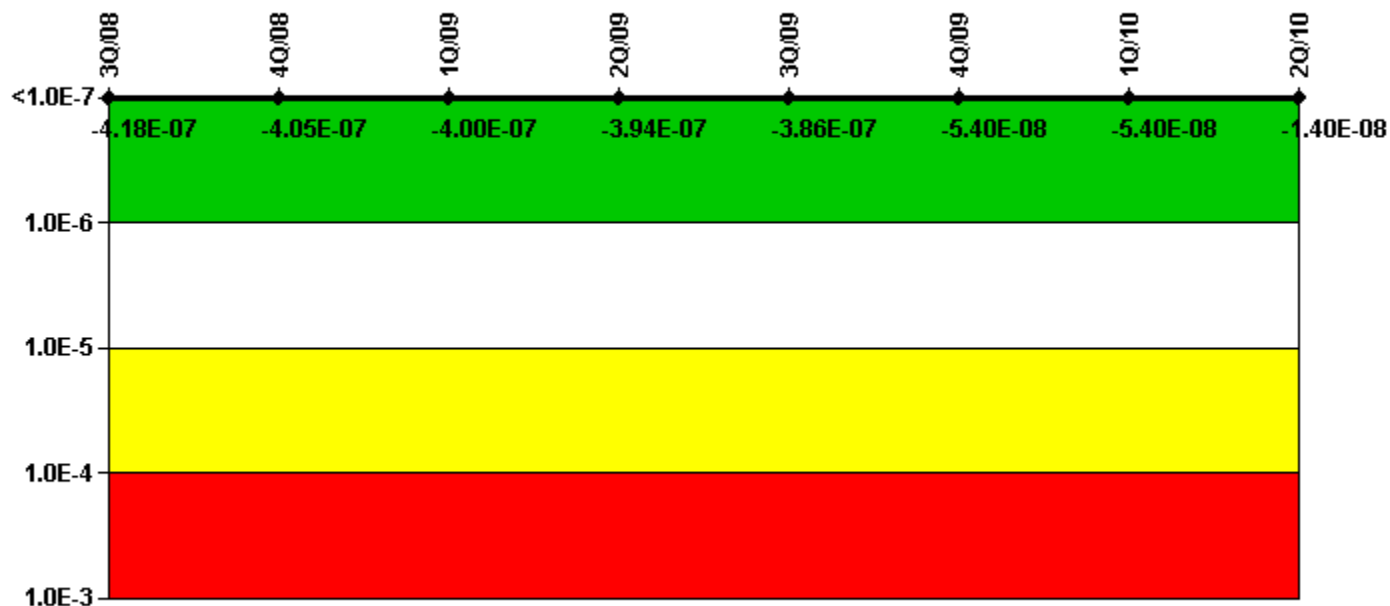
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	2.20E-08	-3.70E-08	-2.50E-08	-3.60E-09	1.10E-07	1.10E-07	1.13E-07	2.26E-07
URI (Δ CDF)	8.30E-08	8.30E-08	8.30E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.62E-08	-5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.05E-07	4.60E-08	5.80E-08	5.96E-08	5.40E-08	5.40E-08	5.70E-08	1.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



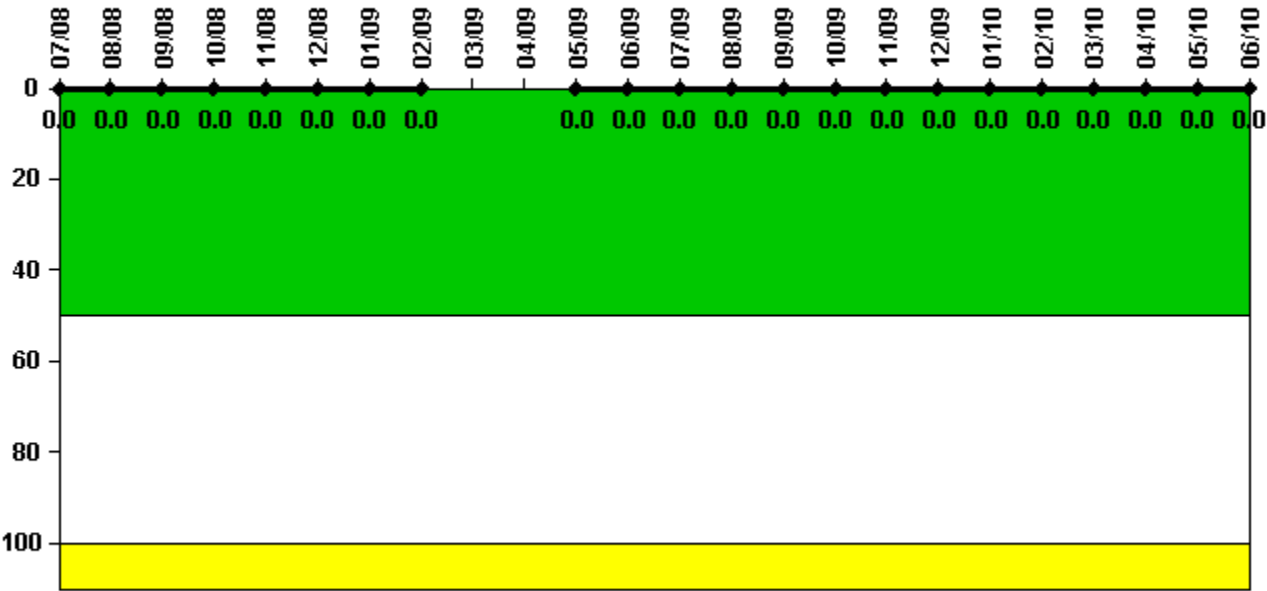
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-6.80E-08	-5.50E-08	-5.00E-08	-4.40E-08	-3.60E-08	-1.50E-08	-1.48E-08	2.54E-08
URI (Δ CDF)	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.90E-08	-3.89E-08	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.18E-07	-4.05E-07	-4.00E-07	-3.94E-07	-3.86E-07	-5.40E-08	-5.40E-08	-1.40E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

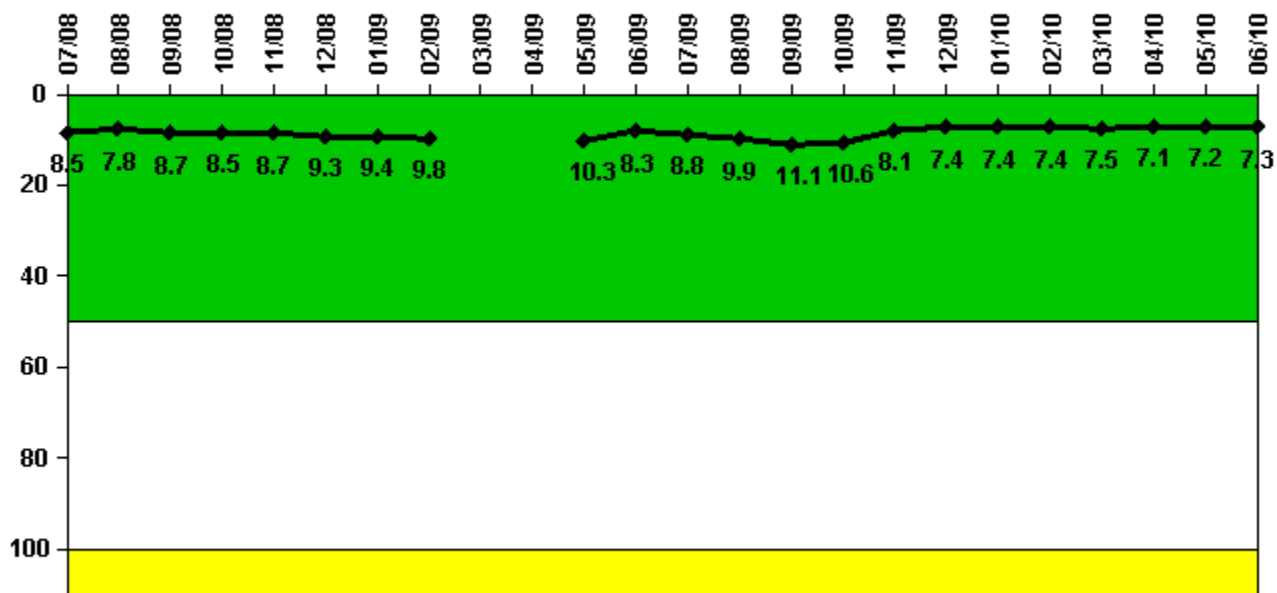
Notes

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	0.000021	0.000022	0.000033	0.000030	0.000030	0.000023	0.000022	0.000022	N/A	N/A	0.000008	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	N/A	N/A	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	0.000015	0.000013	0.000012	0.000012	0.000014	0.000019	0.000017	0.000018	0.000018	0.000018	0.000024	0.000022
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



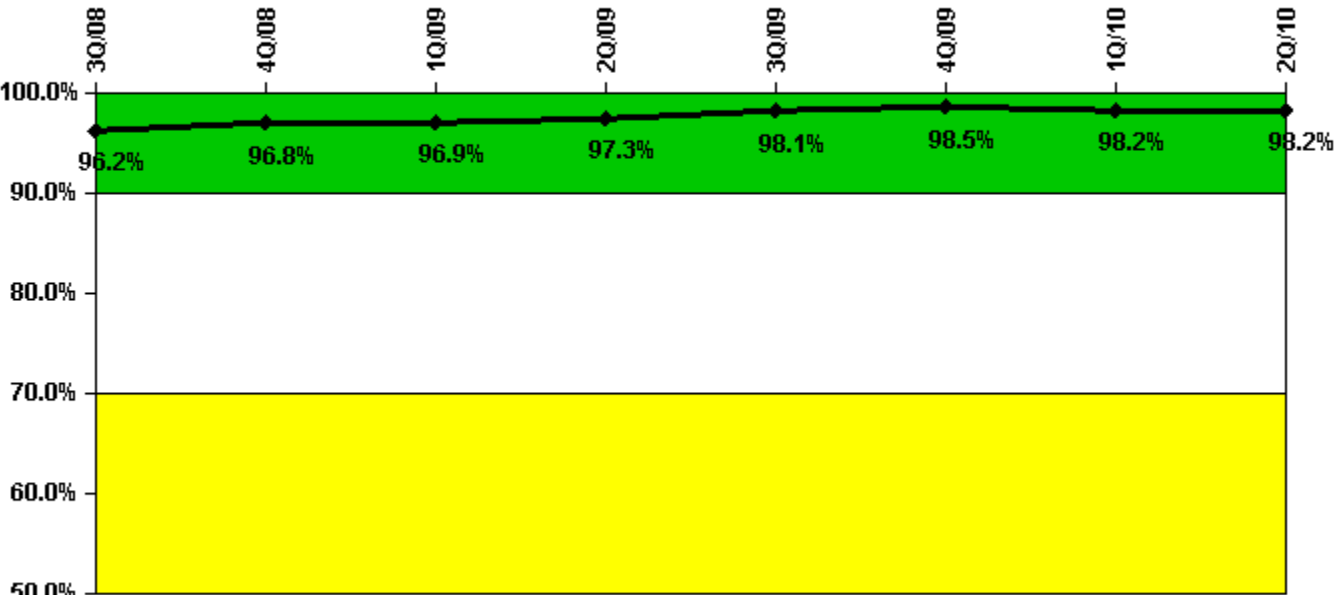
Thresholds: White > 50.0 Yellow > 100.0

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	2.540	2.350	2.620	2.560	2.620	2.800	2.820	2.940	N/A	N/A	3.100	2.500
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.5	7.8	8.7	8.5	8.7	9.3	9.4	9.8	N/A	N/A	10.3	8.3
Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	2.650	2.980	3.330	3.170	2.420	2.230	2.230	2.230	2.240	2.130	2.150	2.190
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.8	9.9	11.1	10.6	8.1	7.4	7.4	7.4	7.5	7.1	7.2	7.3

Licensee Comments: none

Drill/Exercise Performance



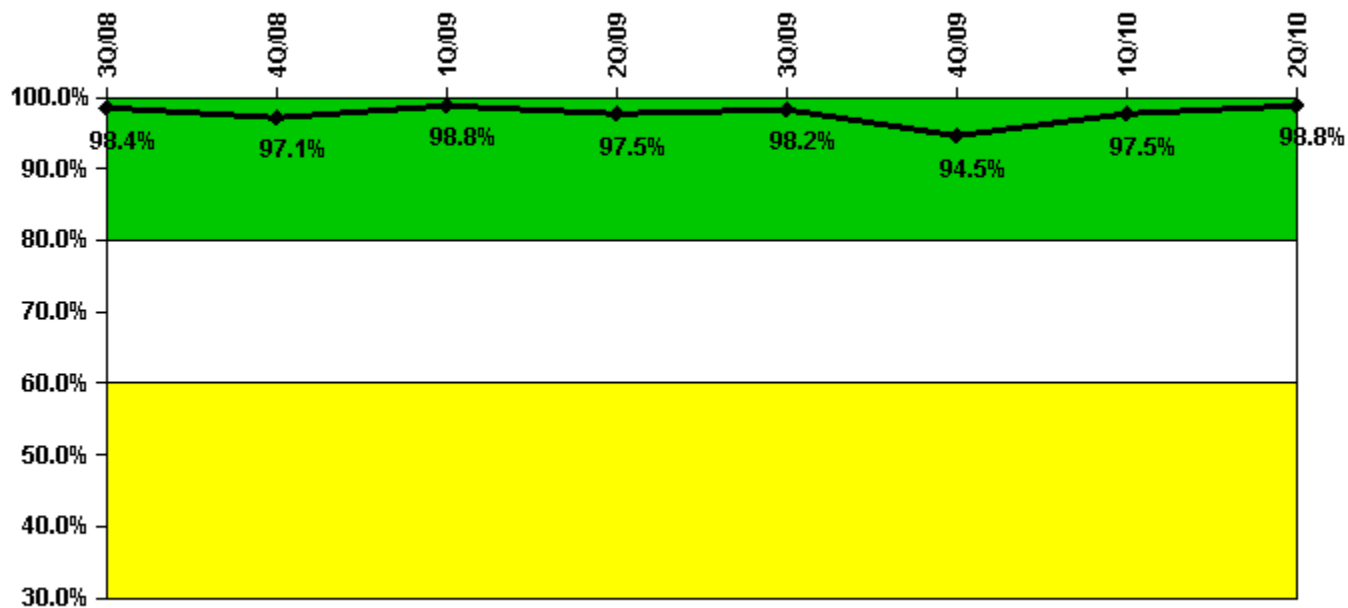
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	36.0	34.0	16.0	12.0	34.0	30.0	37.0	20.0
Total opportunities	39.0	34.0	16.0	12.0	34.0	30.0	38.0	20.0
Indicator value	96.2%	96.8%	96.9%	97.3%	98.1%	98.5%	98.2%	98.2%

Licensee Comments: none

ERO Drill Participation



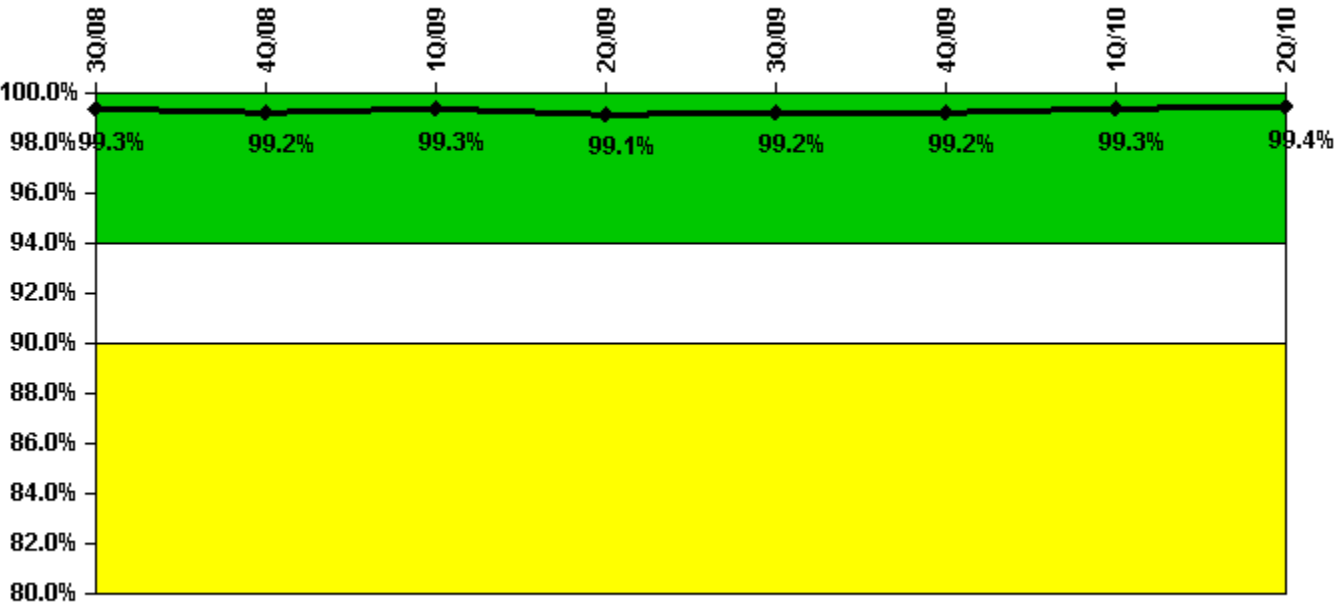
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	181.0	169.0	169.0	158.0	162.0	156.0	158.0	162.0
Total Key personnel	184.0	174.0	171.0	162.0	165.0	165.0	162.0	164.0
Indicator value	98.4%	97.1%	98.8%	97.5%	98.2%	94.5%	97.5%	98.8%

Licensee Comments: none

Alert & Notification System



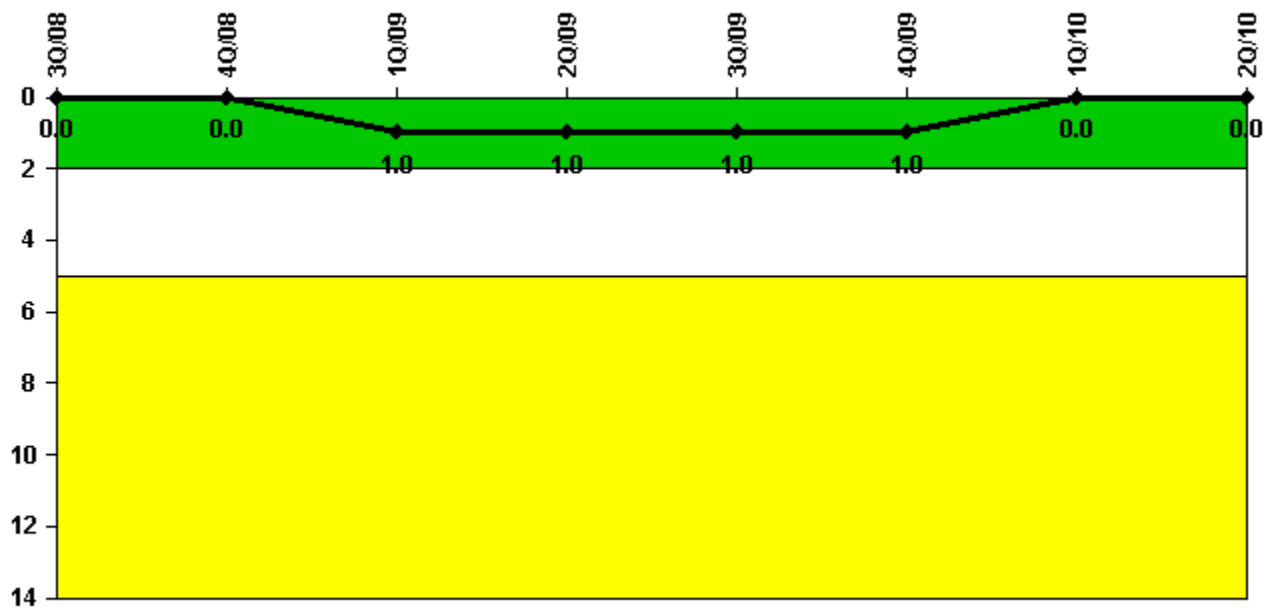
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	602	451	604	528	527	451	532	530
Total sirens-tests	608	456	608	532	532	456	532	532
Indicator value	99.3%	99.2%	99.3%	99.1%	99.2%	99.2%	99.3%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



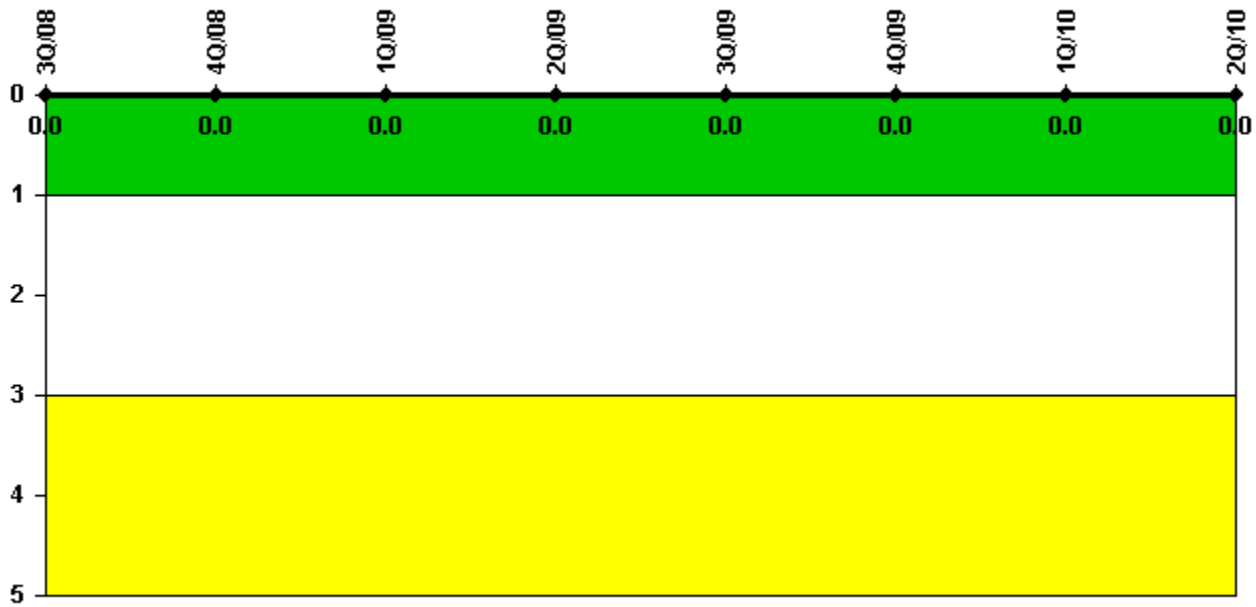
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

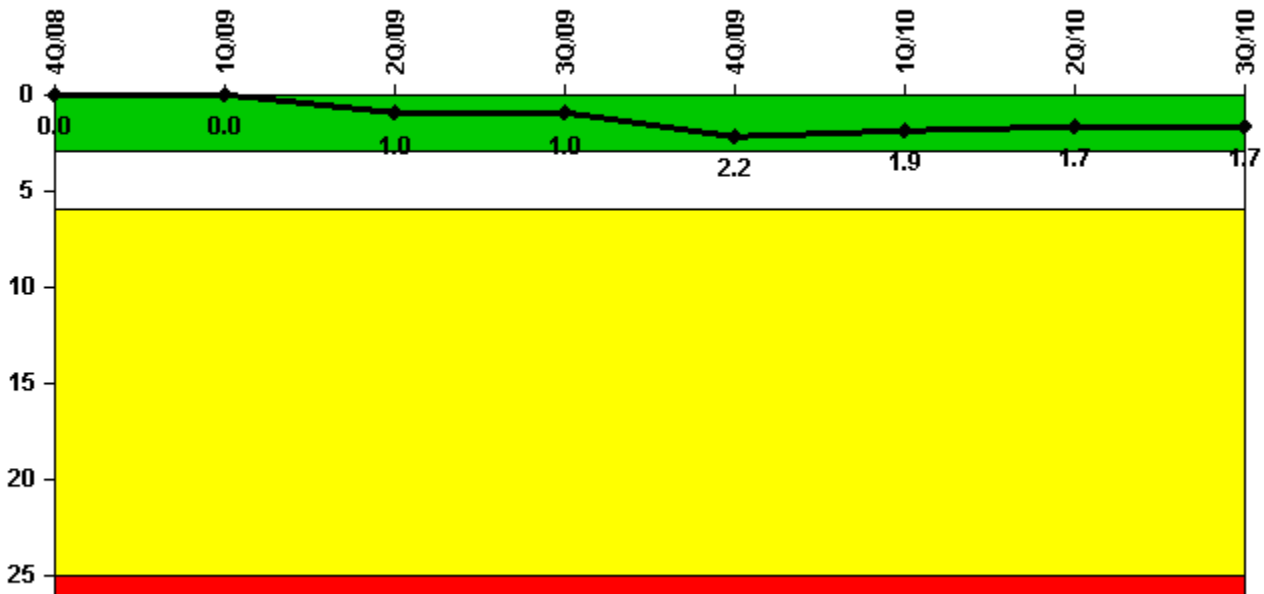
[Security](#) information not publicly available.

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3Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



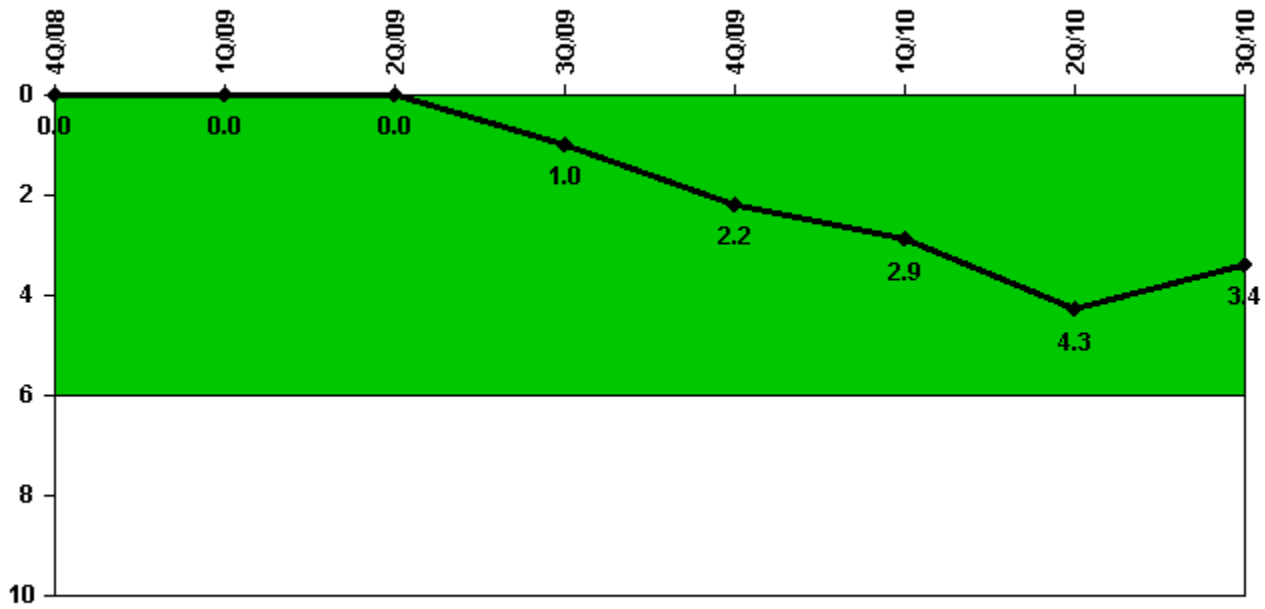
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0	1.0	0
Critical hours	2209.0	1272.7	1134.7	2208.0	1801.9	2159.0	2049.3	2208.0
Indicator value	0	0	1.0	1.0	2.2	1.9	1.7	1.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



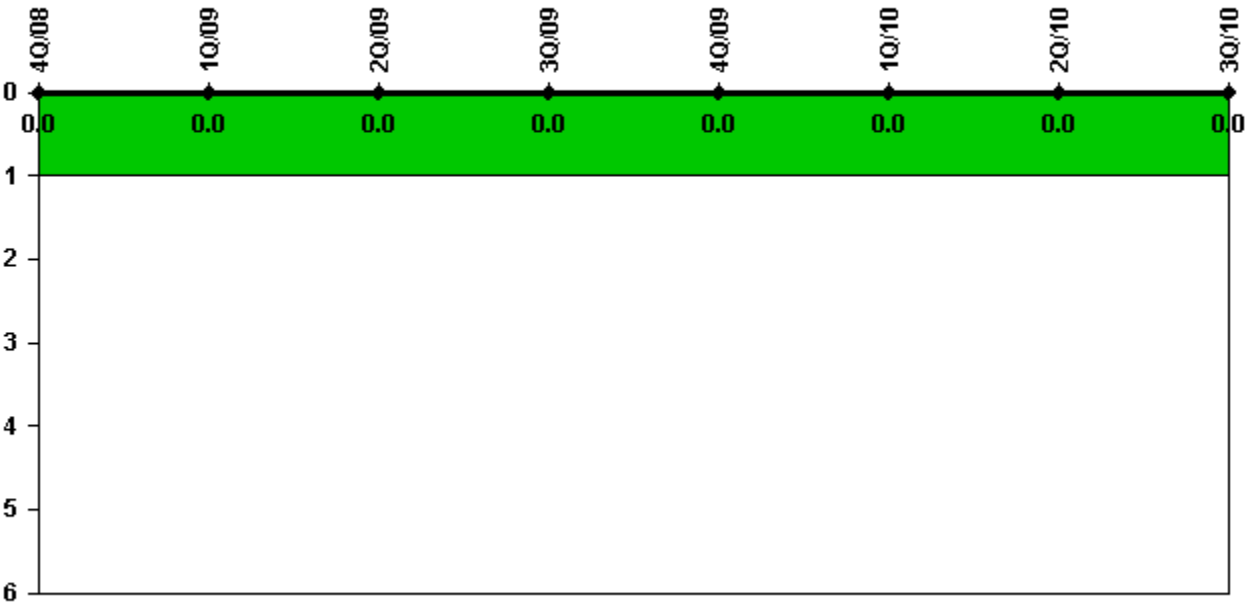
Thresholds: White > 6.0

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	0	0	0	1.0	1.0	1.0	2.0	0
Critical hours	2209.0	1272.7	1134.7	2208.0	1801.9	2159.0	2049.3	2208.0
Indicator value	0	0	0	1.0	2.2	2.9	4.3	3.4

Licensee Comments: none

Unplanned Scrams with Complications



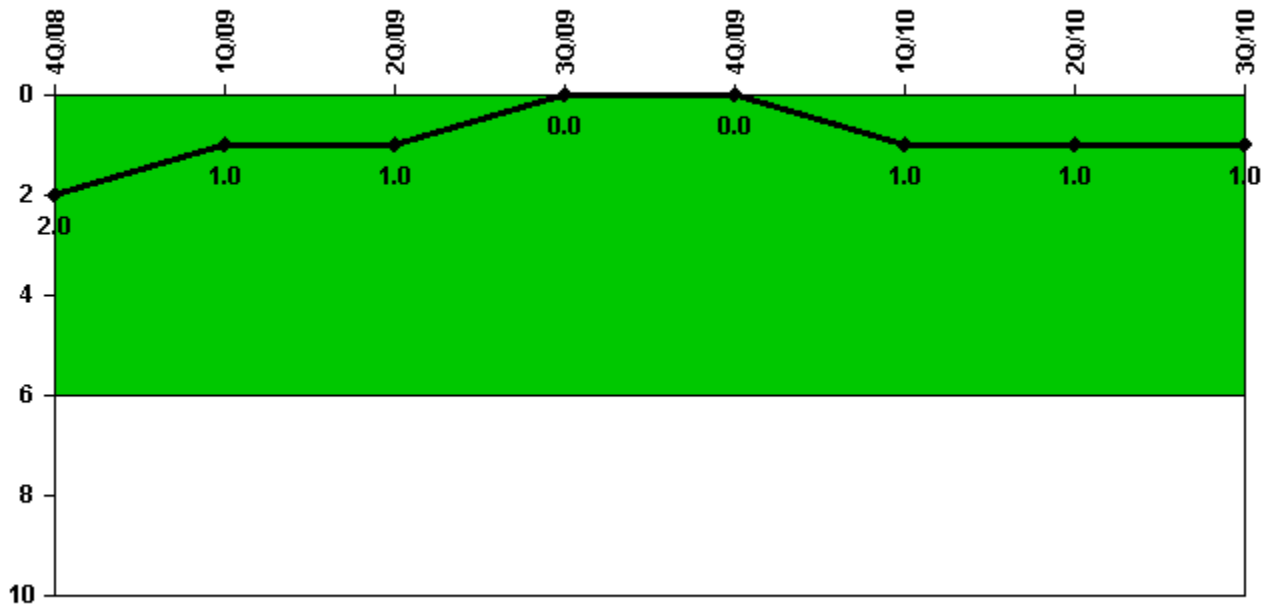
Thresholds: White > 1.0

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 (BWR)



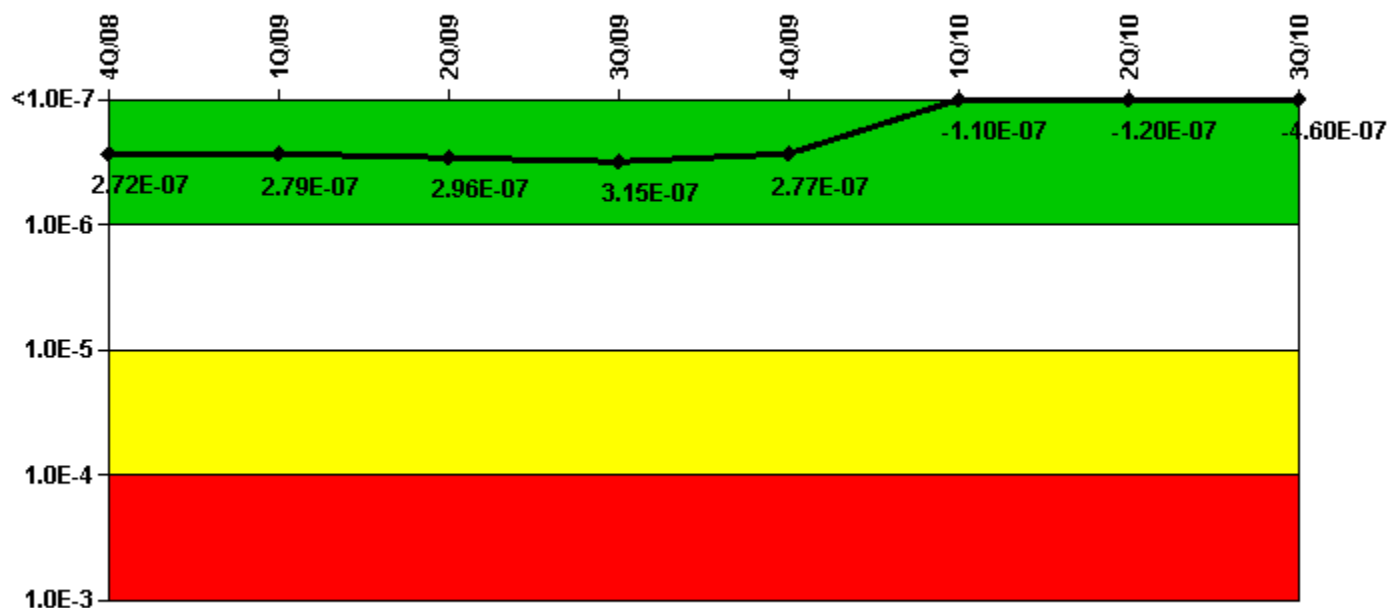
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	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	1	0	0
Indicator value	2	1	1	0	0	1	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



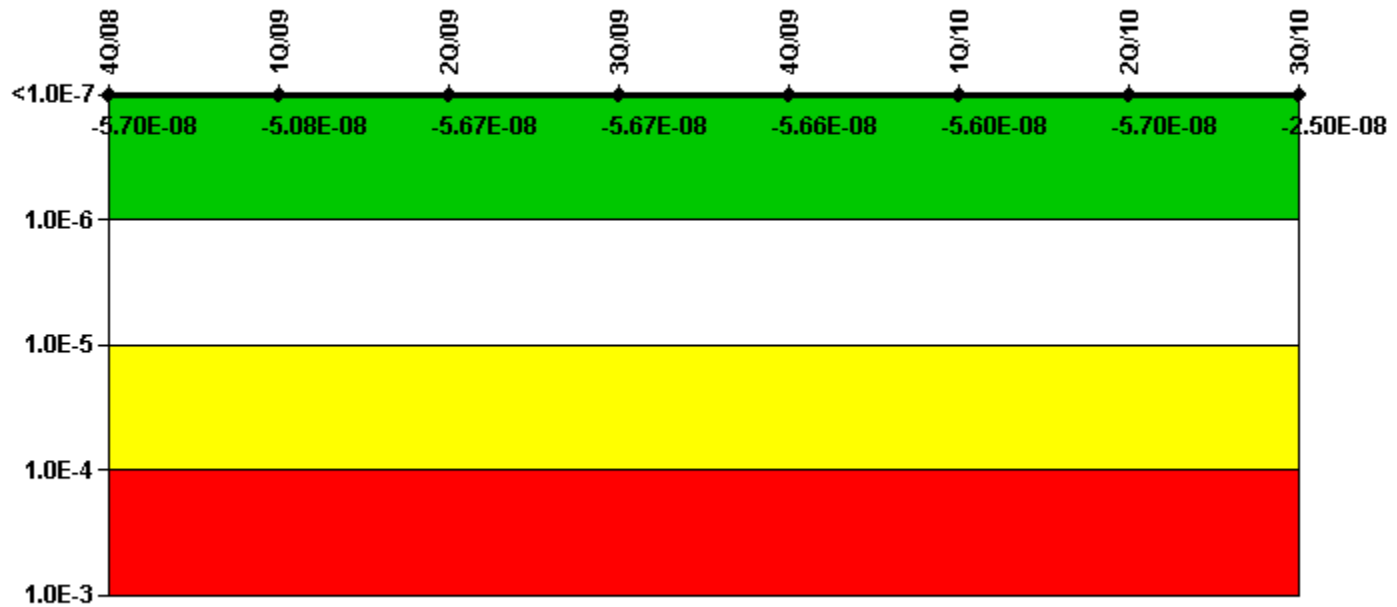
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-8.30E-09	-5.20E-10	1.60E-08	3.50E-08	-2.90E-09	1.06E-07	1.01E-07	7.68E-08
URI (Δ CDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-2.16E-07	-2.16E-07	-5.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.72E-07	2.79E-07	2.96E-07	3.15E-07	2.77E-07	-1.10E-07	-1.20E-07	-4.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



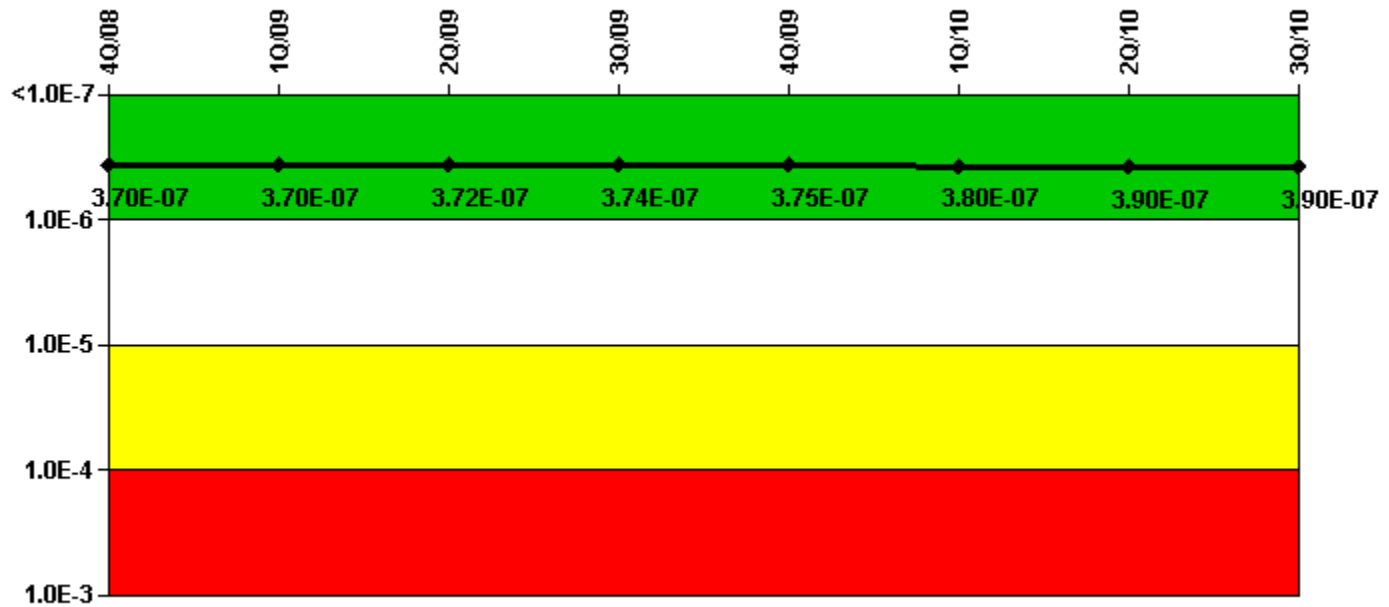
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	1.20E-12	6.20E-09	3.50E-10	3.50E-10	4.10E-10	4.10E-10	2.26E-10	3.18E-08
URI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.69E-08	-5.69E-08	-5.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.70E-08	-5.08E-08	-5.67E-08	-5.67E-08	-5.66E-08	-5.60E-08	-5.70E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



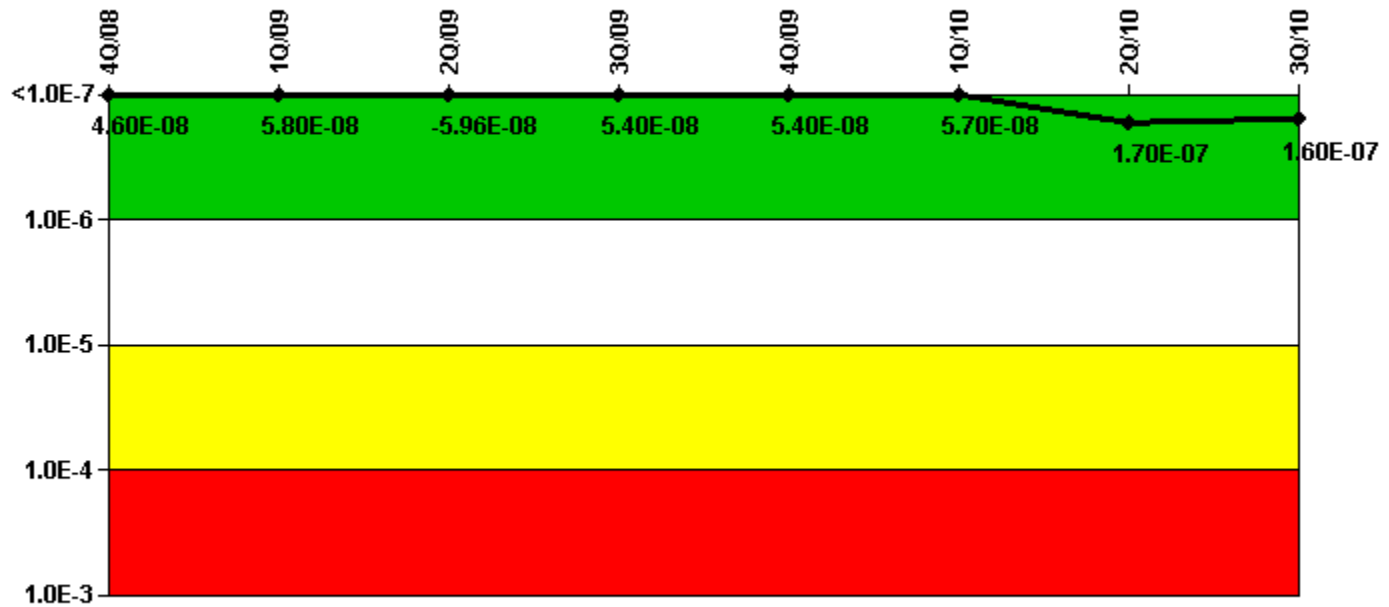
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	5.00E-08	5.00E-08	5.20E-08	5.40E-08	5.50E-08	5.48E-08	6.93E-08	6.61E-08
URI (Δ CDF)	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.23E-07	3.23E-07	3.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.70E-07	3.70E-07	3.72E-07	3.74E-07	3.75E-07	3.80E-07	3.90E-07	3.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



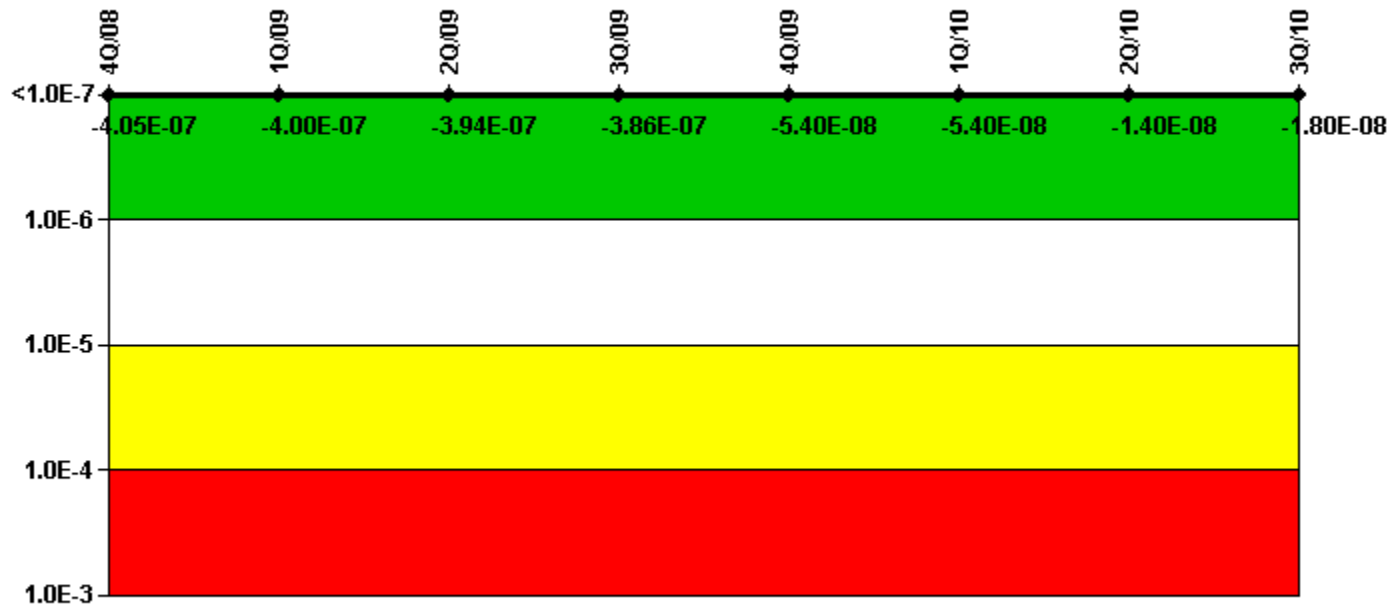
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	$-3.70E-08$	$-2.50E-08$	$-3.60E-09$	$1.10E-07$	$1.10E-07$	$1.13E-07$	$2.26E-07$	$2.13E-07$
URI (Δ CDF)	$8.30E-08$	$8.30E-08$	$-5.60E-08$	$-5.60E-08$	$-5.60E-08$	$-5.62E-08$	$-5.62E-08$	$-5.62E-08$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$4.60E-08$	$5.80E-08$	$-5.96E-08$	$5.40E-08$	$5.40E-08$	$5.70E-08$	$1.70E-07$	$1.60E-07$

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



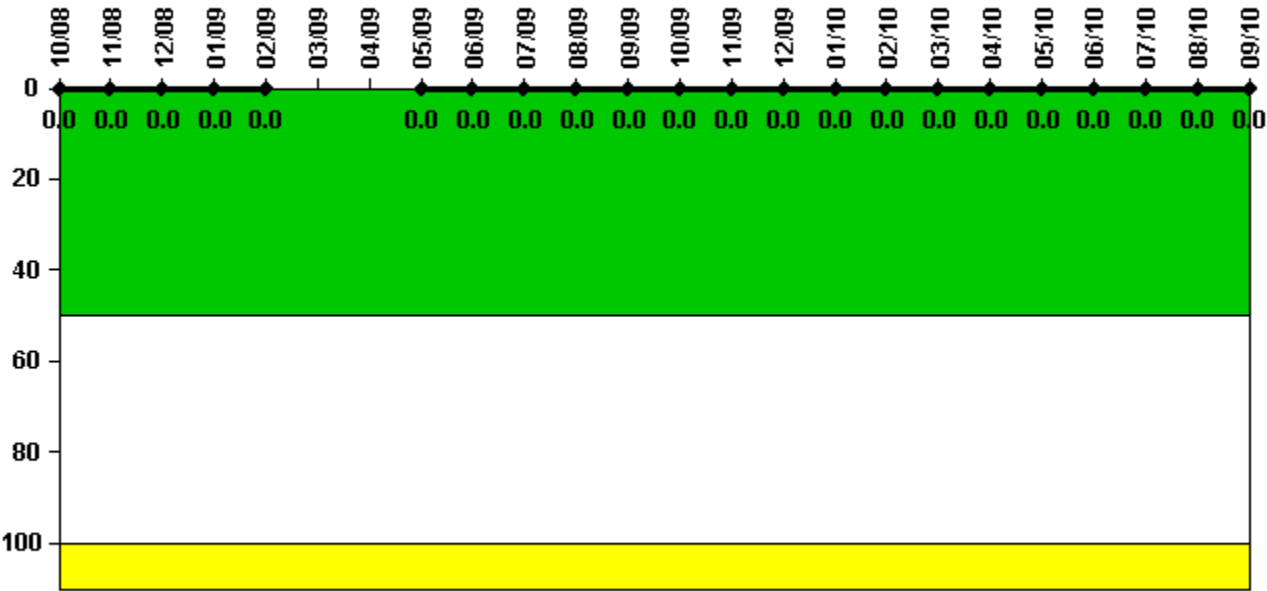
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-5.50E-08	-5.00E-08	-4.40E-08	-3.60E-08	-1.50E-08	-1.48E-08	2.54E-08	2.06E-08
URI (Δ CDF)	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.90E-08	-3.89E-08	-3.89E-08	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.05E-07	-4.00E-07	-3.94E-07	-3.86E-07	-5.40E-08	-5.40E-08	-1.40E-08	-1.80E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

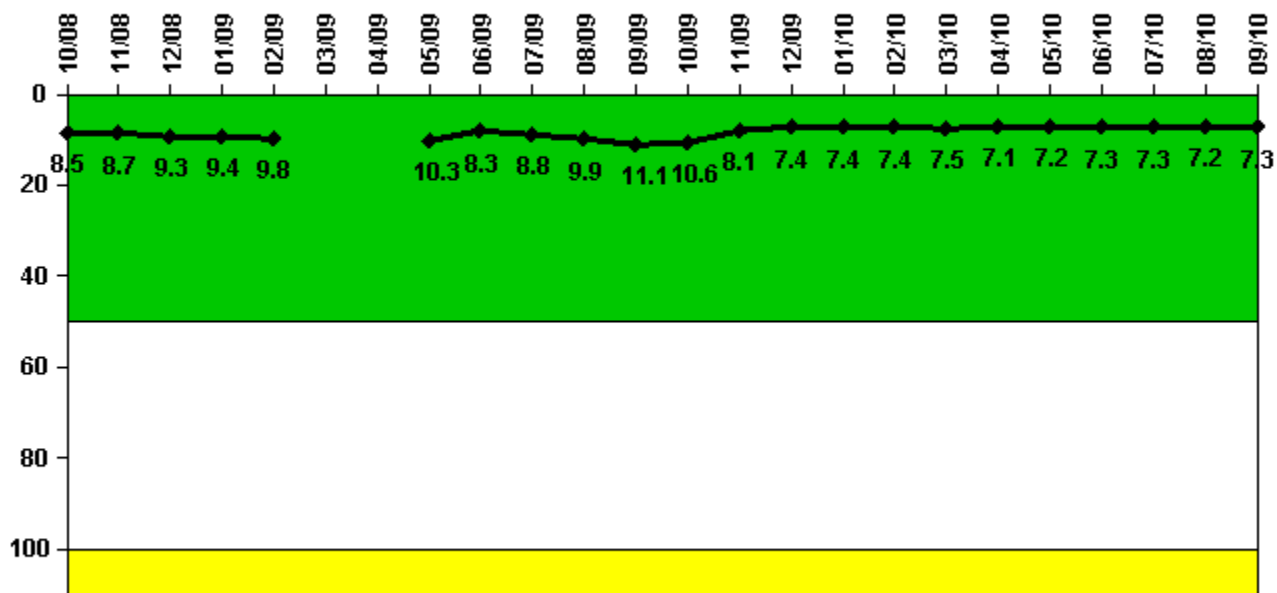
Notes

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	0.000030	0.000030	0.000023	0.000022	0.000022	N/A	N/A	0.000008	0.000012	0.000015	0.000013	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	N/A	N/A	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	0.000012	0.000014	0.000019	0.000017	0.000018	0.000018	0.000018	0.000024	0.000022	0.000020	0.000022	0.000030
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



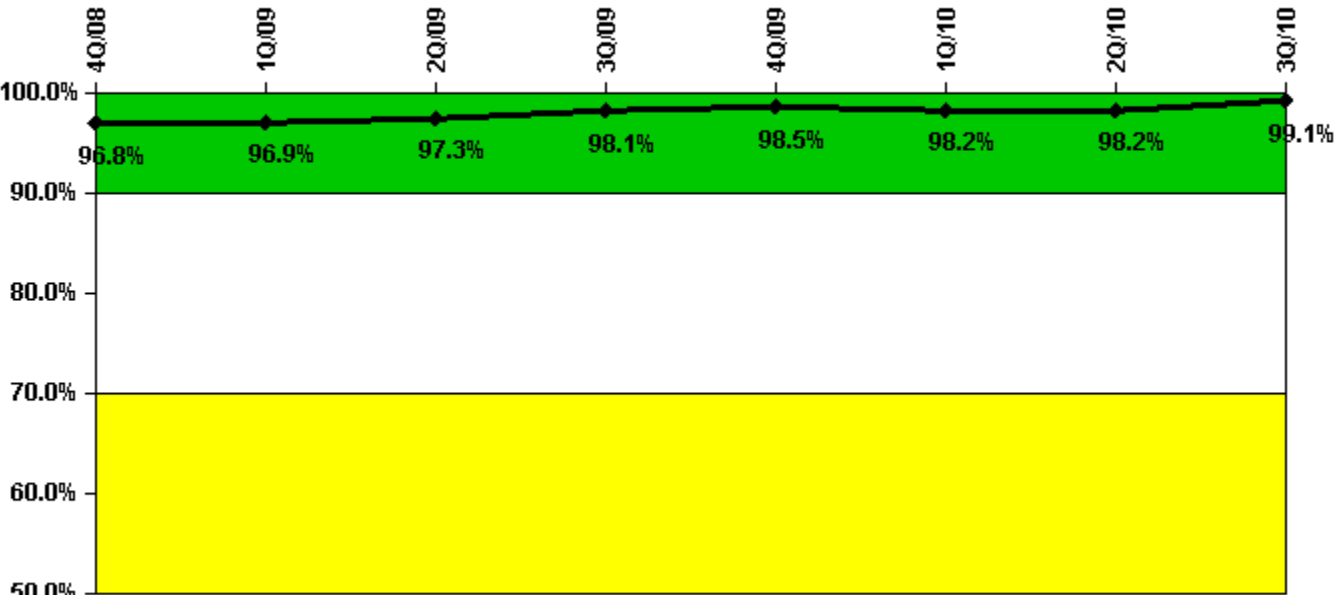
Thresholds: White > 50.0 Yellow > 100.0

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	2.560	2.620	2.800	2.820	2.940	N/A	N/A	3.100	2.500	2.650	2.980	3.330
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.5	8.7	9.3	9.4	9.8	N/A	N/A	10.3	8.3	8.8	9.9	11.1
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	3.170	2.420	2.230	2.230	2.230	2.240	2.130	2.150	2.190	2.200	2.150	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	10.6	8.1	7.4	7.4	7.4	7.5	7.1	7.2	7.3	7.3	7.2	7.3

Licensee Comments: none

Drill/Exercise Performance



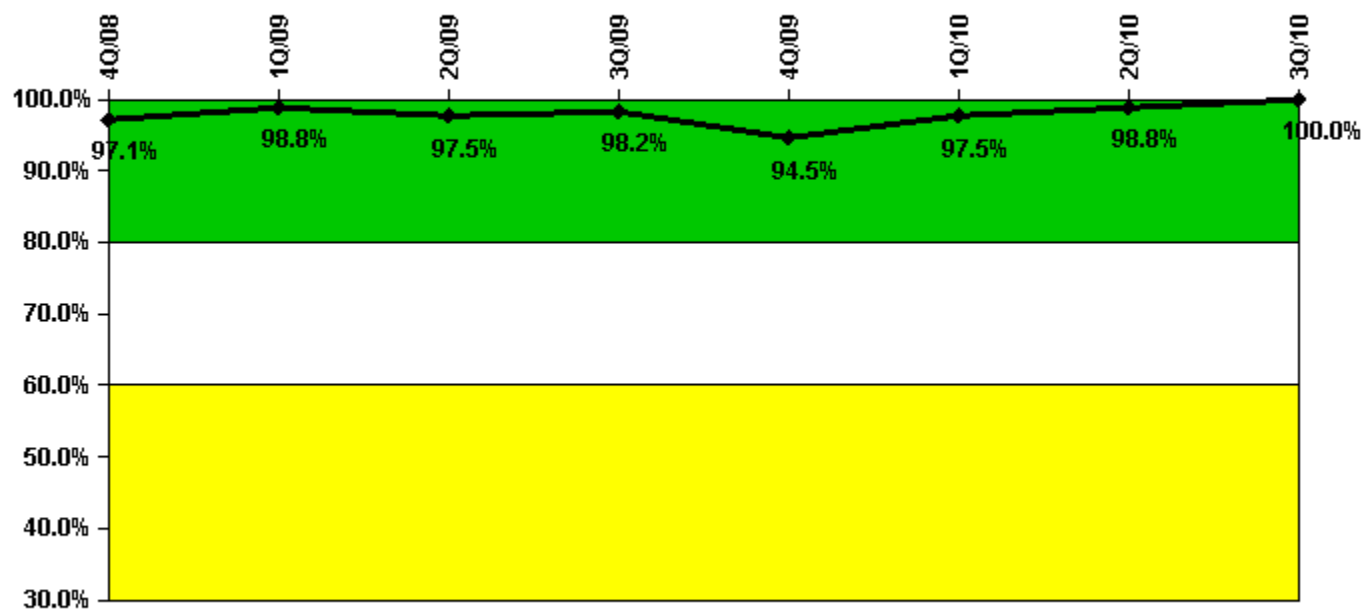
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	34.0	16.0	12.0	34.0	30.0	37.0	20.0	48.0
Total opportunities	34.0	16.0	12.0	34.0	30.0	38.0	20.0	49.0
Indicator value	96.8%	96.9%	97.3%	98.1%	98.5%	98.2%	98.2%	99.1%

Licensee Comments: none

ERO Drill Participation



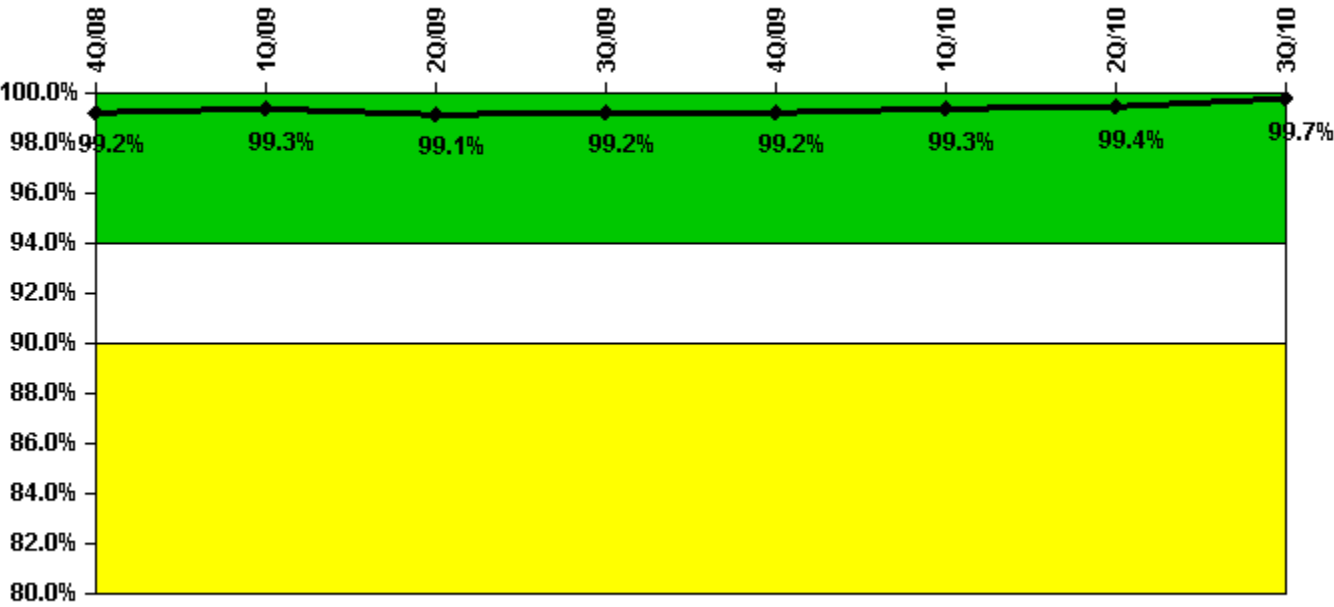
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	169.0	169.0	158.0	162.0	156.0	158.0	162.0	166.0
Total Key personnel	174.0	171.0	162.0	165.0	165.0	162.0	164.0	166.0
Indicator value	97.1%	98.8%	97.5%	98.2%	94.5%	97.5%	98.8%	100.0%

Licensee Comments: none

Alert & Notification System



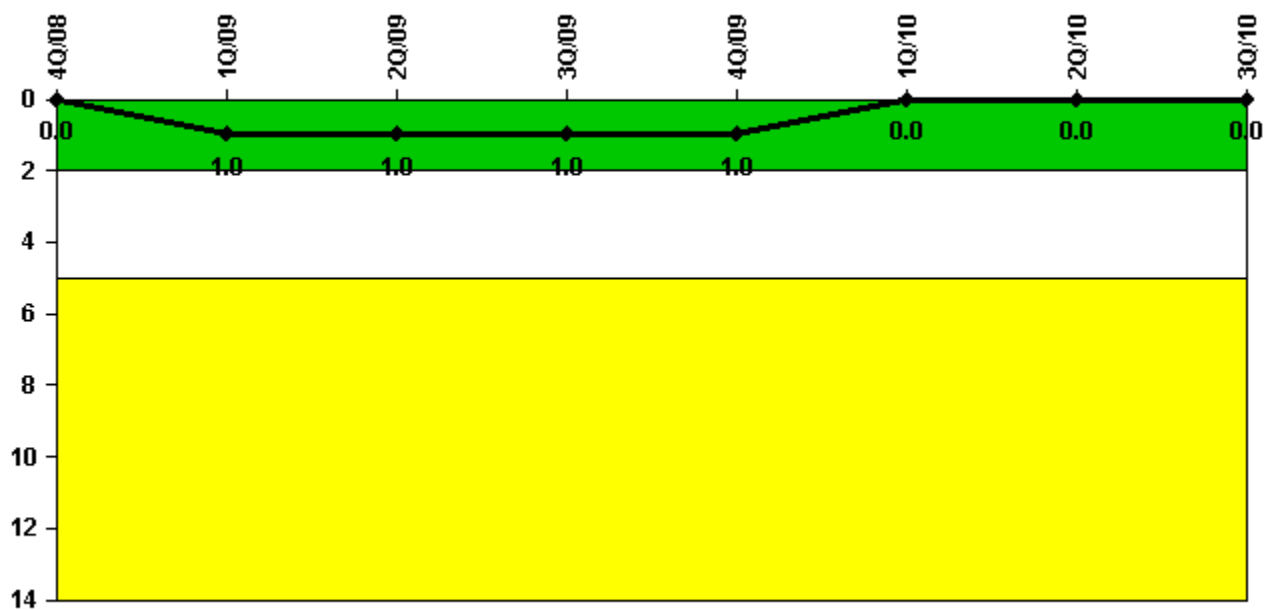
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	451	604	528	527	451	532	530	532
Total sirens-tests	456	608	532	532	456	532	532	532
Indicator value	99.2%	99.3%	99.1%	99.2%	99.2%	99.3%	99.4%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



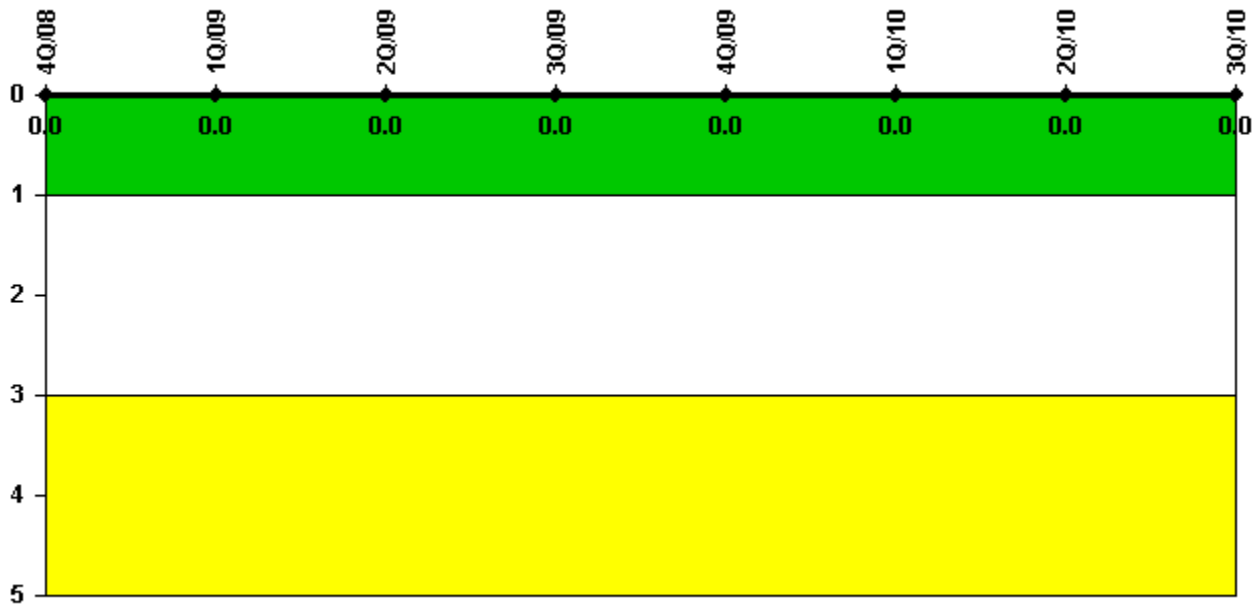
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

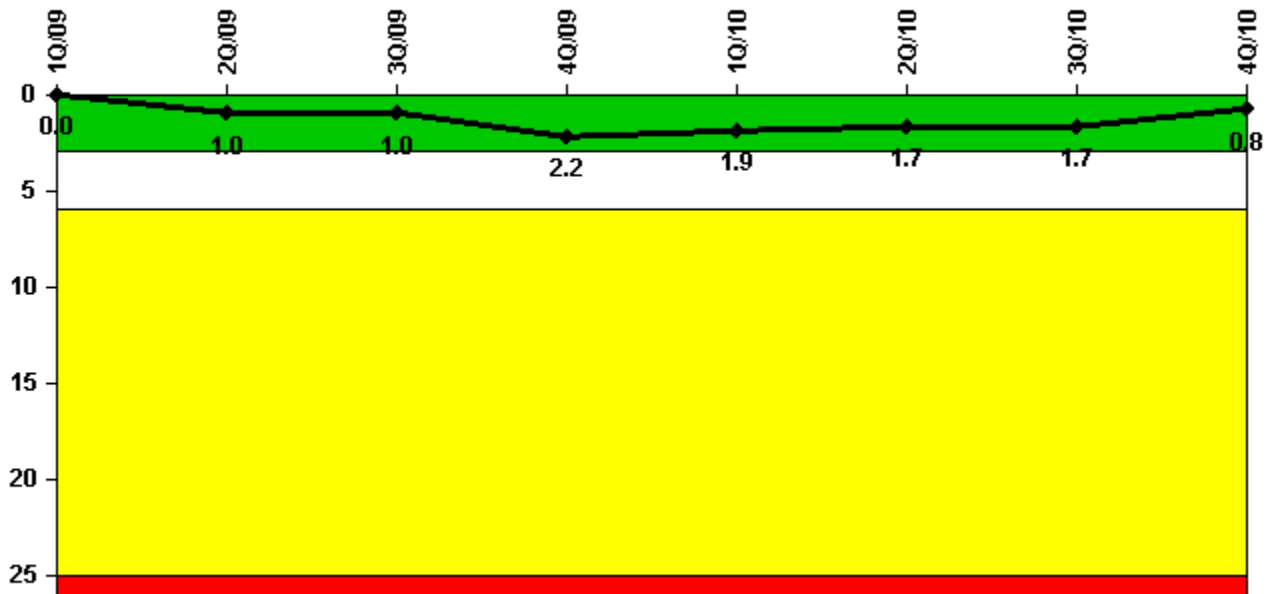
[Security](#) information not publicly available.

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4Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



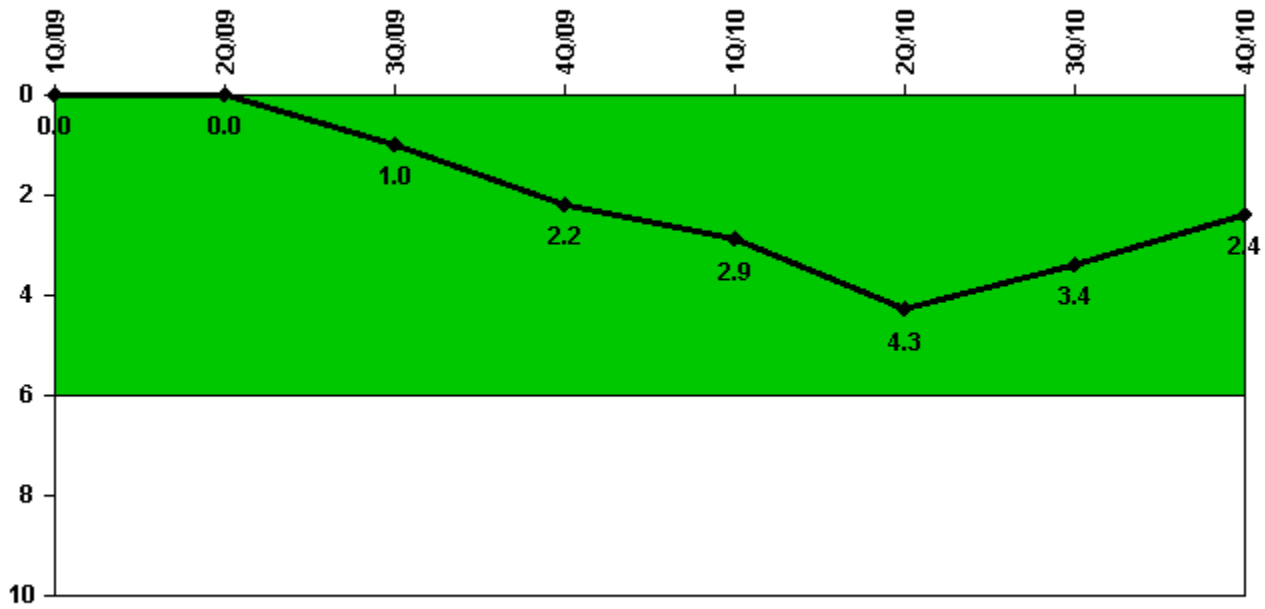
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0	1.0	0	0
Critical hours	1272.7	1134.7	2208.0	1801.9	2159.0	2049.3	2208.0	2209.0
Indicator value	0	1.0	1.0	2.2	1.9	1.7	1.7	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



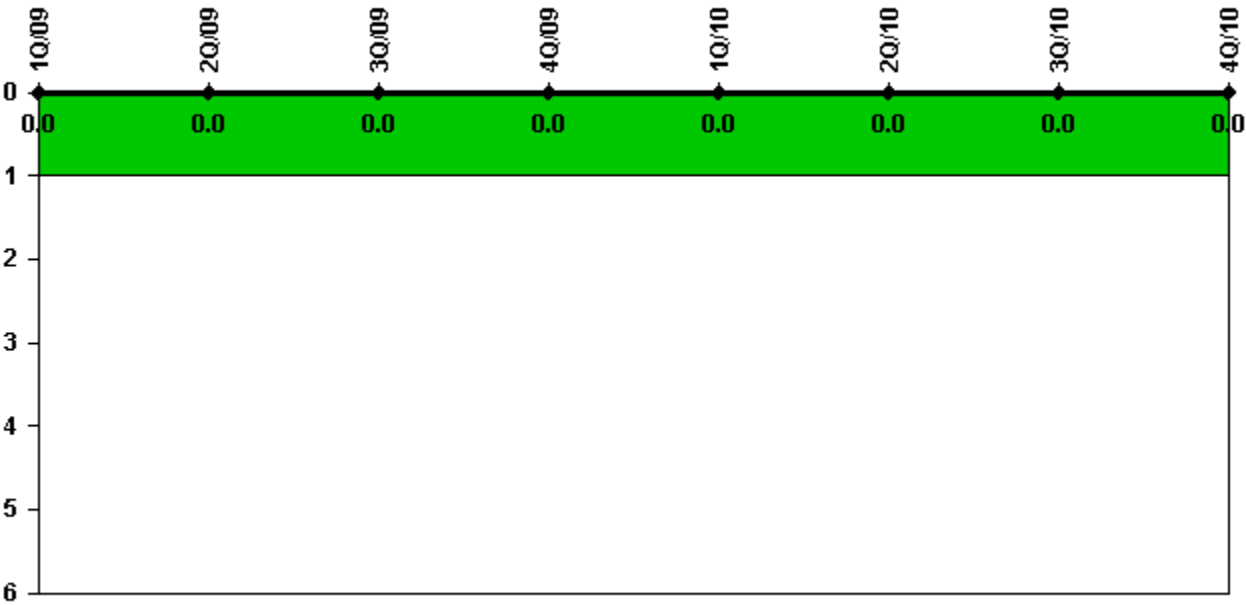
Thresholds: White > 6.0

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	0	0	1.0	1.0	1.0	2.0	0	0
Critical hours	1272.7	1134.7	2208.0	1801.9	2159.0	2049.3	2208.0	2209.0
Indicator value	0	0	1.0	2.2	2.9	4.3	3.4	2.4

Licensee Comments: none

Unplanned Scrams with Complications



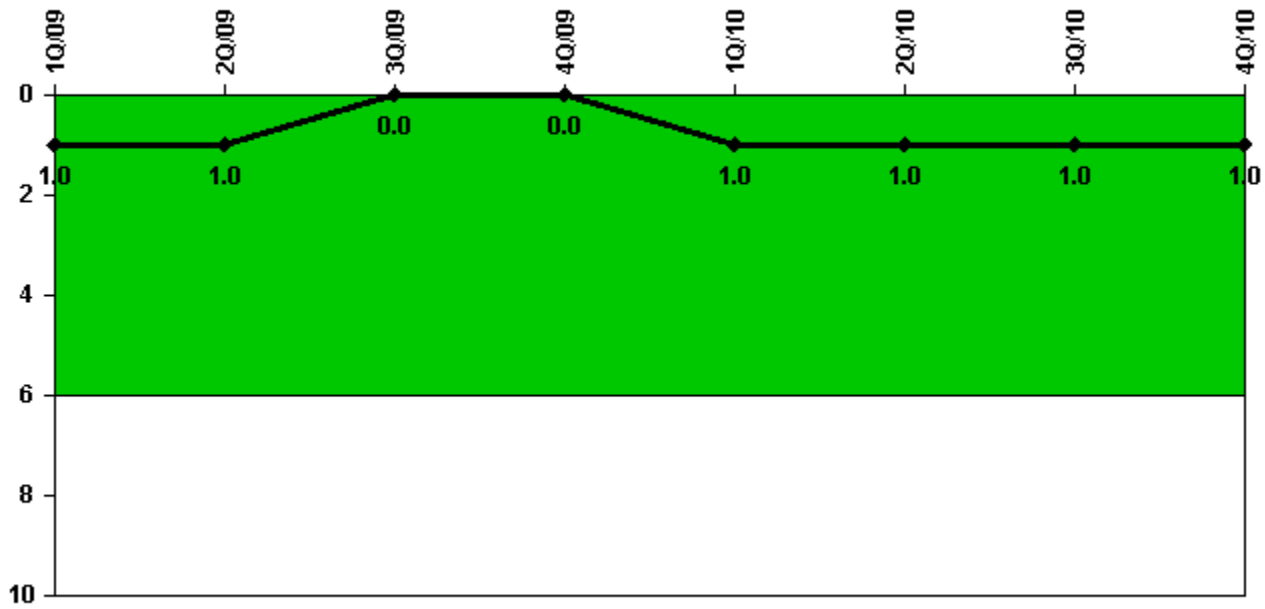
Thresholds: White > 1.0

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 (BWR)



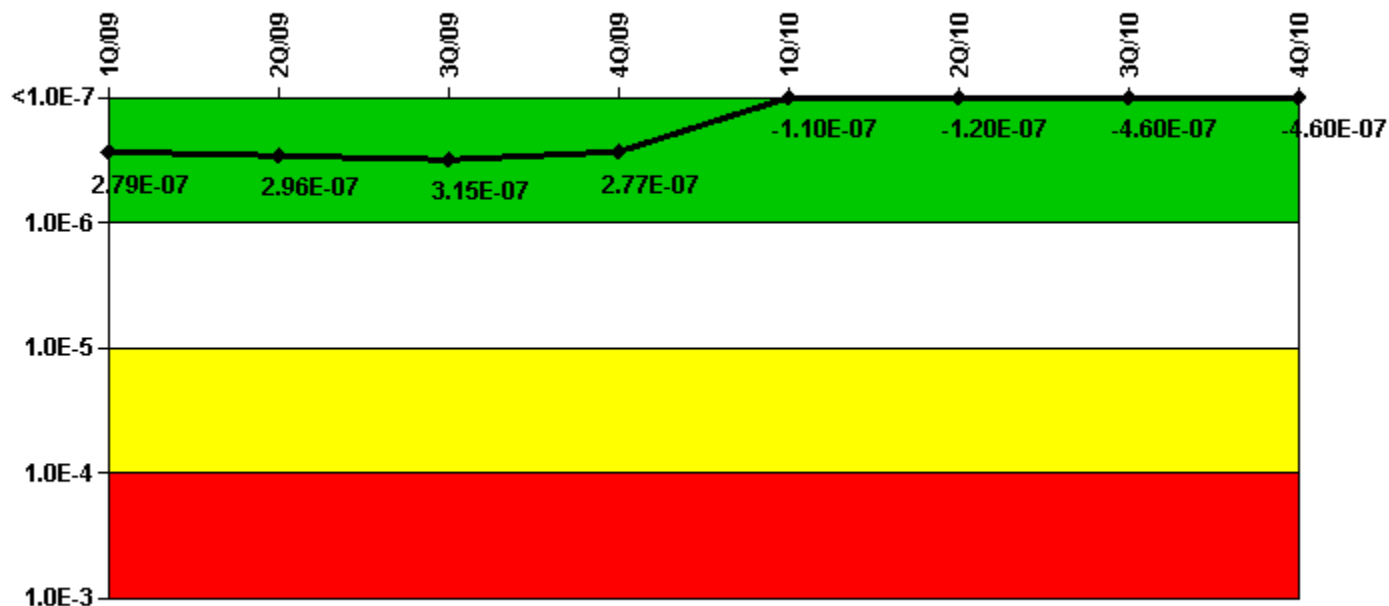
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



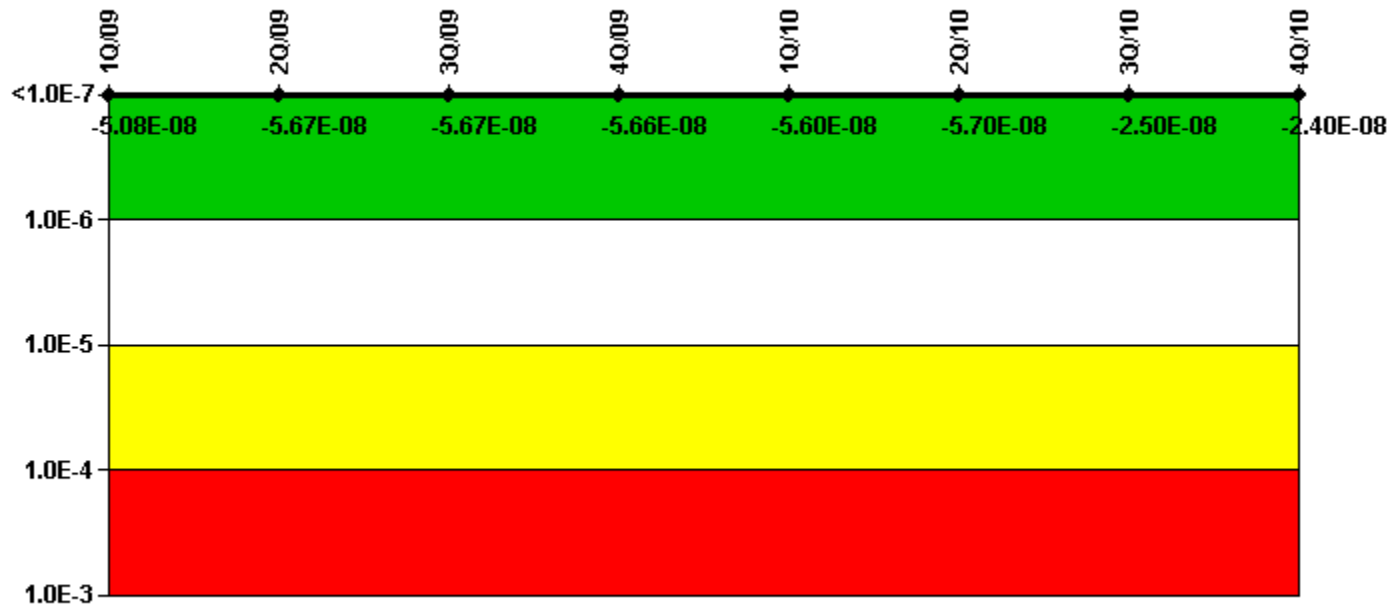
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-5.20E-10	1.60E-08	3.50E-08	-2.90E-09	1.06E-07	1.01E-07	7.68E-08	8.43E-08
URI (Δ CDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-2.16E-07	-2.16E-07	-5.41E-07	-5.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.79E-07	2.96E-07	3.15E-07	2.77E-07	-1.10E-07	-1.20E-07	-4.60E-07	-4.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



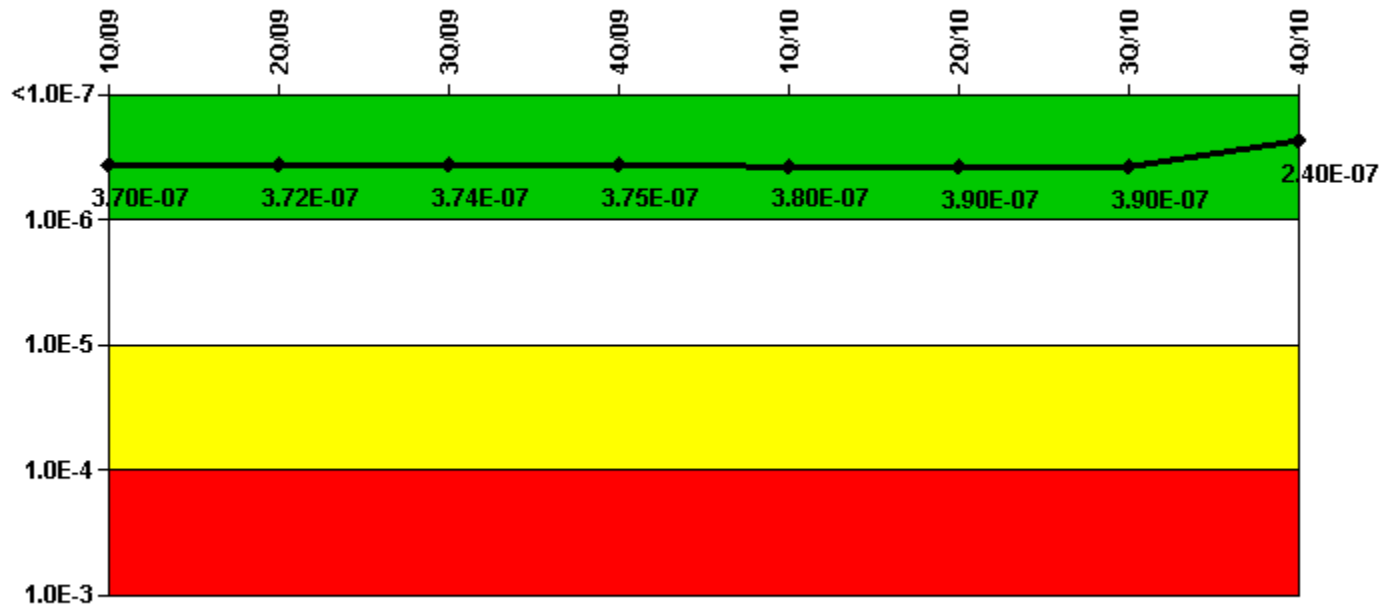
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	6.20E-09	3.50E-10	3.50E-10	4.10E-10	4.10E-10	2.26E-10	3.18E-08	3.20E-08
URI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.70E-08	-5.69E-08	-5.69E-08	-5.69E-08	-5.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.08E-08	-5.67E-08	-5.67E-08	-5.66E-08	-5.60E-08	-5.70E-08	-2.50E-08	-2.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



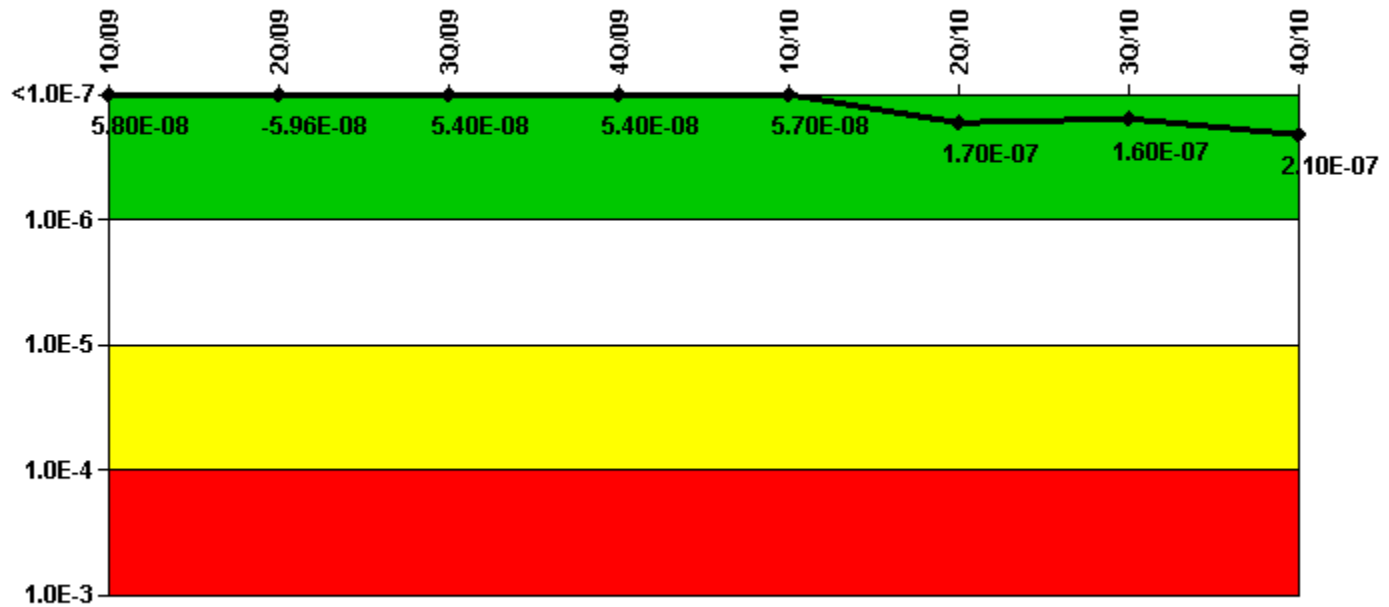
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	5.00E-08	5.20E-08	5.40E-08	5.50E-08	5.48E-08	6.93E-08	6.61E-08	3.11E-08
URI (Δ CDF)	3.20E-07	3.20E-07	3.20E-07	3.20E-07	3.23E-07	3.23E-07	3.23E-07	2.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.70E-07	3.72E-07	3.74E-07	3.75E-07	3.80E-07	3.90E-07	3.90E-07	2.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



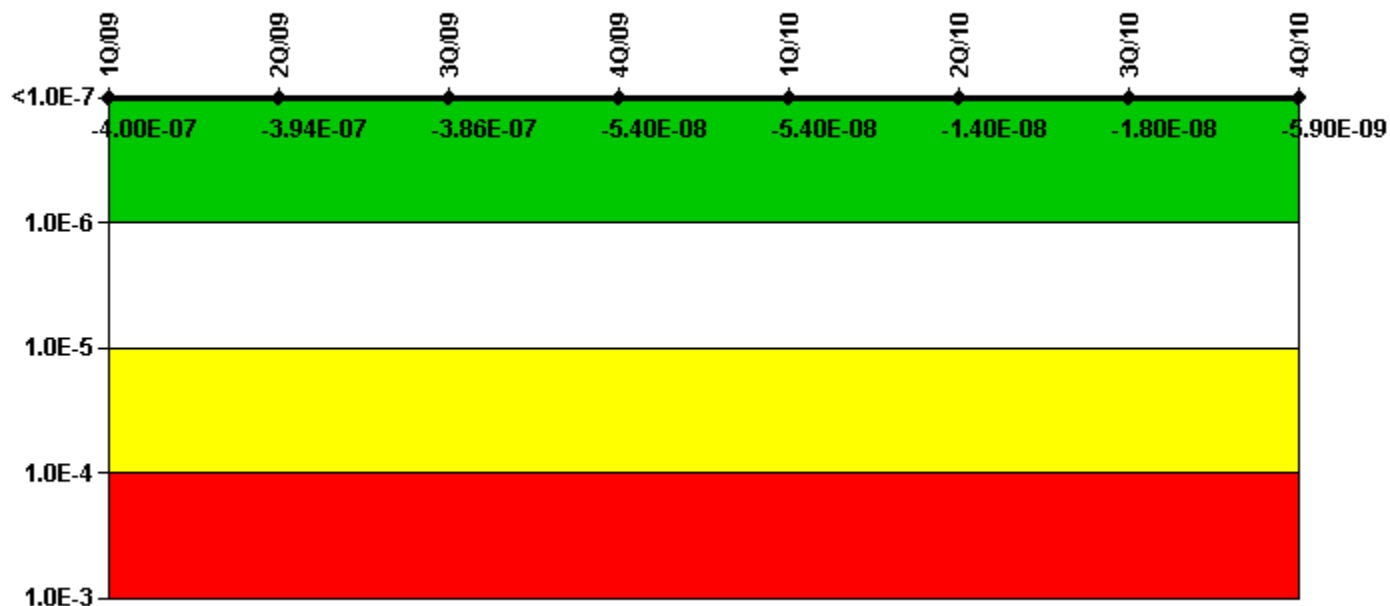
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.50E-08	-3.60E-09	1.10E-07	1.10E-07	1.13E-07	2.26E-07	2.13E-07	2.67E-07
URI (Δ CDF)	8.30E-08	-5.60E-08	-5.60E-08	-5.60E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.80E-08	5.96E-08	5.40E-08	5.40E-08	5.70E-08	1.70E-07	1.60E-07	2.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



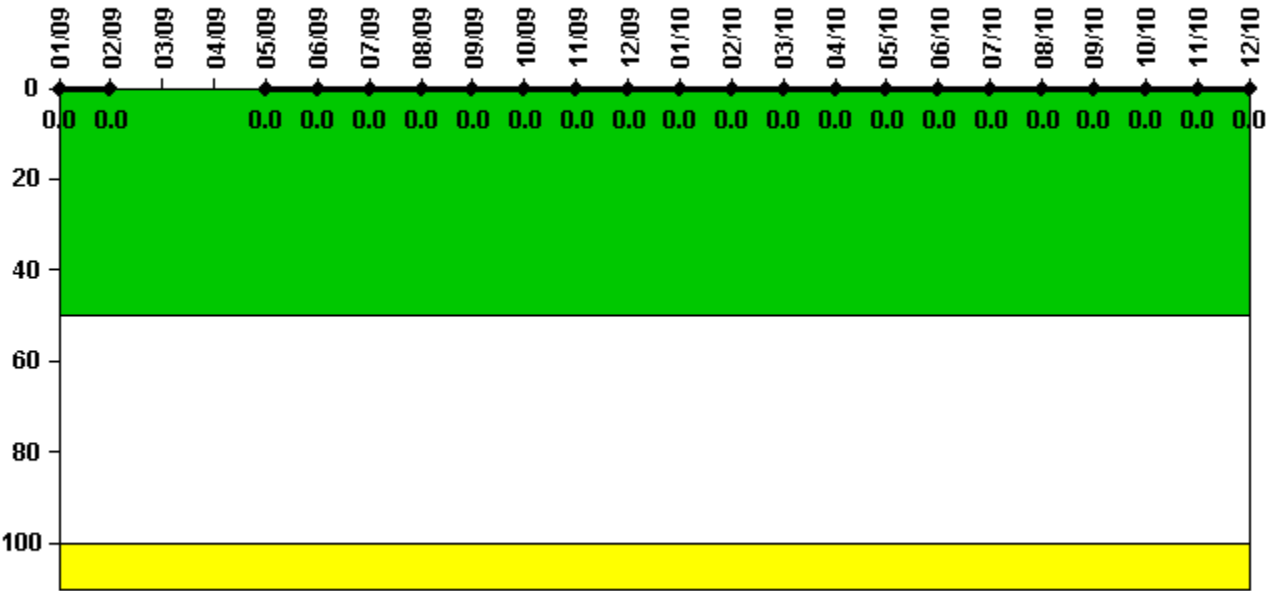
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-5.00E-08	-4.40E-08	-3.60E-08	-1.50E-08	-1.48E-08	2.54E-08	2.06E-08	3.09E-08
URI (ΔCDF)	-3.50E-07	-3.50E-07	-3.50E-07	-3.90E-08	-3.89E-08	-3.89E-08	-3.89E-08	-3.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-07	-3.94E-07	-3.86E-07	-5.40E-08	-5.40E-08	-1.40E-08	-1.80E-08	-5.90E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

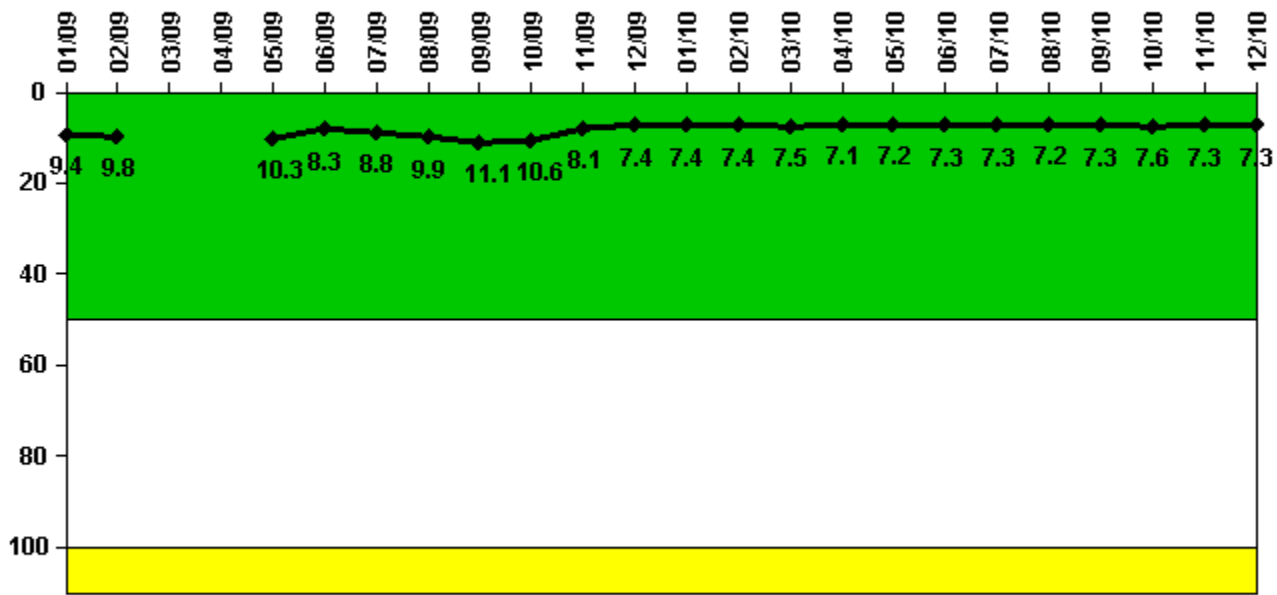
Notes

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	0.000022	0.000022	N/A	N/A	0.000008	0.000012	0.000015	0.000013	0.000012	0.000012	0.000014	0.000019
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	N/A	N/A	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	0.000017	0.000018	0.000018	0.000018	0.000024	0.000022	0.000020	0.000022	0.000030	0.000026	0.000029	0.000026
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



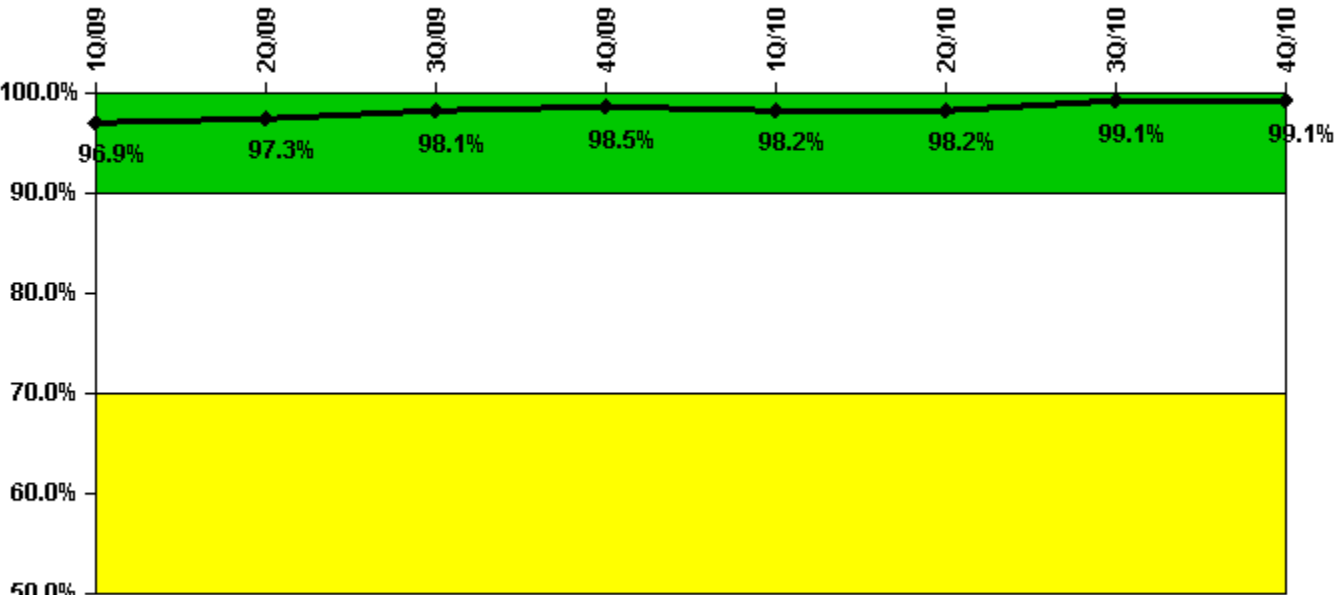
Thresholds: White > 50.0 Yellow > 100.0

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	2.820	2.940	N/A	N/A	3.100	2.500	2.650	2.980	3.330	3.170	2.420	2.230
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.4	9.8	N/A	N/A	10.3	8.3	8.8	9.9	11.1	10.6	8.1	7.4
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	2.230	2.230	2.240	2.130	2.150	2.190	2.200	2.150	2.200	2.290	2.190	2.190
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.4	7.4	7.5	7.1	7.2	7.3	7.3	7.2	7.3	7.6	7.3	7.3

Licensee Comments: none

Drill/Exercise Performance



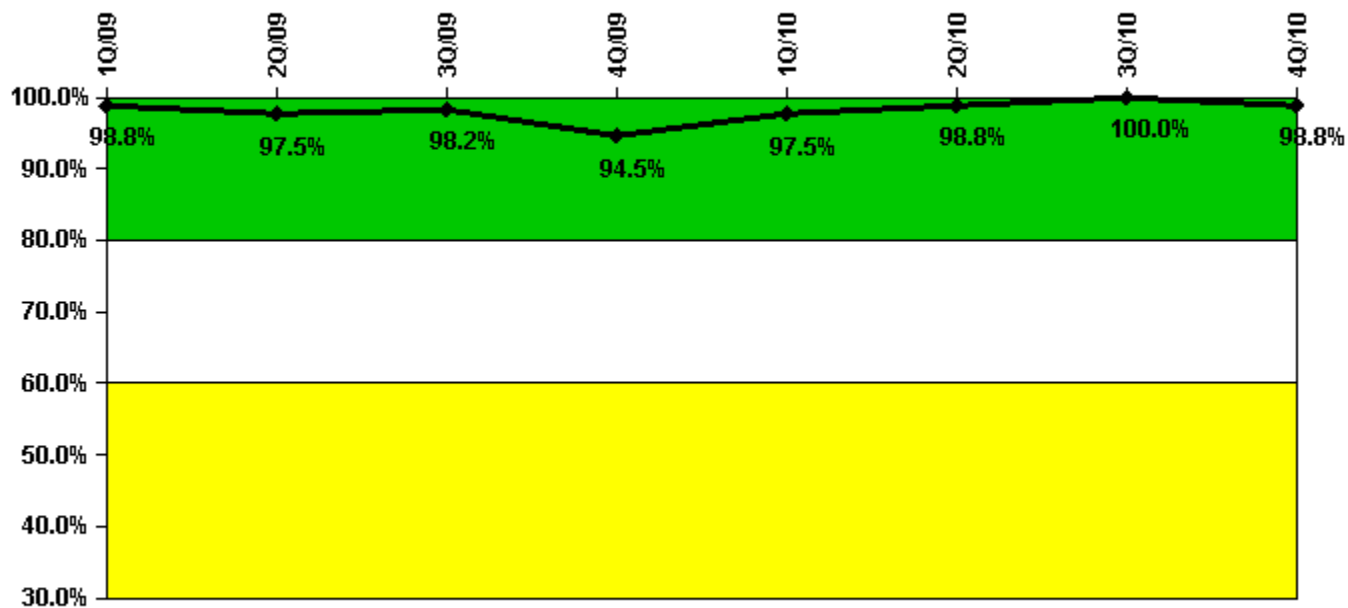
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	16.0	12.0	34.0	30.0	37.0	20.0	48.0	21.0
Total opportunities	16.0	12.0	34.0	30.0	38.0	20.0	49.0	21.0
Indicator value	96.9%	97.3%	98.1%	98.5%	98.2%	98.2%	99.1%	99.1%

Licensee Comments: none

ERO Drill Participation



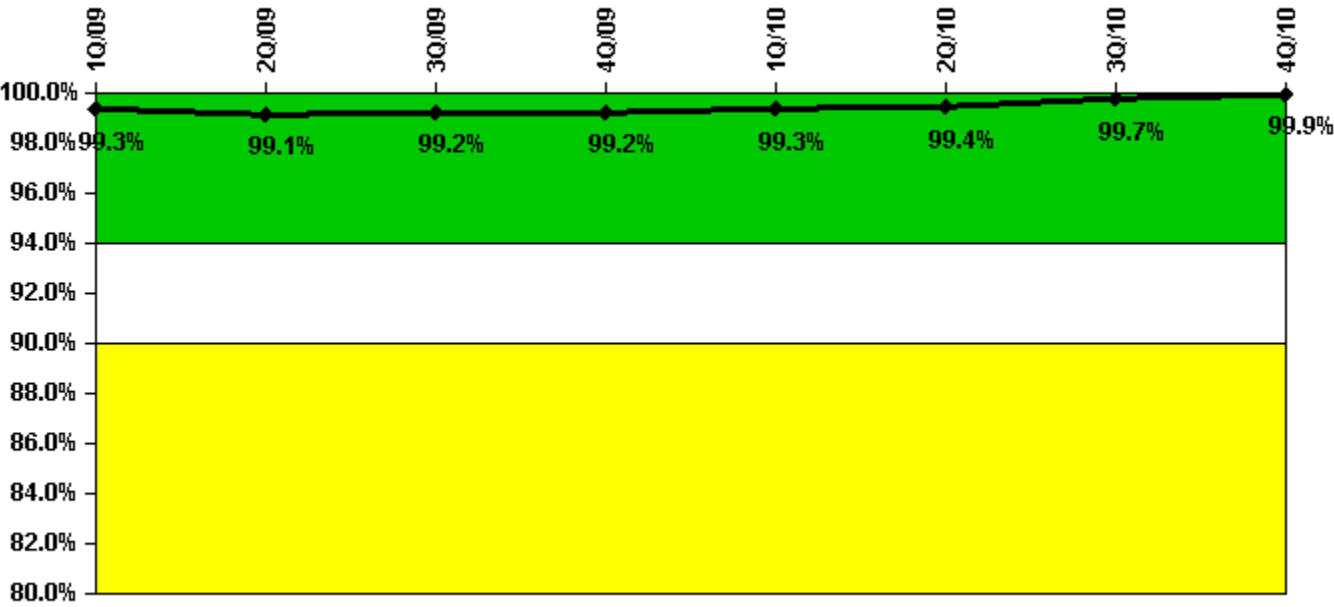
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	169.0	158.0	162.0	156.0	158.0	162.0	166.0	162.0
Total Key personnel	171.0	162.0	165.0	165.0	162.0	164.0	166.0	164.0
Indicator value	98.8%	97.5%	98.2%	94.5%	97.5%	98.8%	100.0%	98.8%

Licensee Comments: none

Alert & Notification System



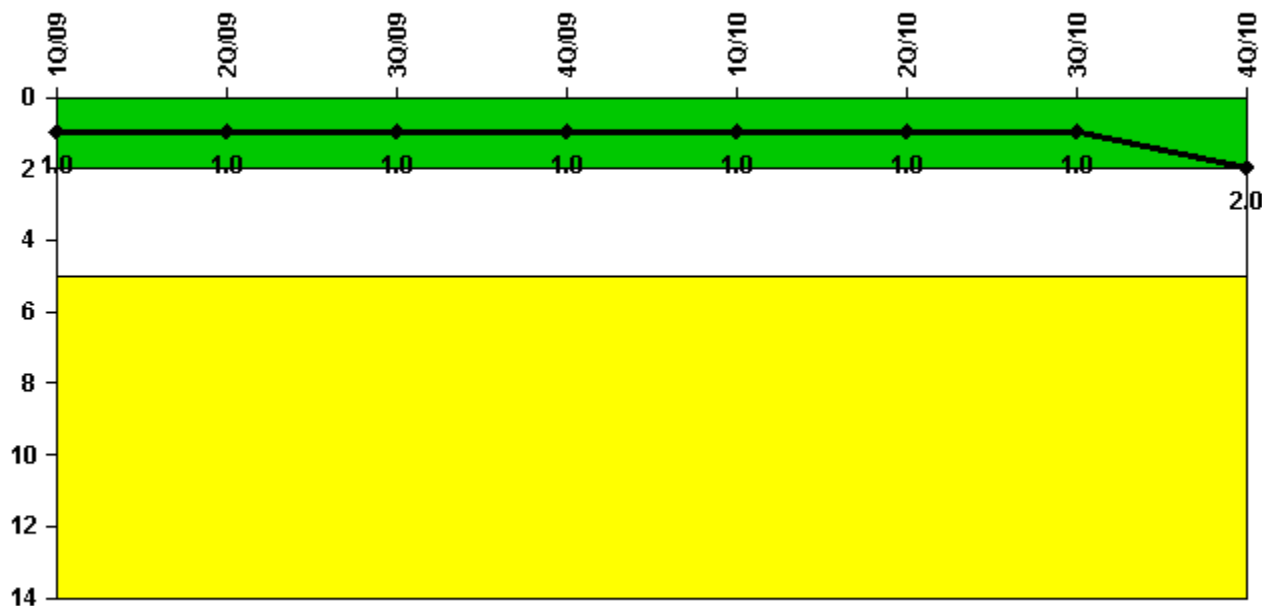
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	604	528	527	451	532	530	532	532
Total sirens-tests	608	532	532	456	532	532	532	532
Indicator value	99.3%	99.1%	99.2%	99.2%	99.3%	99.4%	99.7%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

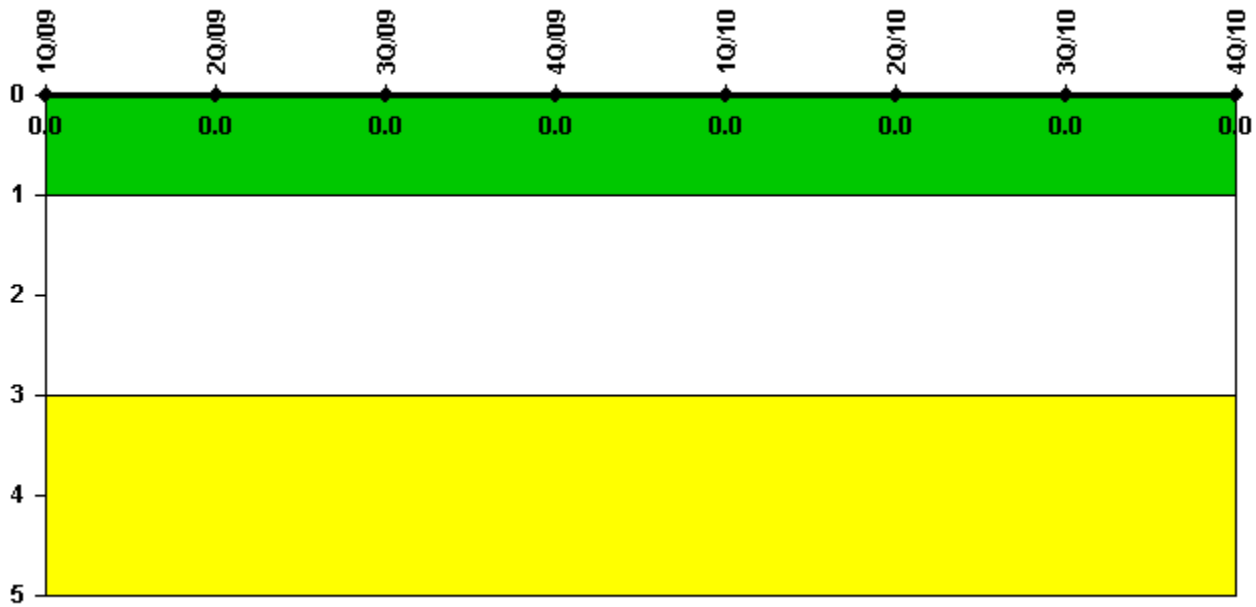
Occupational Exposure Control Effectiveness	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
High radiation area occurrences	1	0	0	0	1	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	1	1	1	1	1	1	1	2

Licensee Comments:

4Q/10: The High radiation area occurrence reported for November 2010 caused re-review of a March 12, 2010, occurrence where a radworker entered a Technical Specification High Radiation Area (TSHRA) where no briefing on radiological conditions was provided and received a dose rate alarm. This occurrence was determined to represent a loss of control of work in a TSHRA and is to be counted under the PI. A change file was prepared to correct the March 2010 PI data reported. The indicator color remains green. The indicator value is at the Increased Regulatory Response Band Threshold (2).

1Q/10: Corrected the number of High radiation area occurrences for March 2010 to 1 from 0 initially reported. On March 12, 2010, a radworker entered a Technical Specification High Radiation Area (TSHRA) where no briefing on radiological conditions was provided and received a dose rate alarm. This event represents a loss of control of work in a TSHRA and was identified by the Radiation Protection staff during review of a similar event in November 2010. The indicator color is green and is not changed by this correction.

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

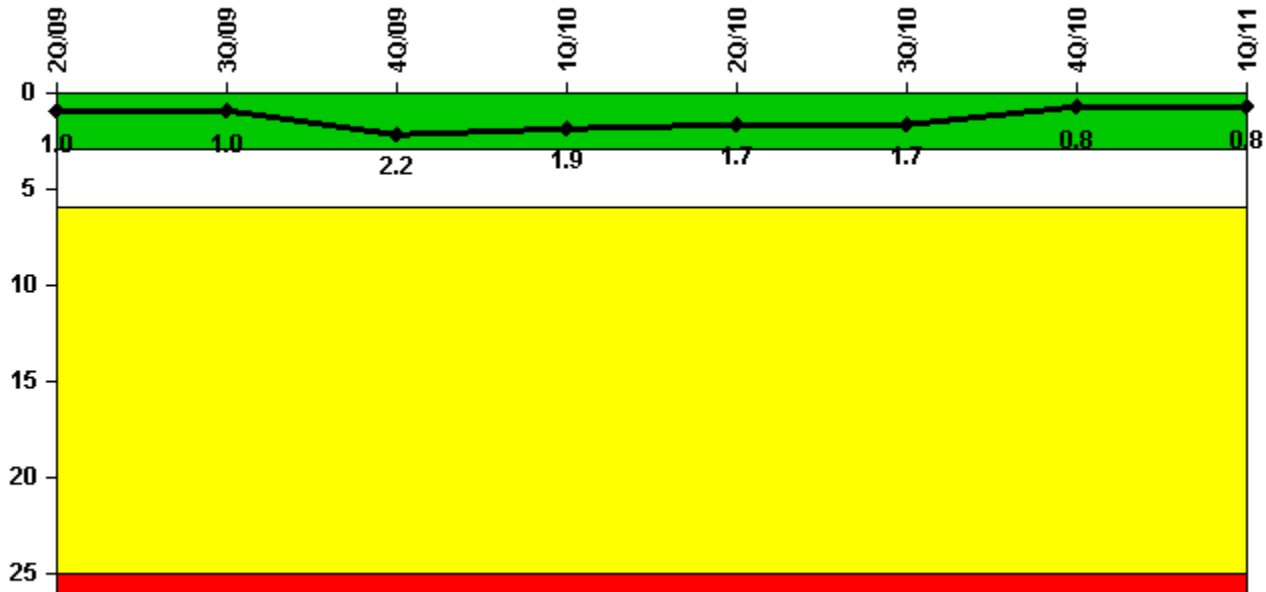
[Security](#) information not publicly available.

Perry 1

1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



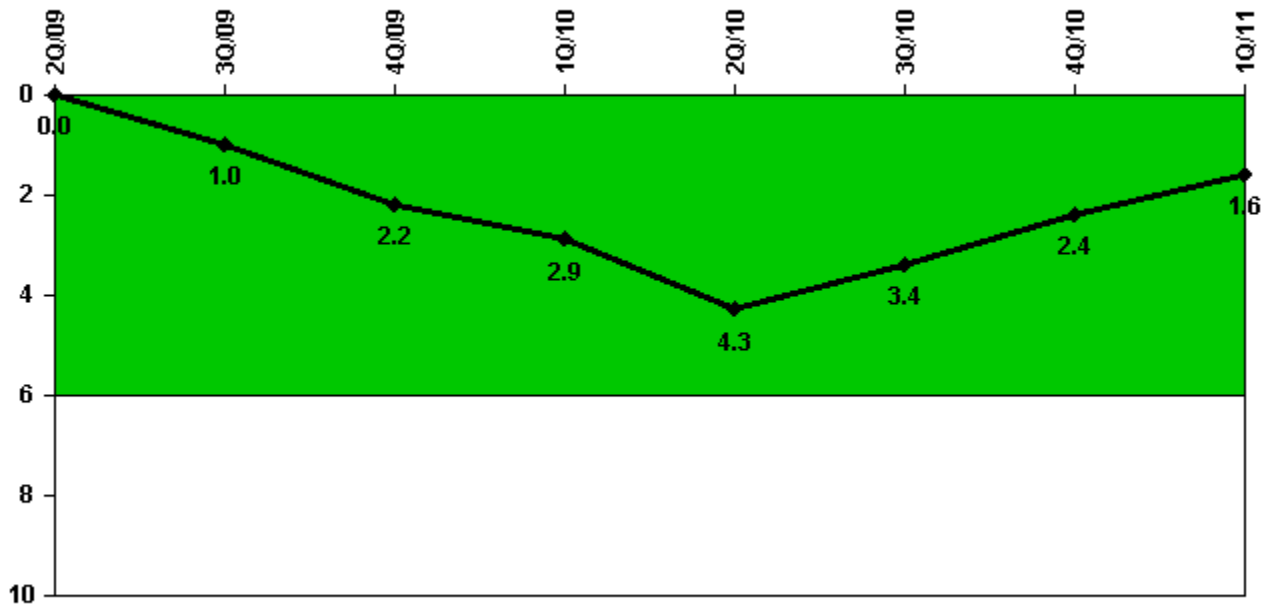
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0	1.0	0	0	0
Critical hours	1134.7	2208.0	1801.9	2159.0	2049.3	2208.0	2209.0	2159.0
Indicator value	1.0	1.0	2.2	1.9	1.7	1.7	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



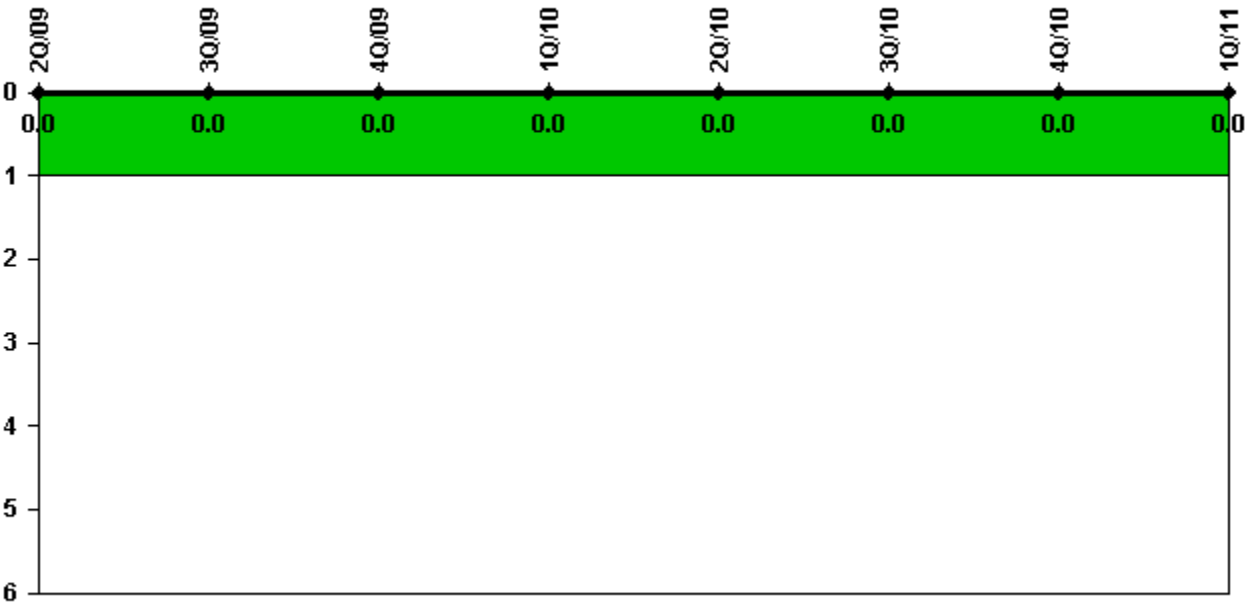
Thresholds: White > 6.0

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	1.0	1.0	1.0	2.0	0	0	0
Critical hours	1134.7	2208.0	1801.9	2159.0	2049.3	2208.0	2209.0	2159.0
Indicator value	0	1.0	2.2	2.9	4.3	3.4	2.4	1.6

Licensee Comments: none

Unplanned Scrams with Complications



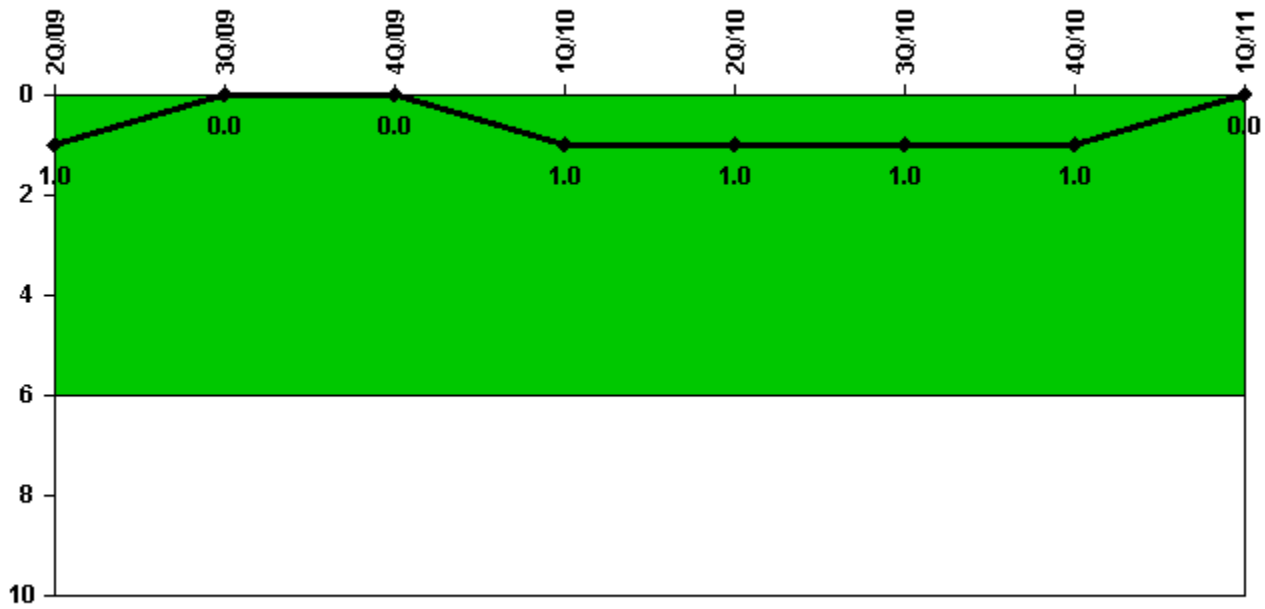
Thresholds: White > 1.0

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 (BWR)



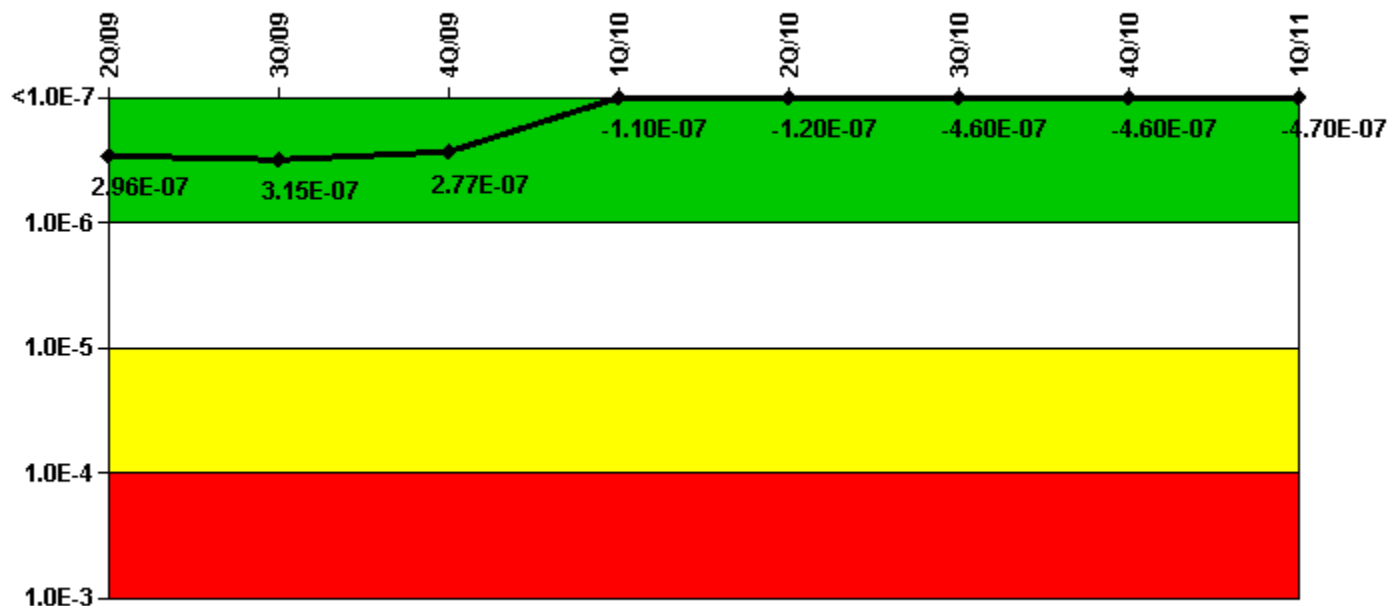
Thresholds: White > 6.0

Notes

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

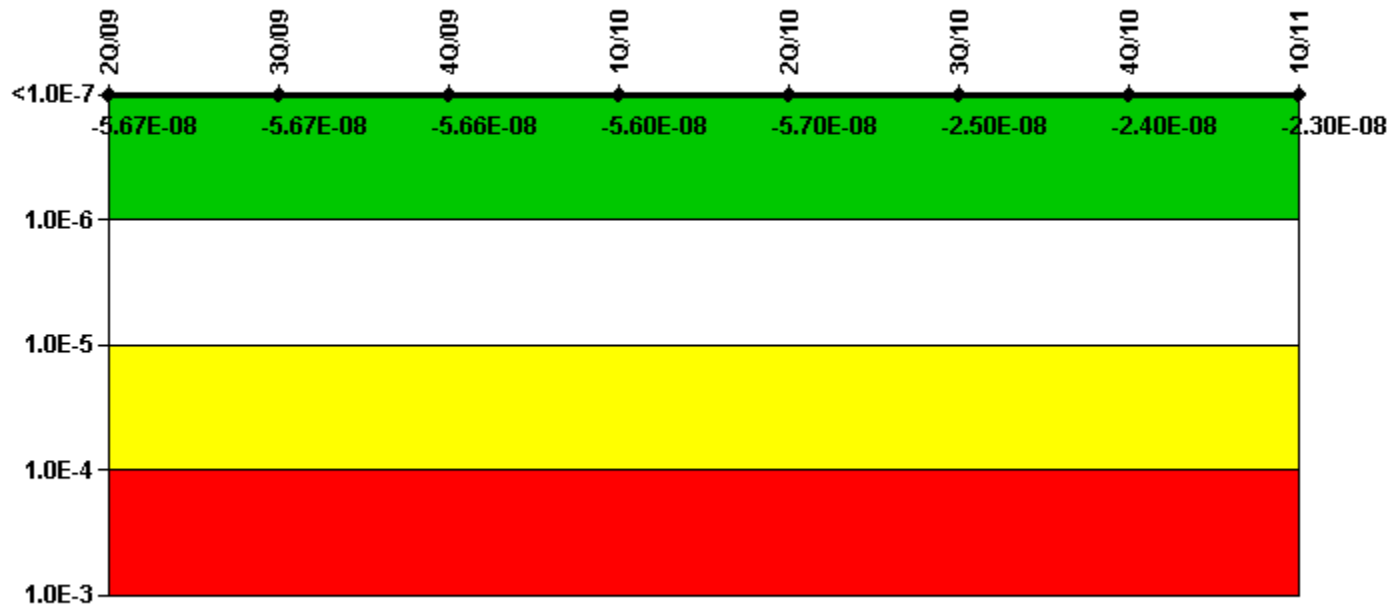
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	1.60E-08	3.50E-08	-2.90E-09	1.06E-07	1.01E-07	7.68E-08	8.43E-08	6.67E-08
URI (ΔCDF)	2.80E-07	2.80E-07	2.80E-07	-2.16E-07	-2.16E-07	-5.41E-07	-5.41E-07	-5.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.96E-07	3.15E-07	2.77E-07	-1.10E-07	-1.20E-07	-4.60E-07	-4.60E-07	-4.70E-07

Licensee Comments:

1Q/11: Changed PRA Parameter(s). When using the What-If Mode to evaluate impact of new PRA parameters, an error occurred in CDE when saving Emergency AC Power Common Cause Adjustment Factors (CCF) - the parameters were inappropriately applied to the Production Mode. This caused the System-Generated PI Comment to be created. The CCFs in Production mode were returned to the correct values.

Mitigating Systems Performance Index, High Pressure Injection System



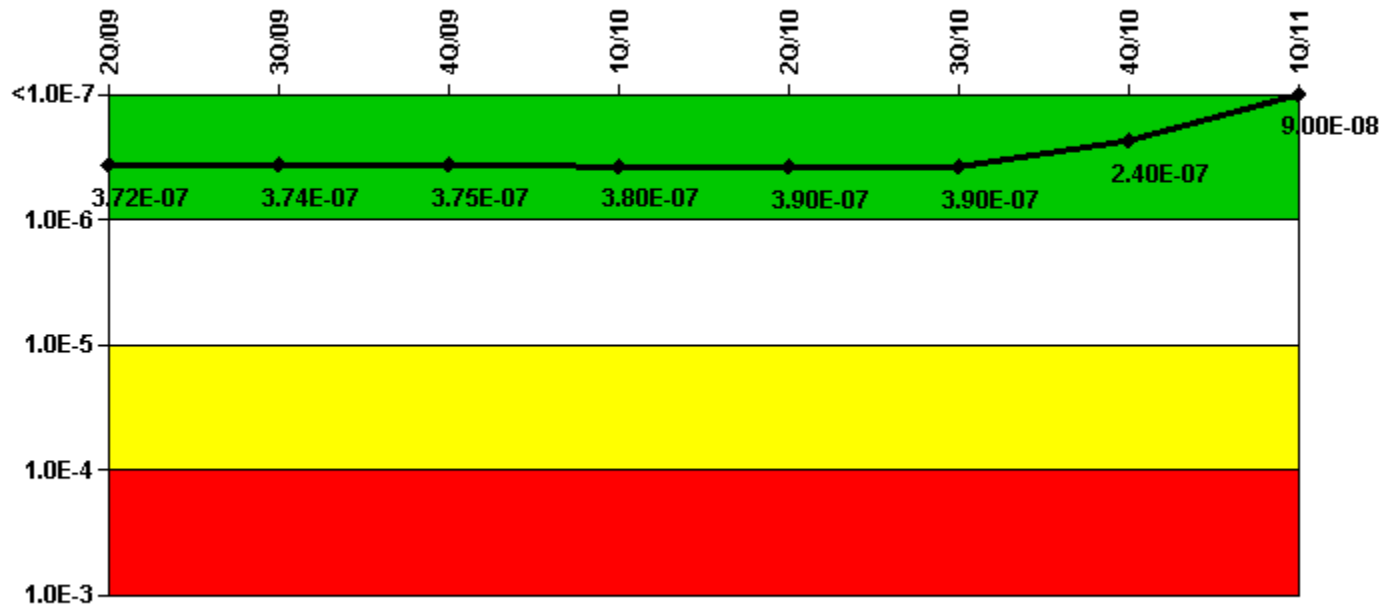
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	3.50E-10	3.50E-10	4.10E-10	4.10E-10	2.26E-10	3.18E-08	3.20E-08	3.27E-08
URI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.69E-08	-5.69E-08	-5.69E-08	-5.57E-08	-5.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.67E-08	-5.67E-08	-5.66E-08	-5.60E-08	-5.70E-08	-2.50E-08	-2.40E-08	-2.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



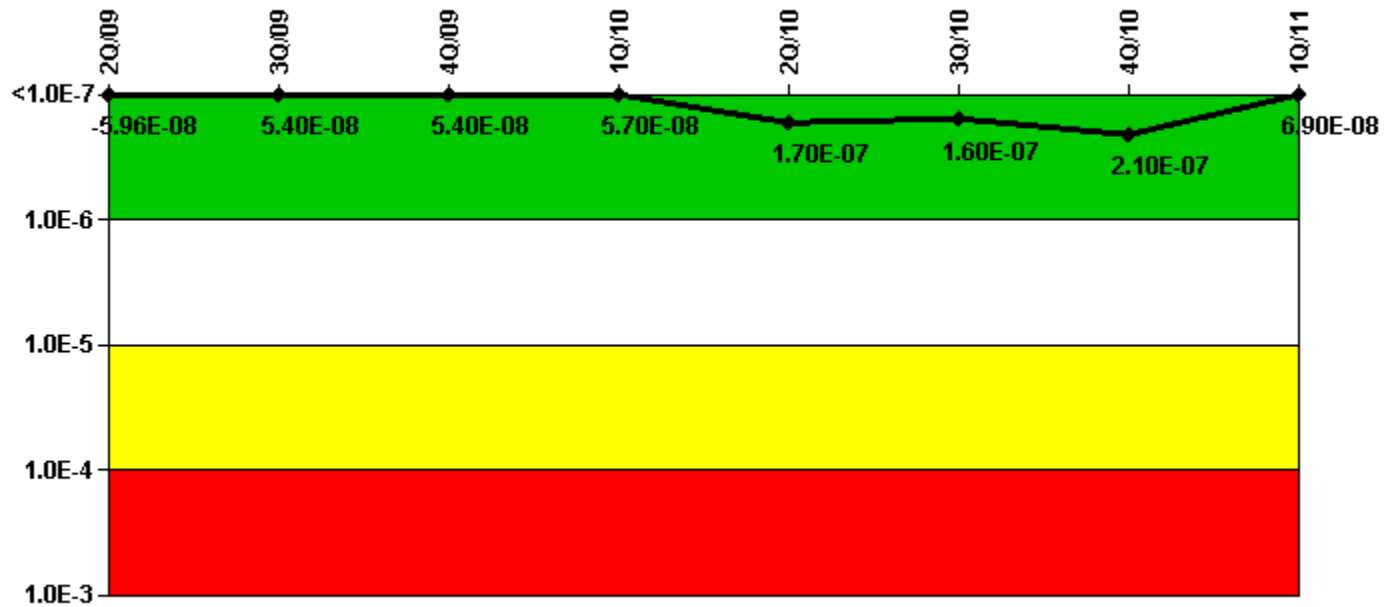
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	5.20E-08	5.40E-08	5.50E-08	5.48E-08	6.93E-08	6.61E-08	3.11E-08	-1.53E-09
URI (Δ CDF)	3.20E-07	3.20E-07	3.20E-07	3.23E-07	3.23E-07	3.23E-07	2.11E-07	9.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.72E-07	3.74E-07	3.75E-07	3.80E-07	3.90E-07	3.90E-07	2.40E-07	9.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



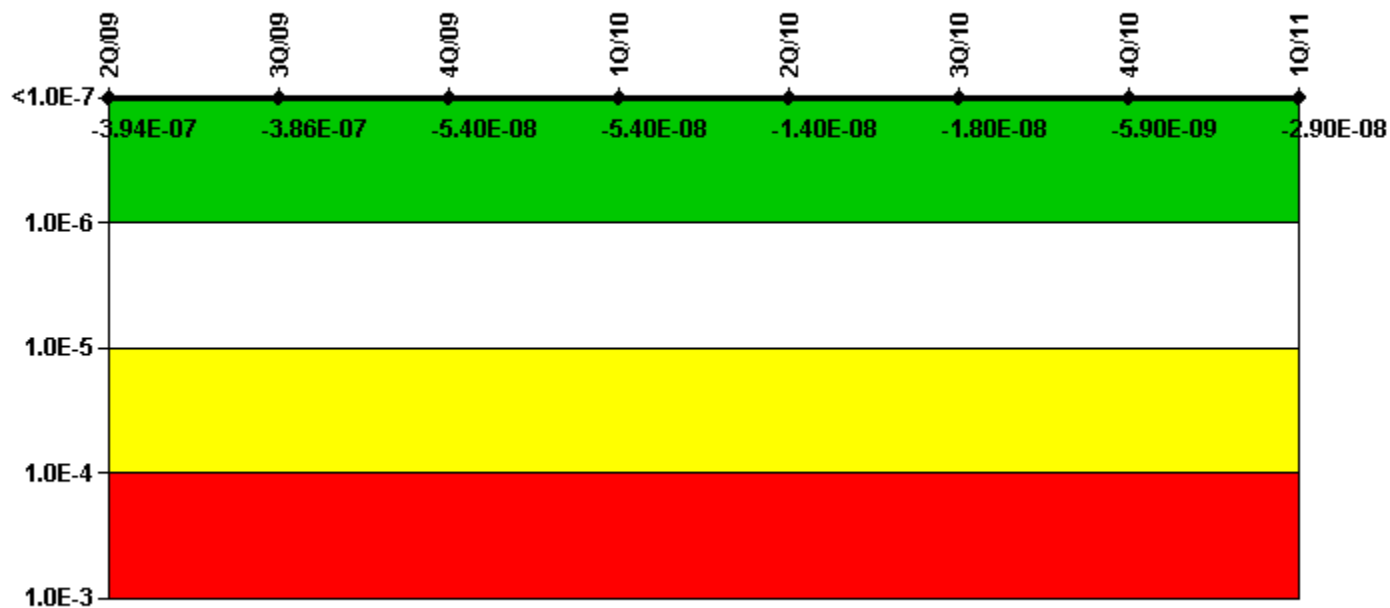
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-3.60E-09	1.10E-07	1.10E-07	1.13E-07	2.26E-07	2.13E-07	2.67E-07	1.25E-07
URI (Δ CDF)	-5.60E-08	-5.60E-08	-5.60E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.62E-08	-5.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.96E-08	5.40E-08	5.40E-08	5.70E-08	1.70E-07	1.60E-07	2.10E-07	6.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



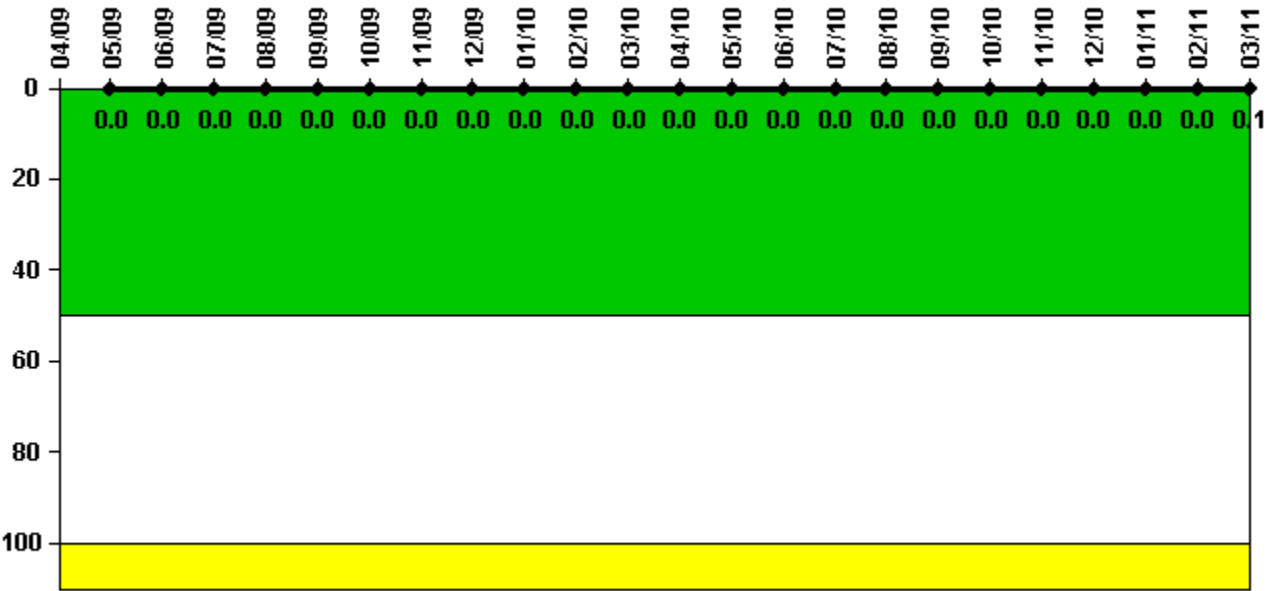
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-4.40E-08	-3.60E-08	-1.50E-08	-1.48E-08	2.54E-08	2.06E-08	3.09E-08	7.45E-09
URI (ΔCDF)	-3.50E-07	-3.50E-07	-3.90E-08	-3.89E-08	-3.89E-08	-3.89E-08	-3.68E-08	-3.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.94E-07	-3.86E-07	-5.40E-08	-5.40E-08	-1.40E-08	-1.80E-08	-5.90E-09	-2.90E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

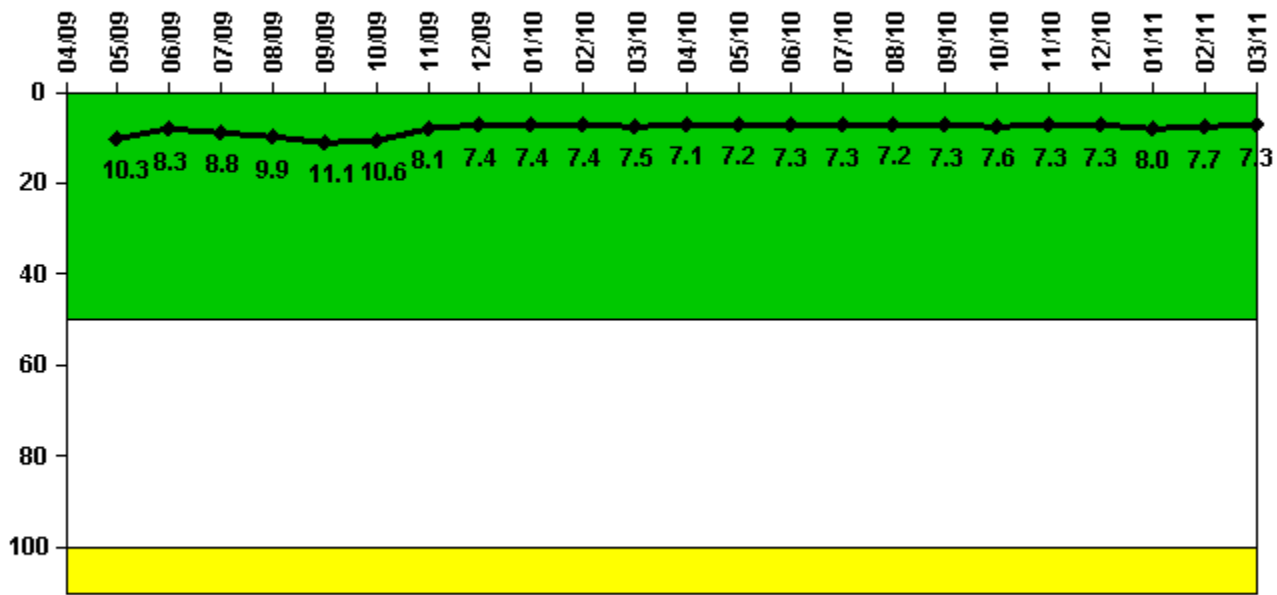
Notes

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	N/A	0.000008	0.000012	0.000015	0.000013	0.000012	0.000012	0.000014	0.000019	0.000017	0.000018	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	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	0.000018	0.000024	0.000022	0.000020	0.000022	0.000030	0.000026	0.000029	0.000026	0.000027	0.000025	0.000201
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0.1

Licensee Comments: none

Reactor Coolant System Leakage



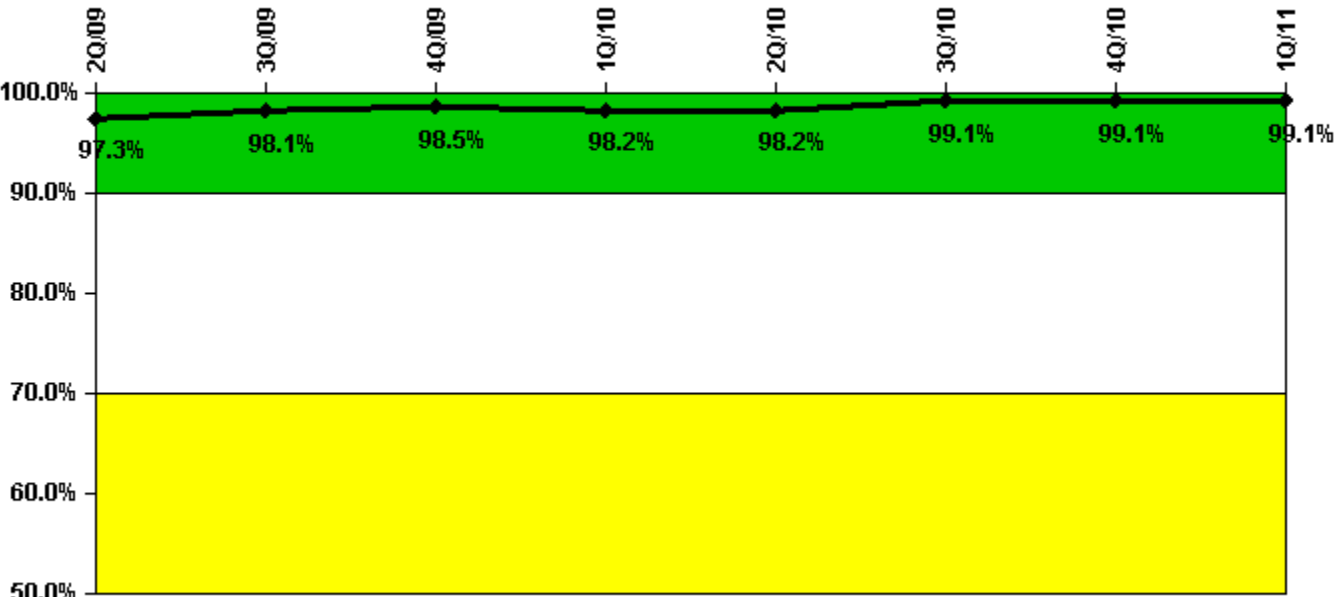
Thresholds: White > 50.0 Yellow > 100.0

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	N/A	3.100	2.500	2.650	2.980	3.330	3.170	2.420	2.230	2.230	2.230	2.240
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	10.3	8.3	8.8	9.9	11.1	10.6	8.1	7.4	7.4	7.4	7.5
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	2.130	2.150	2.190	2.200	2.150	2.200	2.290	2.190	2.190	2.410	2.300	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.1	7.2	7.3	7.3	7.2	7.3	7.6	7.3	7.3	8.0	7.7	7.3

Licensee Comments: none

Drill/Exercise Performance



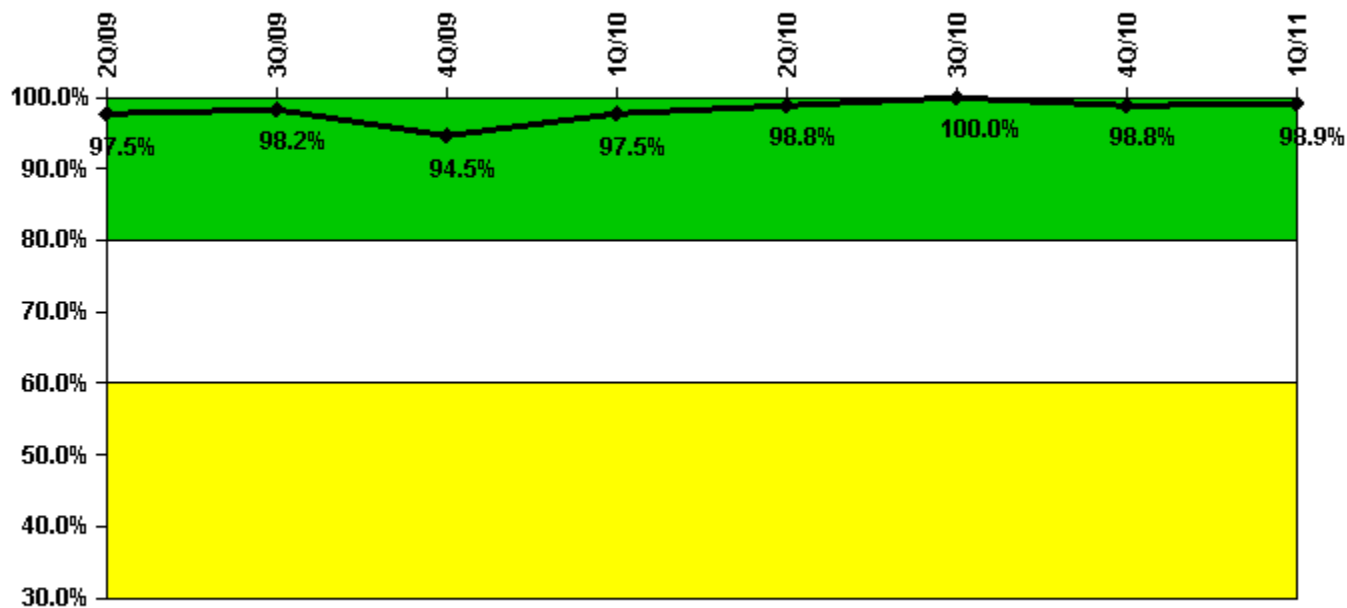
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	12.0	34.0	30.0	37.0	20.0	48.0	21.0	31.0
Total opportunities	12.0	34.0	30.0	38.0	20.0	49.0	21.0	31.0
Indicator value	97.3%	98.1%	98.5%	98.2%	98.2%	99.1%	99.1%	99.1%

Licensee Comments: none

ERO Drill Participation



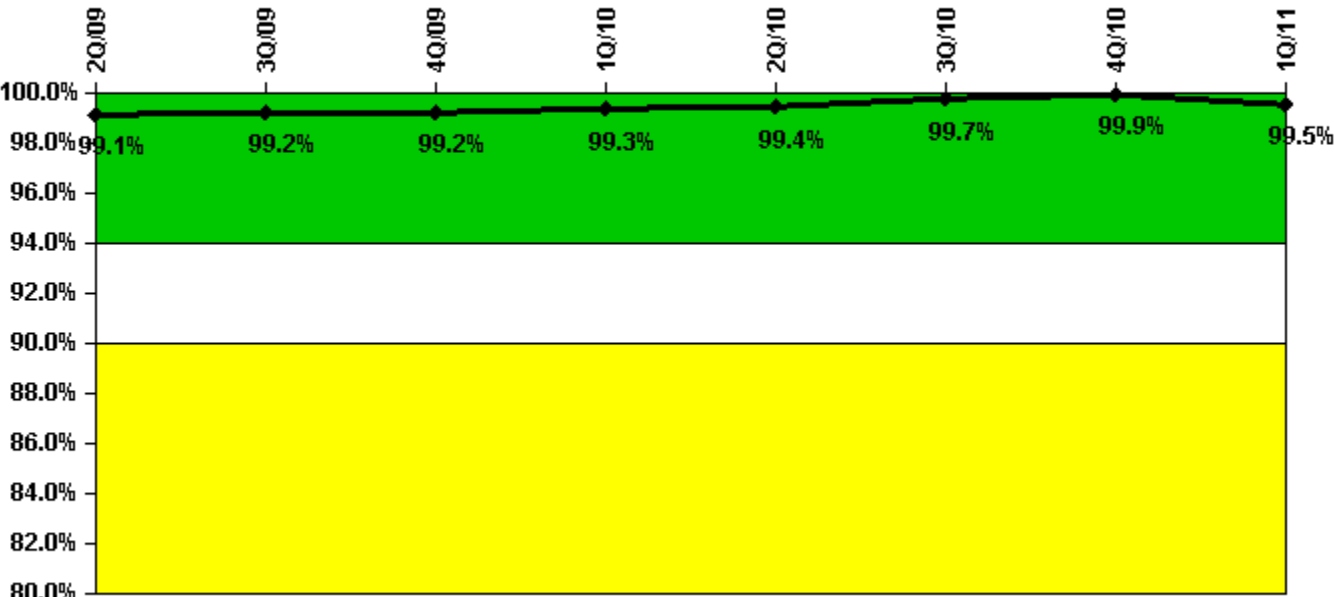
Thresholds: White < 80.0% Yellow < 60.0%

Notes

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

Licensee Comments: none

Alert & Notification System



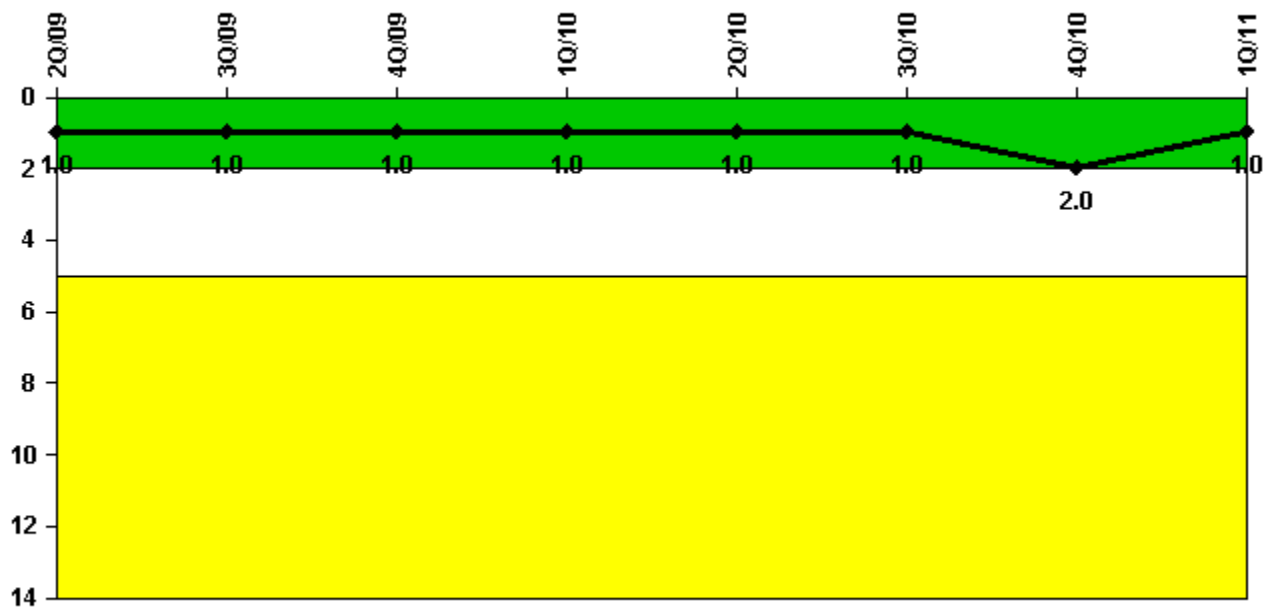
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	528	527	451	532	530	532	532	523
Total sirens-tests	532	532	456	532	532	532	532	532
Indicator value	99.1%	99.2%	99.2%	99.3%	99.4%	99.7%	99.9%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



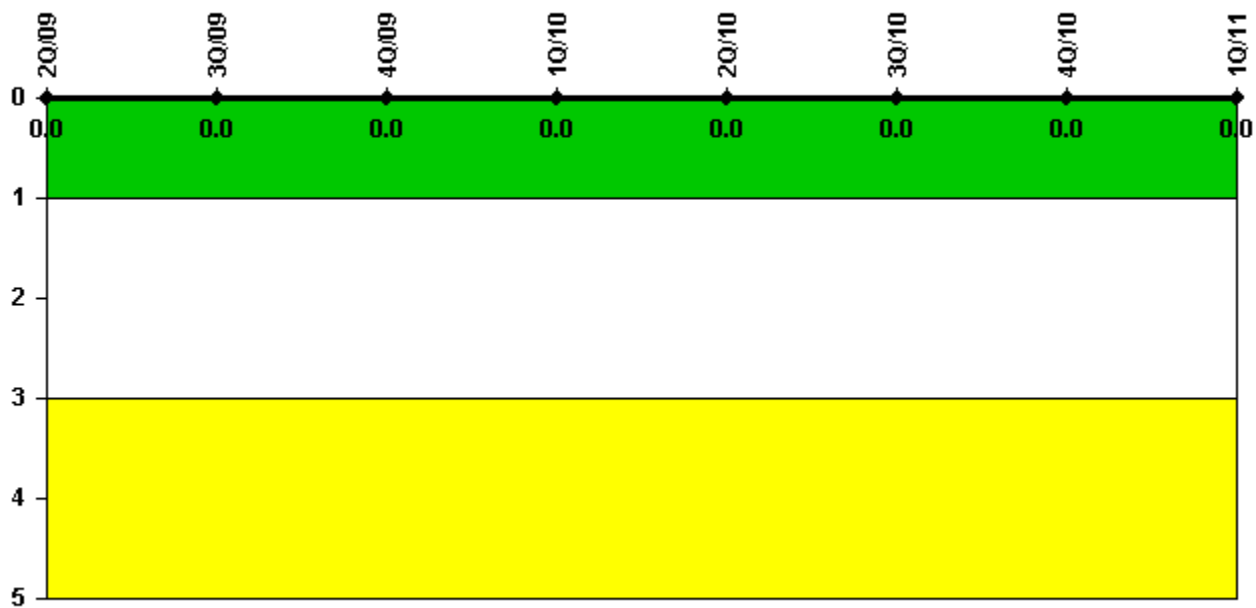
Thresholds: White > 2.0 Yellow > 5.0

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	1	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	1	1	2	1

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

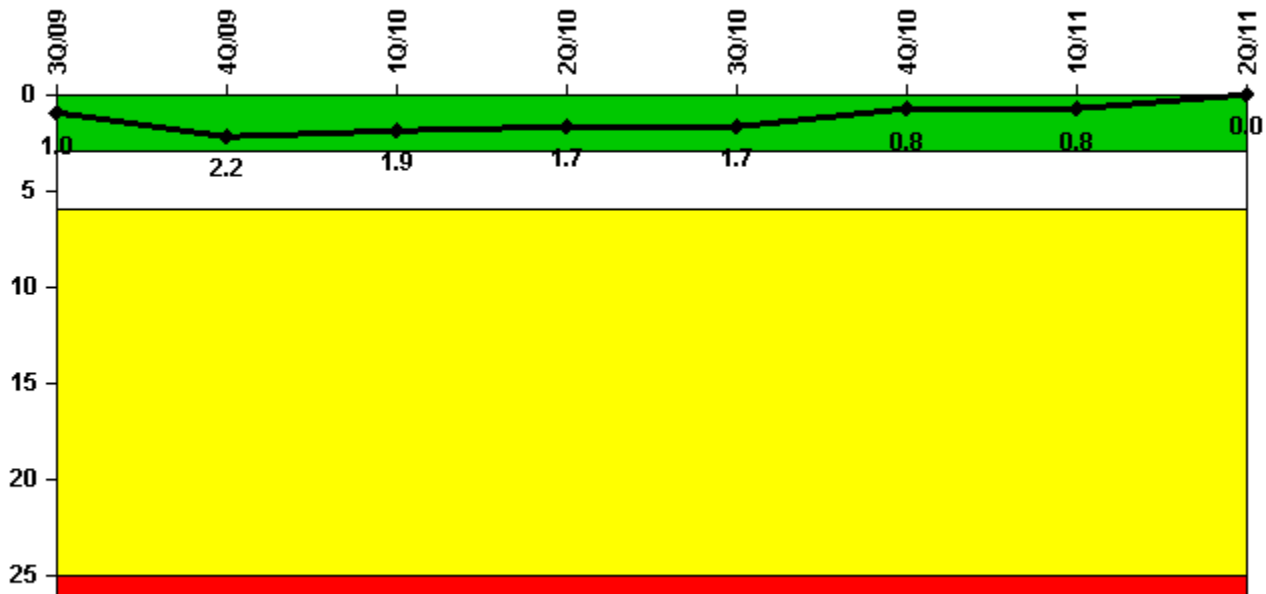
[Security](#) information not publicly available.

Perry 1

2Q/2011 Performance Indicators

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

Unplanned Scrams per 7000 Critical Hrs



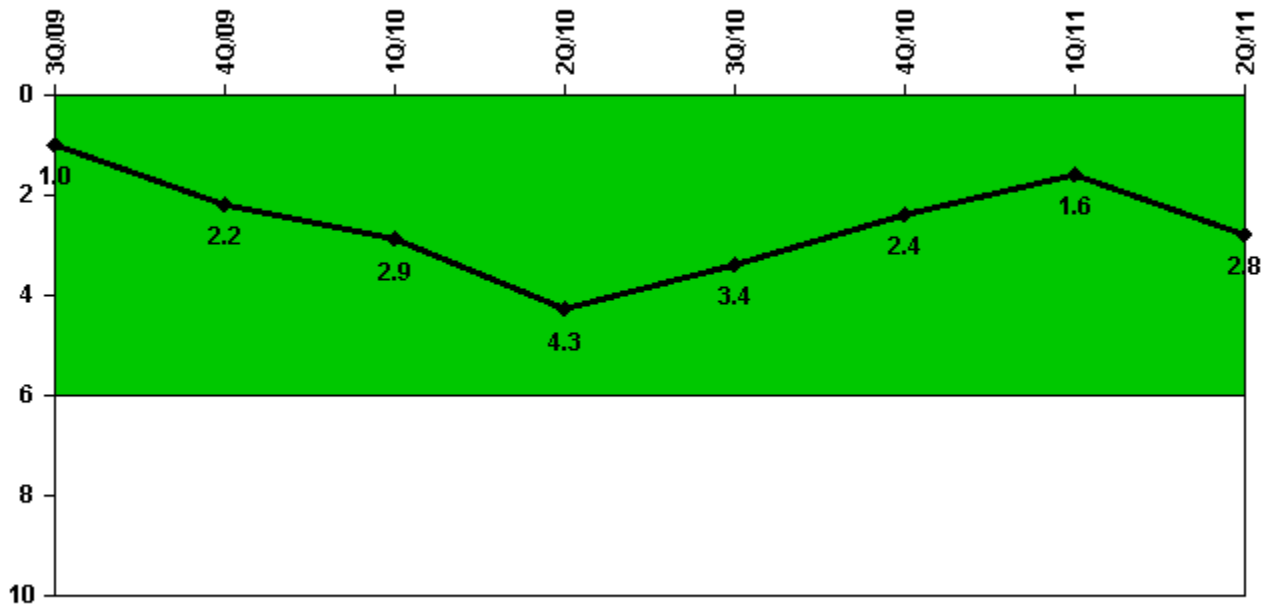
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



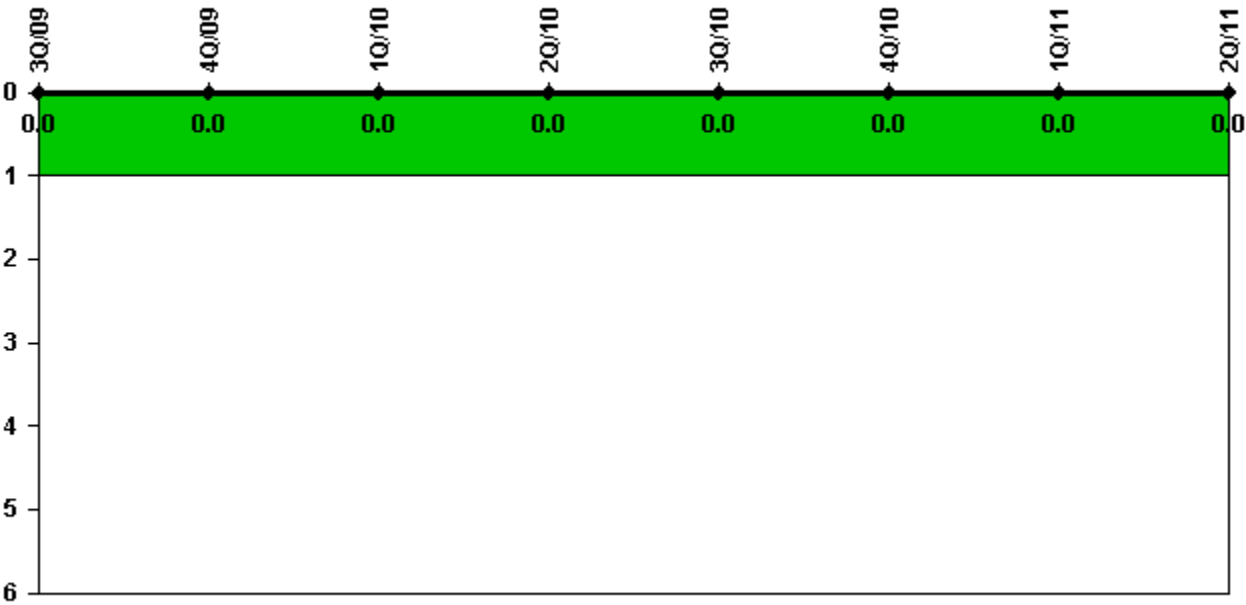
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Unplanned Scrams with Complications



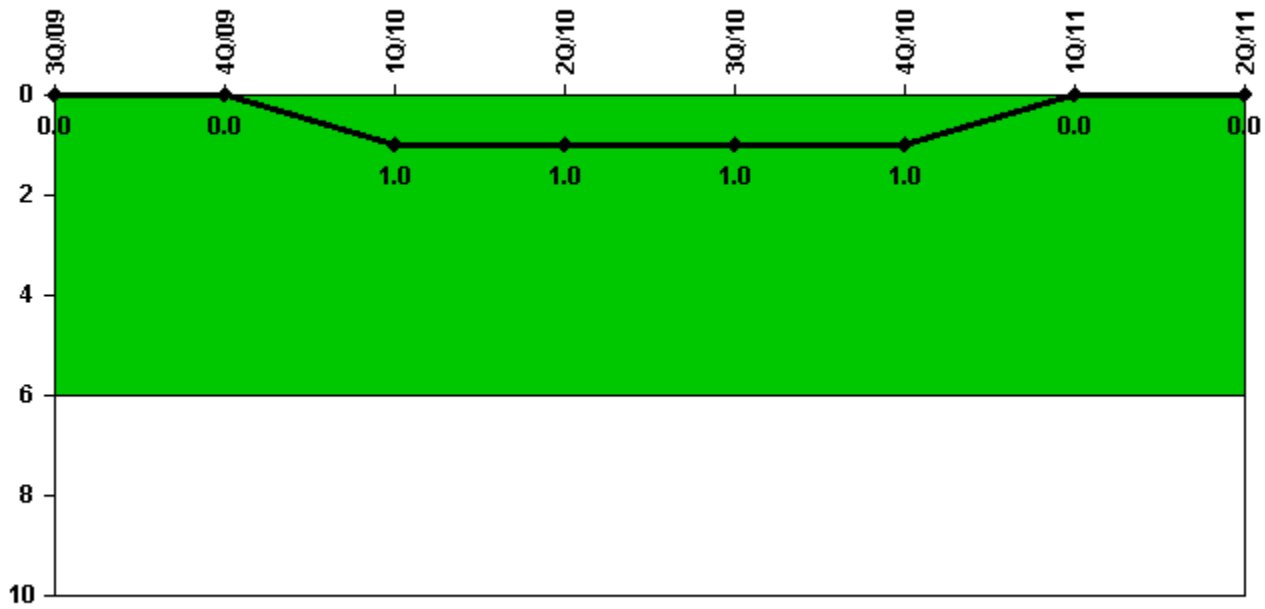
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



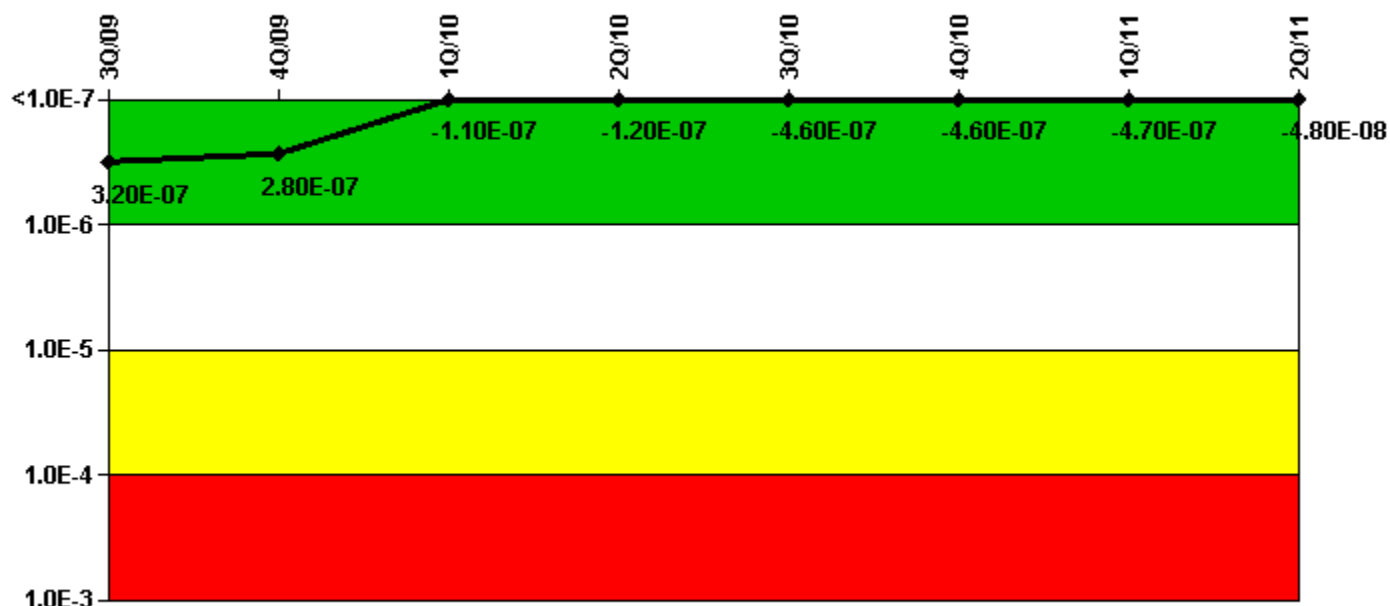
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

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

Licensee Comments:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

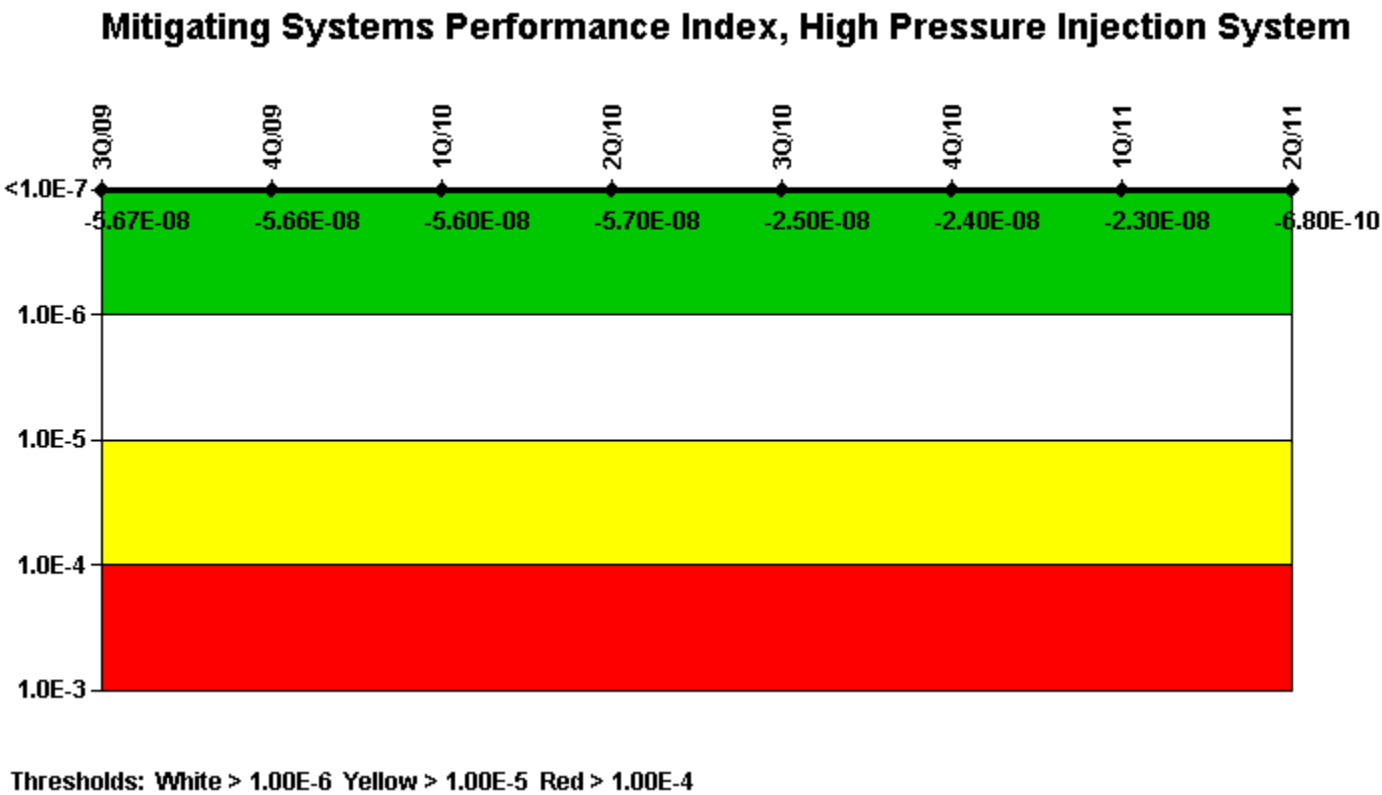
2Q/07: Risk Cap Invoked. Changed PRA Parameter(s).

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

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

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

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

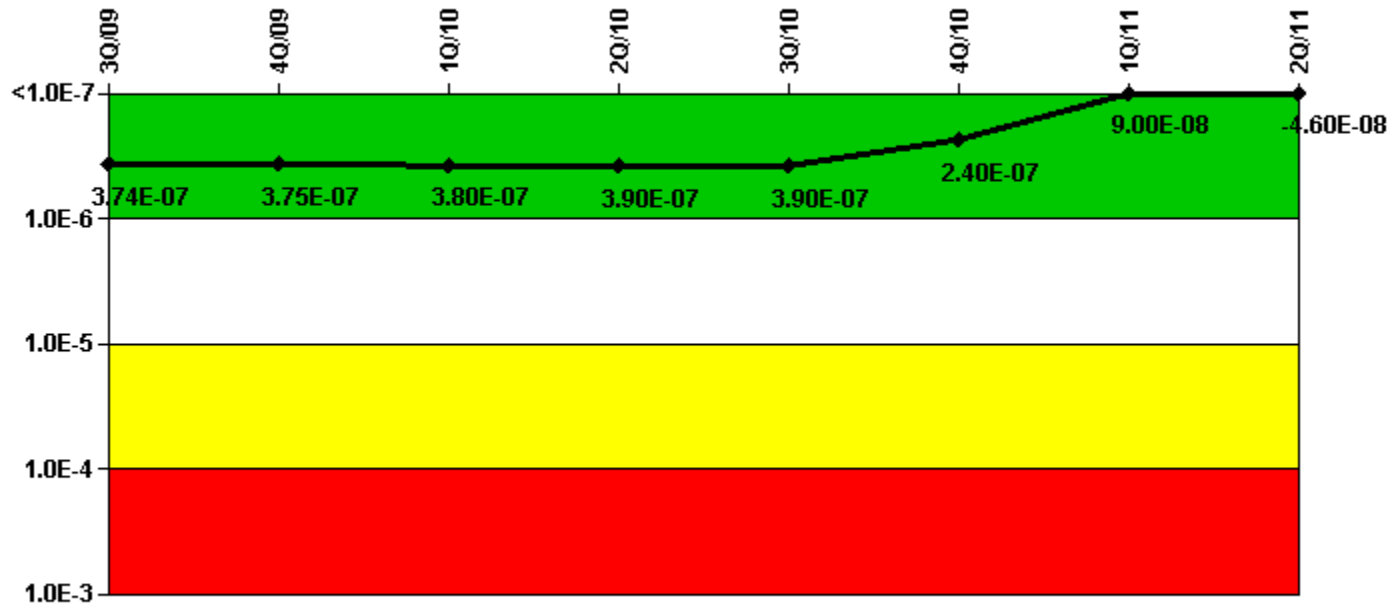


Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	3.50E-10	4.10E-10	4.10E-10	2.26E-10	3.18E-08	3.20E-08	3.27E-08	6.19E-08
URI (Δ CDF)	-5.70E-08	-5.70E-08	-5.69E-08	-5.69E-08	-5.69E-08	-5.57E-08	-5.57E-08	-6.26E-08
PLE	NO	NO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

Licensee Comments:

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

Mitigating Systems Performance Index, Heat Removal System



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

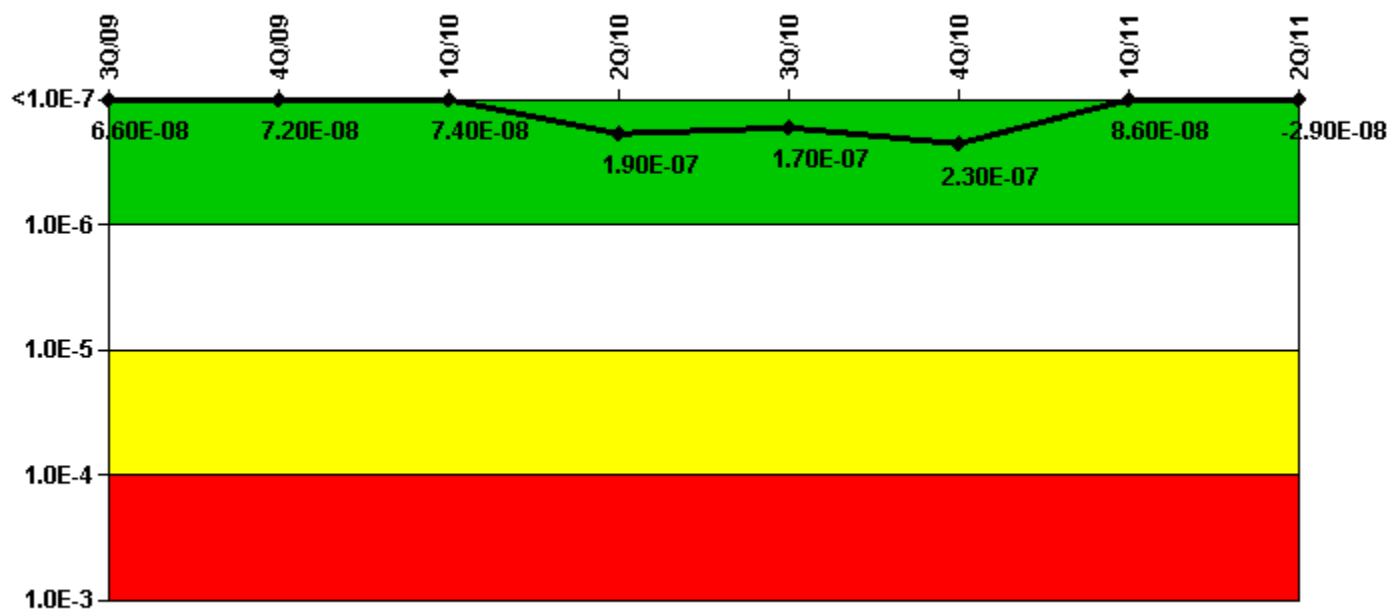
Notes

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

Licensee Comments:

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

Mitigating Systems Performance Index, Residual Heat Removal System



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

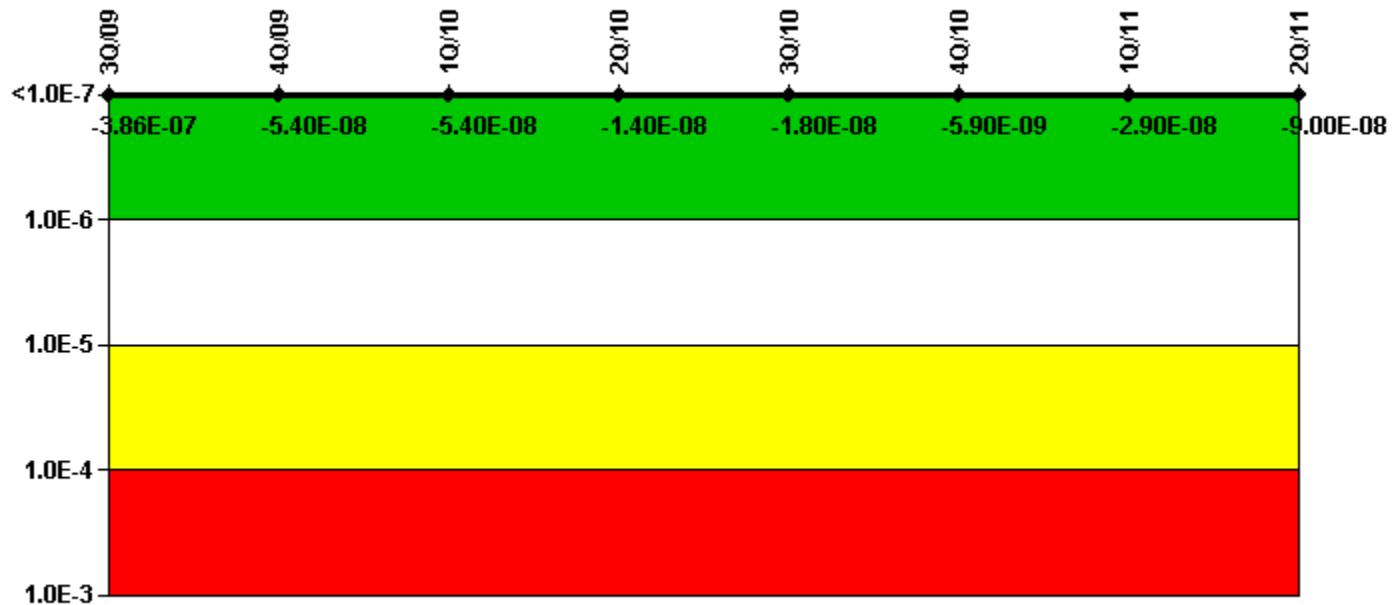
Notes

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

Licensee Comments:

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

Mitigating Systems Performance Index, Cooling Water Systems



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

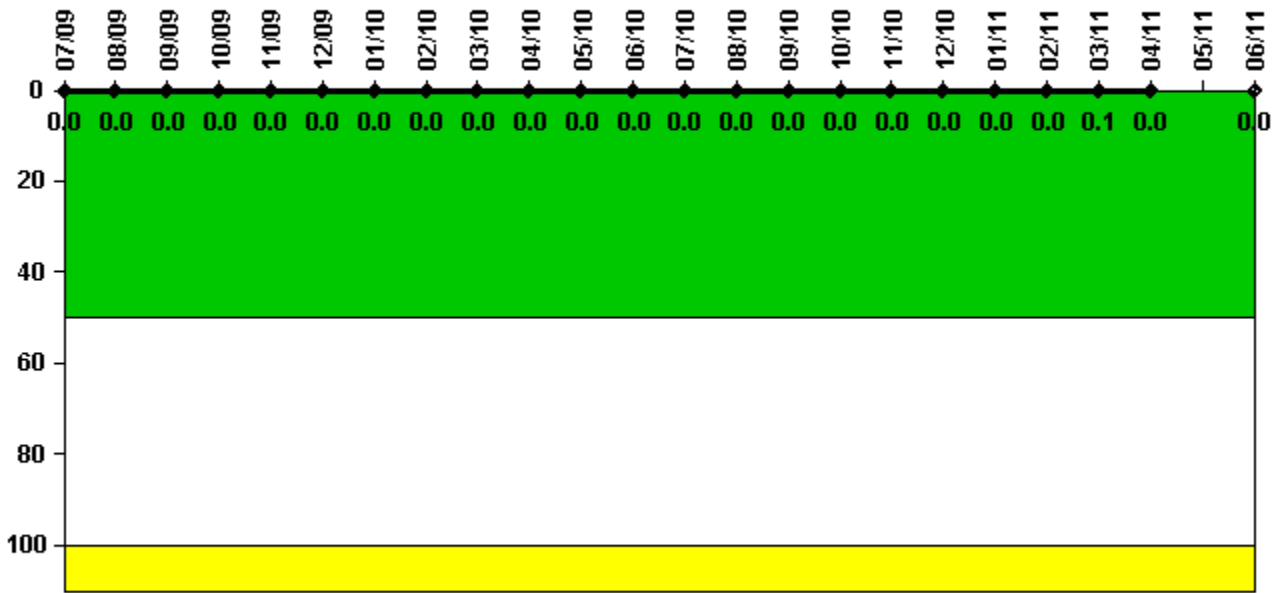
Notes

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

Licensee Comments:

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

Reactor Coolant System Activity



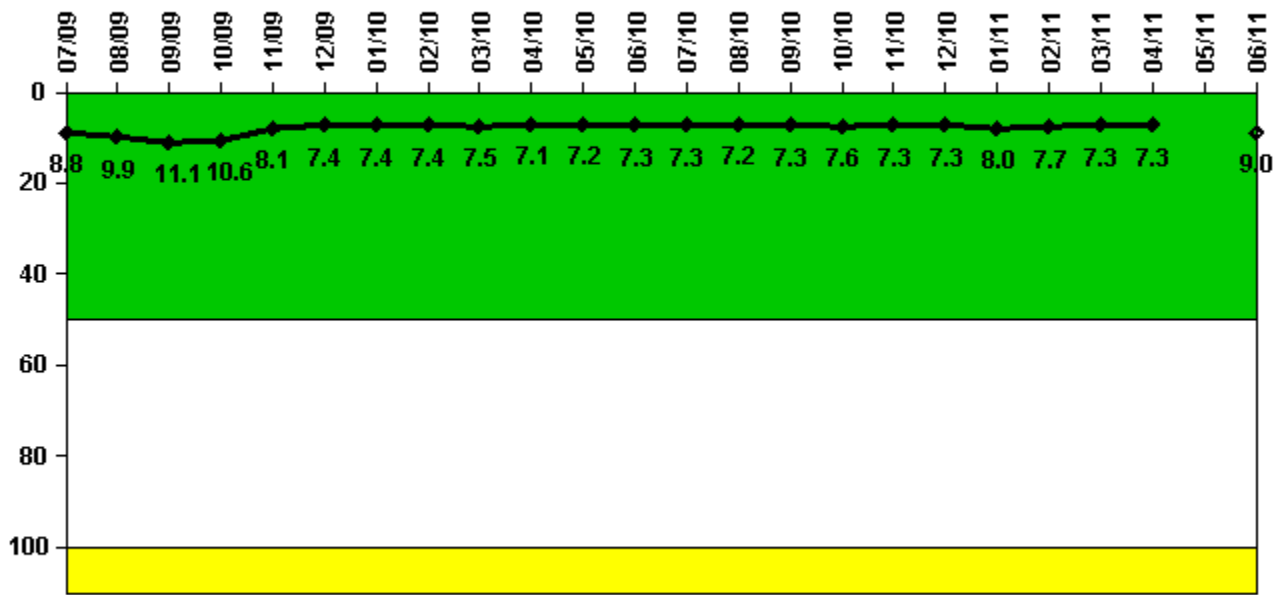
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000015	0.000013	0.000012	0.000012	0.000014	0.000019	0.000017	0.000018	0.000018	0.000018	0.000024	0.000022
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000020	0.000022	0.000030	0.000026	0.000029	0.000026	0.000027	0.000025	0.000201	0.000042	N/A	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0.1	0	N/A	0

Licensee Comments: none

Reactor Coolant System Leakage



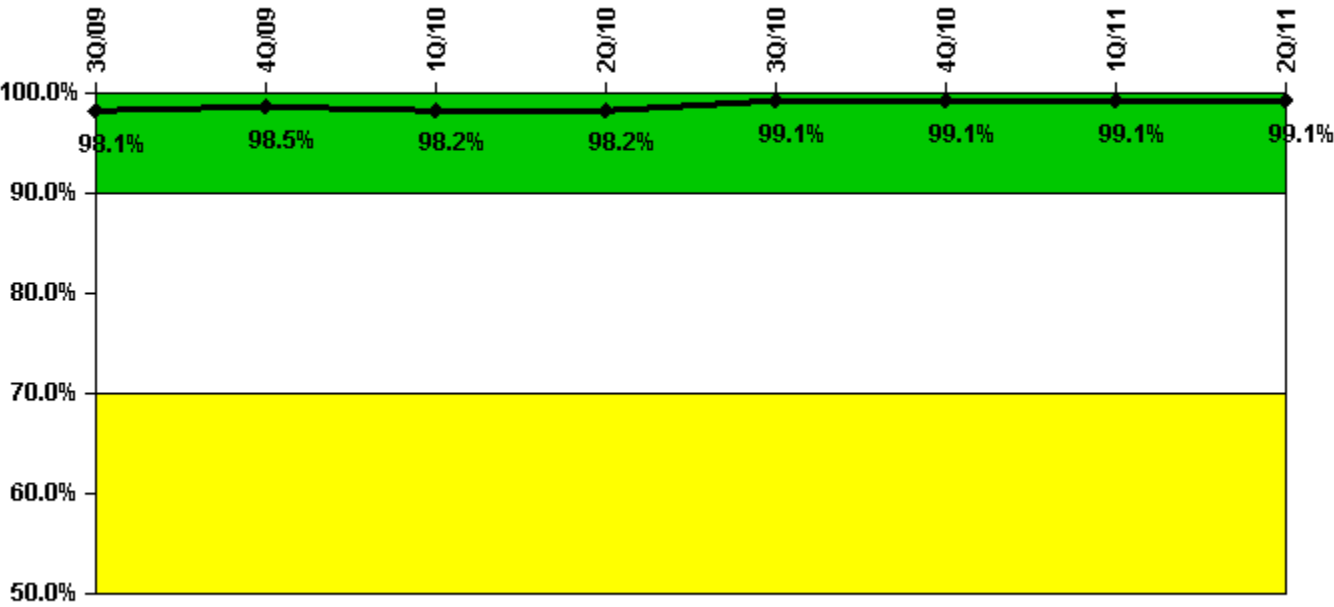
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	2.650	2.980	3.330	3.170	2.420	2.230	2.230	2.230	2.240	2.130	2.150	2.190
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.8	9.9	11.1	10.6	8.1	7.4	7.4	7.4	7.5	7.1	7.2	7.3
Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	2.200	2.150	2.200	2.290	2.190	2.190	2.410	2.300	2.200	2.200	N/A	2.700
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.2	7.3	7.6	7.3	7.3	8.0	7.7	7.3	7.3	N/A	9.0

Licensee Comments: none

Drill/Exercise Performance



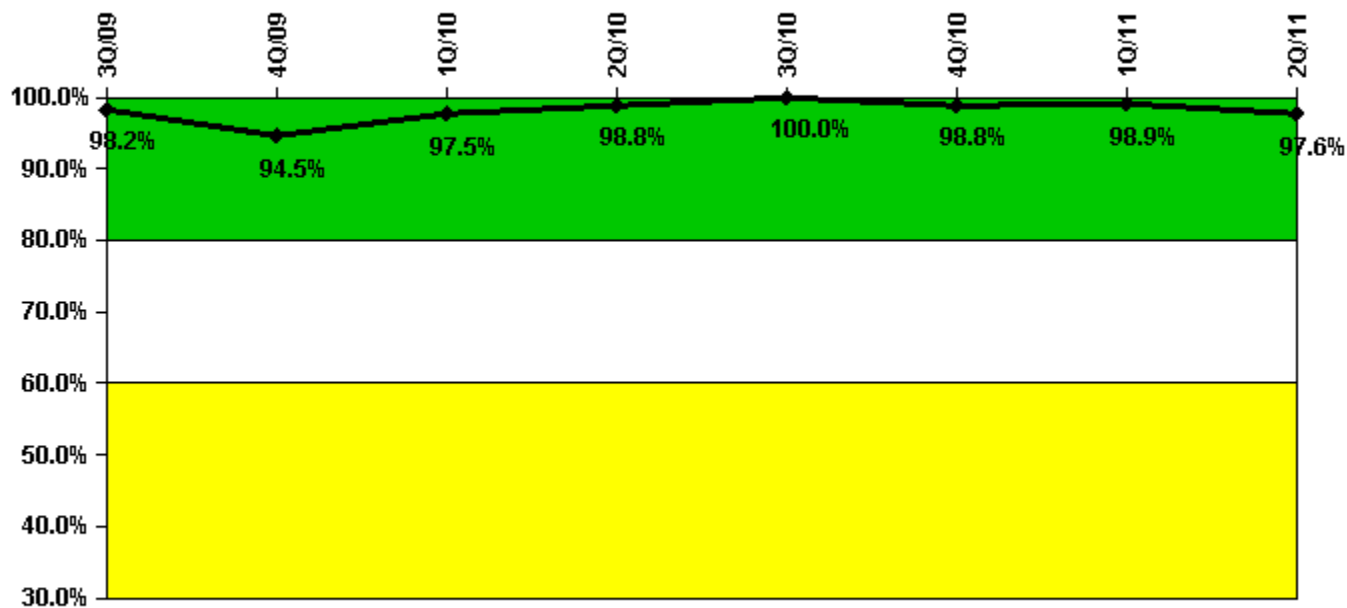
Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

Licensee Comments: none

ERO Drill Participation



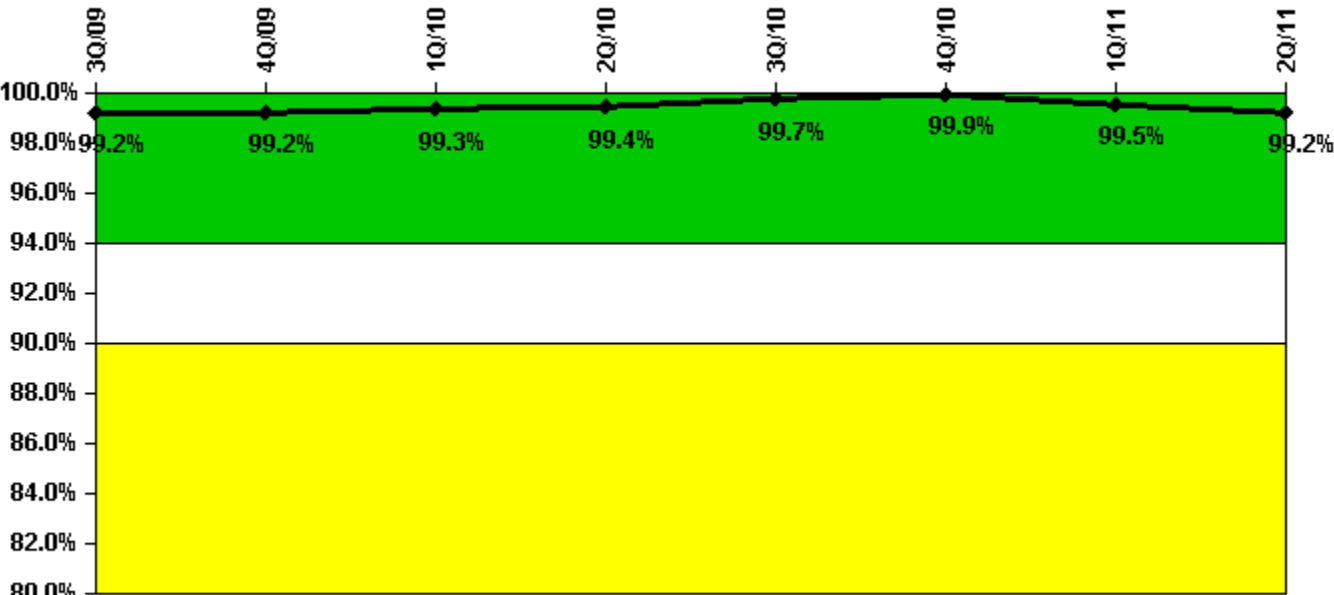
Thresholds: White < 80.0% Yellow < 60.0%

Notes

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

Licensee Comments: none

Alert & Notification System



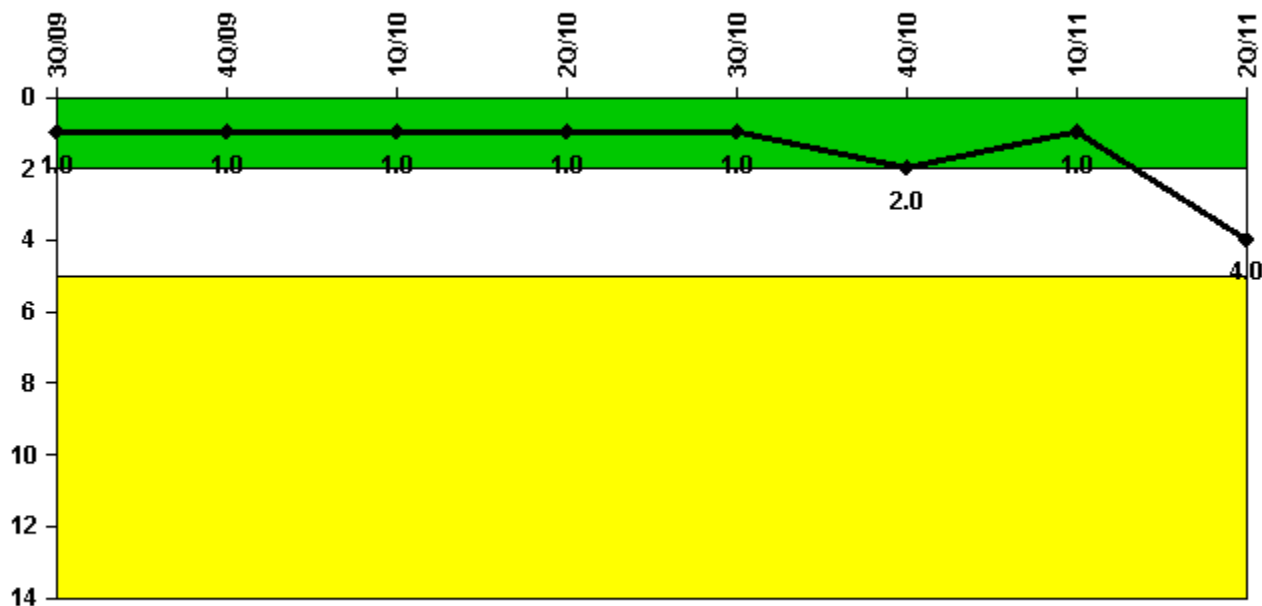
Thresholds: White < 94.0% Yellow < 90.0%

Notes

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

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

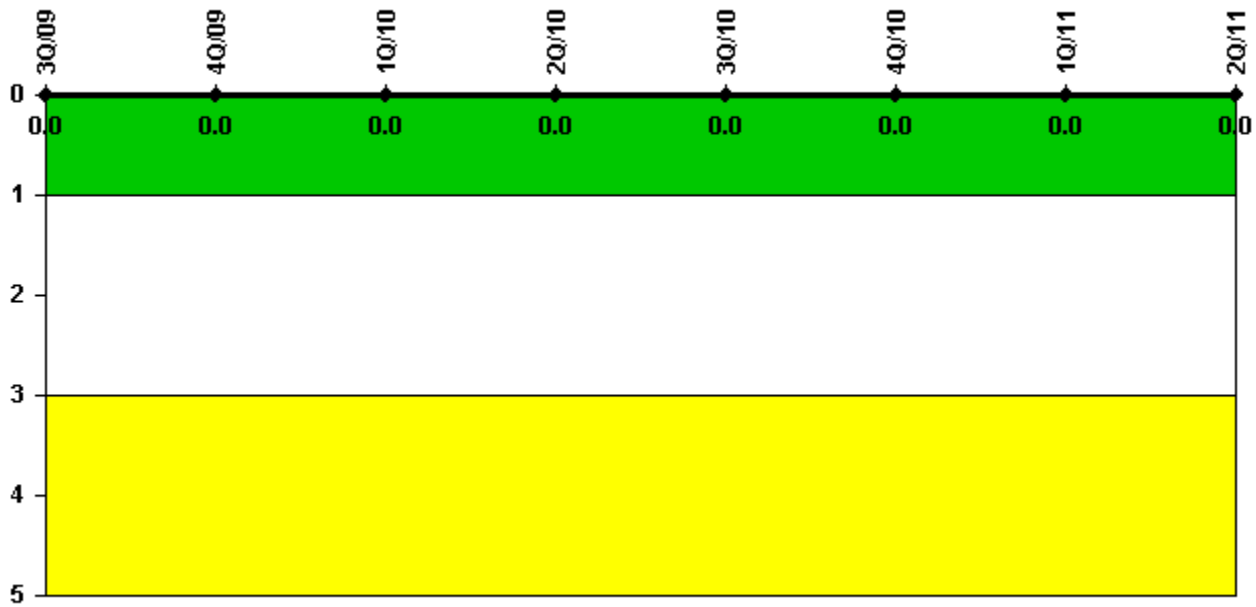
Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	0	1	0	0	1	0	3
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	1	1	1	1	1	2	1	4

Licensee Comments:

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

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

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

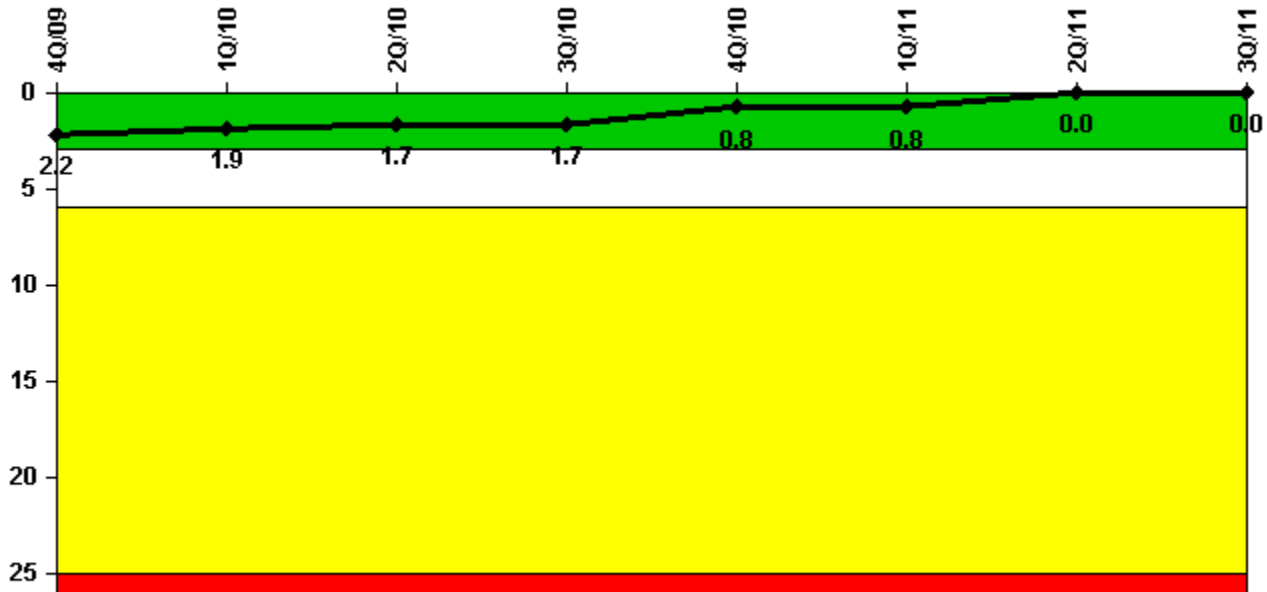
[Security](#) information not publicly available.

Perry 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



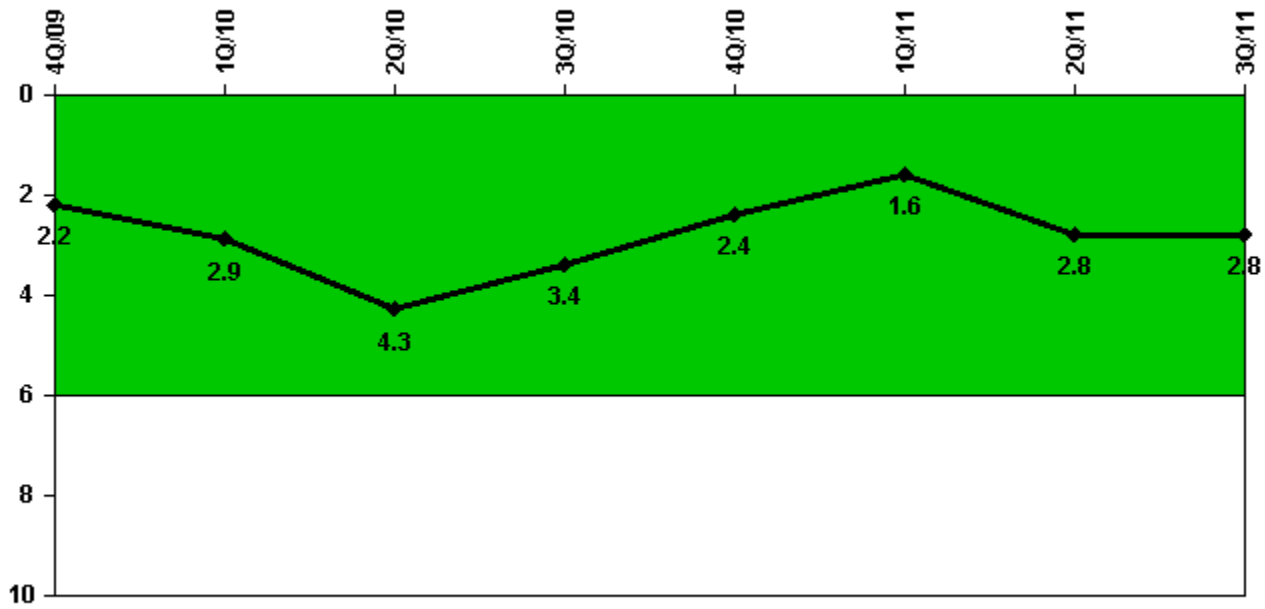
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	1.0	0	0	0	0	0
Critical hours	1801.9	2159.0	2049.3	2208.0	2209.0	2159.0	1022.4	2208.0
Indicator value	2.2	1.9	1.7	1.7	0.8	0.8	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



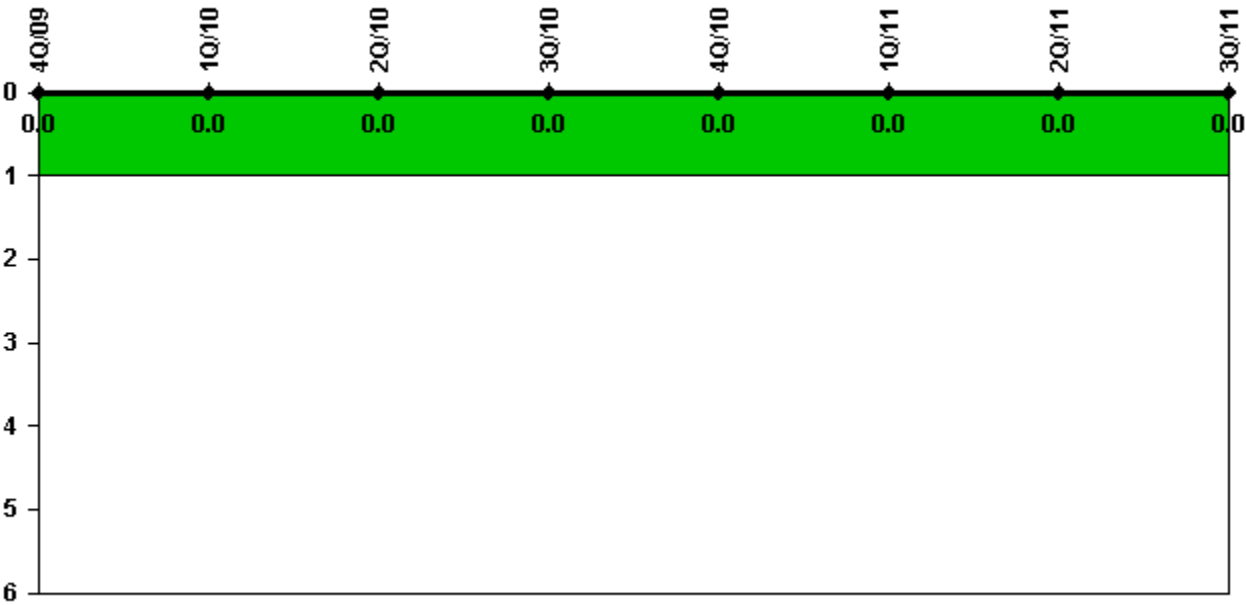
Thresholds: White > 6.0

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	1.0	2.0	0	0	0	3.0	0
Critical hours	1801.9	2159.0	2049.3	2208.0	2209.0	2159.0	1022.4	2208.0
Indicator value	2.2	2.9	4.3	3.4	2.4	1.6	2.8	2.8

Licensee Comments: none

Unplanned Scrams with Complications



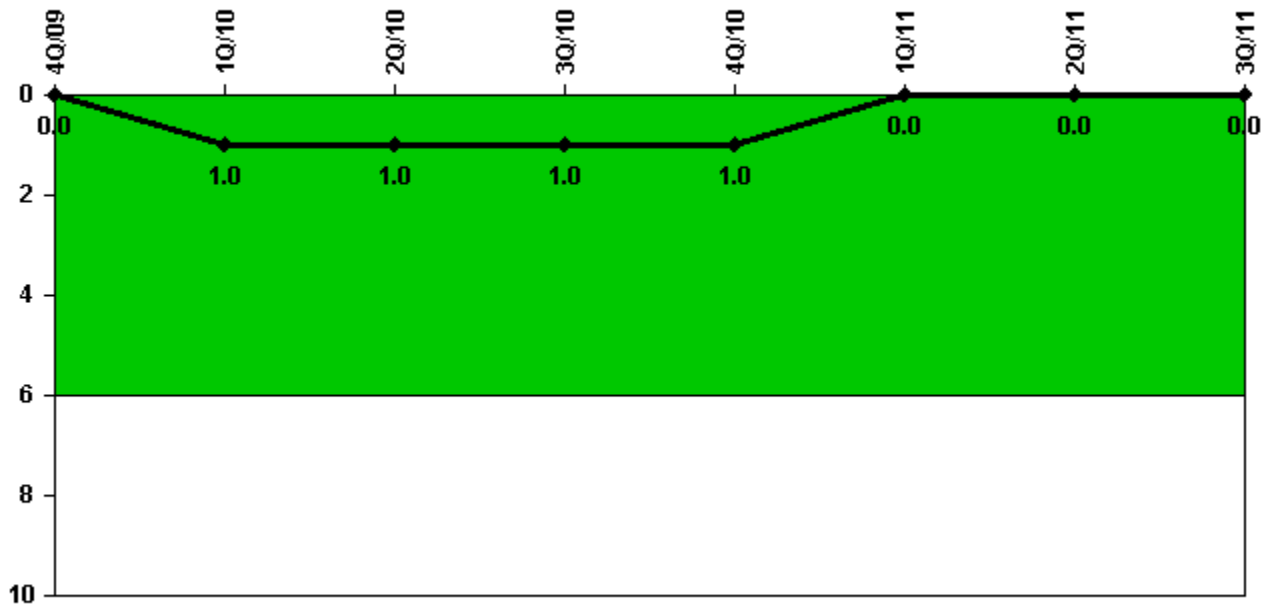
Thresholds: White > 1.0

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 (BWR)



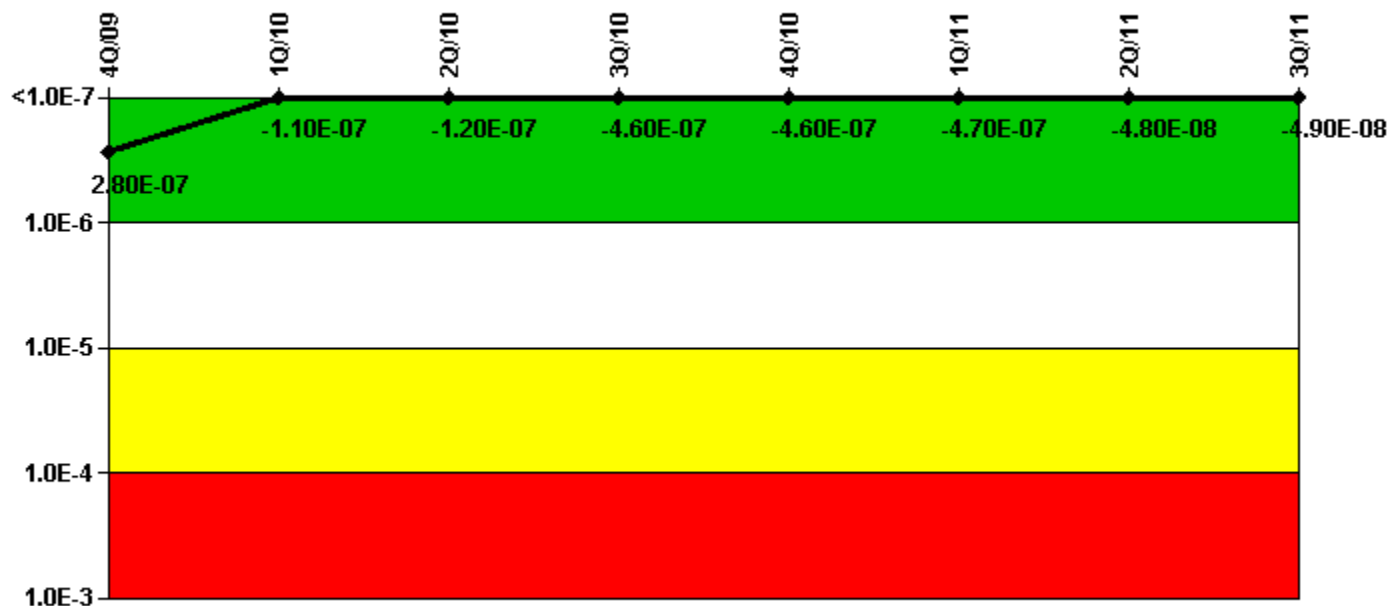
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-2.85E-09	1.06E-07	1.01E-07	7.68E-08	8.43E-08	6.67E-08	1.23E-08	1.07E-08
URI (ΔCDF)	2.84E-07	-2.16E-07	-2.16E-07	-5.41E-07	-5.41E-07	-5.41E-07	-6.01E-08	-6.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.80E-07	-1.10E-07	-1.20E-07	-4.60E-07	-4.60E-07	-4.70E-07	-4.80E-08	-4.90E-08

Licensee Comments:

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

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

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

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

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

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

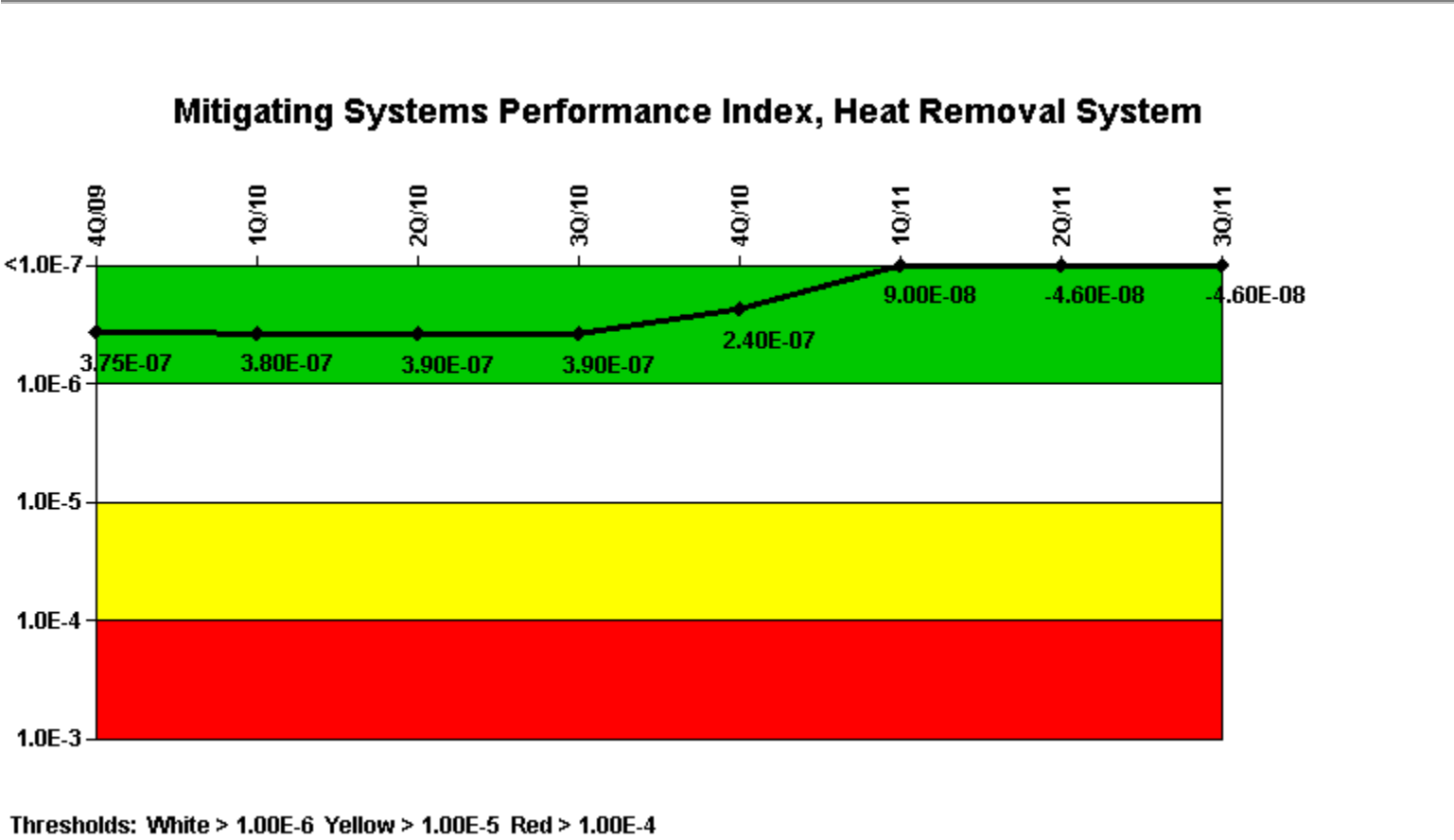
2Q/09: Risk Cap Invoked. Changed PRA Parameter(s).

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

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

Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	4.10E-10	4.10E-10	2.26E-10	3.18E-08	3.20E-08	3.27E-08	6.19E-08	6.19E-08
URI (ΔCDF)	-5.70E-08	-5.69E-08	-5.69E-08	-5.69E-08	-5.57E-08	-5.57E-08	-6.26E-08	-6.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.66E-08	-5.60E-08	-5.70E-08	-2.50E-08	-2.40E-08	-2.30E-08	-6.80E-10	-7.20E-10

Licensee Comments: none

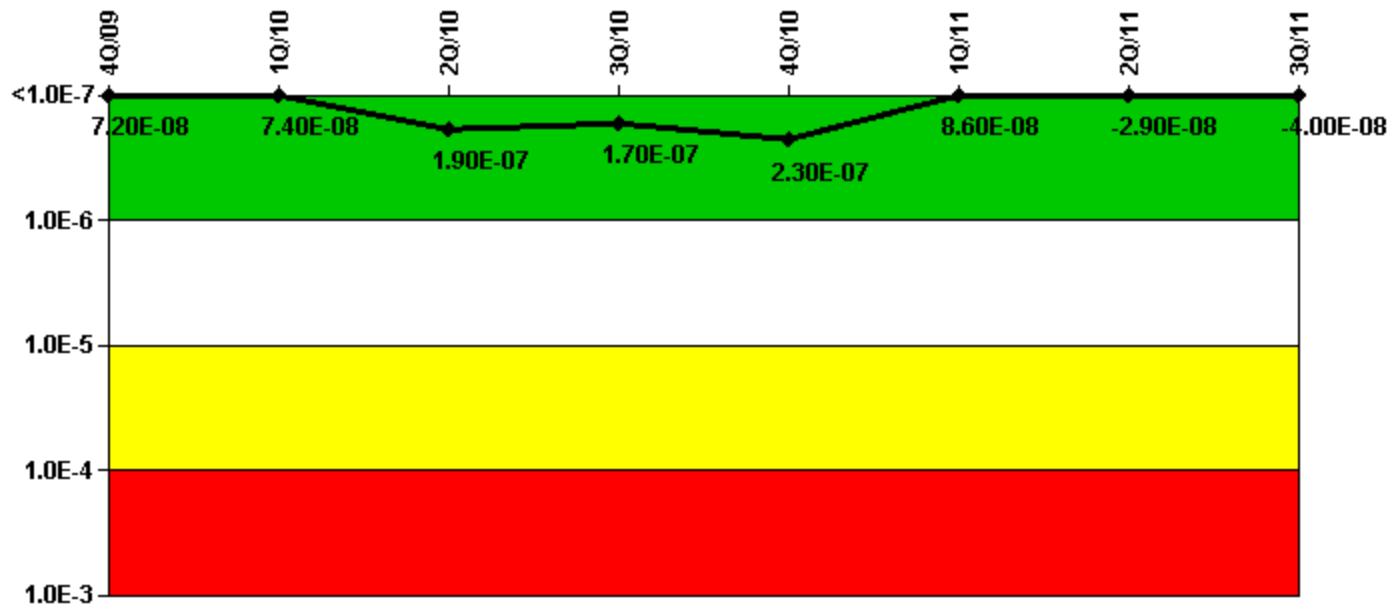


Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



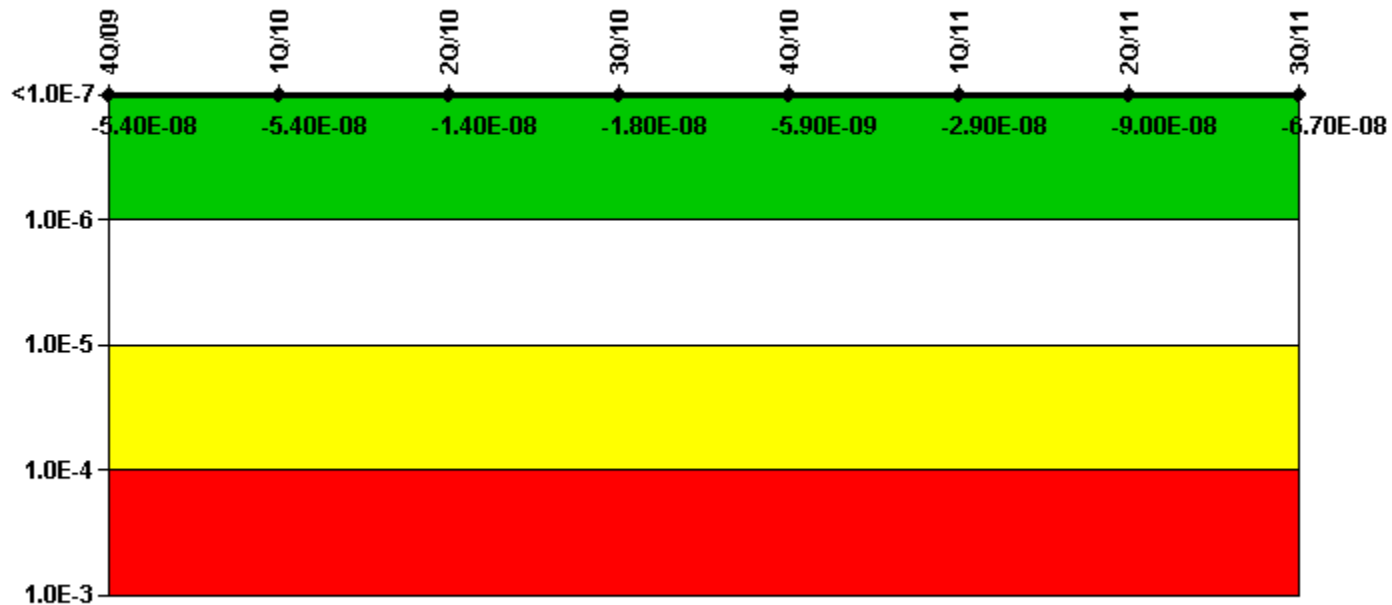
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	1.11E-07	1.13E-07	2.26E-07	2.13E-07	2.67E-07	1.25E-07	5.15E-08	4.01E-08
URI (Δ CDF)	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-8.04E-08	-8.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.20E-08	7.40E-08	1.90E-07	1.70E-07	2.30E-07	8.60E-08	-2.90E-08	-4.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



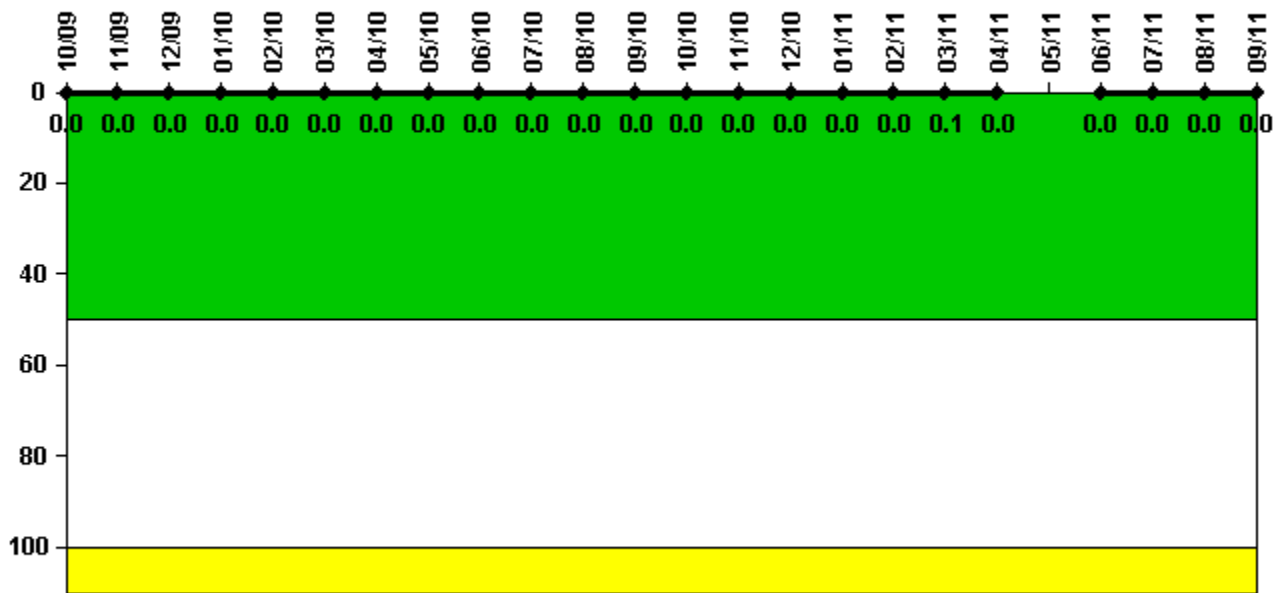
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.50E-08	-1.48E-08	2.54E-08	2.06E-08	3.09E-08	7.45E-09	-4.98E-08	-2.63E-08
URI (Δ CDF)	-3.90E-08	-3.89E-08	-3.89E-08	-3.89E-08	-3.68E-08	-3.68E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.40E-08	-5.40E-08	-1.40E-08	-1.80E-08	-5.90E-09	-2.90E-08	-9.00E-08	-6.70E-08

Licensee Comments: none

Reactor Coolant System Activity



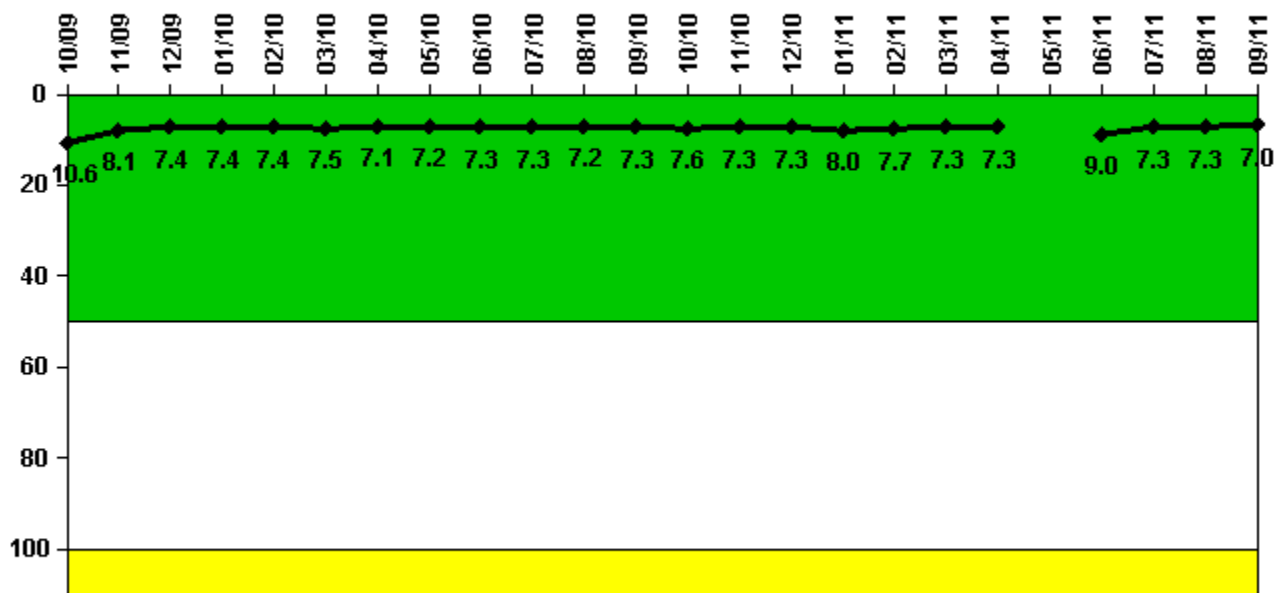
Thresholds: White > 50.0 Yellow > 100.0

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	0.000012	0.000014	0.000019	0.000017	0.000018	0.000018	0.000018	0.000024	0.000022	0.000020	0.000022	0.000030
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	0.000026	0.000029	0.000026	0.000027	0.000025	0.000201	0.000042	N/A	0.000024	0.000024	0.000041	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0.1	0	N/A	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



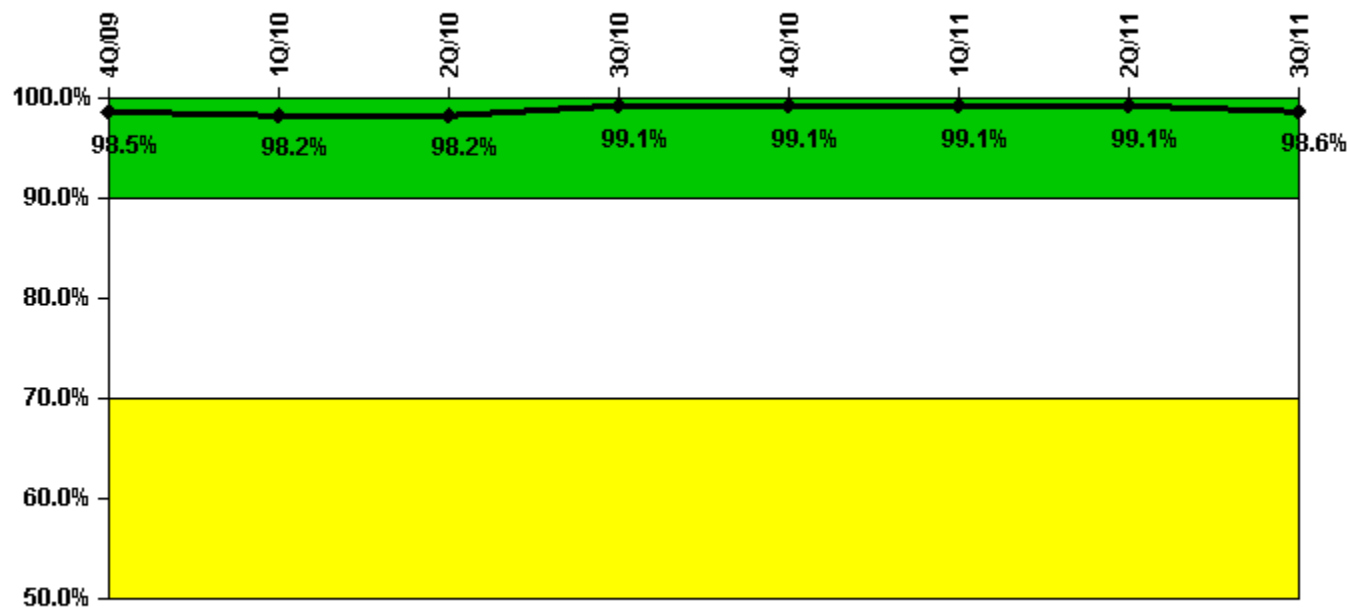
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	3.170	2.420	2.230	2.230	2.230	2.240	2.130	2.150	2.190	2.200	2.150	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	10.6	8.1	7.4	7.4	7.4	7.5	7.1	7.2	7.3	7.3	7.2	7.3
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	2.290	2.190	2.190	2.410	2.300	2.200	2.200	N/A	2.700	2.200	2.200	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.6	7.3	7.3	8.0	7.7	7.3	7.3	N/A	9.0	7.3	7.3	7.0

Licensee Comments: none

Drill/Exercise Performance



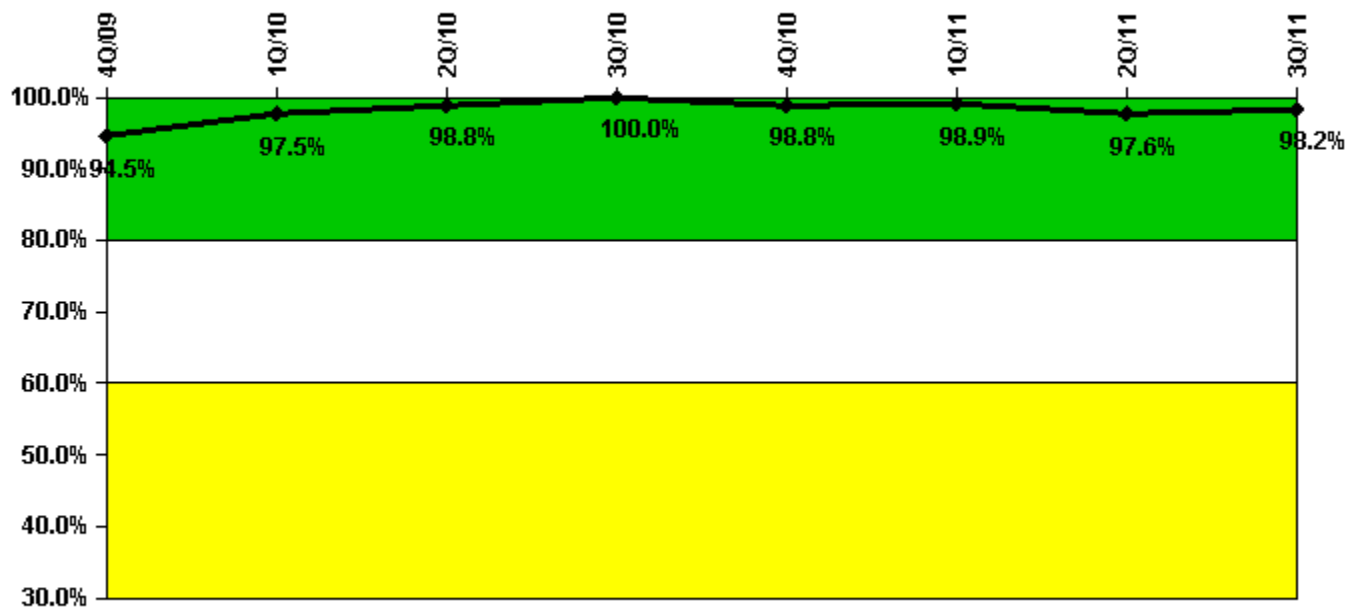
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	30.0	37.0	20.0	48.0	21.0	31.0	0	21.0
Total opportunities	30.0	38.0	20.0	49.0	21.0	31.0	0	22.0
Indicator value	98.5%	98.2%	98.2%	99.1%	99.1%	99.1%	99.1%	98.6%

Licensee Comments: none

ERO Drill Participation



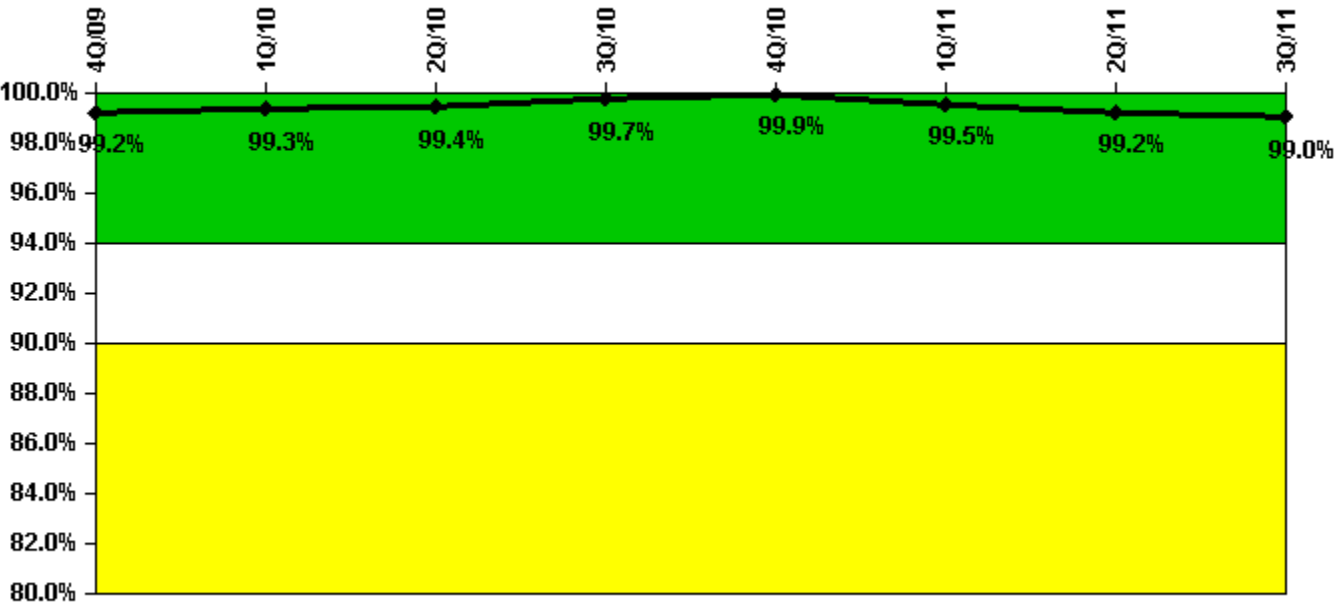
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	156.0	158.0	162.0	166.0	162.0	173.0	166.0	163.0
Total Key personnel	165.0	162.0	164.0	166.0	164.0	175.0	170.0	166.0
Indicator value	94.5%	97.5%	98.8%	100.0%	98.8%	98.9%	97.6%	98.2%

Licensee Comments: none

Alert & Notification System



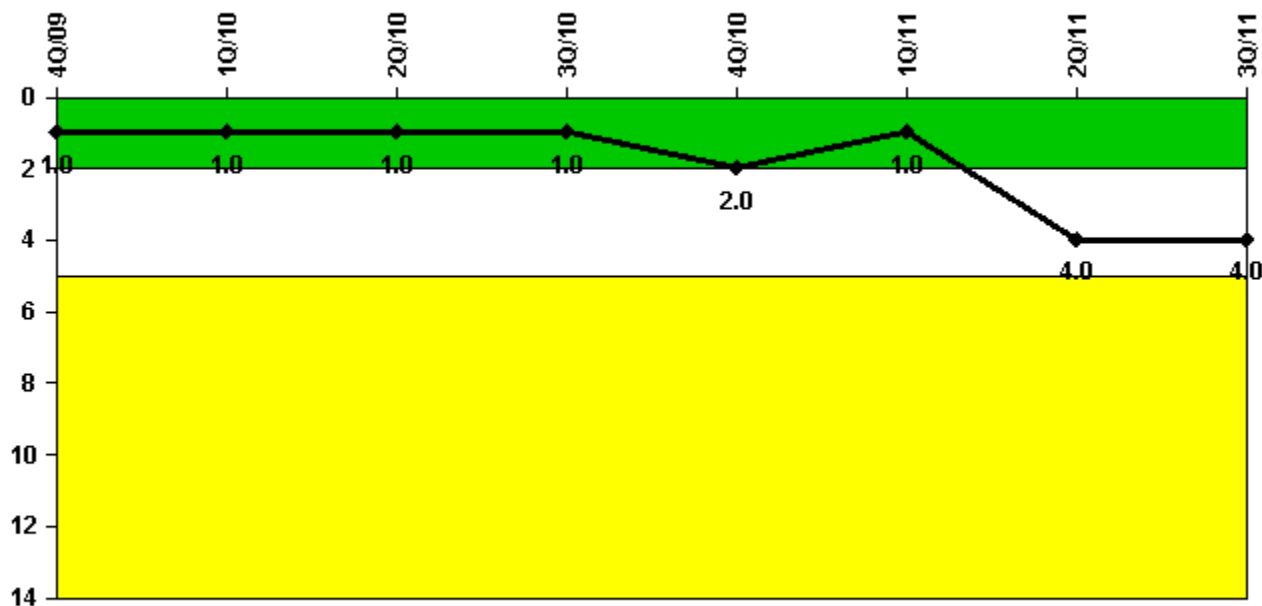
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	451	532	530	532	532	523	525	527
Total sirens-tests	456	532	532	532	532	532	532	532
Indicator value	99.2%	99.3%	99.4%	99.7%	99.9%	99.5%	99.2%	99.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

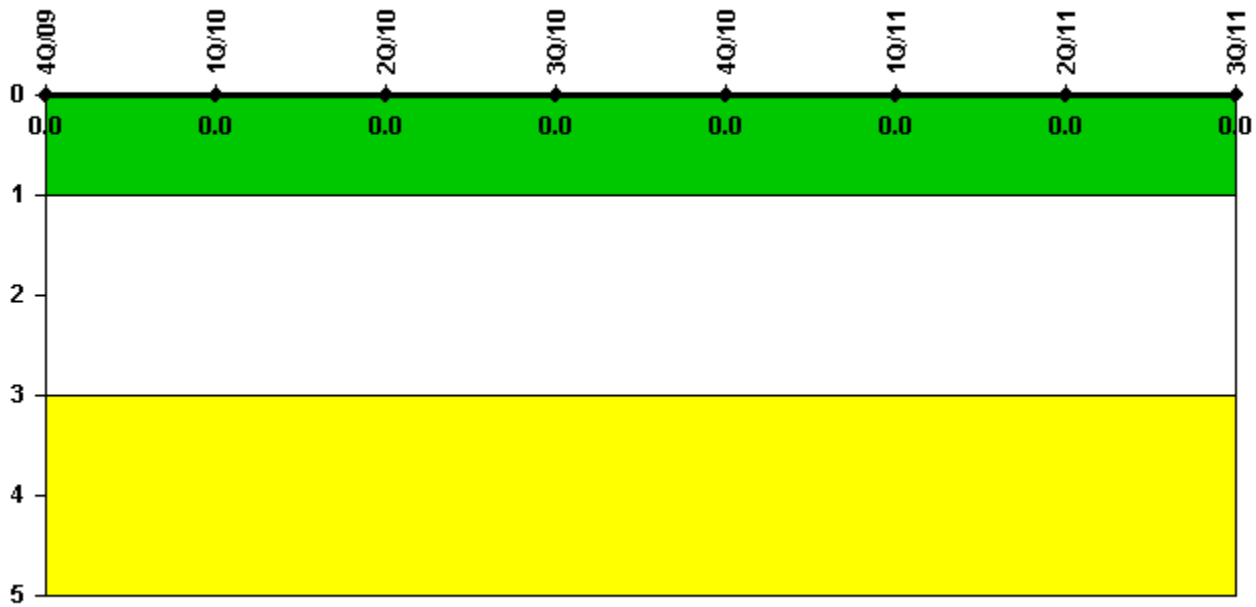
Notes

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	1	0	0	1	0	3	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	2	1	4	4

Licensee Comments:

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

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

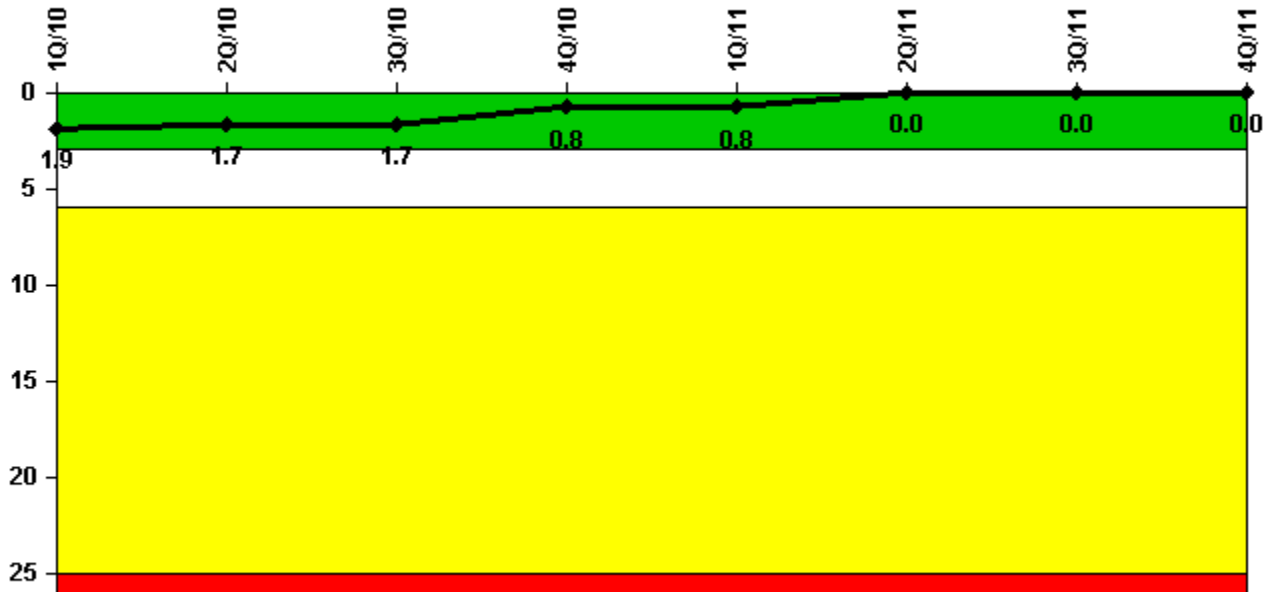
[Security](#) information not publicly available.

Perry 1

4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



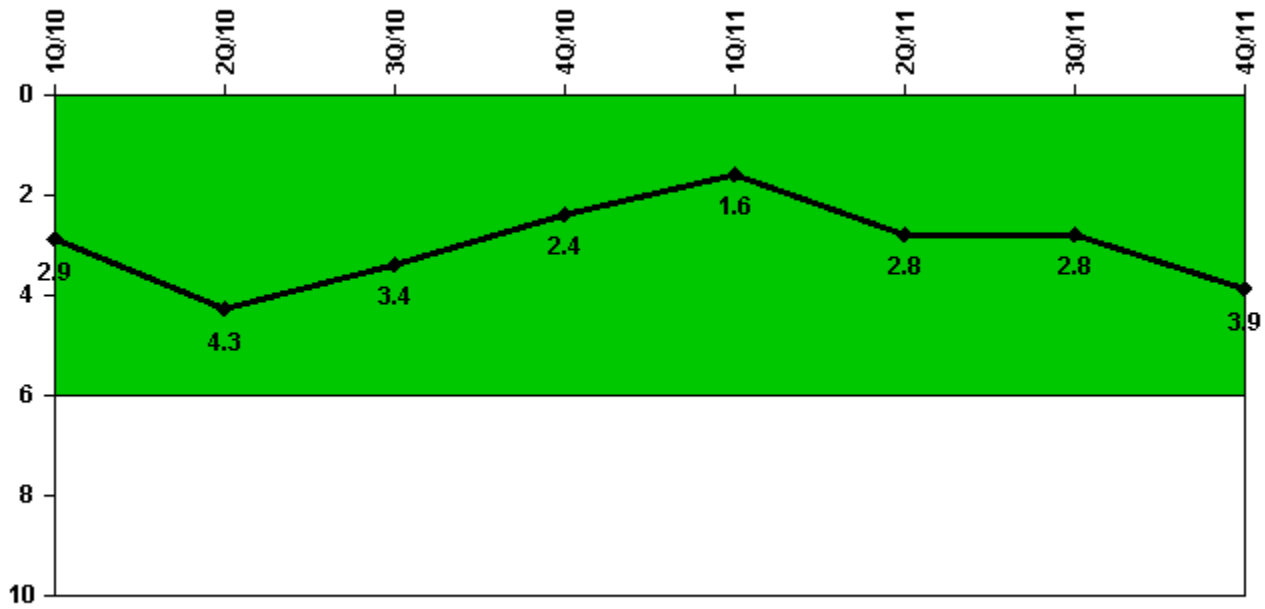
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0
Critical hours	2159.0	2049.3	2208.0	2209.0	2159.0	1022.4	2208.0	1831.6
Indicator value	1.9	1.7	1.7	0.8	0.8	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



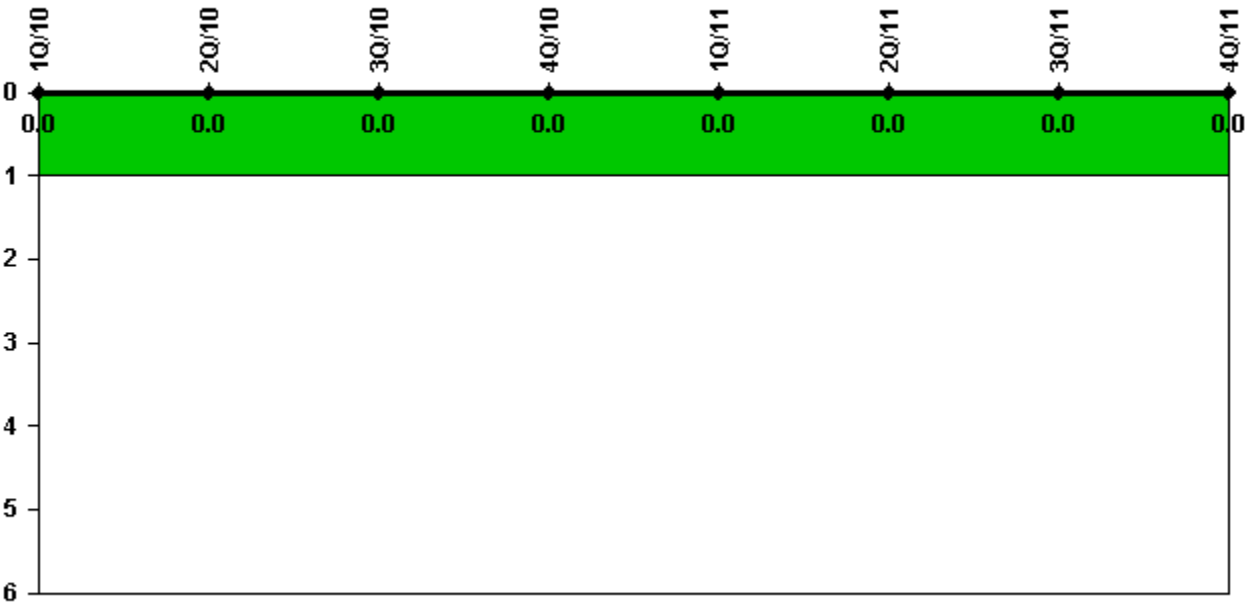
Thresholds: White > 6.0

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	1.0	2.0	0	0	0	3.0	0	1.0
Critical hours	2159.0	2049.3	2208.0	2209.0	2159.0	1022.4	2208.0	1831.6
Indicator value	2.9	4.3	3.4	2.4	1.6	2.8	2.8	3.9

Licensee Comments: none

Unplanned Scrams with Complications



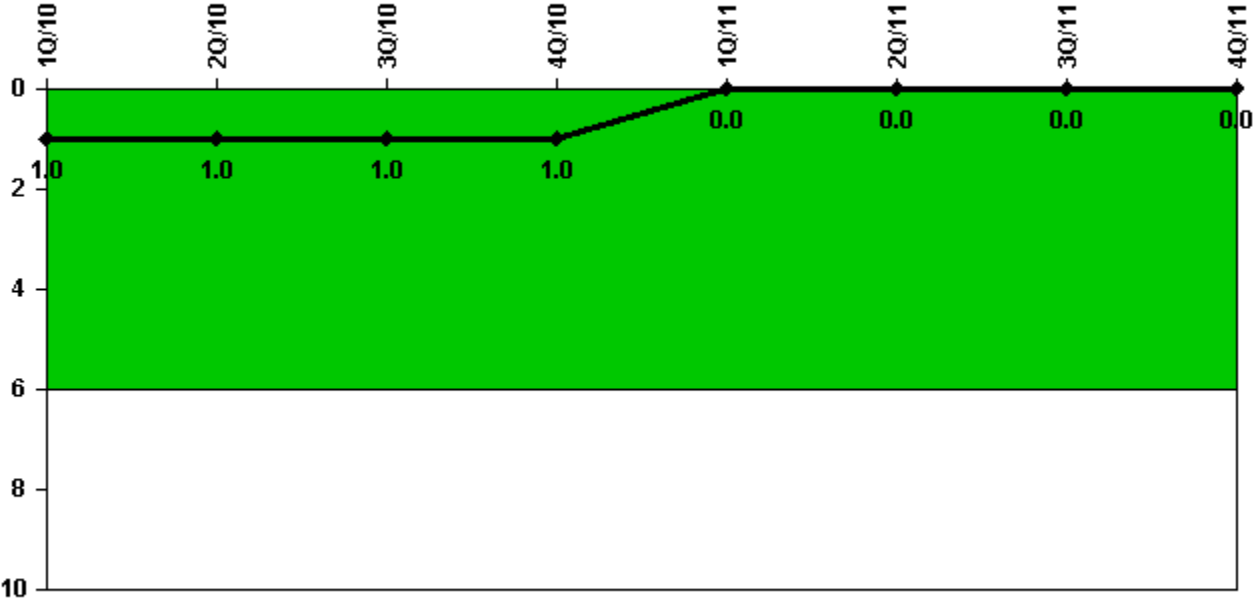
Thresholds: White > 1.0

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 (BWR)



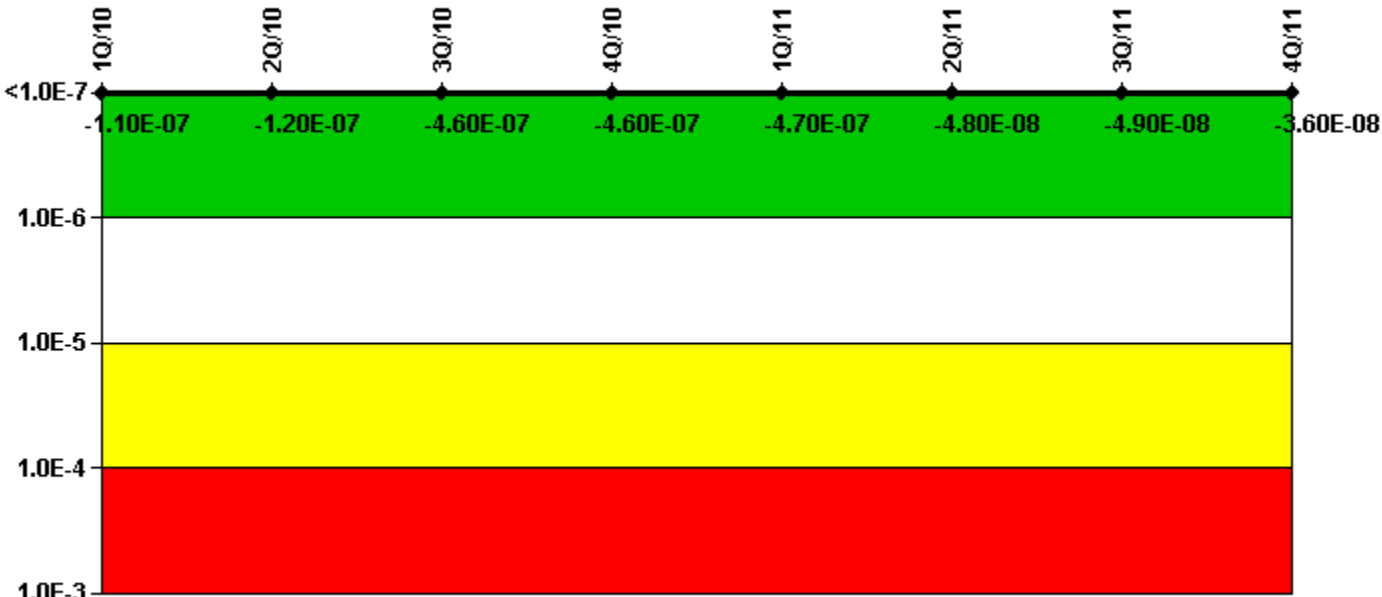
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
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

Mitigating Systems Performance Index, Emergency AC Power System



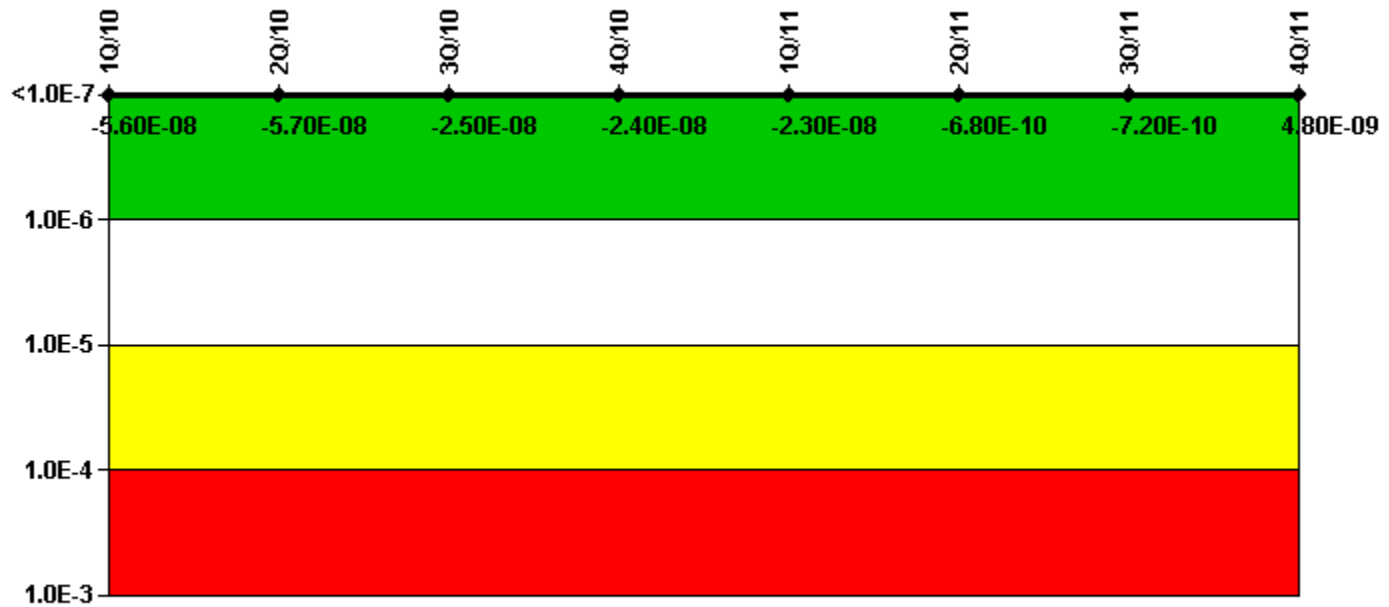
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	1.06E-07	1.01E-07	7.68E-08	8.43E-08	6.67E-08	1.23E-08	1.07E-08	2.43E-08
URI (ΔCDF)	-2.16E-07	-2.16E-07	-5.41E-07	-5.41E-07	-5.41E-07	-6.01E-08	-6.01E-08	-6.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.20E-07	-4.60E-07	-4.60E-07	-4.70E-07	-4.80E-08	-4.90E-08	-3.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



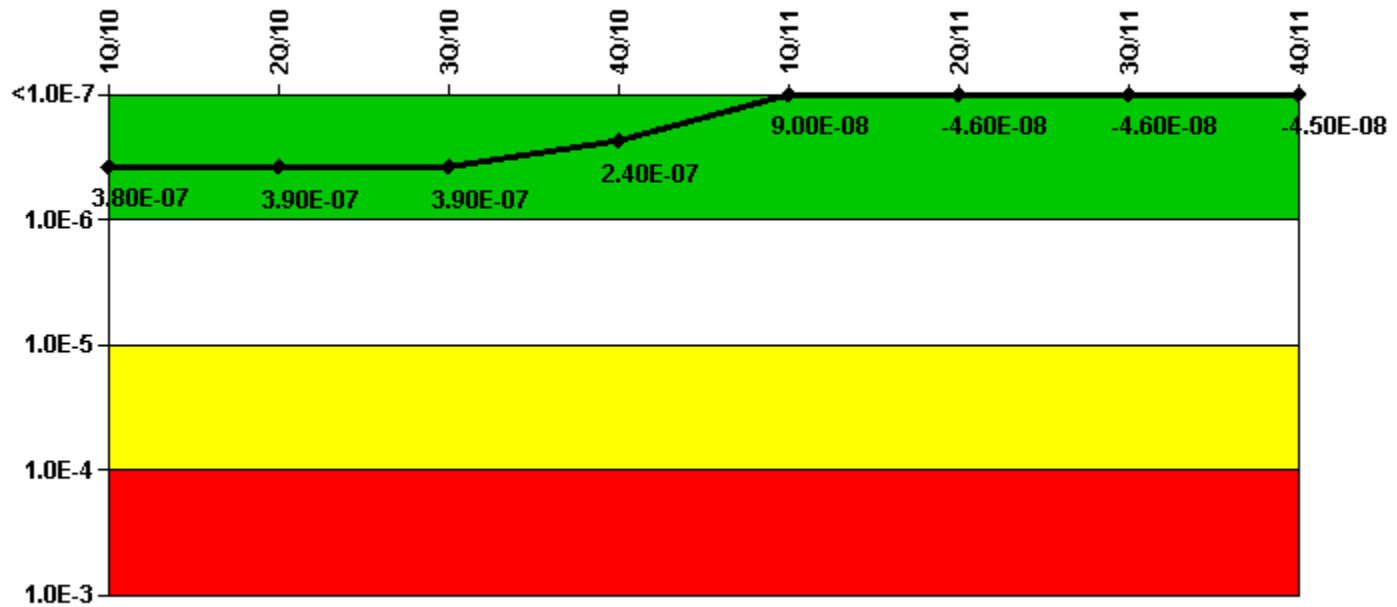
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	4.10E-10	2.26E-10	3.18E-08	3.20E-08	3.27E-08	6.19E-08	6.19E-08	6.74E-08
URI (ΔCDF)	-5.69E-08	-5.69E-08	-5.69E-08	-5.57E-08	-5.57E-08	-6.26E-08	-6.26E-08	-6.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.60E-08	-5.70E-08	-2.50E-08	-2.40E-08	-2.30E-08	-6.80E-10	-7.20E-10	4.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



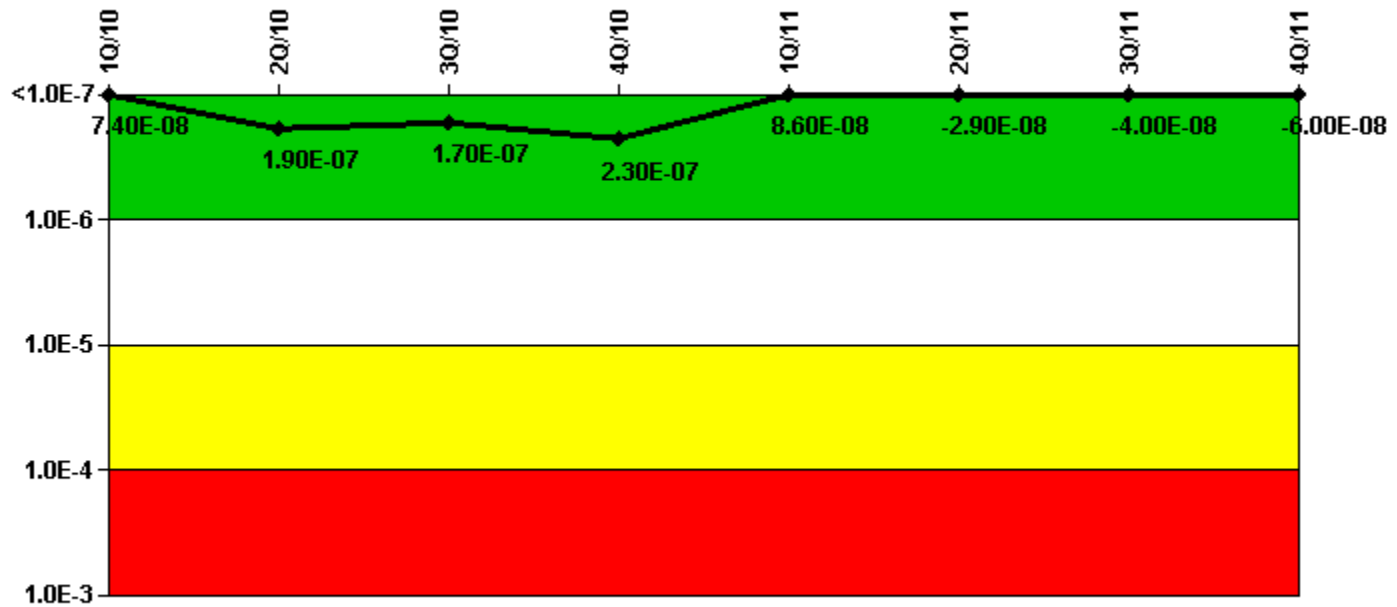
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	$5.48E-08$	$6.93E-08$	$6.61E-08$	$3.11E-08$	$-1.53E-09$	$-5.20E-09$	$-5.20E-09$	$-5.03E-09$
URI (Δ CDF)	$3.23E-07$	$3.23E-07$	$3.23E-07$	$2.11E-07$	$9.18E-08$	$-4.03E-08$	$-4.03E-08$	$-4.03E-08$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$3.80E-07$	$3.90E-07$	$3.90E-07$	$2.40E-07$	$9.00E-08$	$-4.60E-08$	$-4.60E-08$	$-4.50E-08$

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



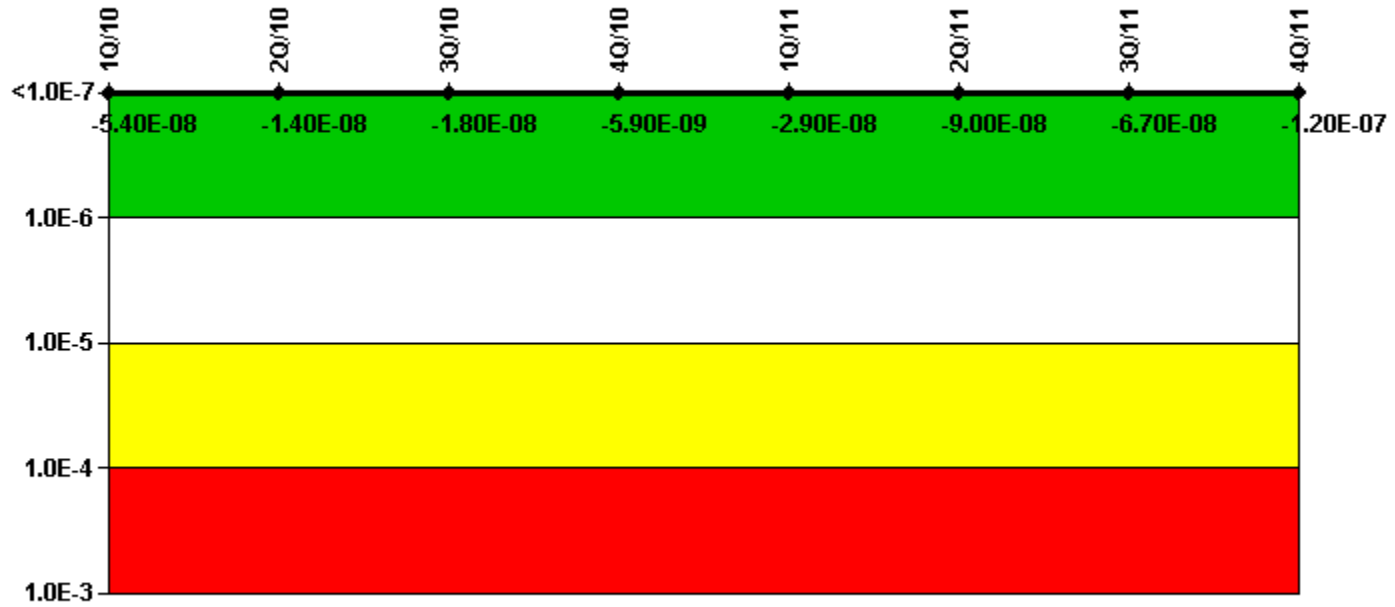
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	1.13E-07	2.26E-07	2.13E-07	2.67E-07	1.25E-07	5.15E-08	4.01E-08	2.02E-08
URI (ΔCDF)	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-8.04E-08	-8.04E-08	-8.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.40E-08	1.90E-07	1.70E-07	2.30E-07	8.60E-08	-2.90E-08	-4.00E-08	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



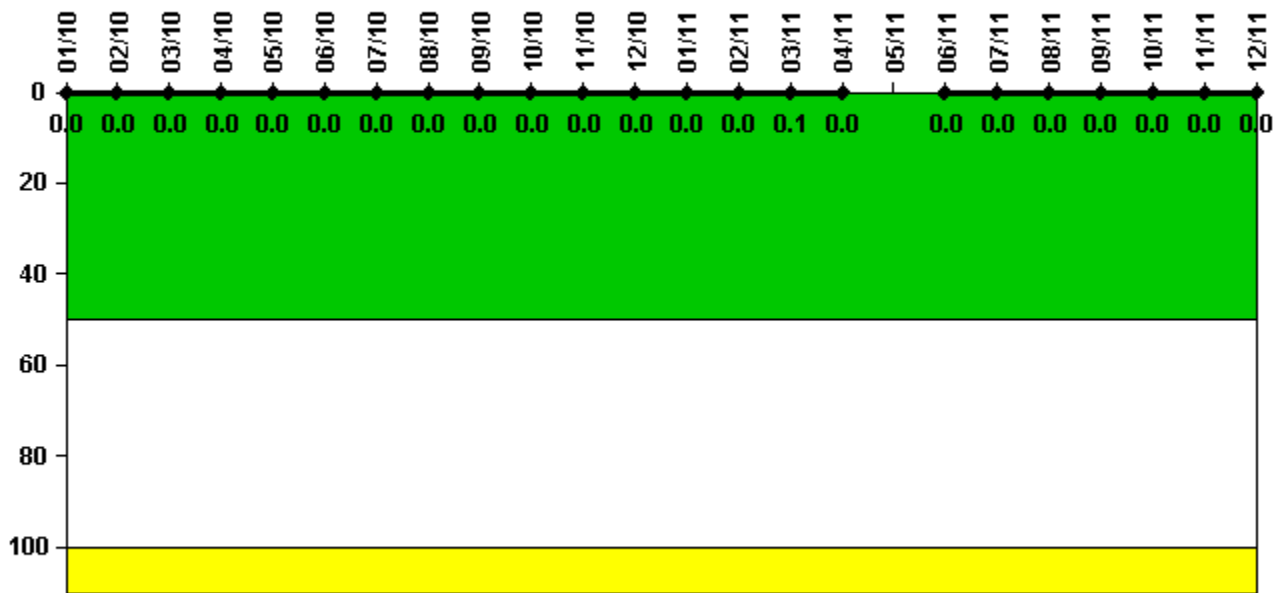
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-1.48E-08	2.54E-08	2.06E-08	3.09E-08	7.45E-09	-4.98E-08	-2.63E-08	-7.59E-08
URI (ΔCDF)	-3.89E-08	-3.89E-08	-3.89E-08	-3.68E-08	-3.68E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.40E-08	-1.40E-08	-1.80E-08	-5.90E-09	-2.90E-08	-9.00E-08	-6.70E-08	-1.20E-07

Licensee Comments: none

Reactor Coolant System Activity



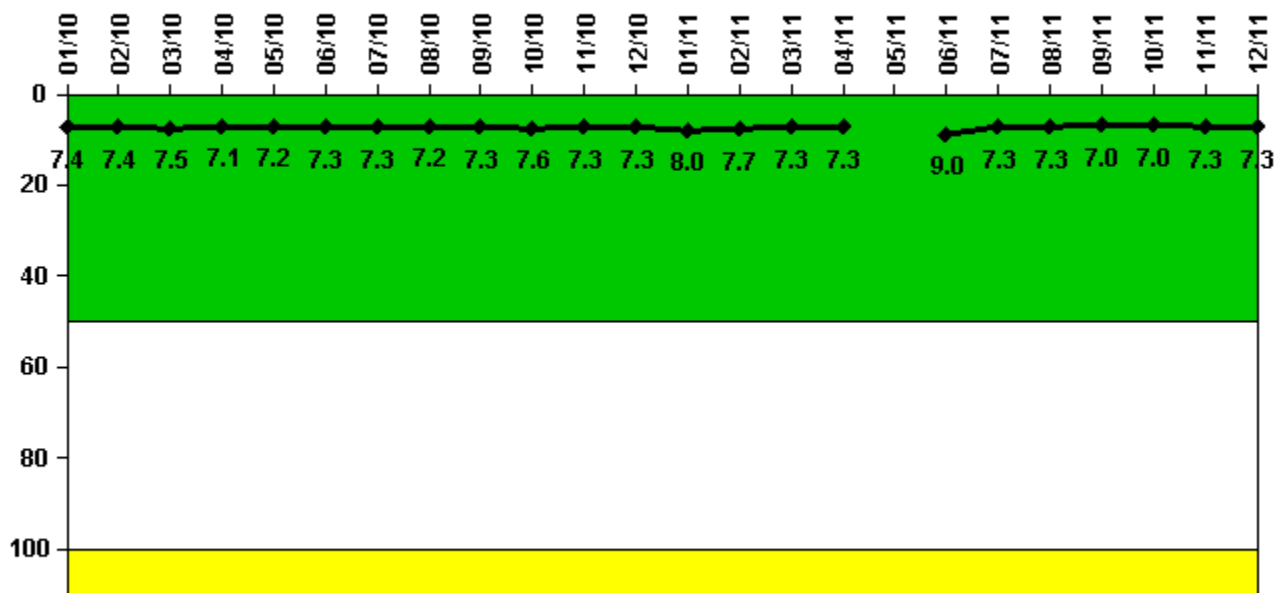
Thresholds: White > 50.0 Yellow > 100.0

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	0.000017	0.000018	0.000018	0.000018	0.000024	0.000022	0.000020	0.000022	0.000030	0.000026	0.000029	0.000026
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	0.000027	0.000025	0.000201	0.000042	N/A	0.000024	0.000024	0.000041	0.000023	0.000020	0.000022	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0.1	0	N/A	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



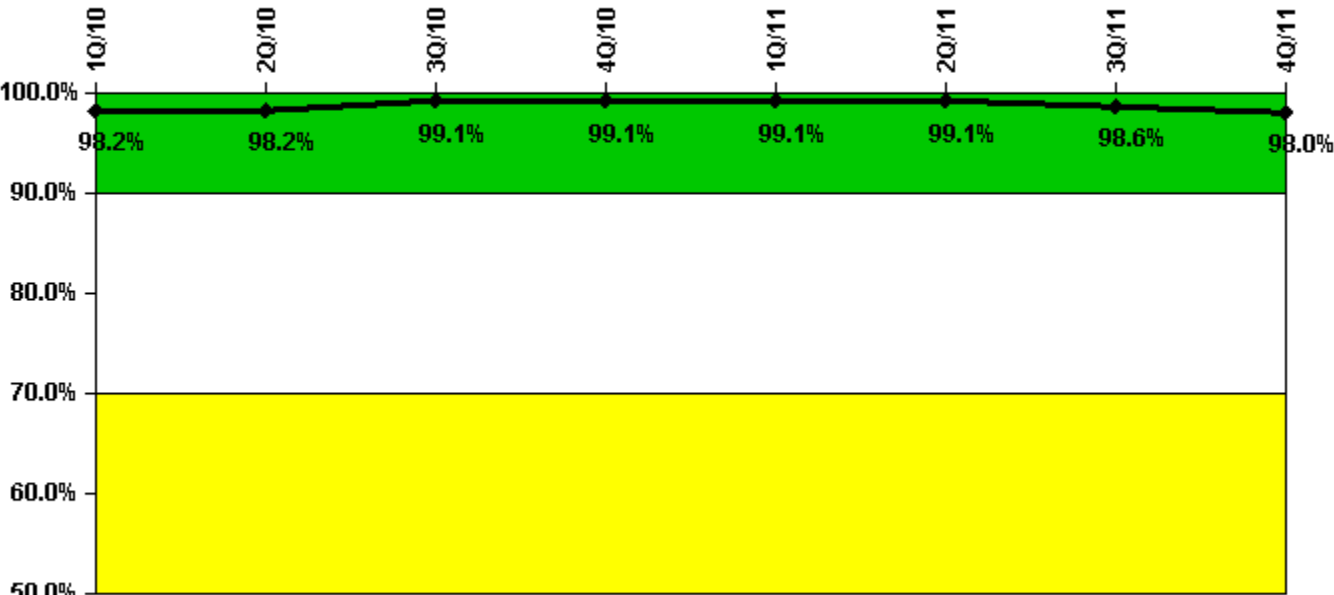
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	2.230	2.230	2.240	2.130	2.150	2.190	2.200	2.150	2.200	2.290	2.190	2.190
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.4	7.4	7.5	7.1	7.2	7.3	7.3	7.2	7.3	7.6	7.3	7.3
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	2.410	2.300	2.200	2.200	N/A	2.700	2.200	2.200	2.100	2.090	2.180	2.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.0	7.7	7.3	7.3	N/A	9.0	7.3	7.3	7.0	7.0	7.3	7.3

Licensee Comments: none

Drill/Exercise Performance



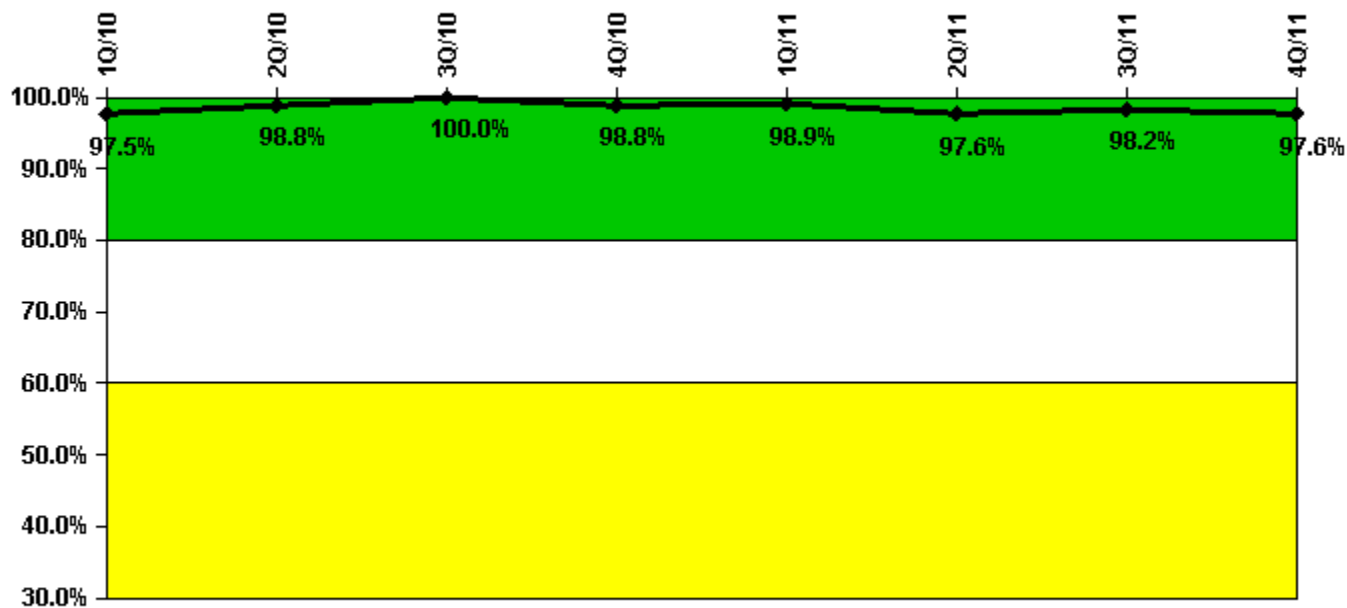
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	37.0	20.0	48.0	21.0	31.0	0	21.0	21.0
Total opportunities	38.0	20.0	49.0	21.0	31.0	0	22.0	22.0
Indicator value	98.2%	98.2%	99.1%	99.1%	99.1%	99.1%	98.6%	98.0%

Licensee Comments: none

ERO Drill Participation



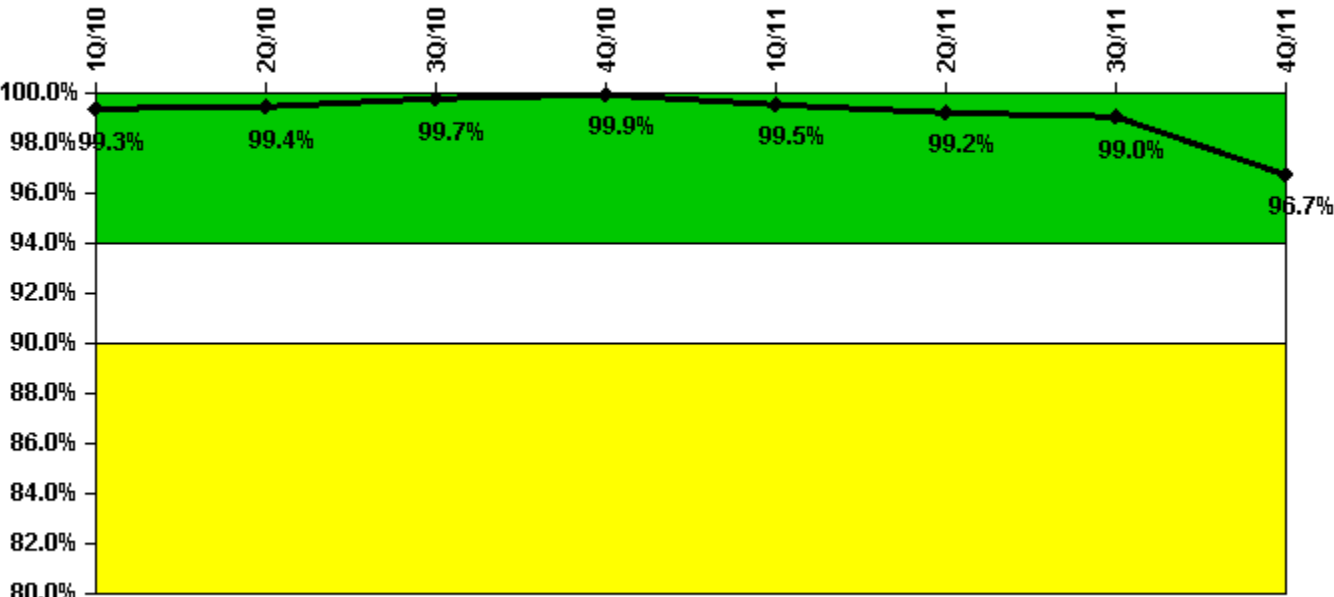
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	158.0	162.0	166.0	162.0	173.0	166.0	163.0	162.0
Total Key personnel	162.0	164.0	166.0	164.0	175.0	170.0	166.0	166.0
Indicator value	97.5%	98.8%	100.0%	98.8%	98.9%	97.6%	98.2%	97.6%

Licensee Comments: none

Alert & Notification System



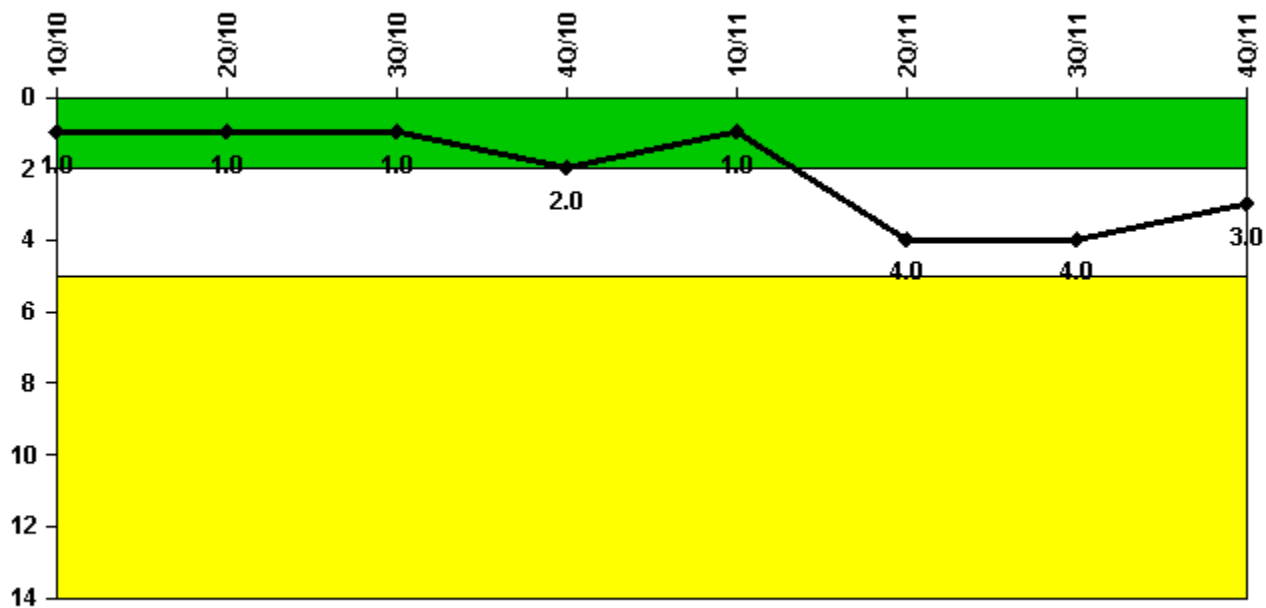
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	532	530	532	532	523	525	527	483
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.3%	99.4%	99.7%	99.9%	99.5%	99.2%	99.0%	96.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



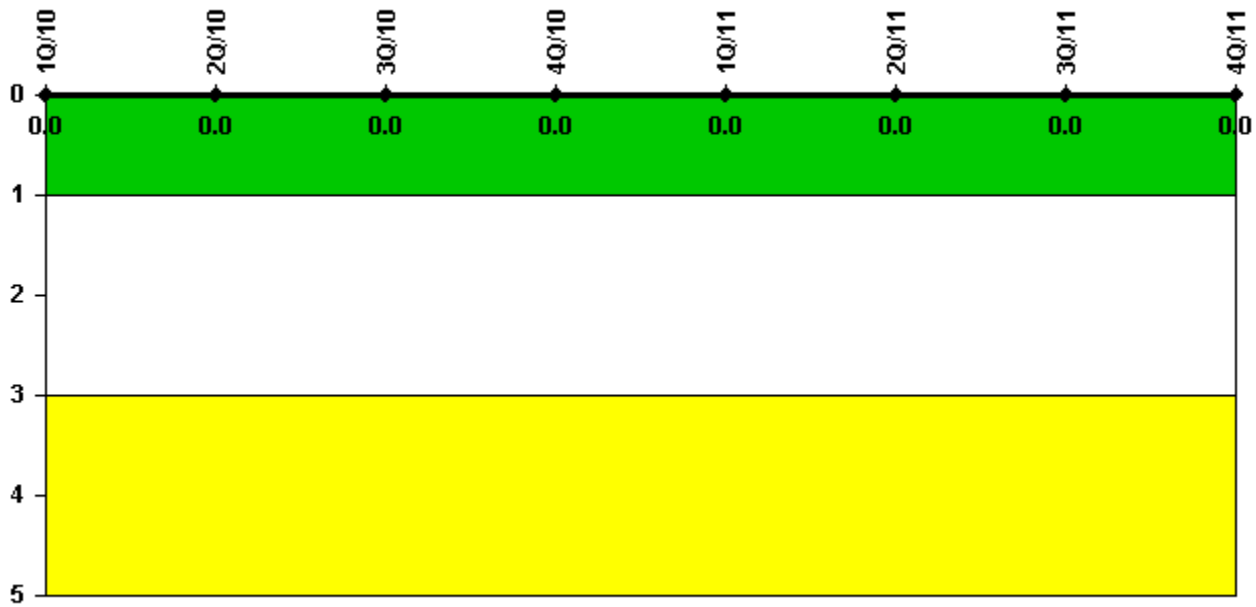
Thresholds: White > 2.0 Yellow > 5.0

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	1	0	0	1	0	3	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	2	1	4	4	3

Licensee Comments: none

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

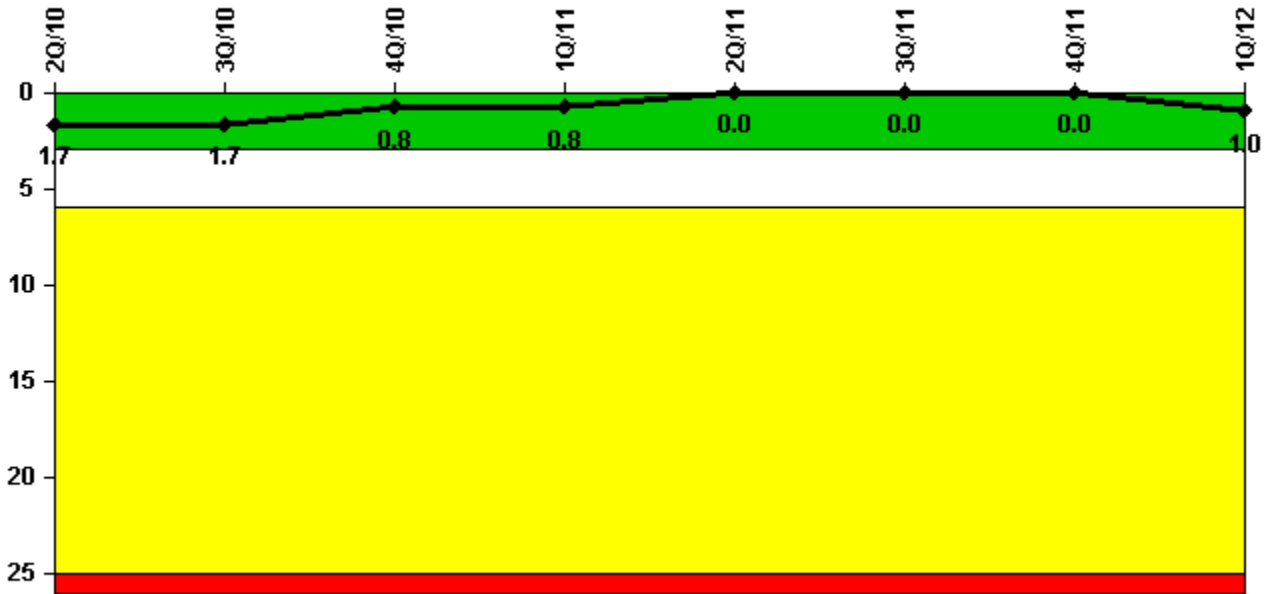
[Security](#) information not publicly available.

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1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



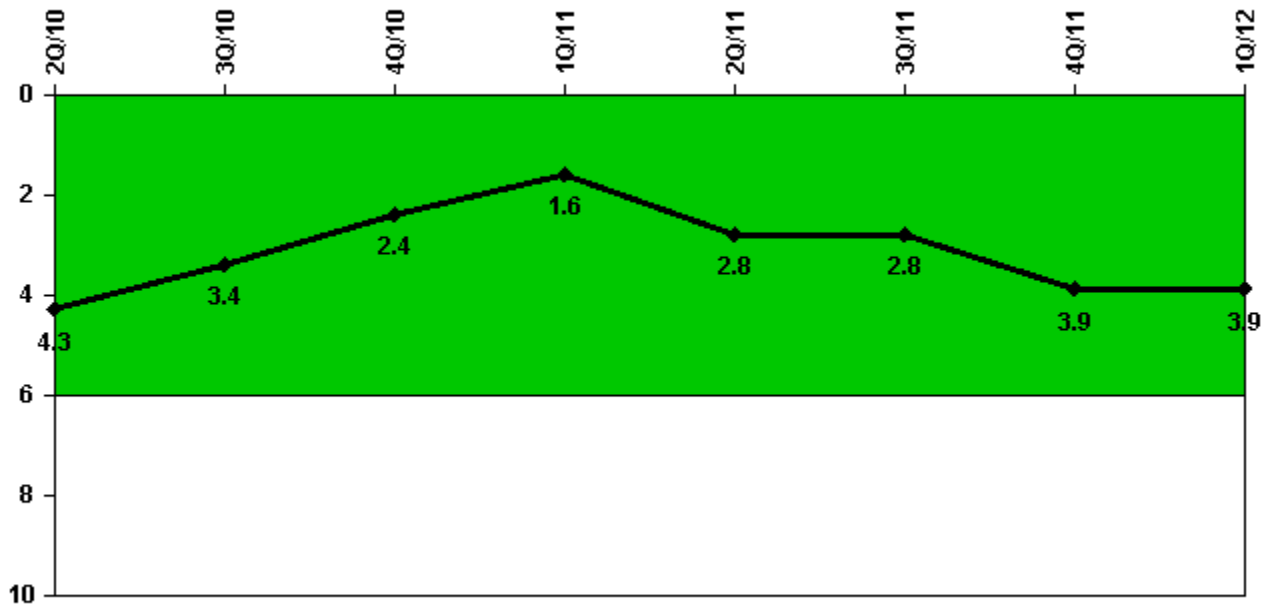
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	1.0
Critical hours	2049.3	2208.0	2209.0	2159.0	1022.4	2208.0	1831.6	2131.0
Indicator value	1.7	1.7	0.8	0.8	0	0	0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



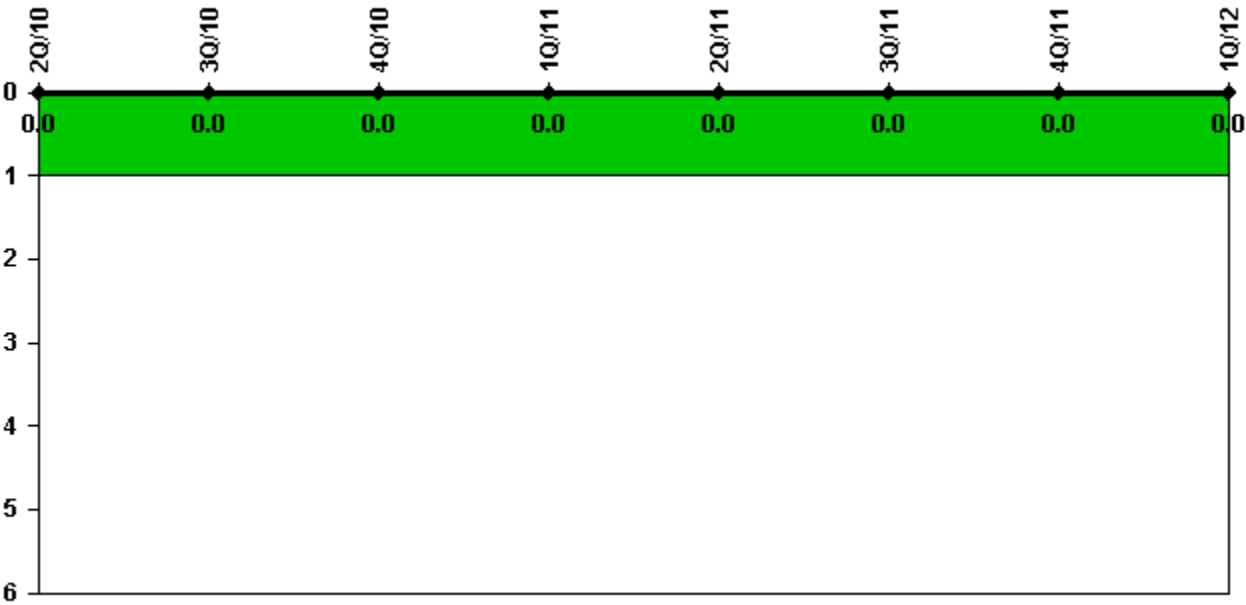
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	2.0	0	0	0	3.0	0	1.0	0
Critical hours	2049.3	2208.0	2209.0	2159.0	1022.4	2208.0	1831.6	2131.0
Indicator value	4.3	3.4	2.4	1.6	2.8	2.8	3.9	3.9

Licensee Comments: none

Unplanned Scrams with Complications



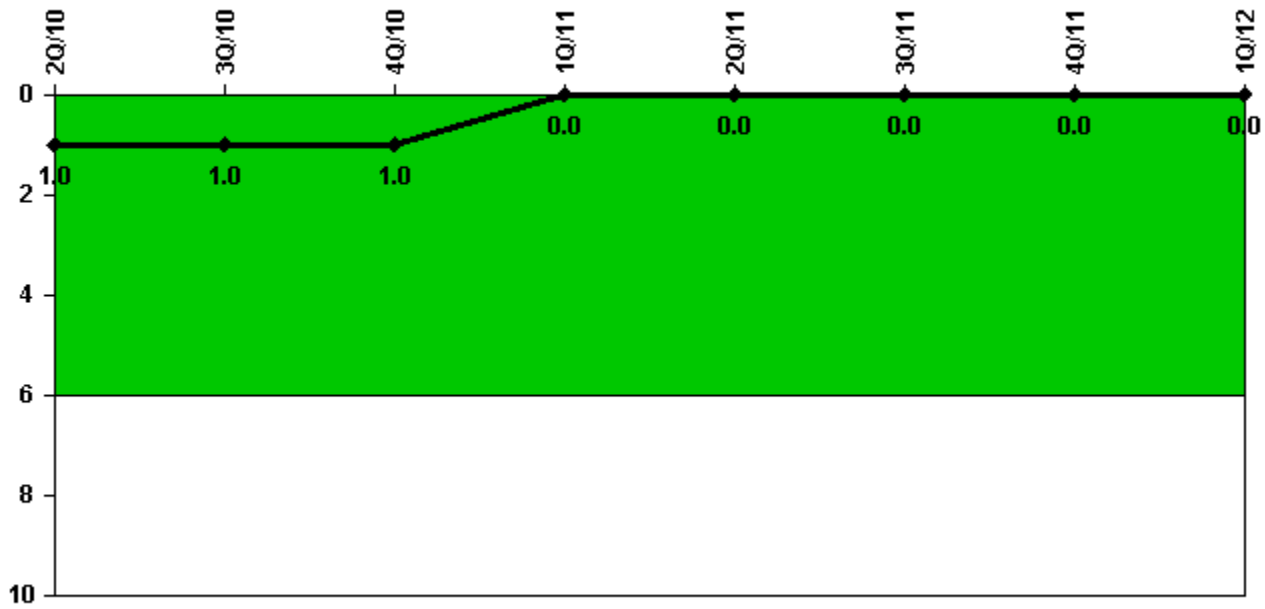
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



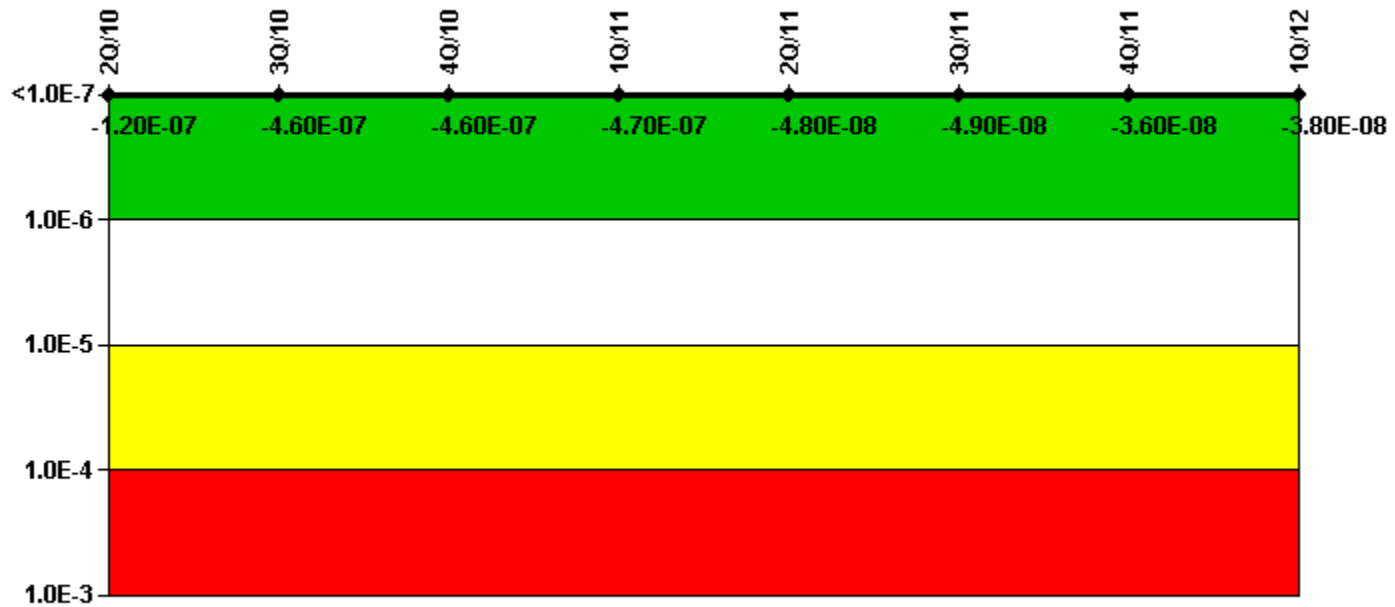
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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

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 (ΔCDF)	1.01E-07	7.68E-08	8.43E-08	6.67E-08	1.23E-08	1.07E-08	2.43E-08	2.19E-08
URI (ΔCDF)	-2.16E-07	-5.41E-07	-5.41E-07	-5.41E-07	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-4.60E-07	-4.60E-07	-4.70E-07	-4.80E-08	-4.90E-08	-3.60E-08	-3.80E-08

Licensee Comments:

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

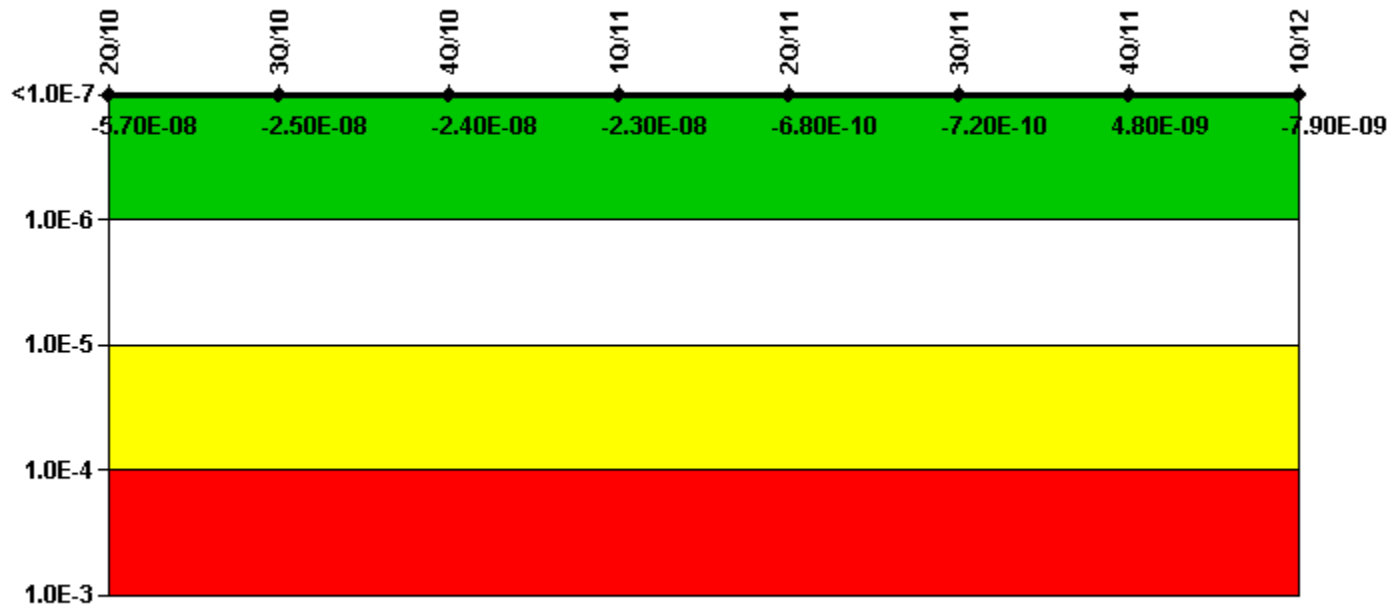
1Q/11: Changed PRA Parameter(s). When using the What-If Mode to evaluate impact of new PRA parameters, an error occurred in CDE when saving Emergency AC Power Common Cause Adjustment Factors (CCF) - the parameters were inappropriately applied to the Production Mode. This caused the System-Generated PI Comment to be created. The CCFs in Production mode were returned to the correct values.

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

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

2Q/10: 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

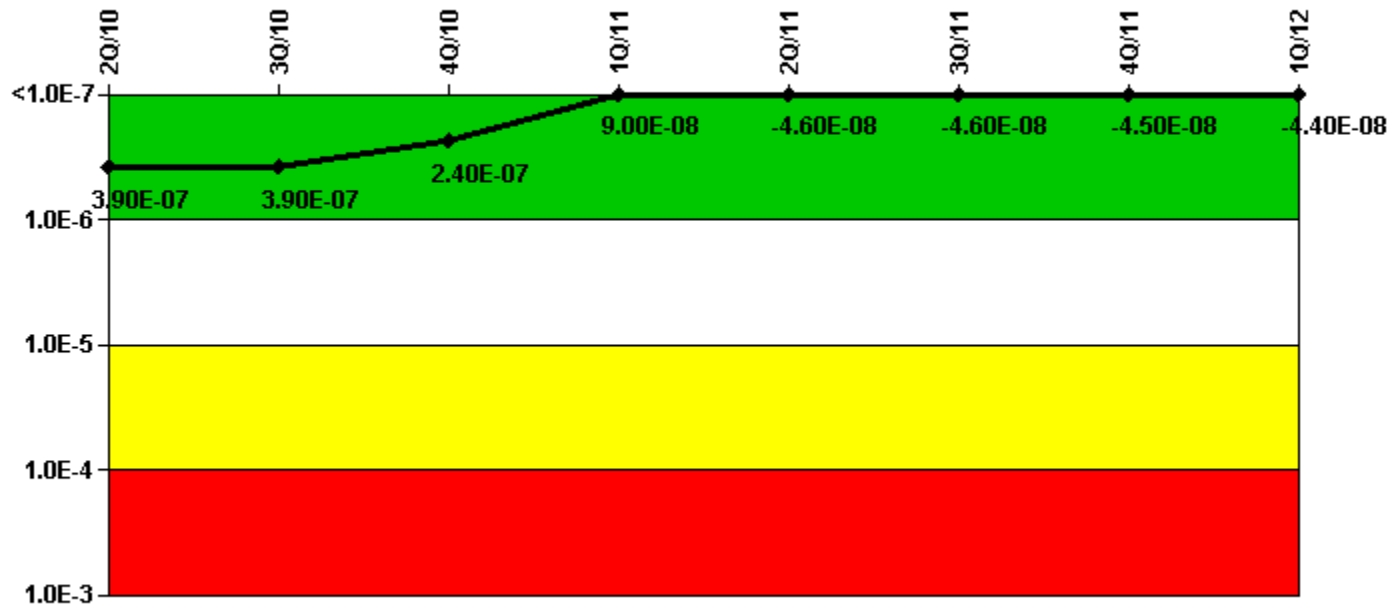
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	2.26E-10	3.18E-08	3.20E-08	3.27E-08	6.19E-08	6.19E-08	6.74E-08	5.47E-08
URI (ΔCDF)	-5.69E-08	-5.69E-08	-5.57E-08	-5.57E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.70E-08	-2.50E-08	-2.40E-08	-2.30E-08	-6.80E-10	-7.20E-10	4.80E-09	-7.90E-09

Licensee Comments:

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

Mitigating Systems Performance Index, Heat Removal System



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

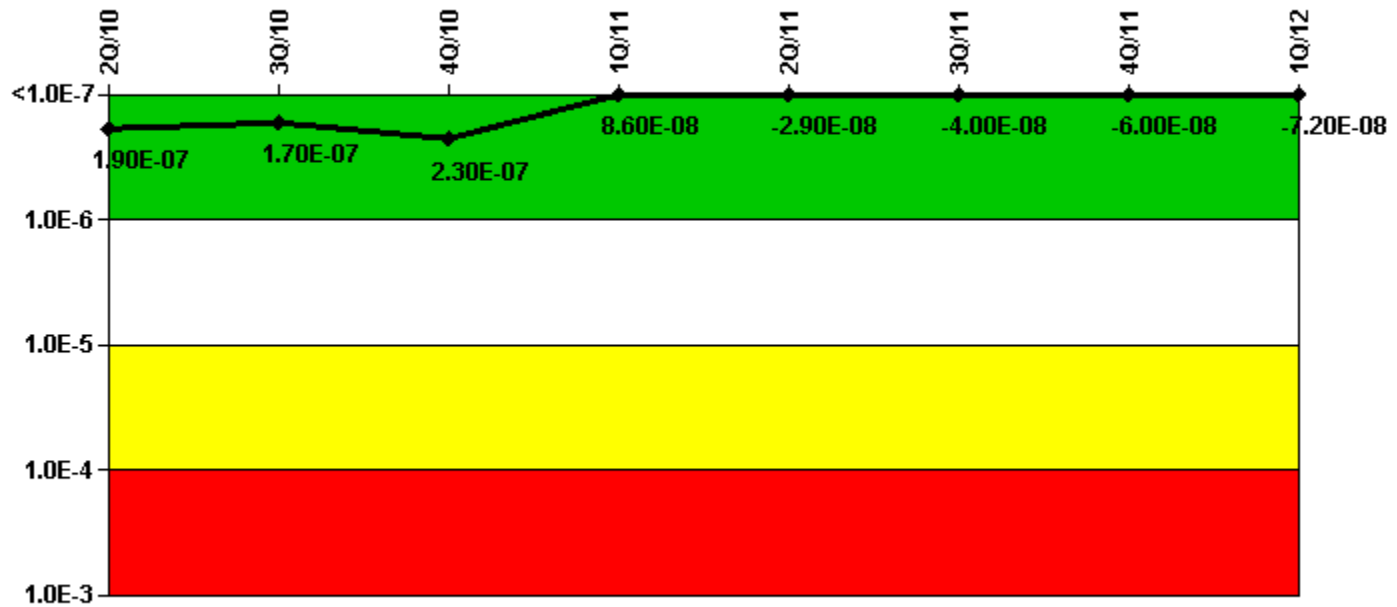
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	6.93E-08	6.61E-08	3.11E-08	-1.53E-09	-5.20E-09	-5.20E-09	-5.03E-09	-3.71E-09
URI (Δ CDF)	3.23E-07	3.23E-07	2.11E-07	9.18E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-07	3.90E-07	2.40E-07	9.00E-08	-4.60E-08	-4.60E-08	-4.50E-08	-4.40E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Residual Heat Removal System



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

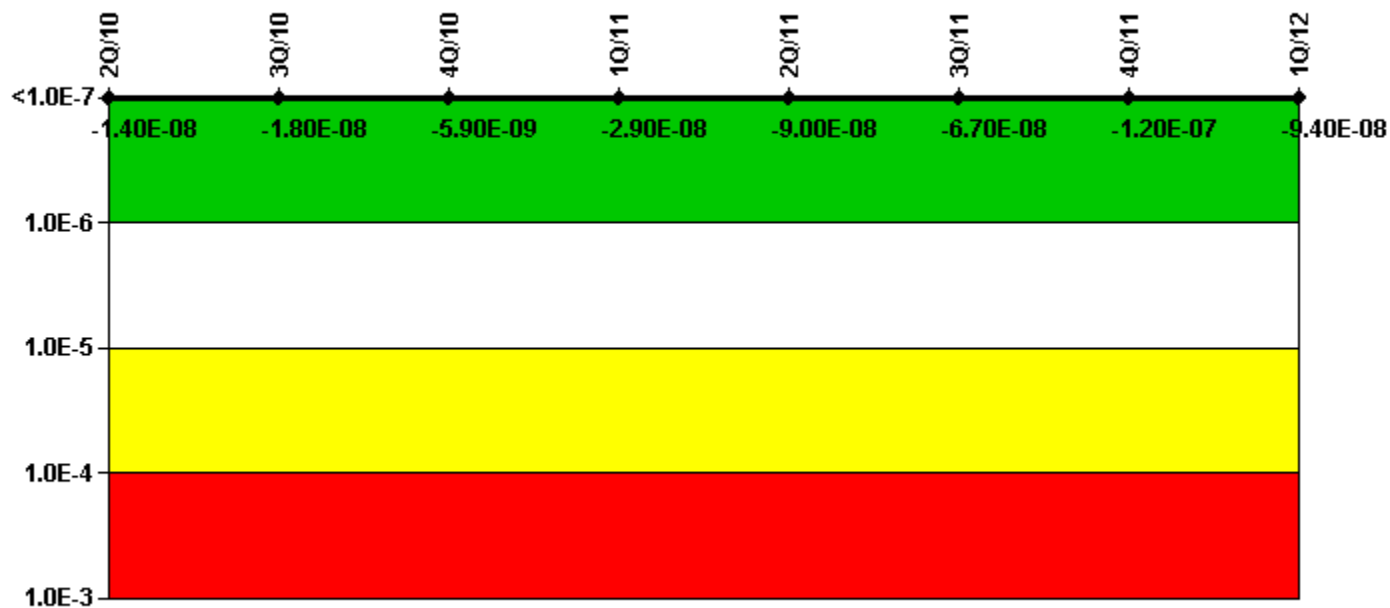
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	2.26E-07	2.13E-07	2.67E-07	1.25E-07	5.15E-08	4.01E-08	2.02E-08	8.46E-09
URI (ΔCDF)	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.90E-07	1.70E-07	2.30E-07	8.60E-08	-2.90E-08	-4.00E-08	-6.00E-08	-7.20E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Cooling Water Systems



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

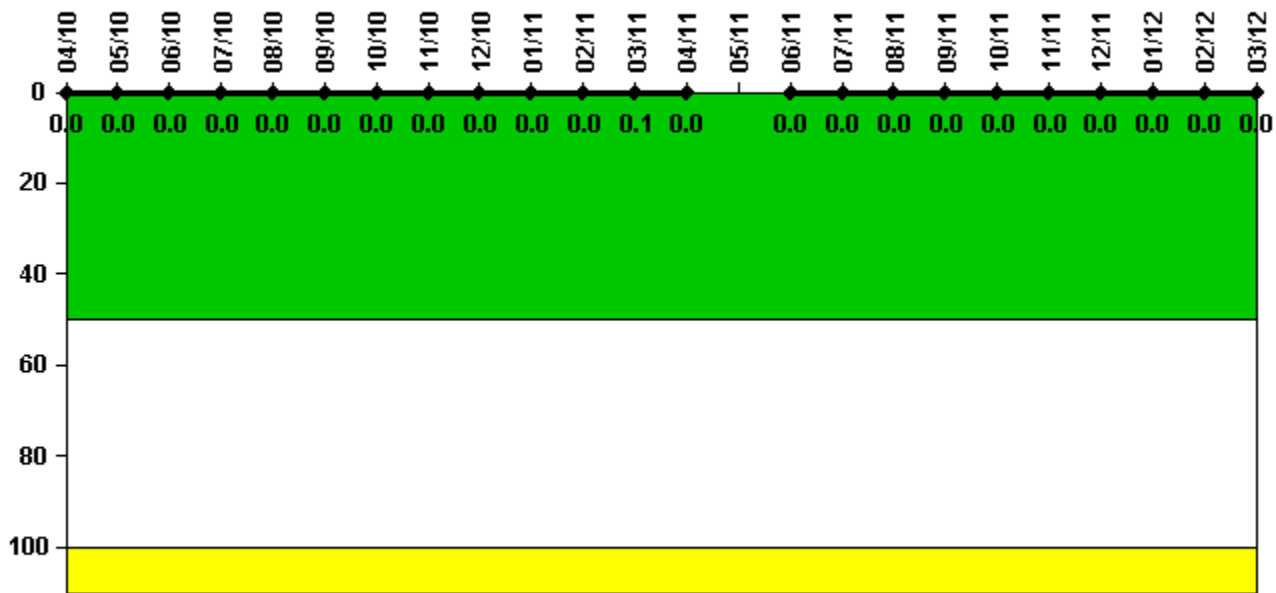
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	2.54E-08	2.06E-08	3.09E-08	7.45E-09	-4.98E-08	-2.63E-08	-7.59E-08	-5.39E-08
URI (Δ CDF)	-3.89E-08	-3.89E-08	-3.68E-08	-3.68E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.80E-08	-5.90E-09	-2.90E-08	-9.00E-08	-6.70E-08	-1.20E-07	-9.40E-08

Licensee Comments:

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

Reactor Coolant System Activity



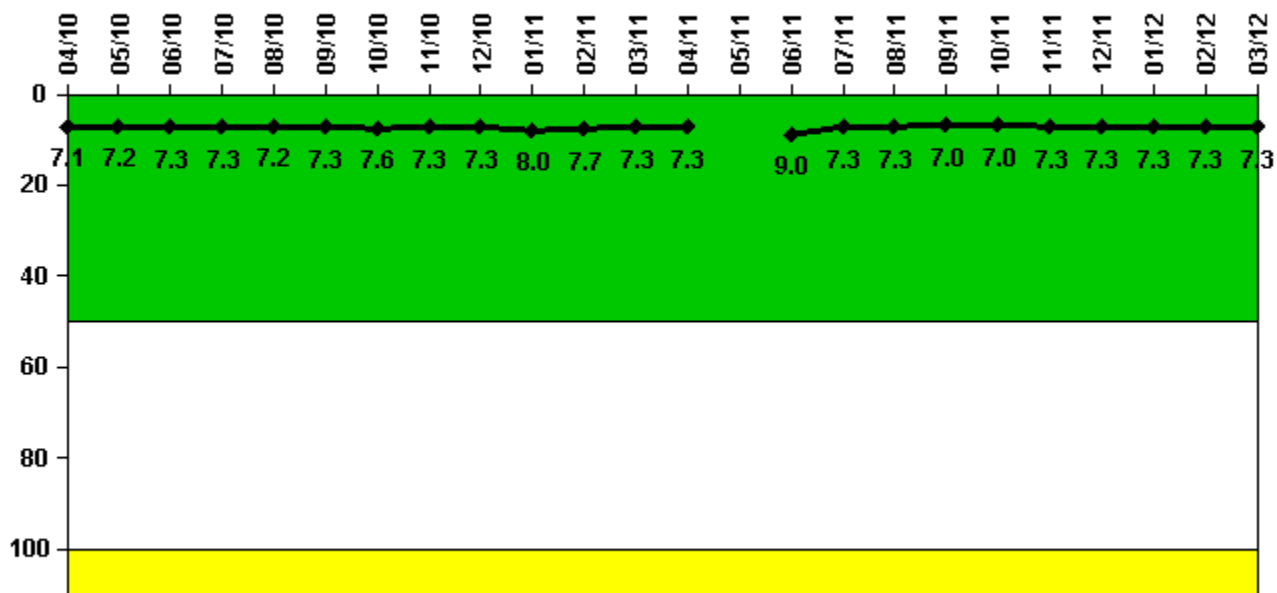
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000018	0.000024	0.000022	0.000020	0.000022	0.000030	0.000026	0.000029	0.000026	0.000027	0.000025	0.000201
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0.1
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	0.000042	N/A	0.000024	0.000024	0.000041	0.000023	0.000020	0.000022	0.000024	0.000037	0.000045	0.000043
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	N/A	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



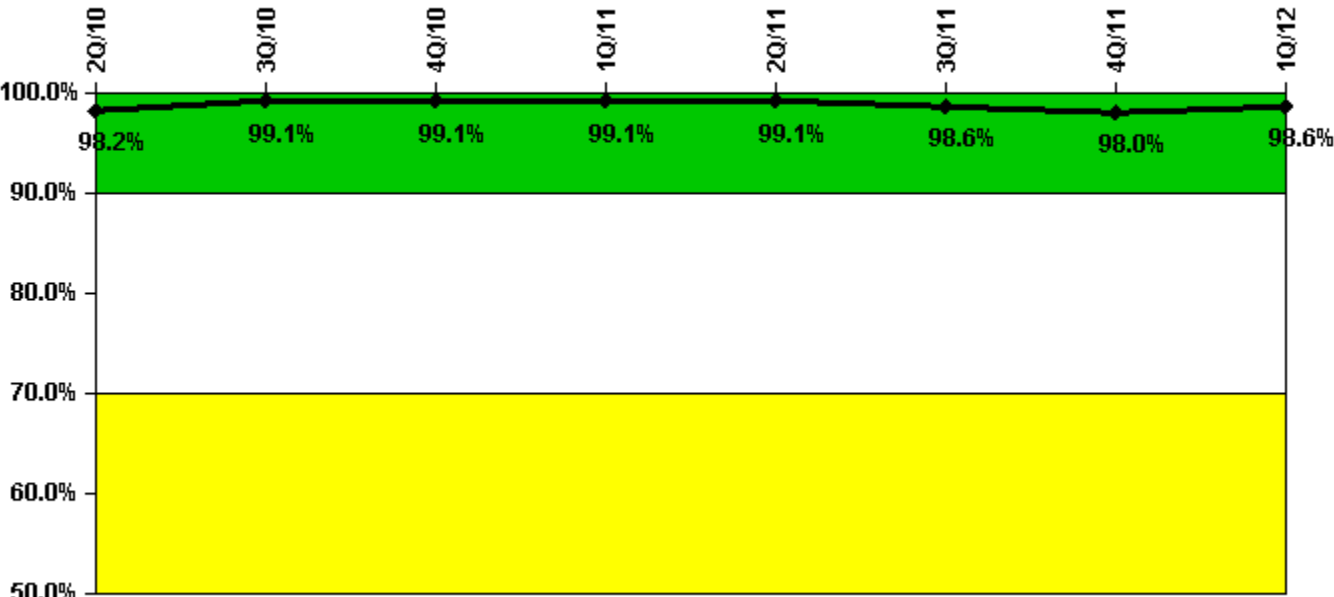
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	2.130	2.150	2.190	2.200	2.150	2.200	2.290	2.190	2.190	2.410	2.300	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.1	7.2	7.3	7.3	7.2	7.3	7.6	7.3	7.3	8.0	7.7	7.3
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	2.200	N/A	2.700	2.200	2.200	2.100	2.090	2.180	2.180	2.180	2.200	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	N/A	9.0	7.3	7.3	7.0	7.0	7.3	7.3	7.3	7.3	7.3

Licensee Comments: none

Drill/Exercise Performance



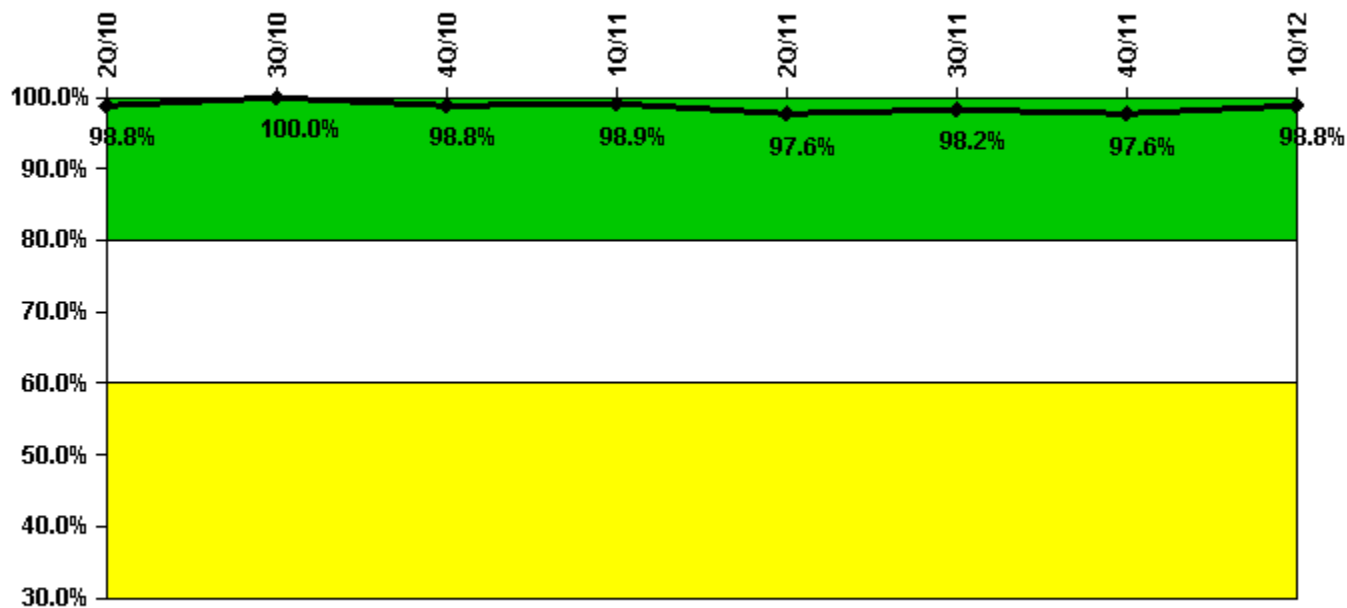
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	20.0	48.0	21.0	31.0	0	21.0	21.0	46.0
Total opportunities	20.0	49.0	21.0	31.0	0	22.0	22.0	46.0
Indicator value	98.2%	99.1%	99.1%	99.1%	99.1%	98.6%	98.0%	98.6%

Licensee Comments: none

ERO Drill Participation



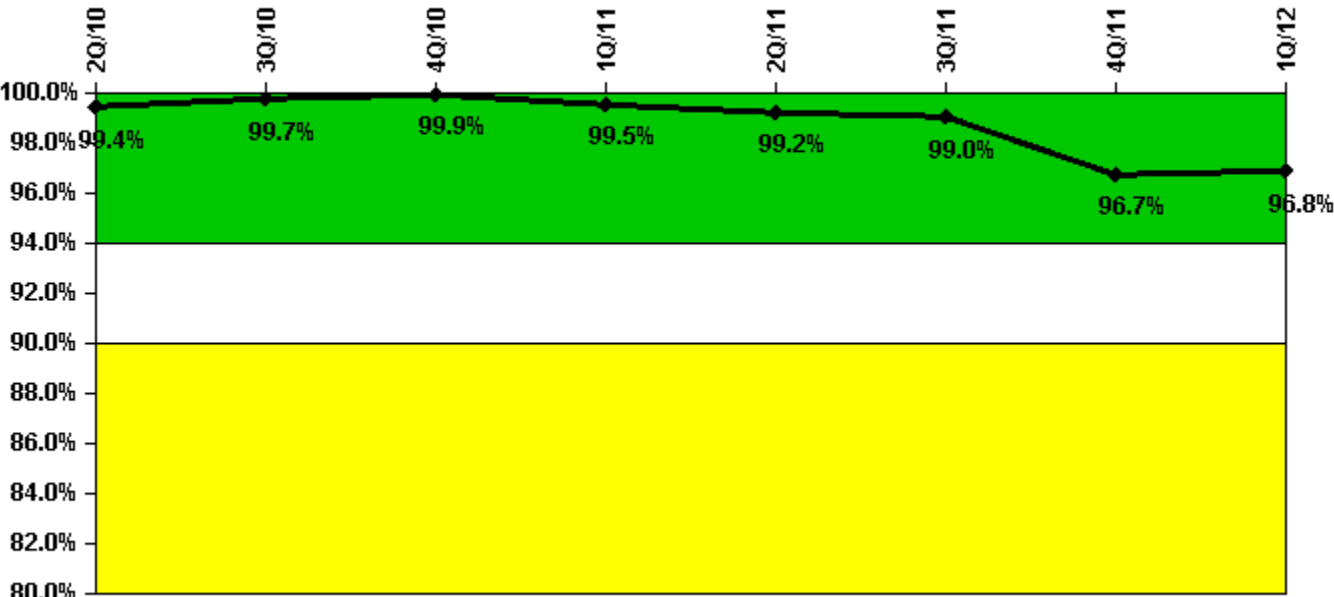
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	162.0	166.0	162.0	173.0	166.0	163.0	162.0	161.0
Total Key personnel	164.0	166.0	164.0	175.0	170.0	166.0	166.0	163.0
Indicator value	98.8%	100.0%	98.8%	98.9%	97.6%	98.2%	97.6%	98.8%

Licensee Comments: none

Alert & Notification System



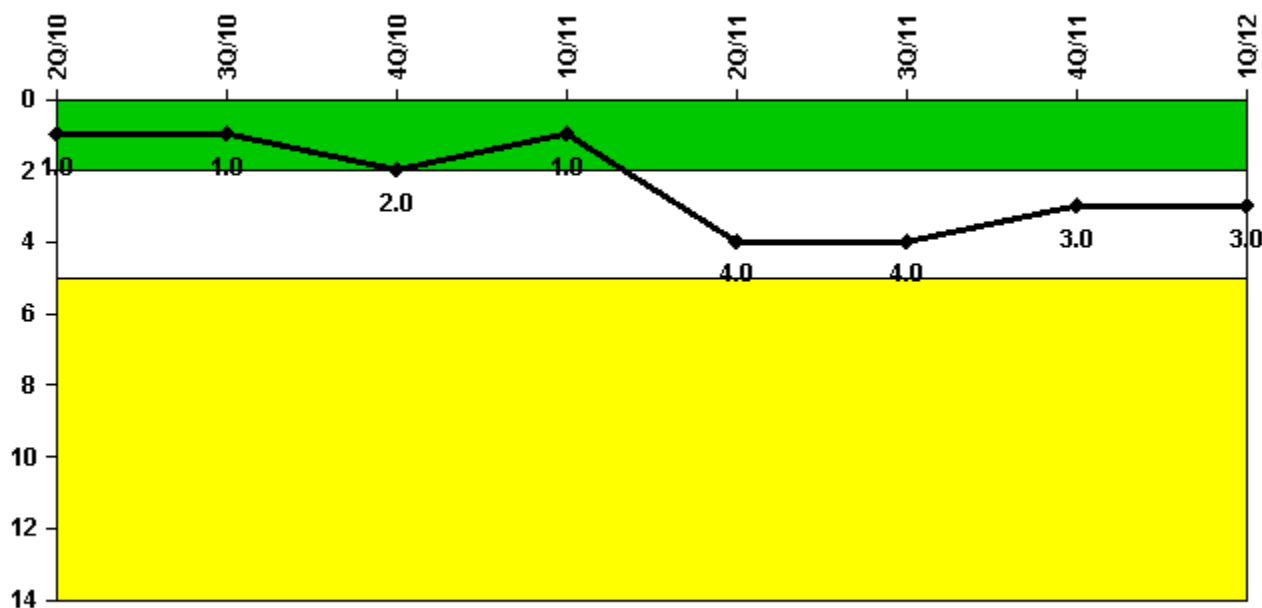
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	530	532	532	523	525	527	483	525
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.4%	99.7%	99.9%	99.5%	99.2%	99.0%	96.7%	96.8%

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	1	0	3	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	2	1	4	4	3	3

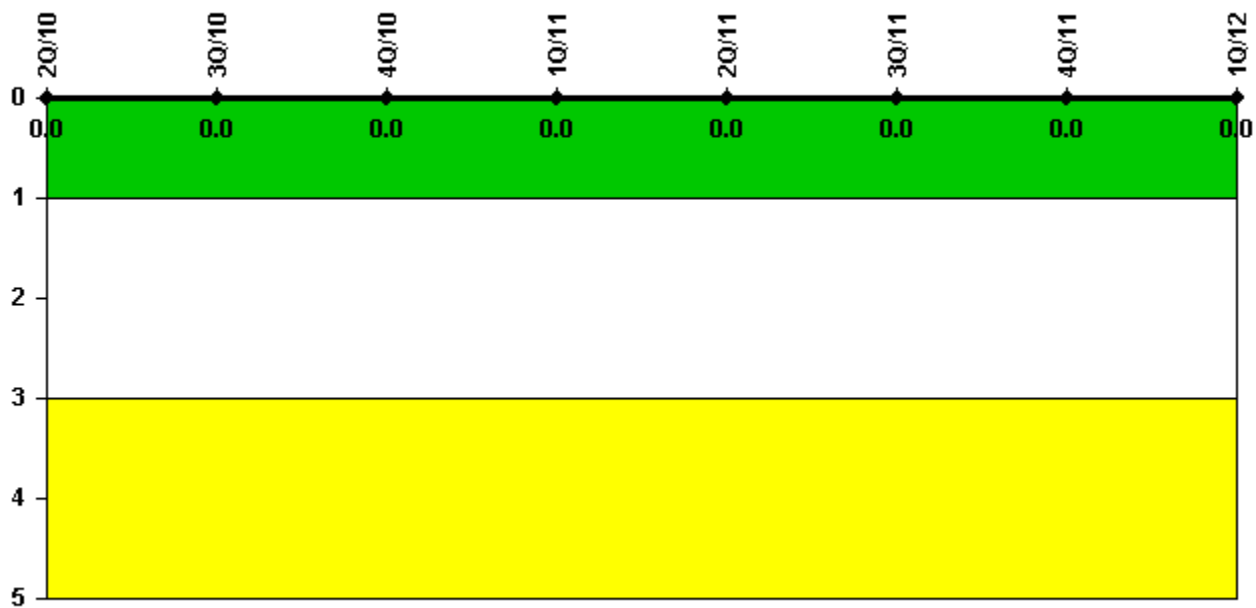
Licensee Comments:

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

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

4Q/10: The High radiation area occurrence reported for November 2010 caused re-review of a March 12, 2010, occurrence where a radworker entered a Technical Specification High Radiation Area (TSHRA) where no briefing on radiological conditions was provided and received a dose rate alarm. This occurrence was determined to represent a loss of control of work in a TSHRA and is to be counted under the PI. A change file was prepared to correct the March 2010 PI data reported. The indicator color remains green. The indicator value is at the Increased Regulatory Response Band Threshold (2).

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

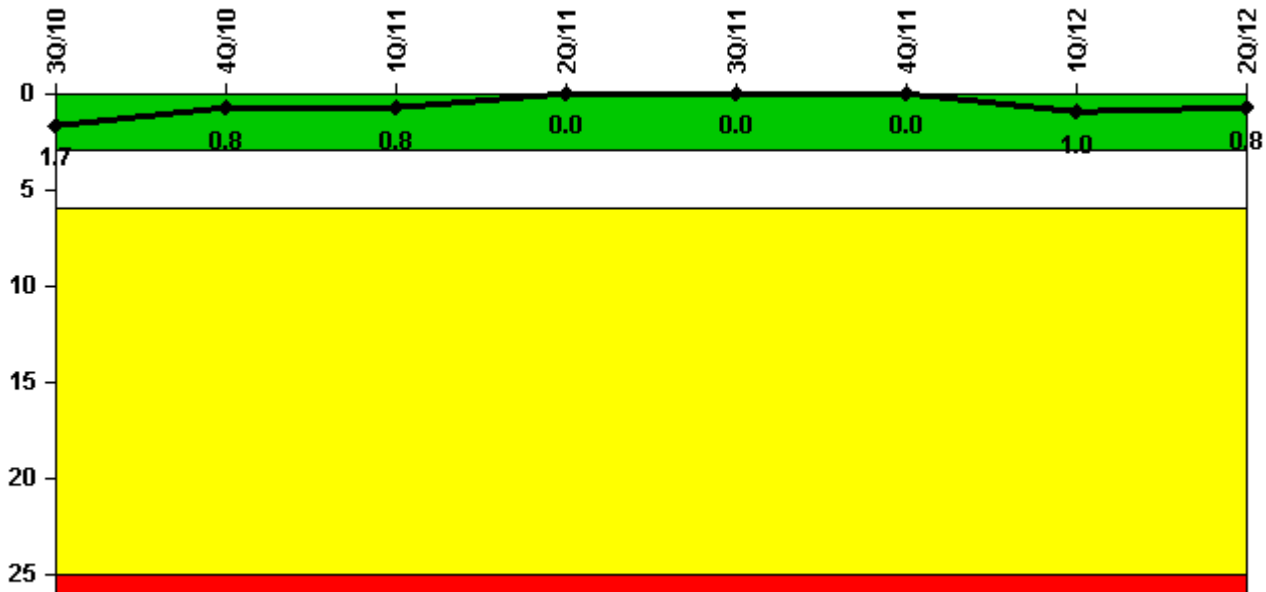
[Security](#) information not publicly available.

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2Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



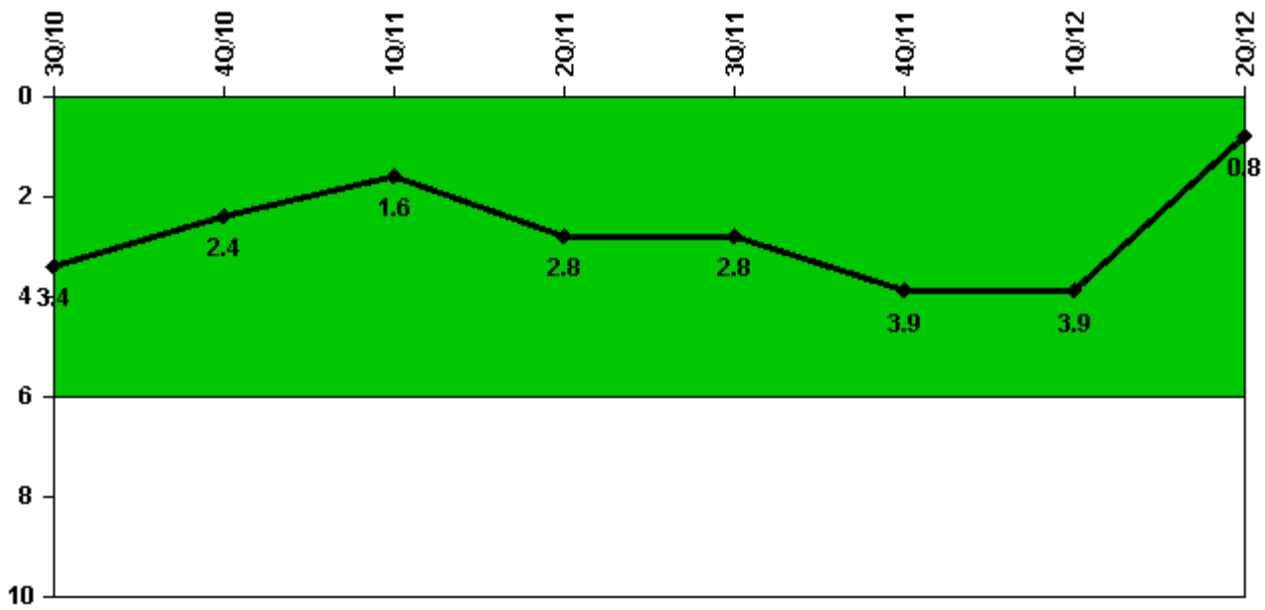
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0
Critical hours	2208.0	2209.0	2159.0	1022.4	2208.0	1831.6	2131.0	2111.7
Indicator value	1.7	0.8	0.8	0	0	0	1.0	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



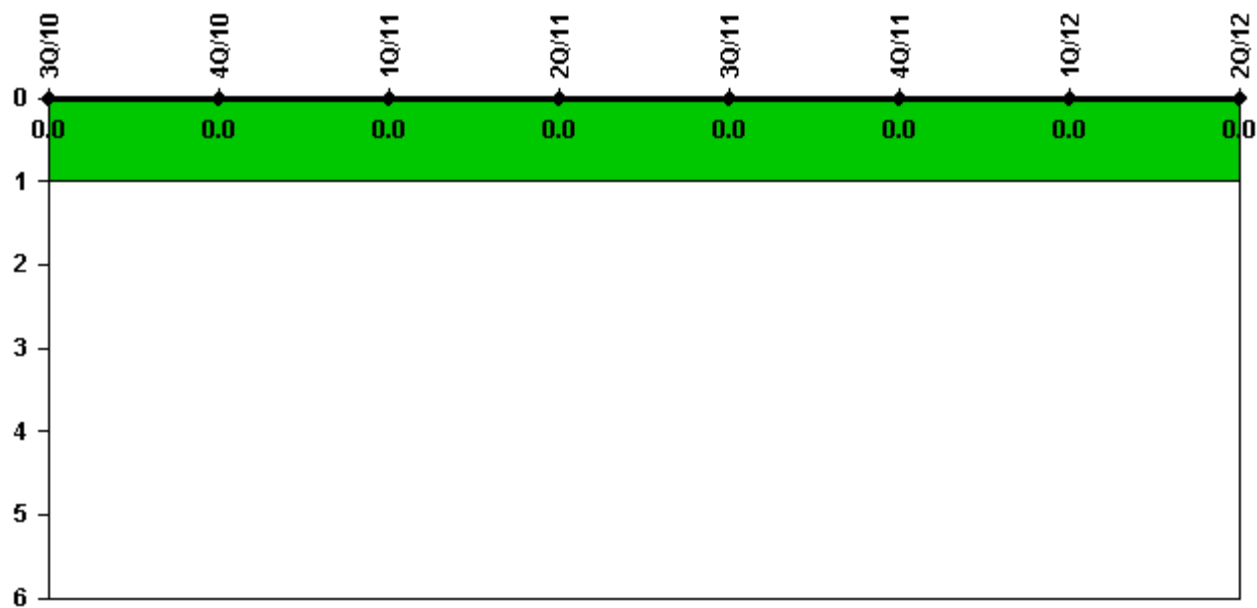
Thresholds: White > 6.0

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	0	0	3.0	0	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	1022.4	2208.0	1831.6	2131.0	2111.7
Indicator value	3.4	2.4	1.6	2.8	2.8	3.9	3.9	0.8

Licensee Comments: none

Unplanned Scrams with Complications



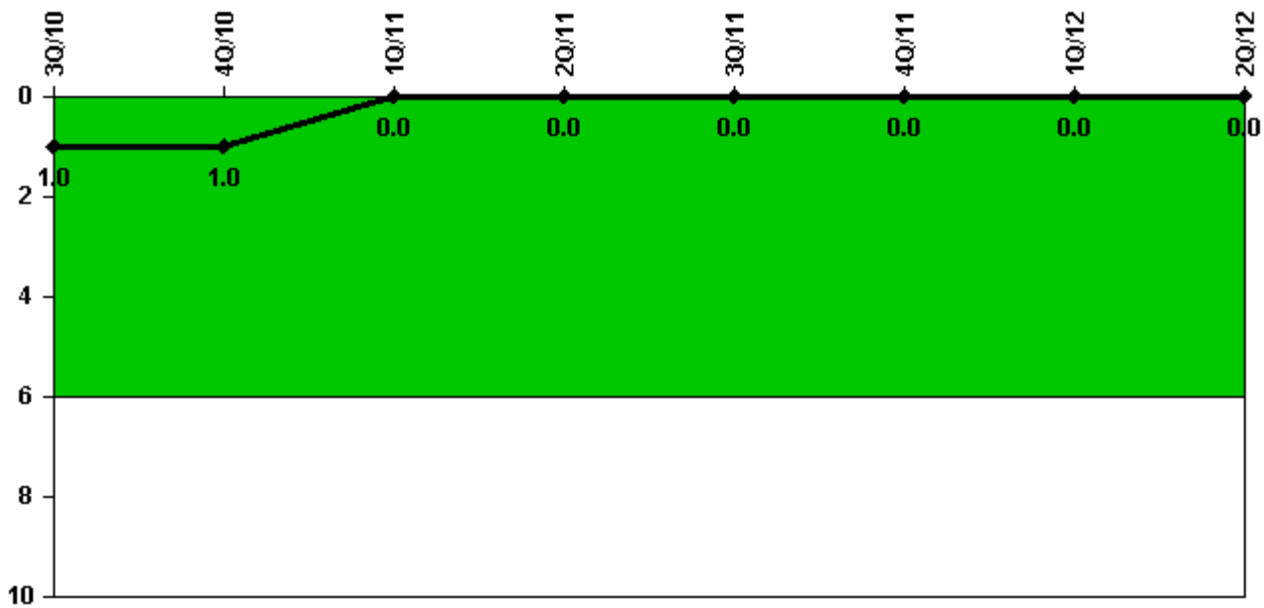
Thresholds: White > 1.0

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 (BWR)



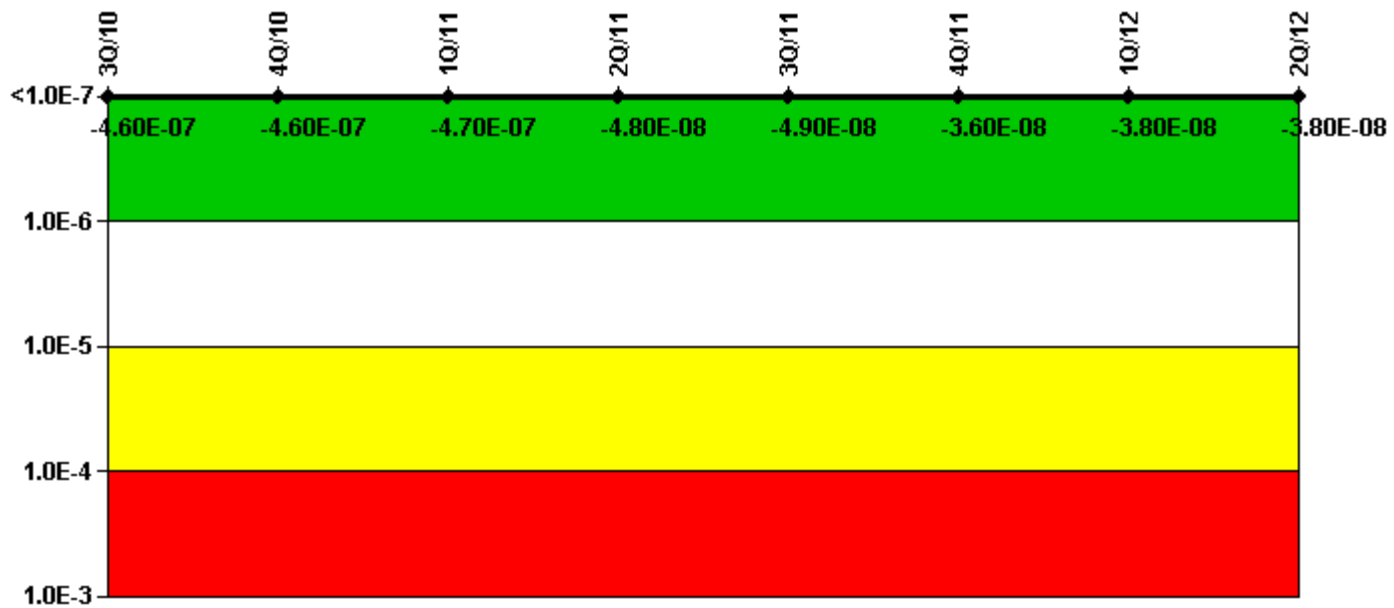
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
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

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)	7.68E-08	8.43E-08	6.67E-08	1.23E-08	1.07E-08	2.43E-08	2.19E-08	2.26E-08
URI (ΔCDF)	-5.41E-07	-5.41E-07	-5.41E-07	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-07	-4.60E-07	-4.70E-07	-4.80E-08	-4.90E-08	-3.60E-08	-3.80E-08	-3.80E-08

Licensee Comments:

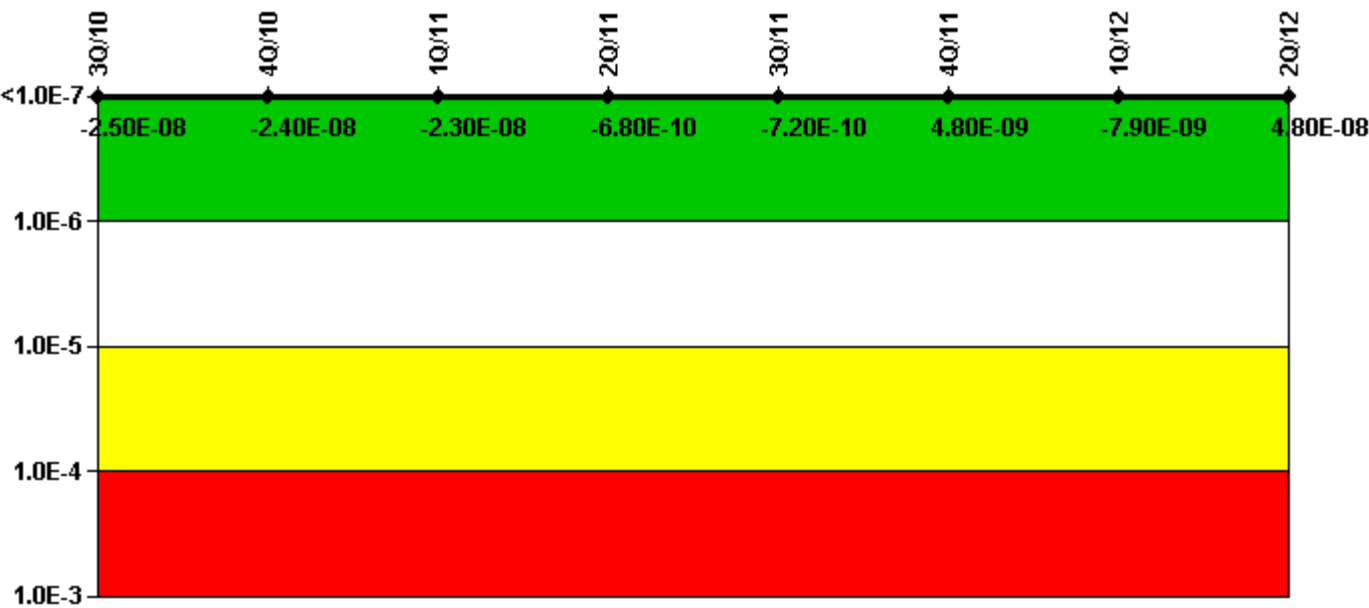
2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s). When using the What-If Mode to evaluate impact of new PRA parameters, an error occurred in CDE when saving Emergency AC Power Common Cause Adjustment Factors (CCF) - the parameters were inappropriately applied to the Production Mode. This caused the System-Generated PI Comment to be created. The CCFs in Production mode were returned to the correct values.

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

3Q/10: 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

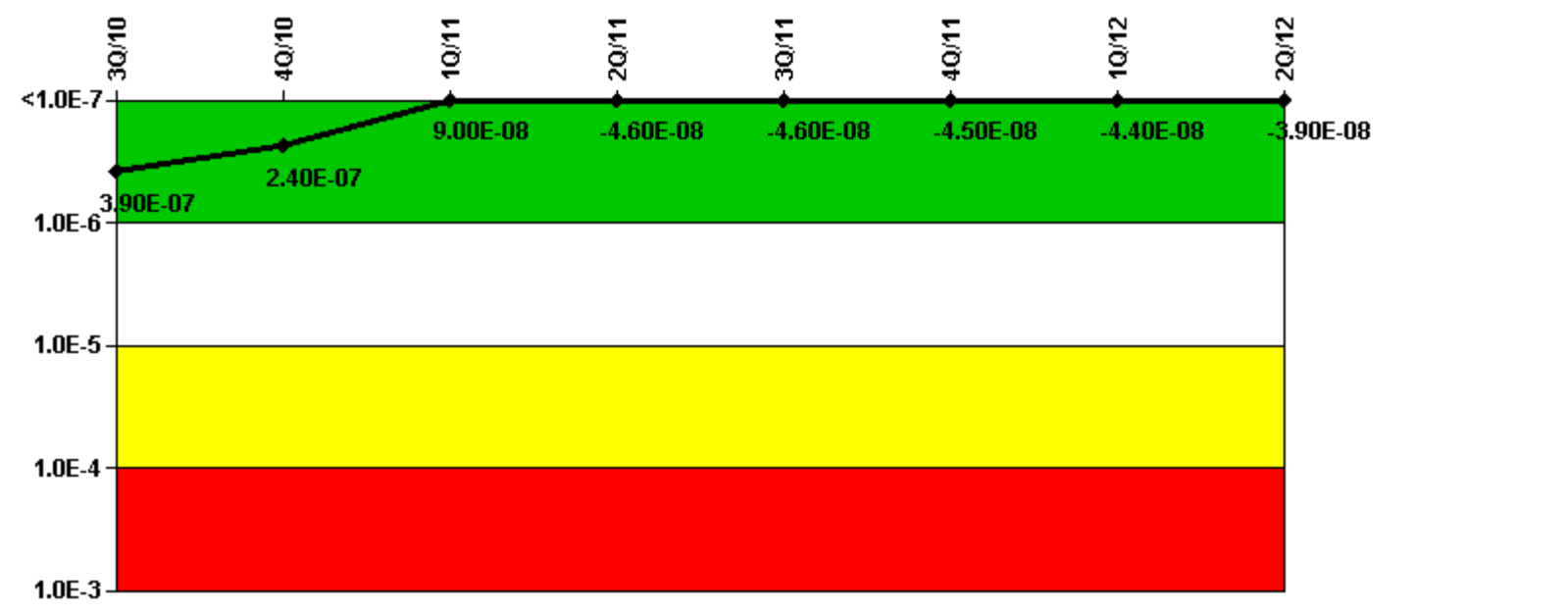
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	3.18E-08	3.20E-08	3.27E-08	6.19E-08	6.19E-08	6.74E-08	5.47E-08	1.11E-07
URI (ΔCDF)	-5.69E-08	-5.57E-08	-5.57E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-08	-2.40E-08	-2.30E-08	-6.80E-10	-7.20E-10	4.80E-09	-7.90E-09	4.80E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Heat Removal System



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

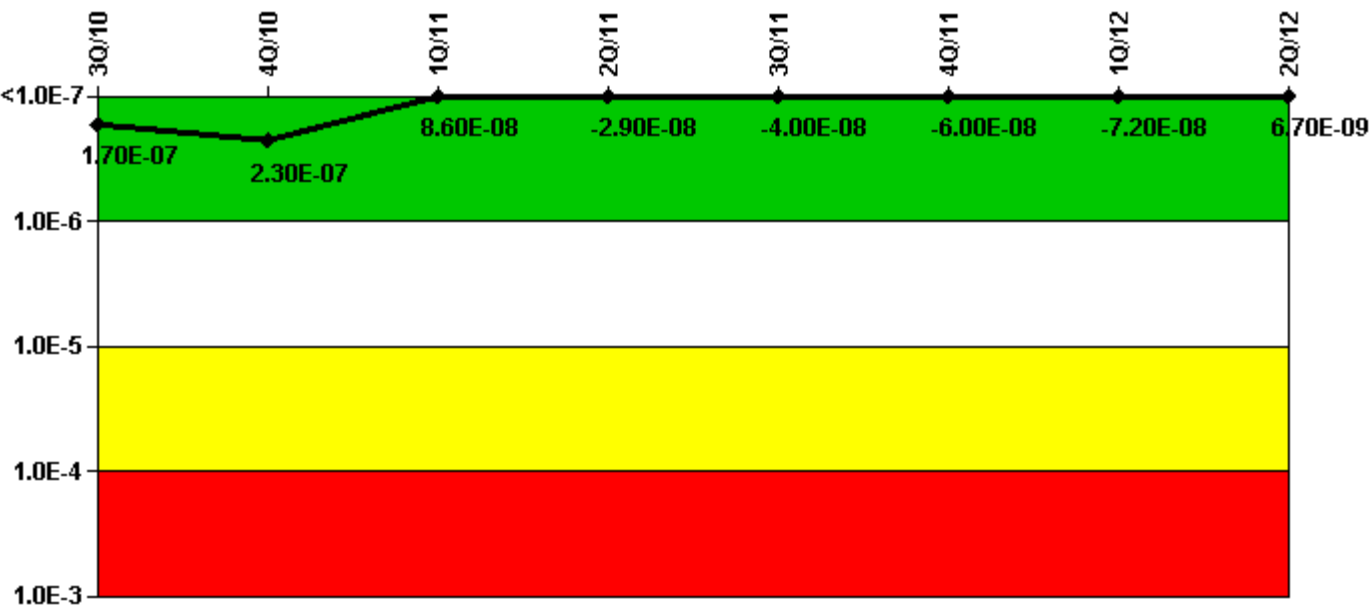
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	6.61E-08	3.11E-08	-1.53E-09	-5.20E-09	-5.20E-09	-5.03E-09	-3.71E-09	1.79E-09
URI (ΔCDF)	3.23E-07	2.11E-07	9.18E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-07	2.40E-07	9.00E-08	-4.60E-08	-4.60E-08	-4.50E-08	-4.40E-08	-3.90E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Residual Heat Removal System



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

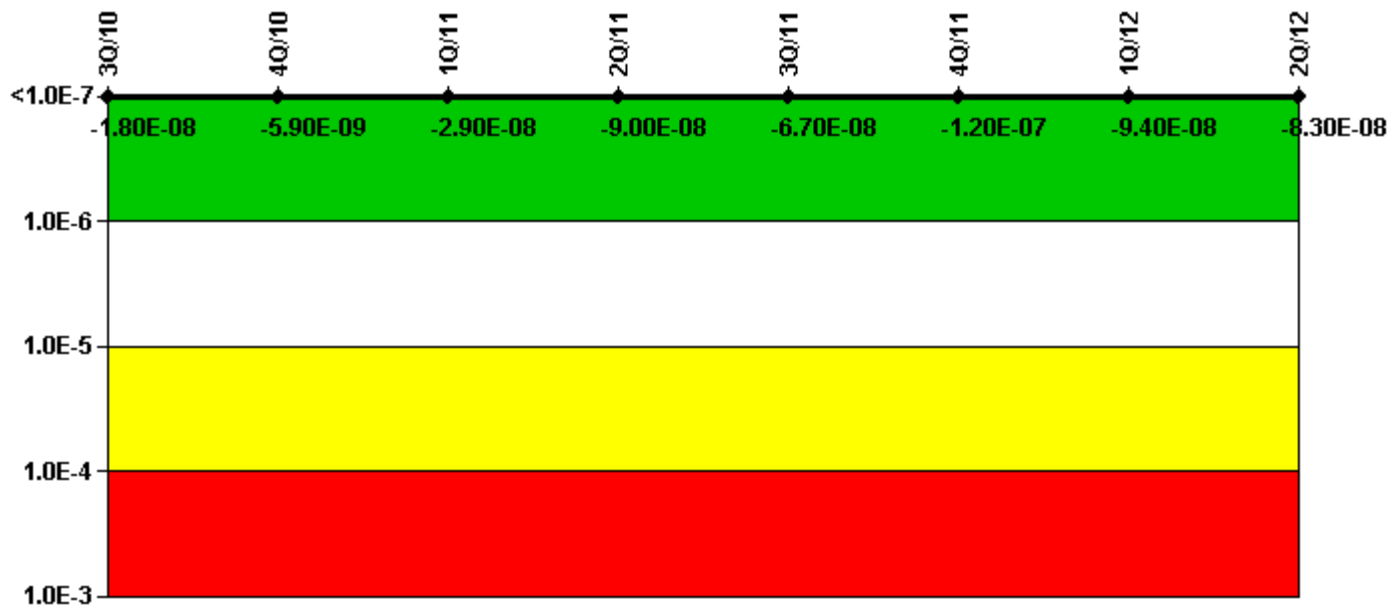
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	2.13E-07	2.67E-07	1.25E-07	5.15E-08	4.01E-08	2.02E-08	8.46E-09	8.71E-08
URI (ΔCDF)	-3.90E-08	-3.90E-08	-3.90E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.70E-07	2.30E-07	8.60E-08	-2.90E-08	-4.00E-08	-6.00E-08	-7.20E-08	6.70E-09

Licensee Comments:

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

Mitigating Systems Performance Index, Cooling Water Systems



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

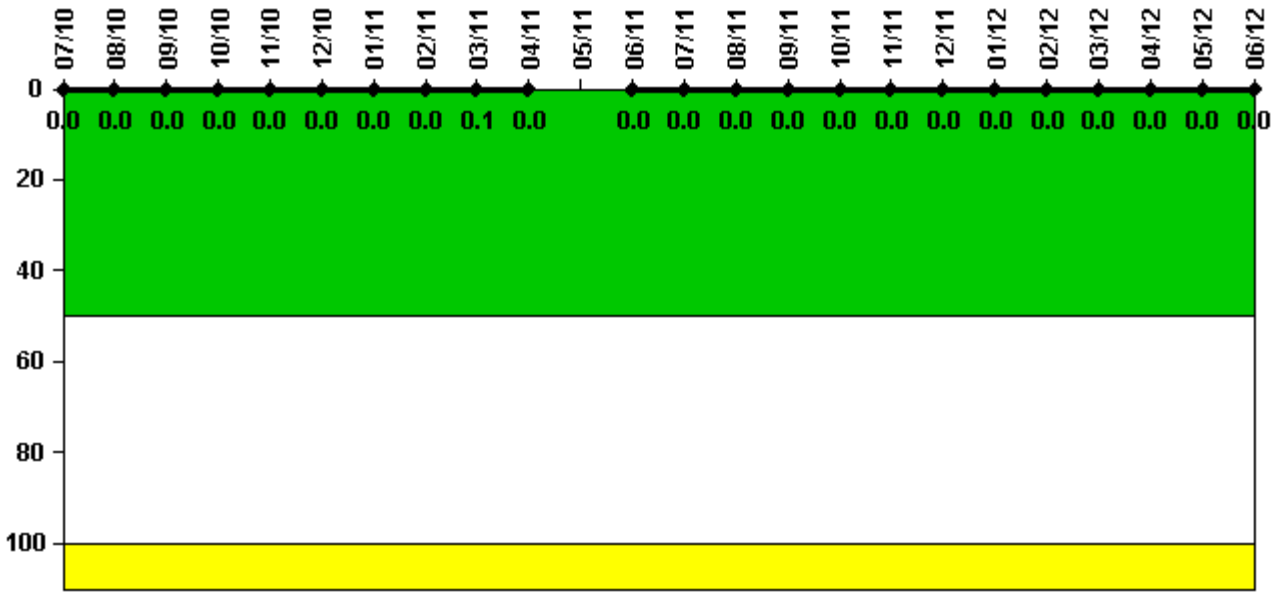
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	2.06E-08	3.09E-08	7.45E-09	-4.98E-08	-2.63E-08	-7.59E-08	-5.39E-08	-4.20E-08
URI (Δ CDF)	-3.89E-08	-3.68E-08	-3.68E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-08	-5.90E-09	-2.90E-08	-9.00E-08	-6.70E-08	-1.20E-07	-9.40E-08	-8.30E-08

Licensee Comments:

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

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

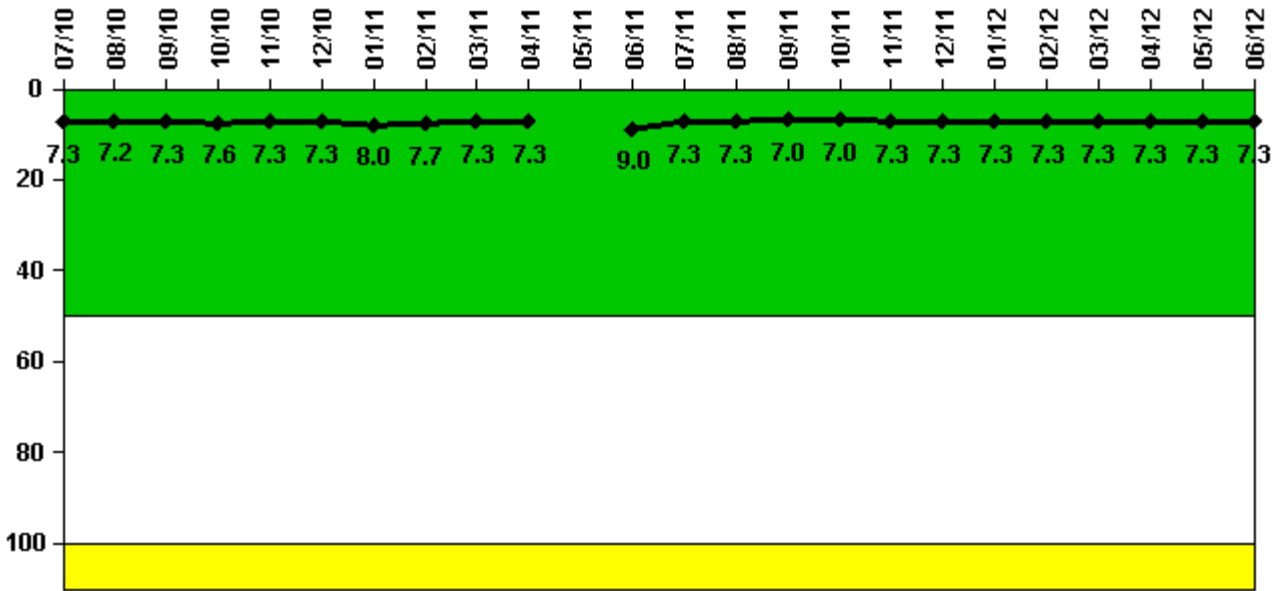
Notes

Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000020	0.000022	0.000030	0.000026	0.000029	0.000026	0.000027	0.000025	0.000201	0.000042	N/A	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0.1	0	N/A	0

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	0.000024	0.000041	0.000023	0.000020	0.000022	0.000024	0.000037	0.000045	0.000043	0.000026	0.000029	0.000032
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



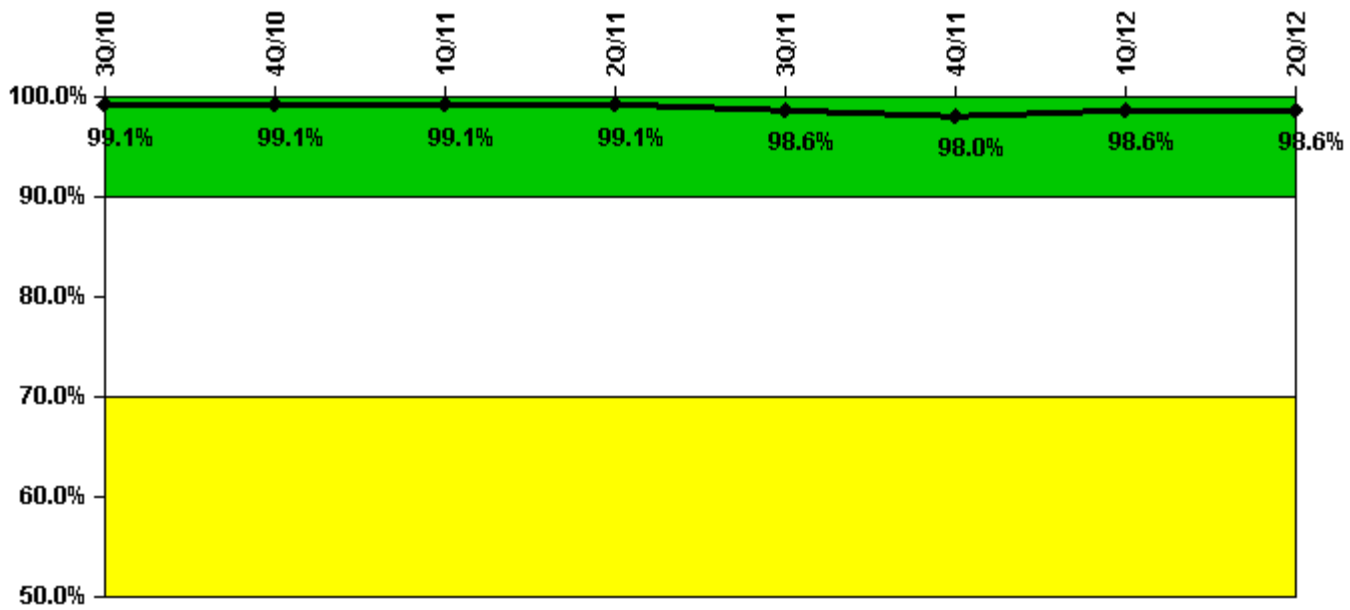
Thresholds: White > 50.0 Yellow > 100.0

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	2.200	2.150	2.200	2.290	2.190	2.190	2.410	2.300	2.200	2.200	N/A	2.700
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.2	7.3	7.6	7.3	7.3	8.0	7.7	7.3	7.3	N/A	9.0
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	2.200	2.200	2.100	2.090	2.180	2.180	2.180	2.200	2.200	2.190	2.190	2.190
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.0	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3

Licensee Comments: none

Drill/Exercise Performance



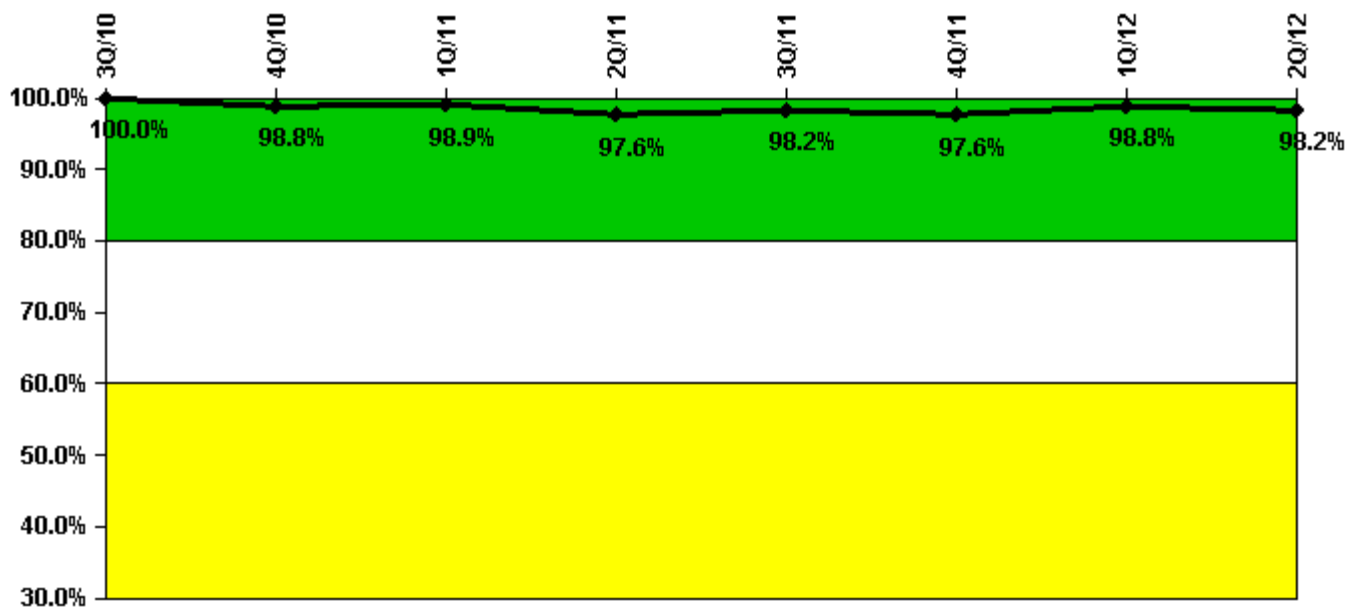
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	48.0	21.0	31.0	0	21.0	21.0	46.0	22.0
Total opportunities	49.0	21.0	31.0	0	22.0	22.0	46.0	22.0
Indicator value	99.1%	99.1%	99.1%	99.1%	98.6%	98.0%	98.6%	98.6%

Licensee Comments: none

ERO Drill Participation



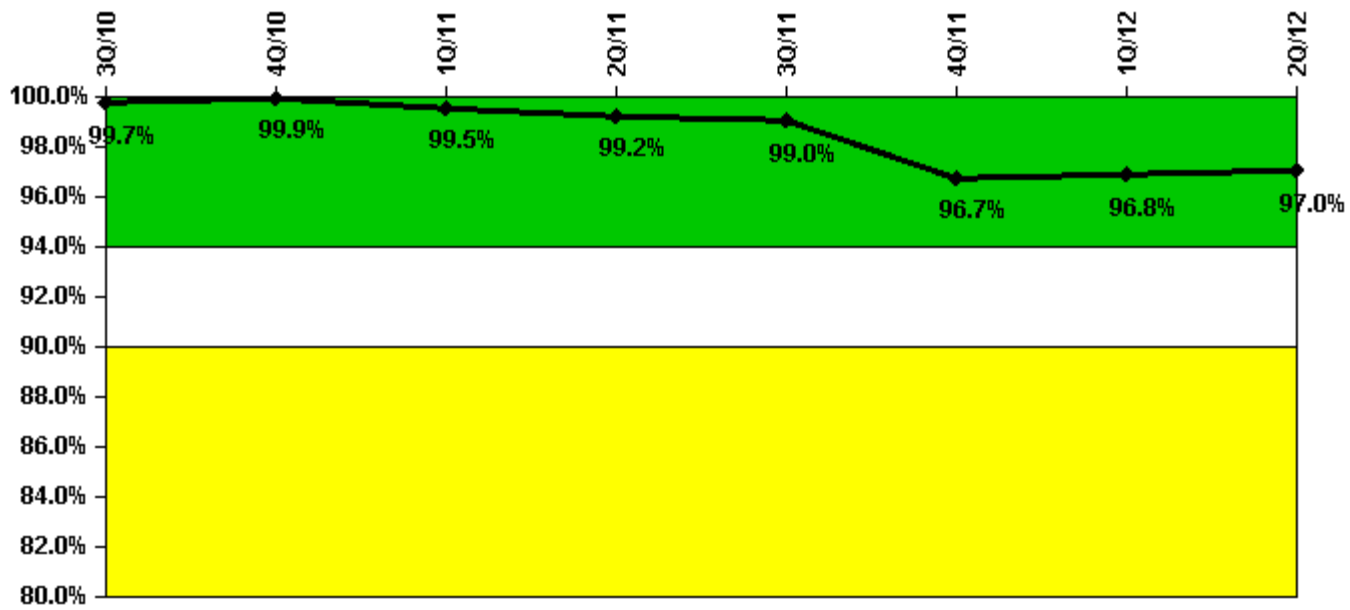
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	166.0	162.0	173.0	166.0	163.0	162.0	161.0	165.0
Total Key personnel	166.0	164.0	175.0	170.0	166.0	166.0	163.0	168.0
Indicator value	100.0%	98.8%	98.9%	97.6%	98.2%	97.6%	98.8%	98.2%

Licensee Comments: none

Alert & Notification System



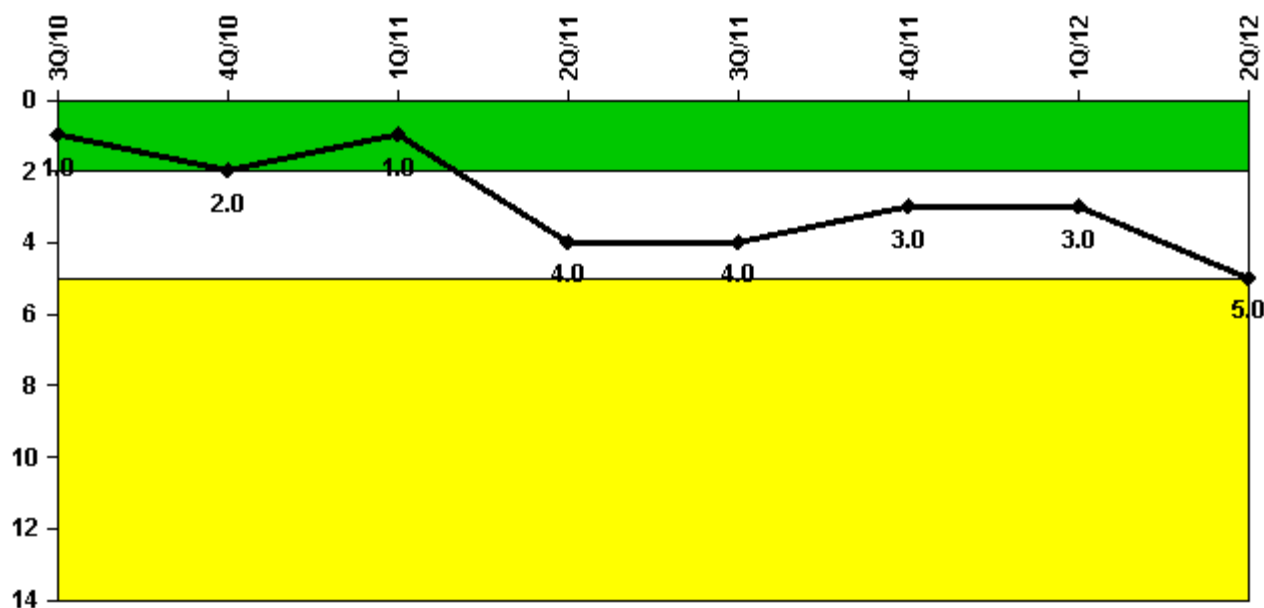
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	532	532	523	525	527	483	525	530
Total sirens-tests	532	532	532	532	532	532	532	532
Indicator value	99.7%	99.9%	99.5%	99.2%	99.0%	96.7%	96.8%	97.0%

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	1	0	3	0	0	0	5
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	2	1	4	4	3	3	5

Licensee Comments:

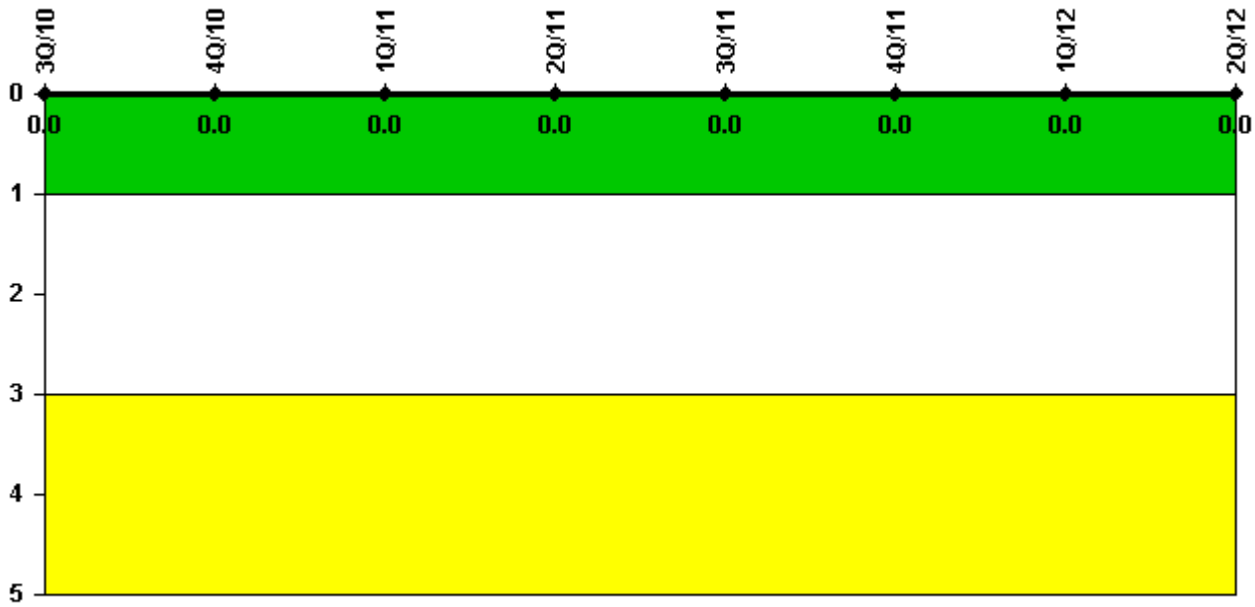
2Q/12: The number of TS HRA occurrences reported for June remains under evaluation at this time. A Frequently Asked Question (FAQ) submittal is planned to address the associated issues, which include having the same cause in a common time frame for the occurrences. The PI value may be modified as a result. With submittal of the Second Quarter 2012 PI data, the indicator performance has exceeded the green/white threshold and has moved to the Increased Regulatory Response Band. The PI color is WHITE.

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

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

4Q/10: The High radiation area occurrence reported for November 2010 caused re-review of a March 12, 2010, occurrence where a radworker entered a Technical Specification High Radiation Area (TSHRA) where no briefing on radiological conditions was provided and received a dose rate alarm. This occurrence was determined to represent a loss of control of work in a TSHRA and is to be counted under the PI. A change file was prepared to correct the March 2010 PI data reported. The indicator color remains green. The indicator value is at the Increased Regulatory Response Band Threshold (2).

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

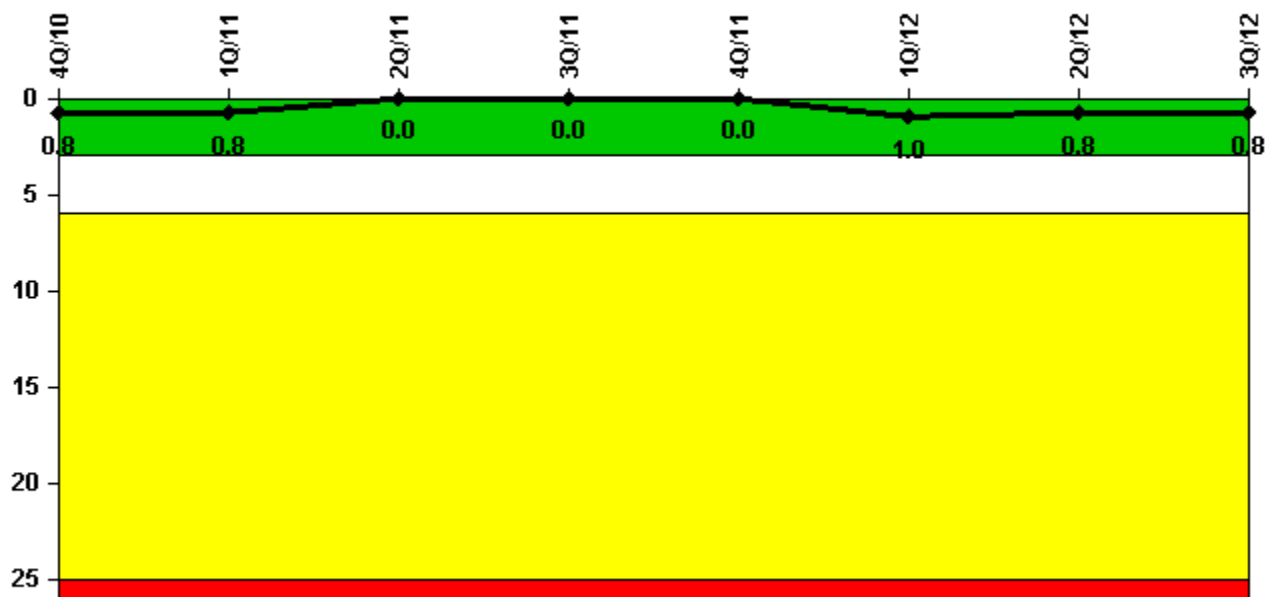
Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information 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.

Perry 1

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



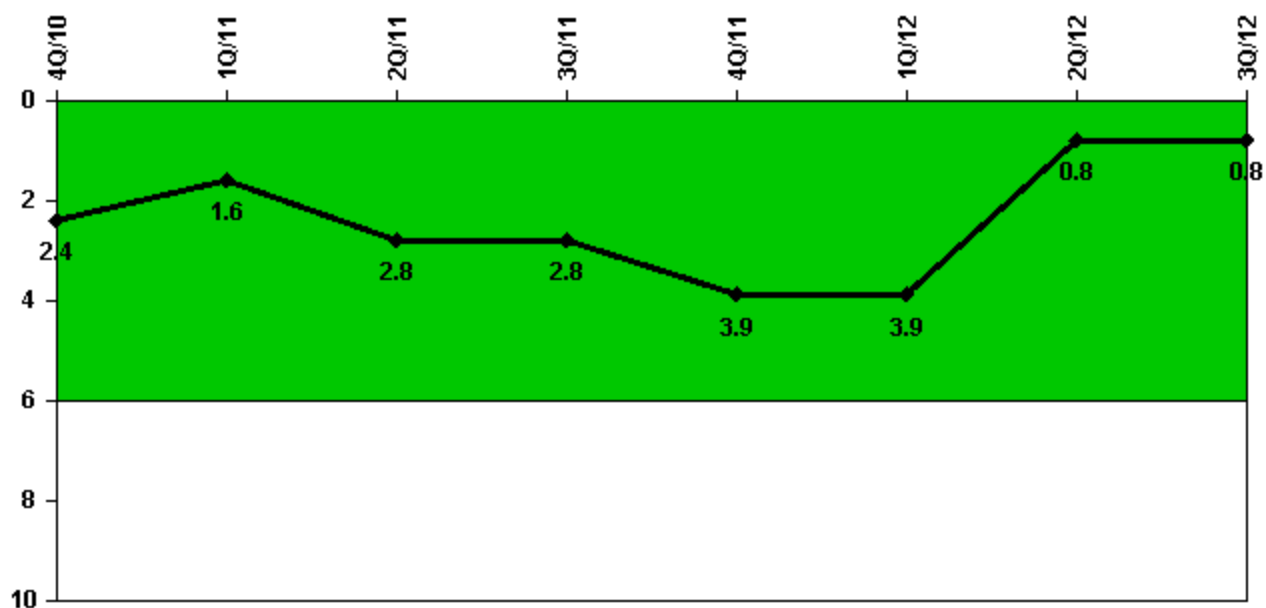
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0
Critical hours	2209.0	2159.0	1022.4	2208.0	1831.6	2131.0	2111.7	2208.0
Indicator value	0.8	0.8	0	0	0	1.0	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



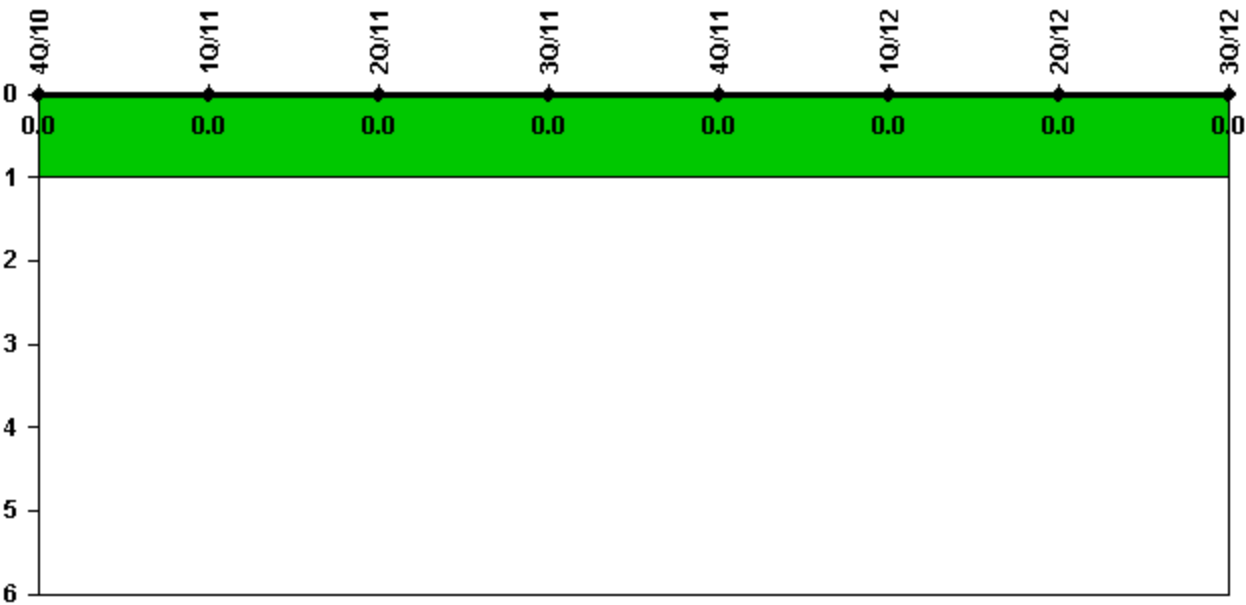
Thresholds: White > 6.0

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	0	0	3.0	0	1.0	0	0	0
Critical hours	2209.0	2159.0	1022.4	2208.0	1831.6	2131.0	2111.7	2208.0
Indicator value	2.4	1.6	2.8	2.8	3.9	3.9	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



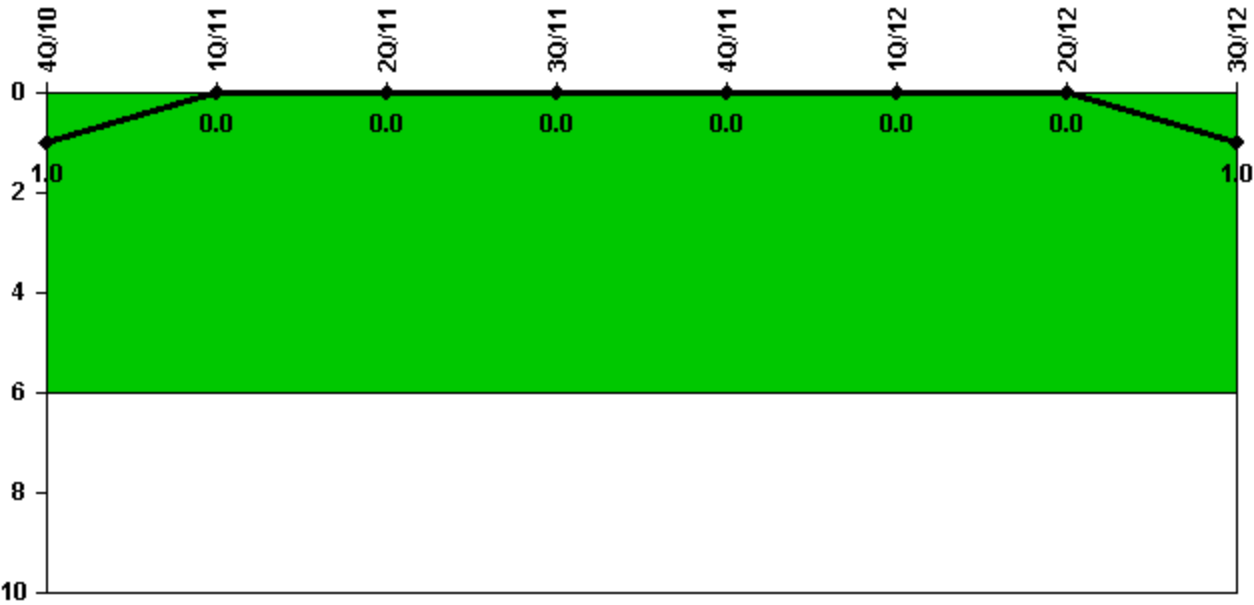
Thresholds: White > 1.0

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 (BWR)



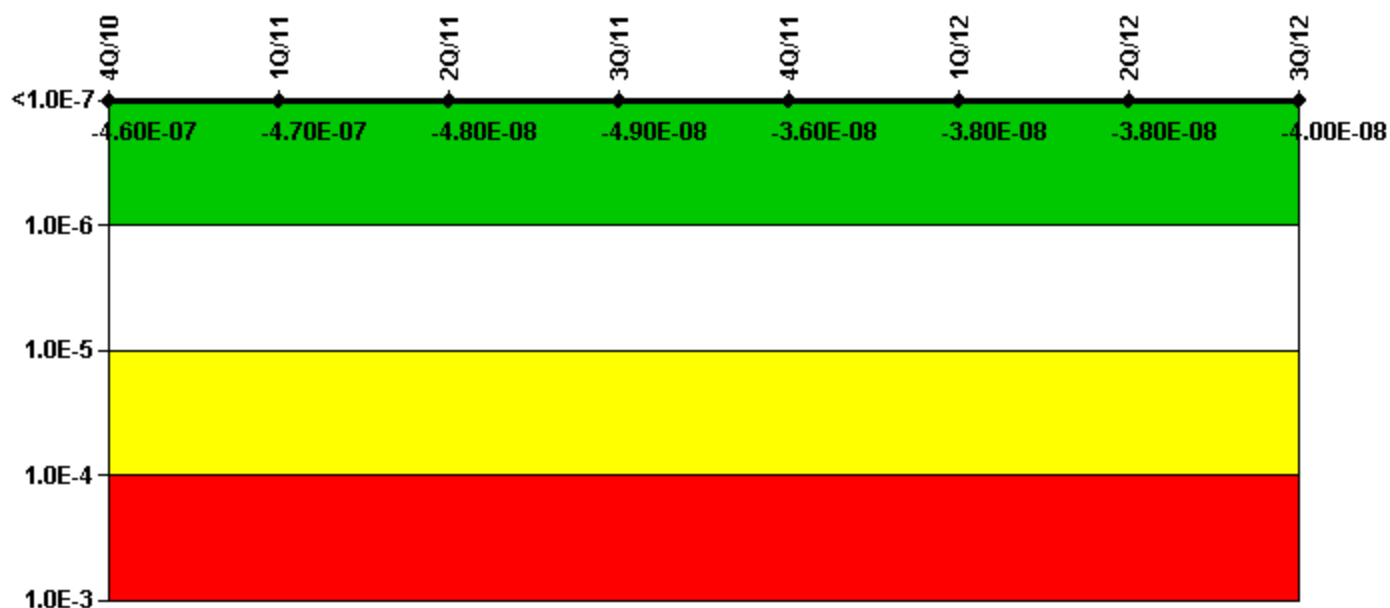
Thresholds: White > 6.0

Notes

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

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/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	8.43E-08	6.67E-08	1.23E-08	1.07E-08	2.43E-08	2.19E-08	2.26E-08	1.97E-08
URI (Δ CDF)	-5.41E-07	-5.41E-07	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-07	-4.70E-07	-4.80E-08	-4.90E-08	-3.60E-08	-3.80E-08	-3.80E-08	-4.00E-08

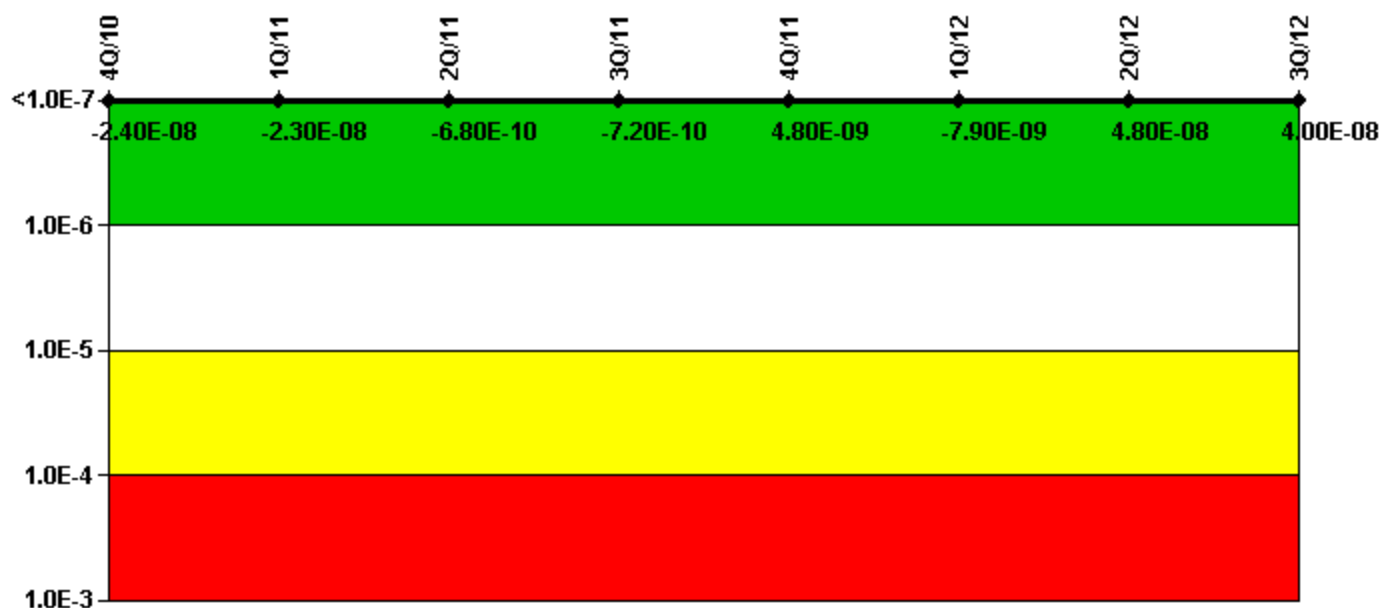
Licensee Comments:

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

1Q/11: Changed PRA Parameter(s). When using the What-If Mode to evaluate impact of new PRA parameters, an error occurred in CDE when saving Emergency AC Power Common Cause Adjustment Factors (CCF) - the parameters were inappropriately applied to the Production Mode. This caused the System-Generated PI Comment to be created. The CCFs in Production mode were returned to the correct values.

4Q/10: 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

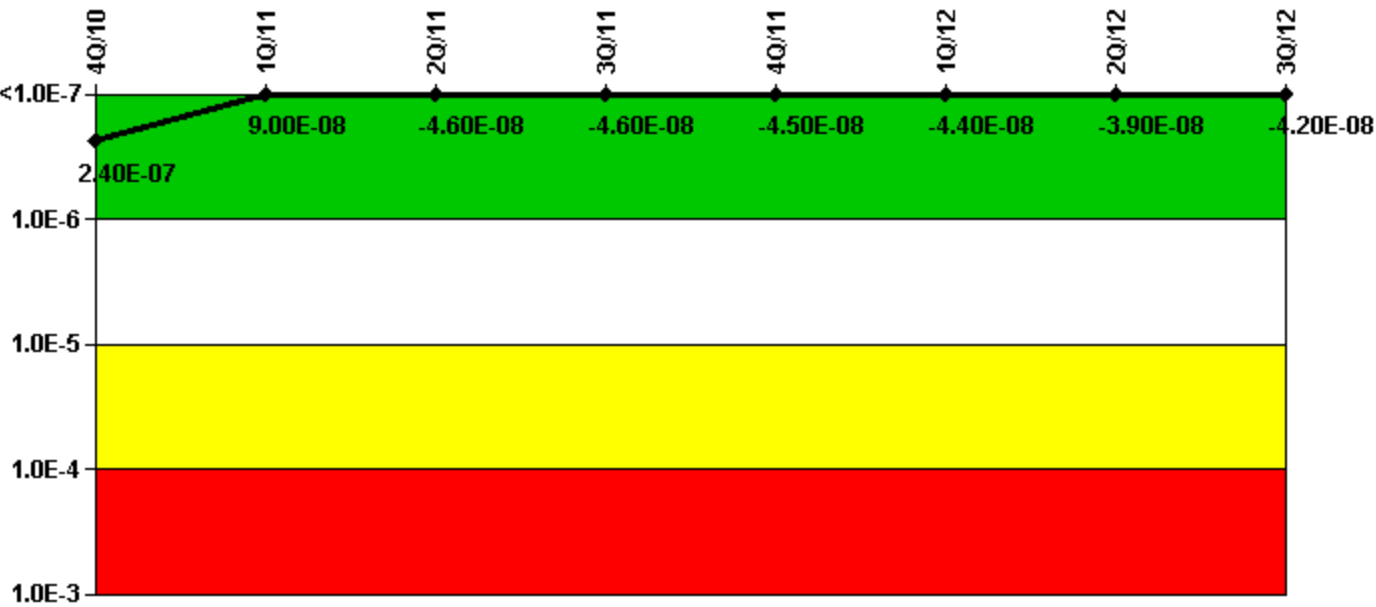
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	3.20E-08	3.27E-08	6.19E-08	6.19E-08	6.74E-08	5.47E-08	1.11E-07	1.02E-07
URI (Δ CDF)	-5.57E-08	-5.57E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.40E-08	-2.30E-08	-6.80E-10	-7.20E-10	4.80E-09	-7.90E-09	4.80E-08	4.00E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Heat Removal System



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

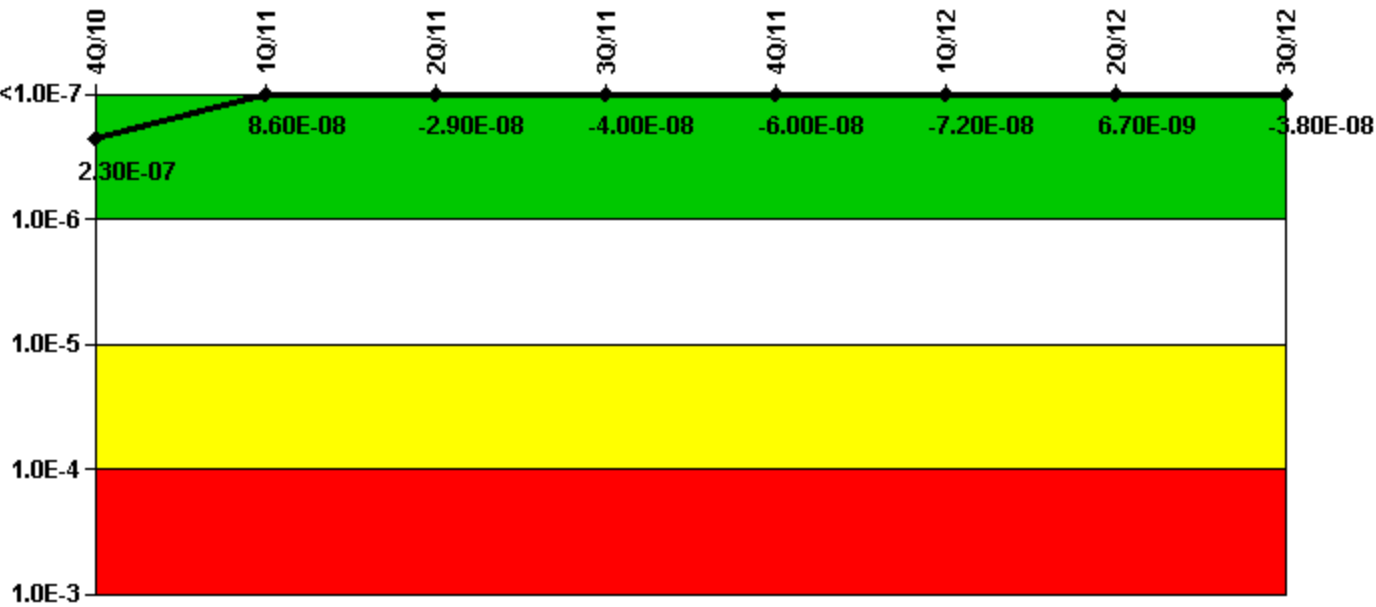
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	3.11E-08	-1.53E-09	-5.20E-09	-5.20E-09	-5.03E-09	-3.71E-09	1.79E-09	-1.37E-09
URI (ΔCDF)	2.11E-07	9.18E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.40E-07	9.00E-08	-4.60E-08	-4.60E-08	-4.50E-08	-4.40E-08	-3.90E-08	-4.20E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Residual Heat Removal System



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

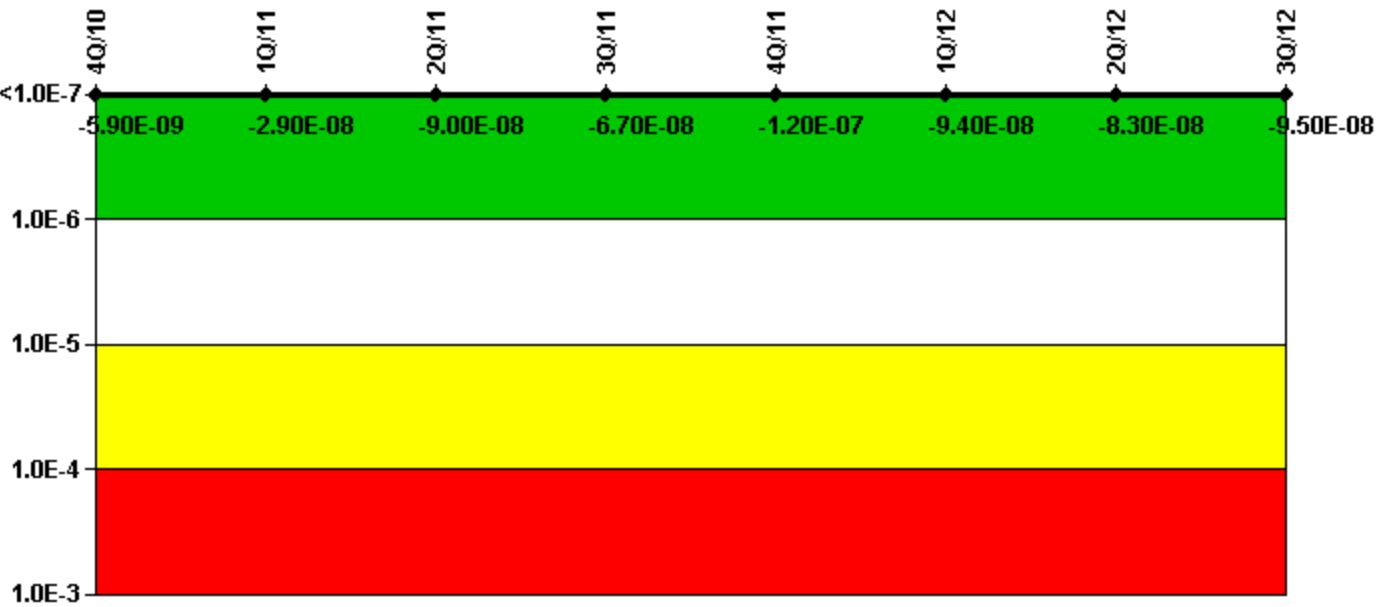
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	2.67E-07	1.25E-07	5.15E-08	4.01E-08	2.02E-08	8.46E-09	8.71E-08	4.28E-08
URI (ΔCDF)	-3.90E-08	-3.90E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.30E-07	8.60E-08	-2.90E-08	-4.00E-08	-6.00E-08	-7.20E-08	6.70E-09	-3.80E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Cooling Water Systems



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

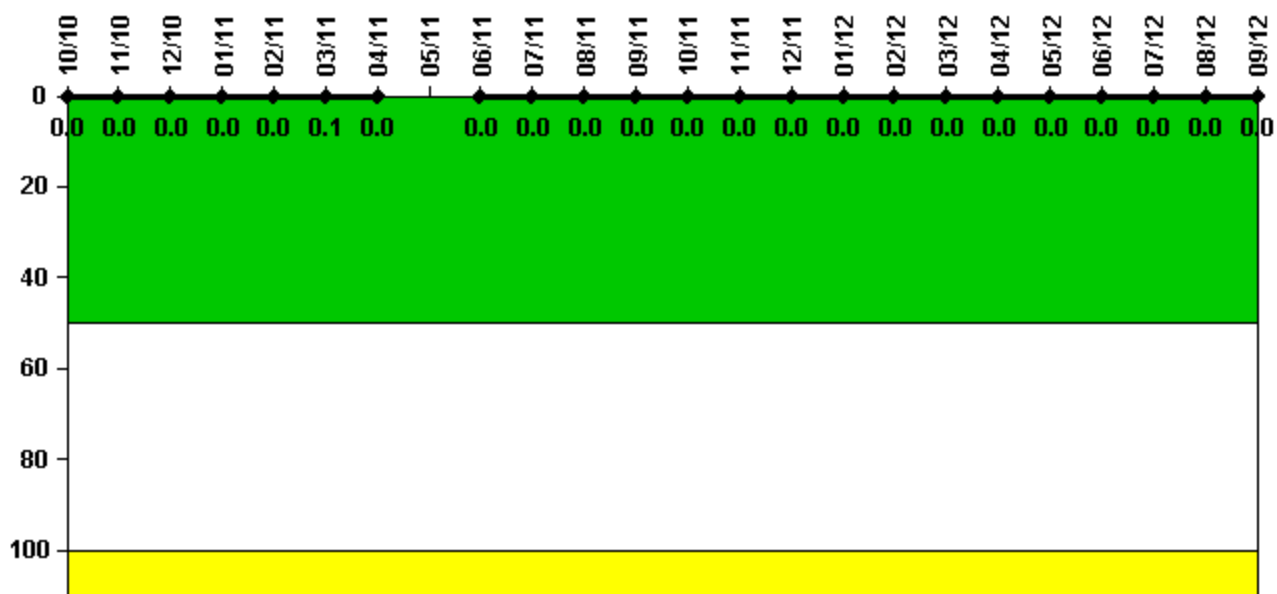
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	3.09E-08	7.45E-09	-4.98E-08	-2.63E-08	-7.59E-08	-5.39E-08	-4.20E-08	-5.41E-08
URI (ΔCDF)	-3.68E-08	-3.68E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.90E-09	-2.90E-08	-9.00E-08	-6.70E-08	-1.20E-07	-9.40E-08	-8.30E-08	-9.50E-08

Licensee Comments:

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

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

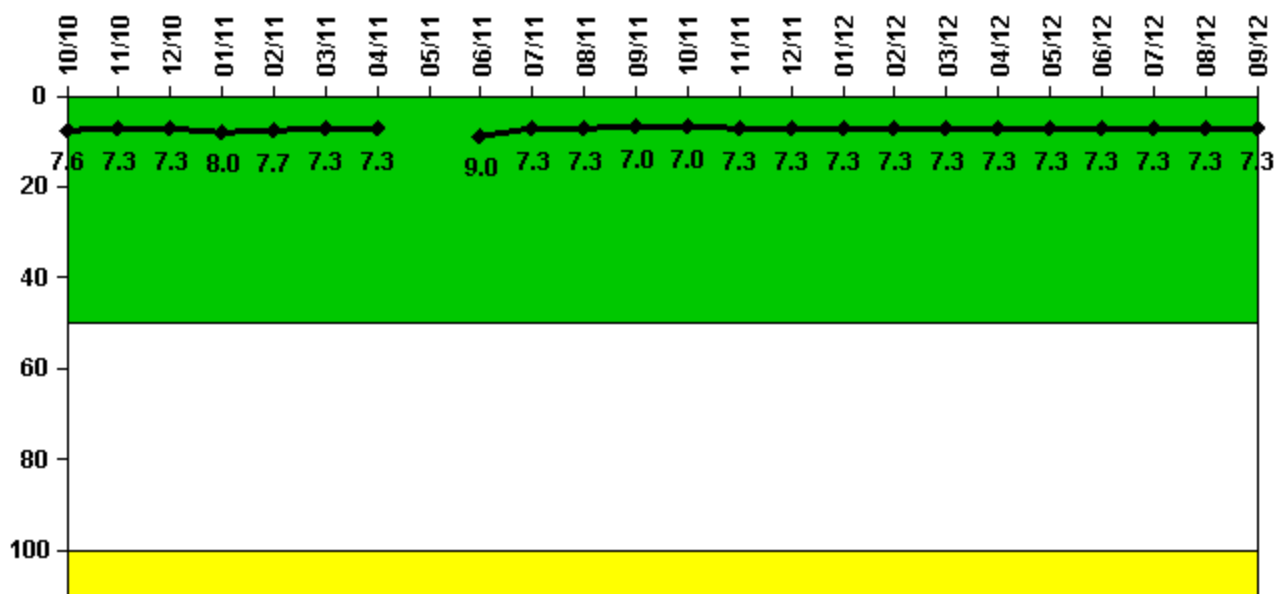
Notes

Reactor Coolant System Activity	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	0.000026	0.000029	0.000026	0.000027	0.000025	0.000201	0.000042	N/A	0.000024	0.000024	0.000041	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0.1	0	N/A	0	0	0	0

Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000020	0.000022	0.000024	0.000037	0.000045	0.000043	0.000026	0.000029	0.000032	0.000030	0.000028	0.000029
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



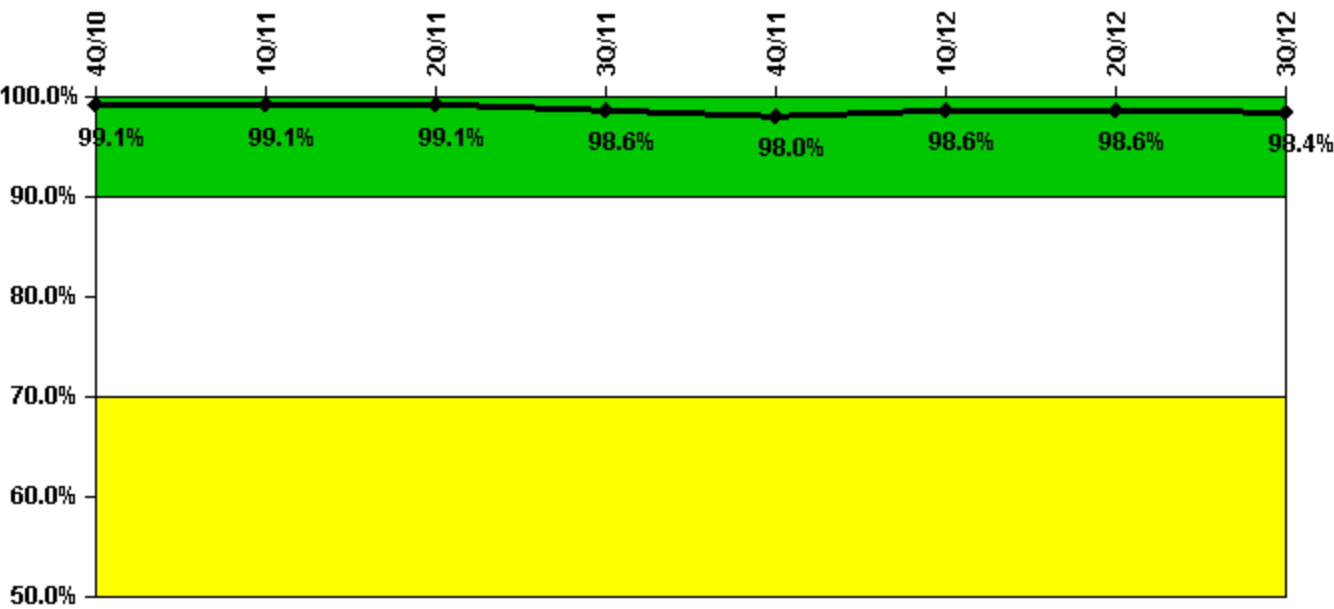
Thresholds: White > 50.0 Yellow > 100.0

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	2.290	2.190	2.190	2.410	2.300	2.200	2.200	N/A	2.700	2.200	2.200	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.6	7.3	7.3	8.0	7.7	7.3	7.3	N/A	9.0	7.3	7.3	7.0
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	2.090	2.180	2.180	2.180	2.200	2.200	2.190	2.190	2.190	2.190	2.180	2.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3

Licensee Comments: none

Drill/Exercise Performance



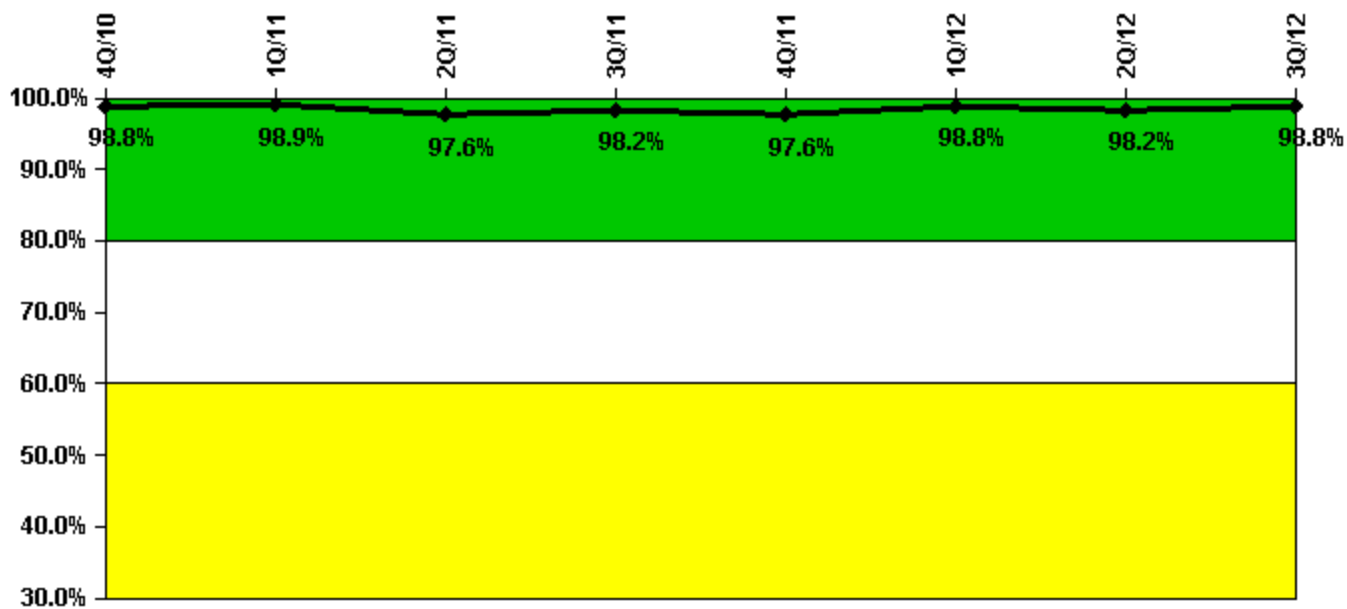
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	21.0	31.0	0	21.0	21.0	46.0	22.0	25.0
Total opportunities	21.0	31.0	0	22.0	22.0	46.0	22.0	26.0
Indicator value	99.1%	99.1%	99.1%	98.6%	98.0%	98.6%	98.6%	98.4%

Licensee Comments: none

ERO Drill Participation



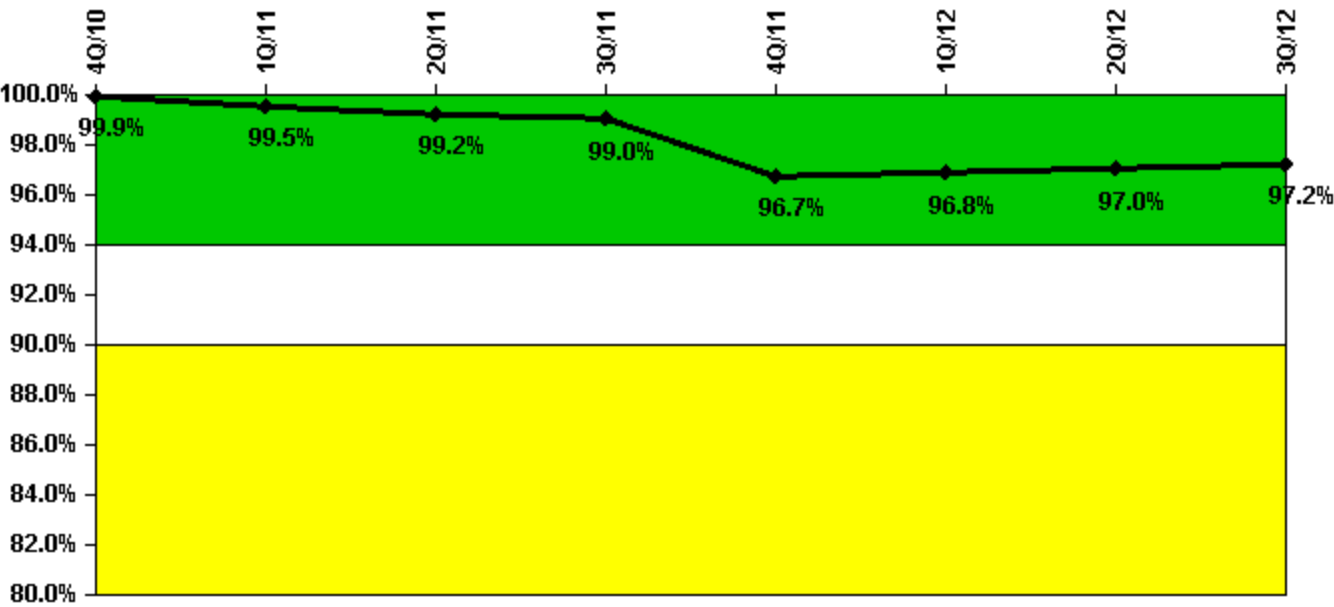
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	162.0	173.0	166.0	163.0	162.0	161.0	165.0	163.0
Total Key personnel	164.0	175.0	170.0	166.0	166.0	163.0	168.0	165.0
Indicator value	98.8%	98.9%	97.6%	98.2%	97.6%	98.8%	98.2%	98.8%

Licensee Comments: none

Alert & Notification System



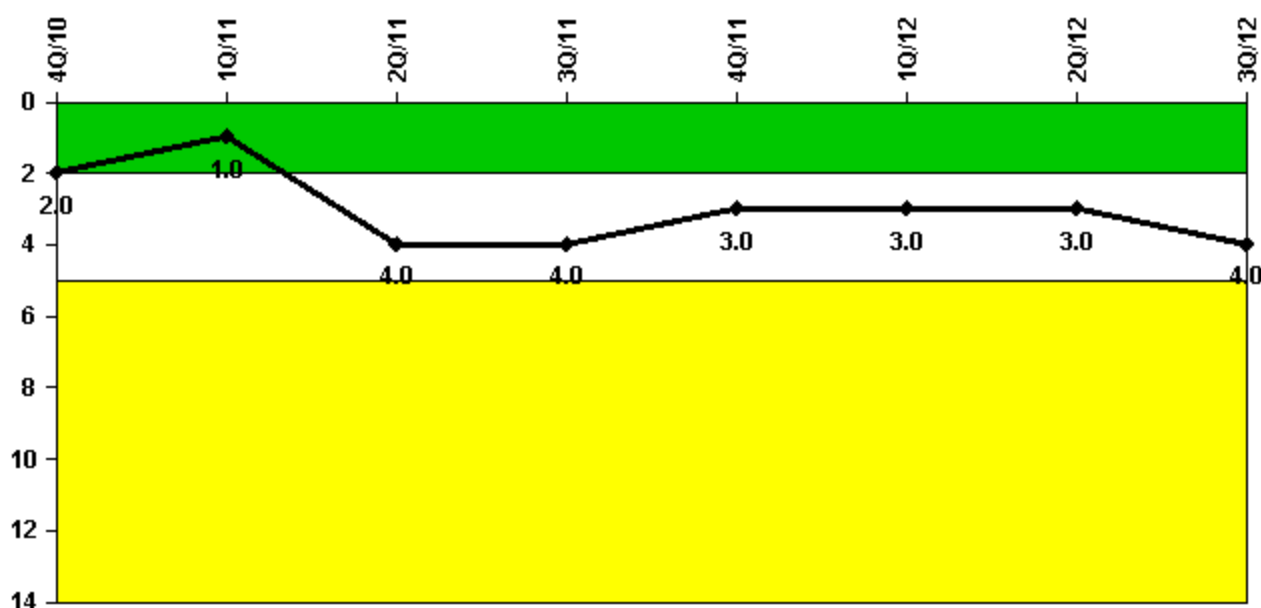
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	532	523	525	527	483	525	530	520
Total sirens-tests	532	532	532	532	532	532	532	521
Indicator value	99.9%	99.5%	99.2%	99.0%	96.7%	96.8%	97.0%	97.2%

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	1	0	3	0	0	0	3	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	2	1	4	4	3	3	3	4

Licensee Comments:

3Q/12: The 2012-09 PI occurrence for potential inadequate LHRA controls established for a loaded HI-STORM container is currently being evaluated at the root cause level. The PI value may change depending on results of the root cause evaluation.

2Q/12: The number of TS HRA occurrences reported for June remains under evaluation at this time. A Frequently Asked Question (FAQ) submittal is planned to address the associated issues, which include having the same cause in a common time frame for the occurrences. The PI value may be modified as a result. With submittal of the Second Quarter 2012 PI data, the indicator performance has exceeded the green/white threshold and has moved to the Increased Regulatory Response Band. The PI color is WHITE.

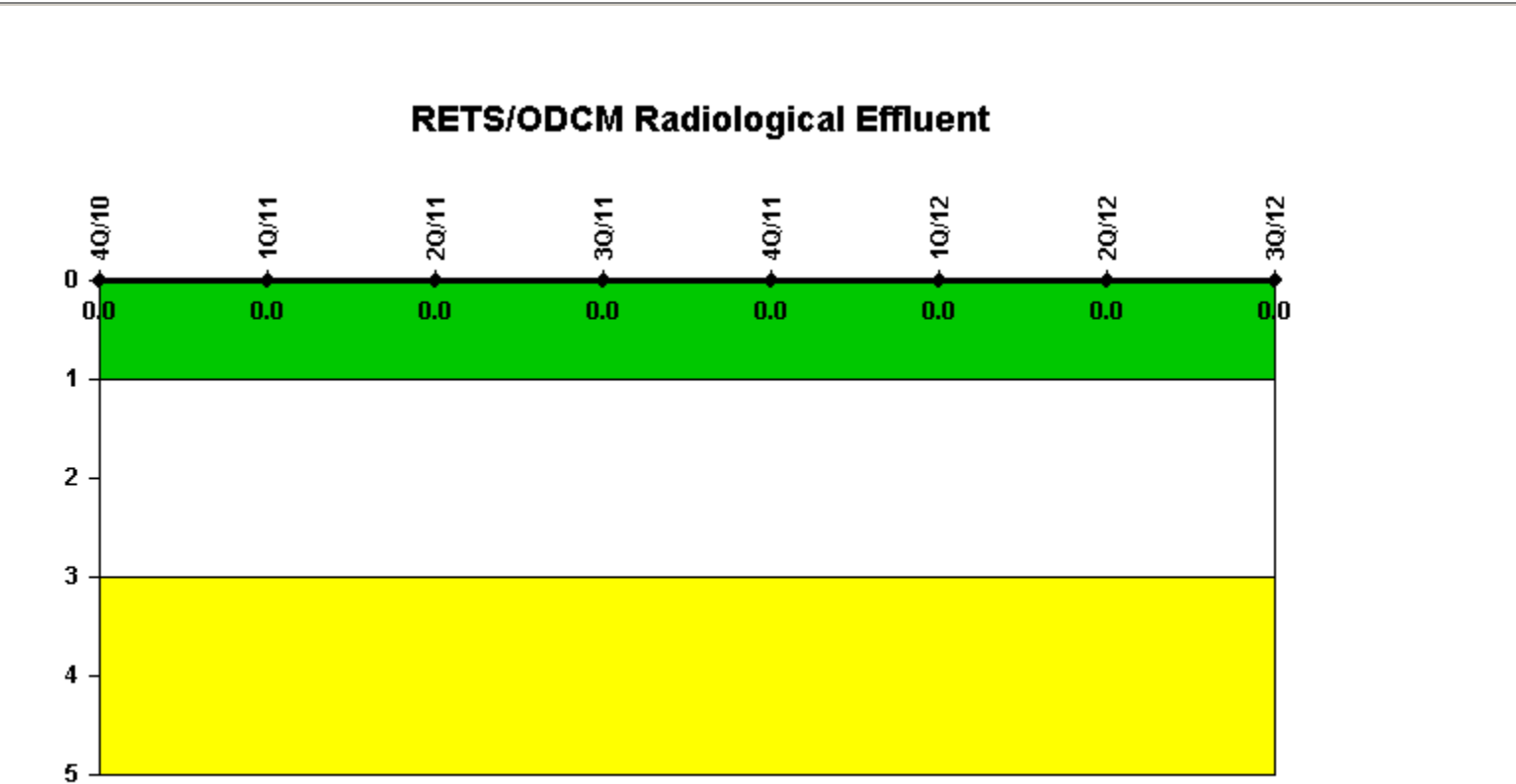
2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction.

2Q/11: OR01 indicator performance is in the Increased Regulatory Response Band (White). Changed the number

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

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

4Q/10: The High radiation area occurrence reported for November 2010 caused re-review of a March 12, 2010, occurrence where a radworker entered a Technical Specification High Radiation Area (TSHRA) where no briefing on radiological conditions was provided and received a dose rate alarm. This occurrence was determined to represent a loss of control of work in a TSHRA and is to be counted under the PI. A change file was prepared to correct the March 2010 PI data reported. The indicator color remains green. The indicator value is at the Increased Regulatory Response Band Threshold (2).



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](#)

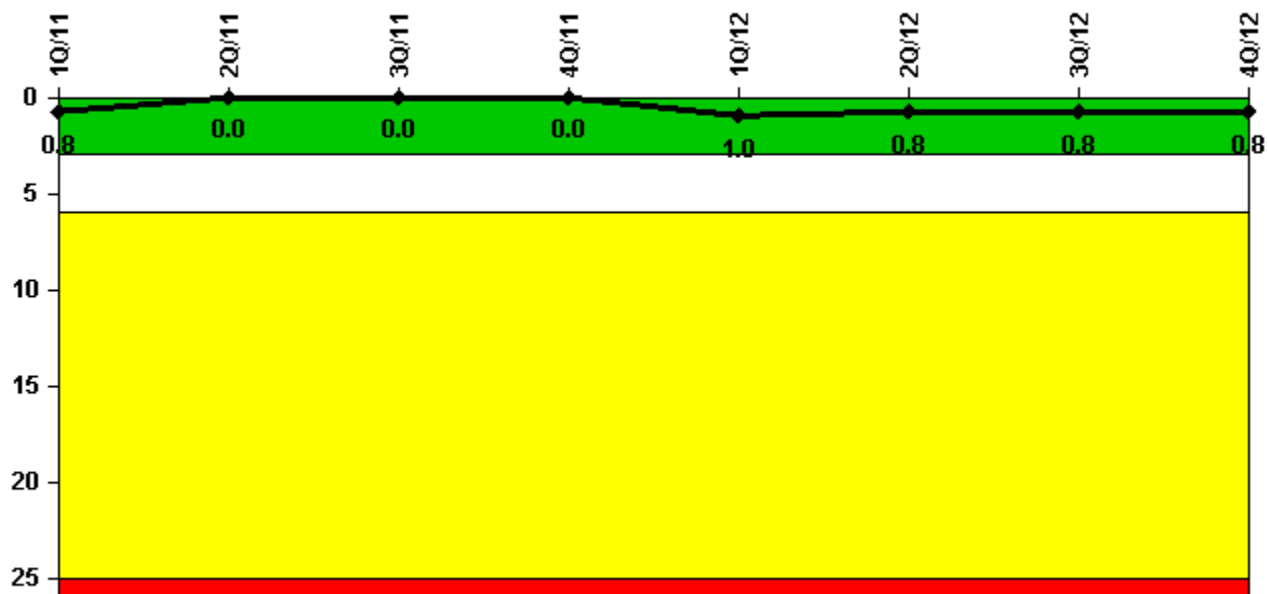
Last Modified: October 24, 2012

Perry 1

4Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



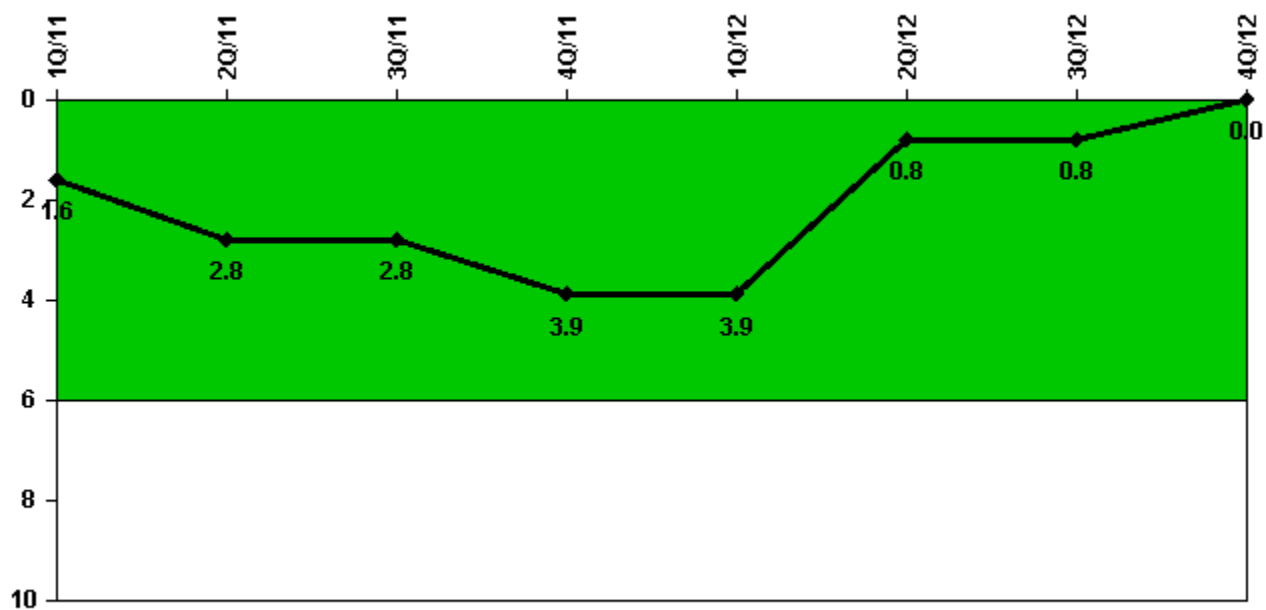
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2159.0	1022.4	2208.0	1831.6	2131.0	2111.7	2208.0	2209.0
Indicator value	0.8	0	0	0	1.0	0.8	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



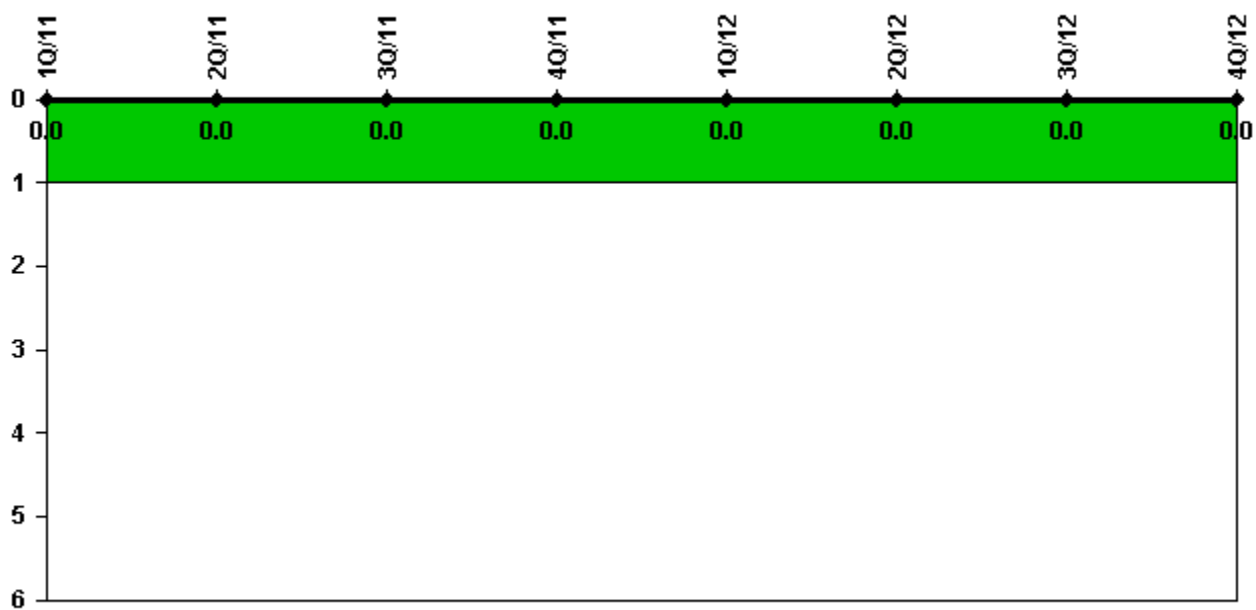
Thresholds: White > 6.0

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	3.0	0	1.0	0	0	0	0
Critical hours	2159.0	1022.4	2208.0	1831.6	2131.0	2111.7	2208.0	2209.0
Indicator value	1.6	2.8	2.8	3.9	3.9	0.8	0.8	0

Licensee Comments: none

Unplanned Scrams with Complications



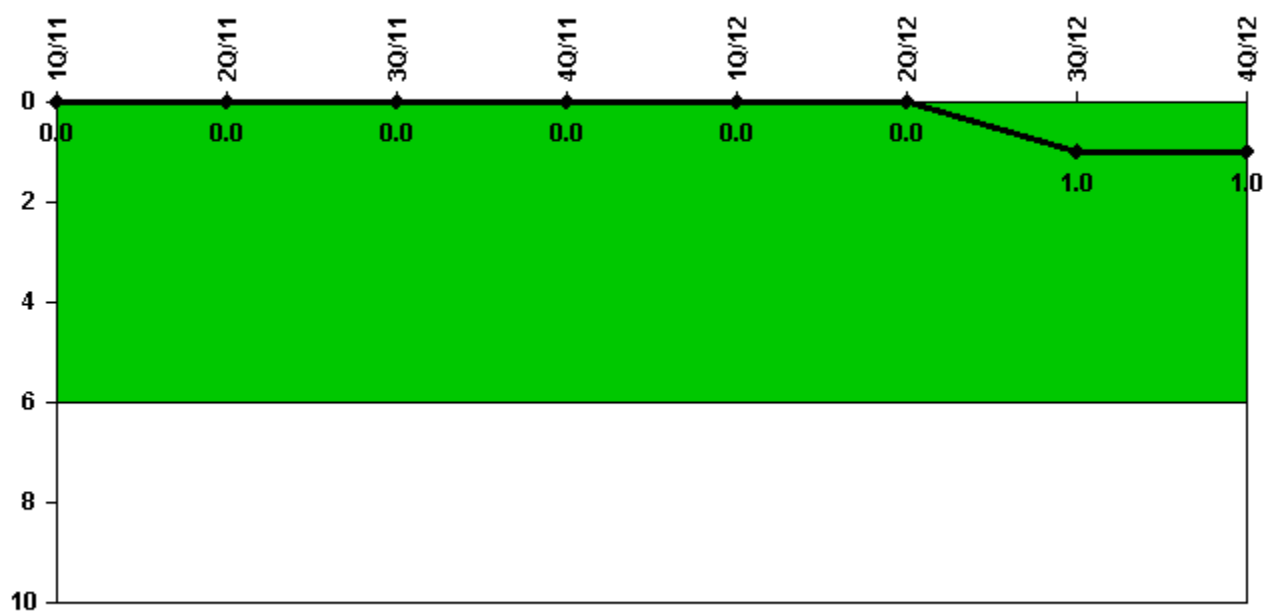
Thresholds: White > 1.0

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 (BWR)



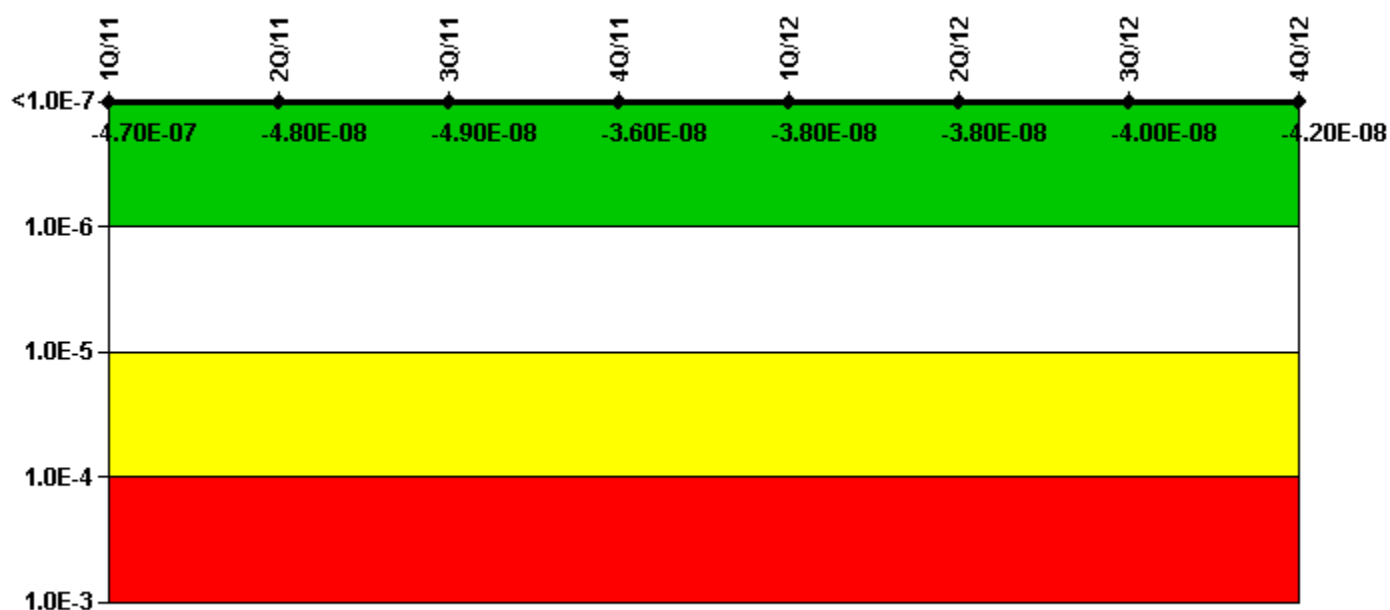
Thresholds: White > 6.0

Notes

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

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

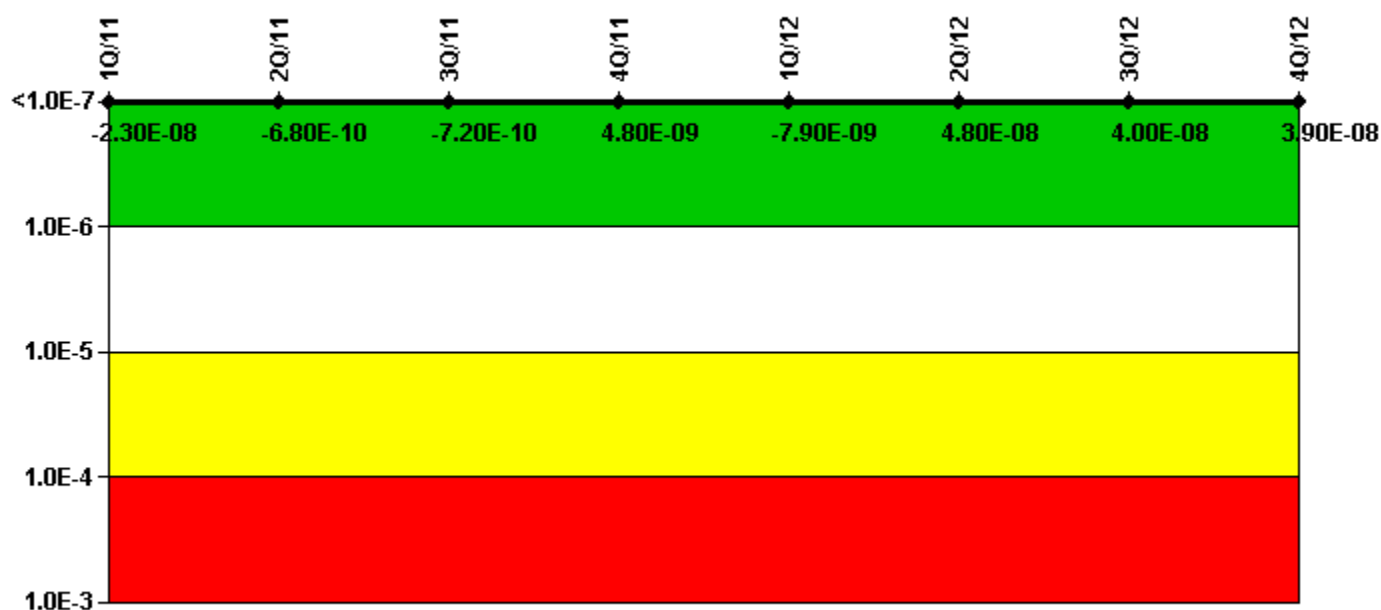
Mitigating Systems Performance Index, Emergency AC Power System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	6.67E-08	1.23E-08	1.07E-08	2.43E-08	2.19E-08	2.26E-08	1.97E-08	4.00E-08
URI (Δ CDF)	-5.41E-07	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-8.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.70E-07	-4.80E-08	-4.90E-08	-3.60E-08	-3.80E-08	-3.80E-08	-4.00E-08	-4.20E-08

Licensee Comments:

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

1Q/11: Changed PRA Parameter(s). When using the What-If Mode to evaluate impact of new PRA parameters, an error occurred in CDE when saving Emergency AC Power Common Cause Adjustment Factors (CCF) - the parameters were inappropriately applied to the Production Mode. This caused the System-Generated PI Comment to be created. The CCFs in Production mode were returned to the correct values.

Mitigating Systems Performance Index, High Pressure Injection System



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

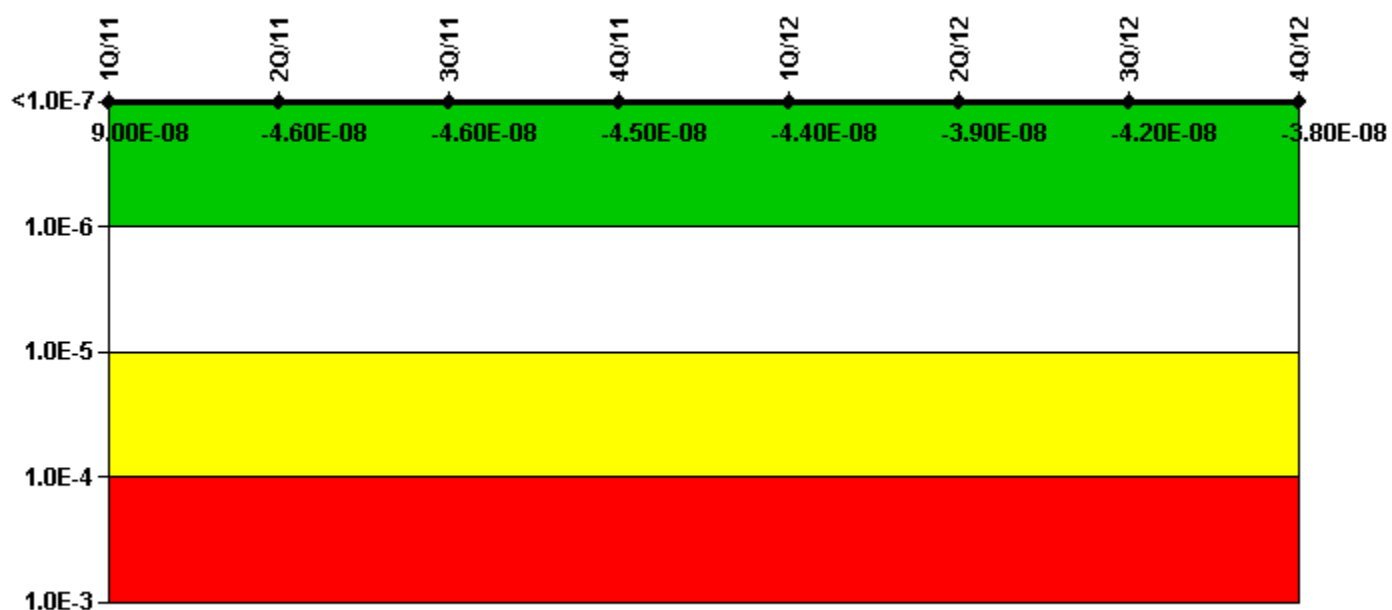
Notes

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)	3.27E-08	6.19E-08	6.19E-08	6.74E-08	5.47E-08	1.11E-07	1.02E-07	9.77E-08
URI (Δ CDF)	-5.57E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-5.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-08	-6.80E-10	-7.20E-10	4.80E-09	-7.90E-09	4.80E-08	4.00E-08	3.90E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Heat Removal System



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

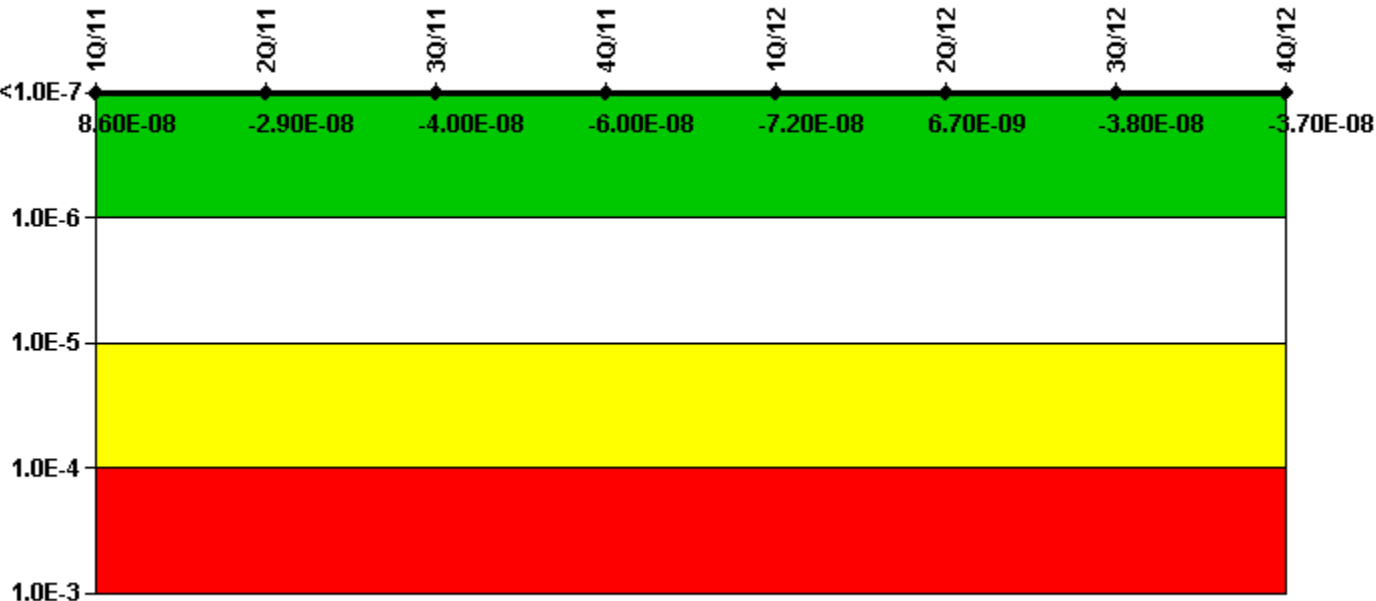
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-1.53E-09	-5.20E-09	-5.20E-09	-5.03E-09	-3.71E-09	1.79E-09	-1.37E-09	4.38E-09
URI (Δ CDF)	9.18E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.00E-08	-4.60E-08	-4.60E-08	-4.50E-08	-4.40E-08	-3.90E-08	-4.20E-08	-3.80E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Residual Heat Removal System



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

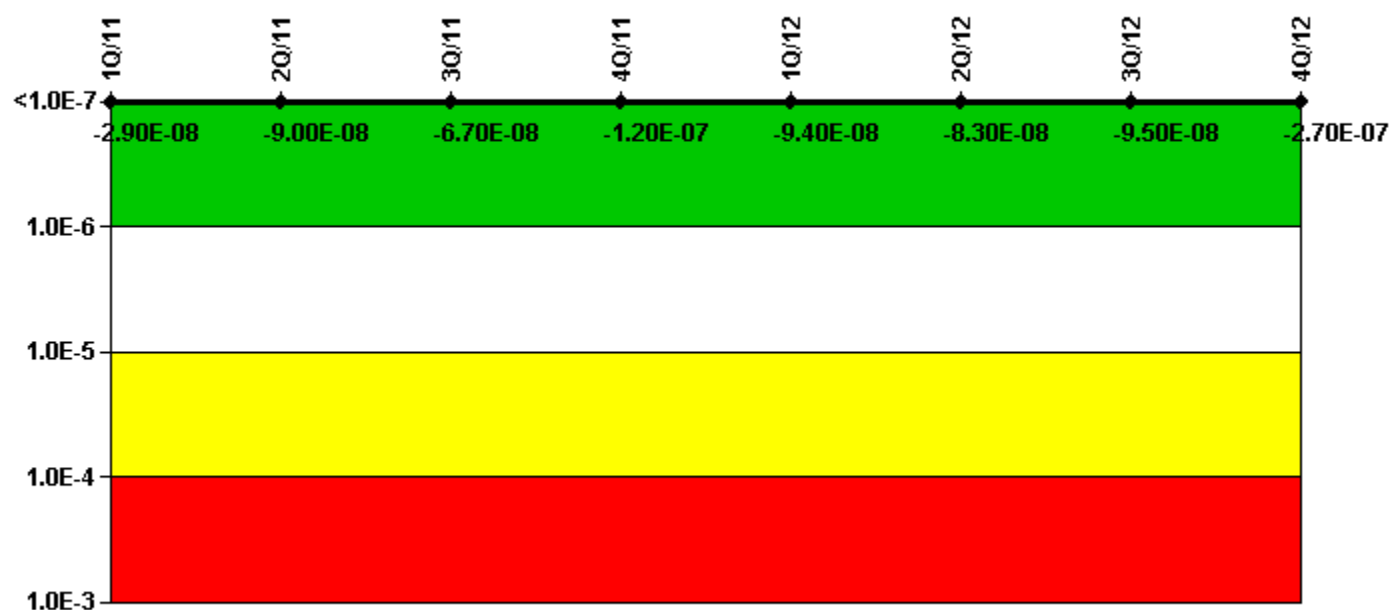
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.25E-07	5.15E-08	4.01E-08	2.02E-08	8.46E-09	8.71E-08	4.28E-08	4.14E-08
URI (ΔCDF)	-3.90E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-7.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.60E-08	-2.90E-08	-4.00E-08	-6.00E-08	-7.20E-08	6.70E-09	-3.80E-08	-3.70E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Cooling Water Systems



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

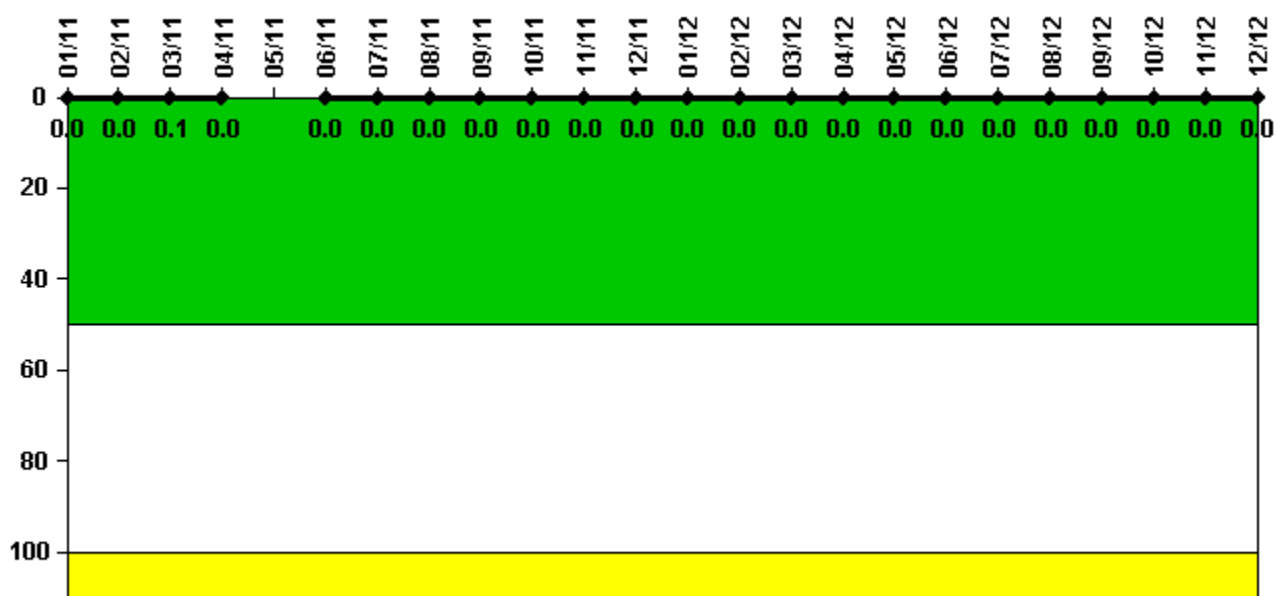
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	7.45E-09	-4.98E-08	-2.63E-08	-7.59E-08	-5.39E-08	-4.20E-08	-5.41E-08	-3.91E-08
URI (Δ CDF)	-3.68E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-2.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	-9.00E-08	-6.70E-08	-1.20E-07	-9.40E-08	-8.30E-08	-9.50E-08	-2.70E-07

Licensee Comments:

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

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

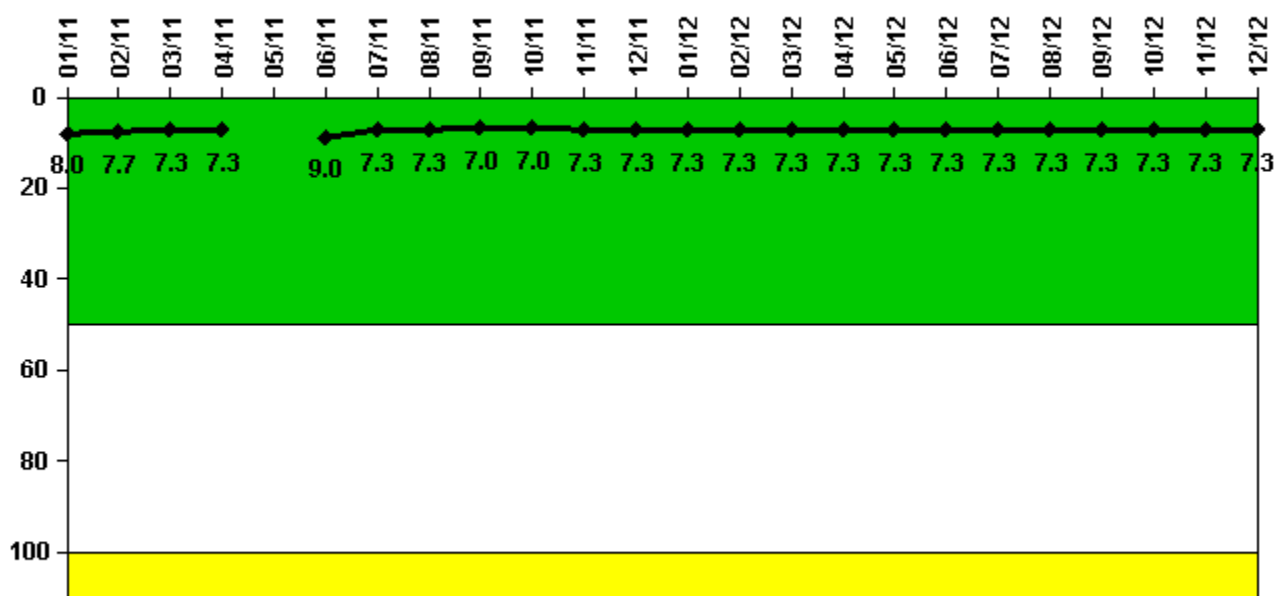
Notes

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	0.000027	0.000025	0.000201	0.000042	N/A	0.000024	0.000024	0.000041	0.000023	0.000020	0.000022	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0.1	0	N/A	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	0.000037	0.000045	0.000043	0.000026	0.000029	0.000032	0.000030	0.000028	0.000029	0.000039	0.000027	0.000031
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage

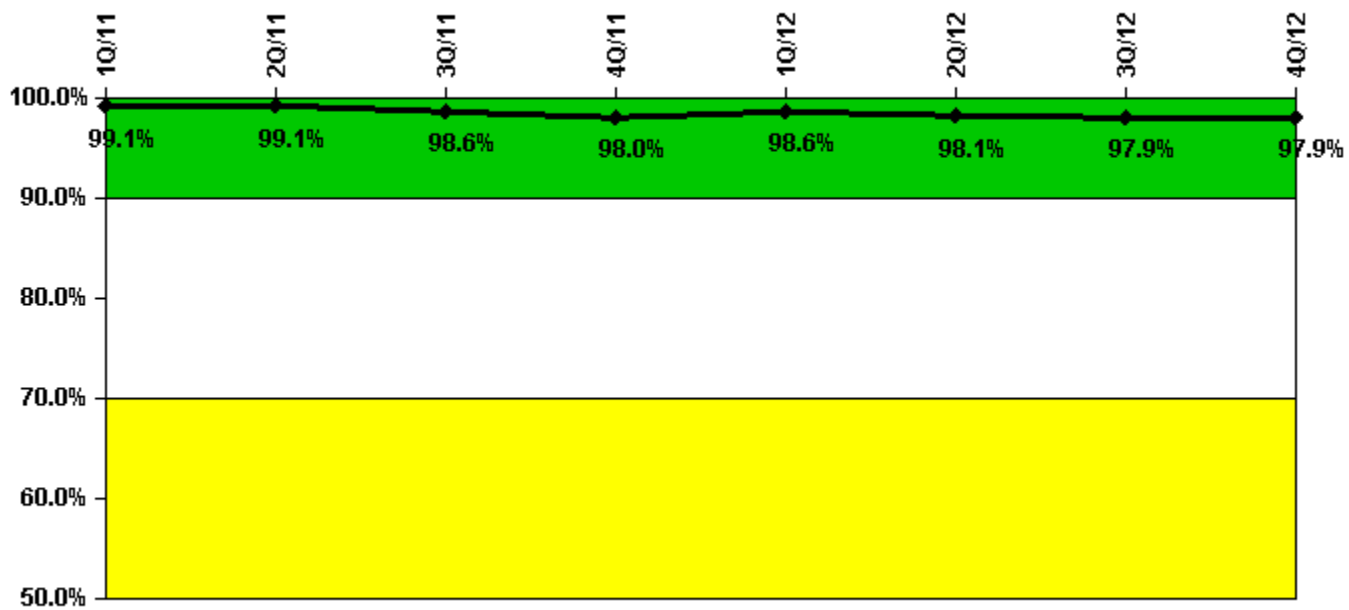


Thresholds: White > 50.0 Yellow > 100.0

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	2.410	2.300	2.200	2.200	N/A	2.700	2.200	2.200	2.100	2.090	2.180	2.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.0	7.7	7.3	7.3	N/A	9.0	7.3	7.3	7.0	7.0	7.3	7.3
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	2.180	2.200	2.200	2.190	2.190	2.190	2.190	2.180	2.180	2.200	2.200	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3

Licensee Comments: none

Drill/Exercise Performance

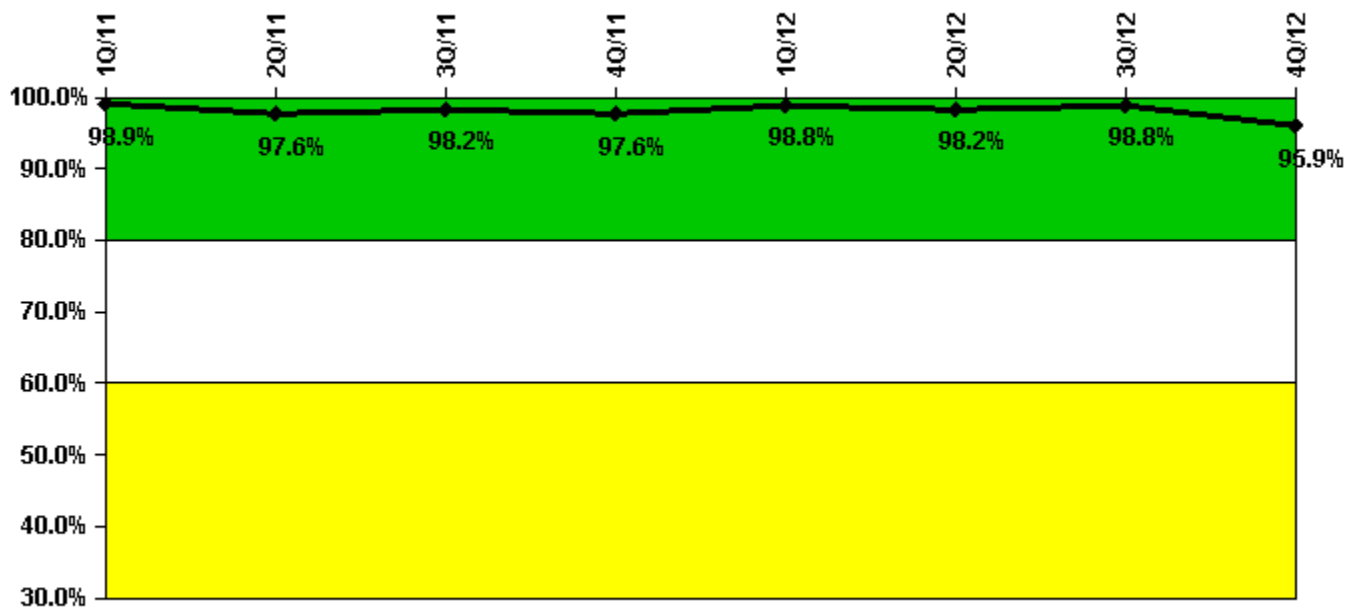
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	31.0	0	21.0	21.0	46.0	22.0	25.0	19.0
Total opportunities	31.0	0	22.0	22.0	46.0	23.0	26.0	19.0
Indicator value	99.1%	99.1%	98.6%	98.0%	98.6%	98.1%	97.9%	97.9%

Licensee Comments:

2Q/12: Corrected the number total opportunities from 2 to 3 initially reported for June 2012. Added a missed DEP opportunity for not declaring an Unusual Event for in-plant changing radiological conditions on June 3, 2012 that met EPlan entry criteria, discovered after the fact. PI color remains GREEN.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

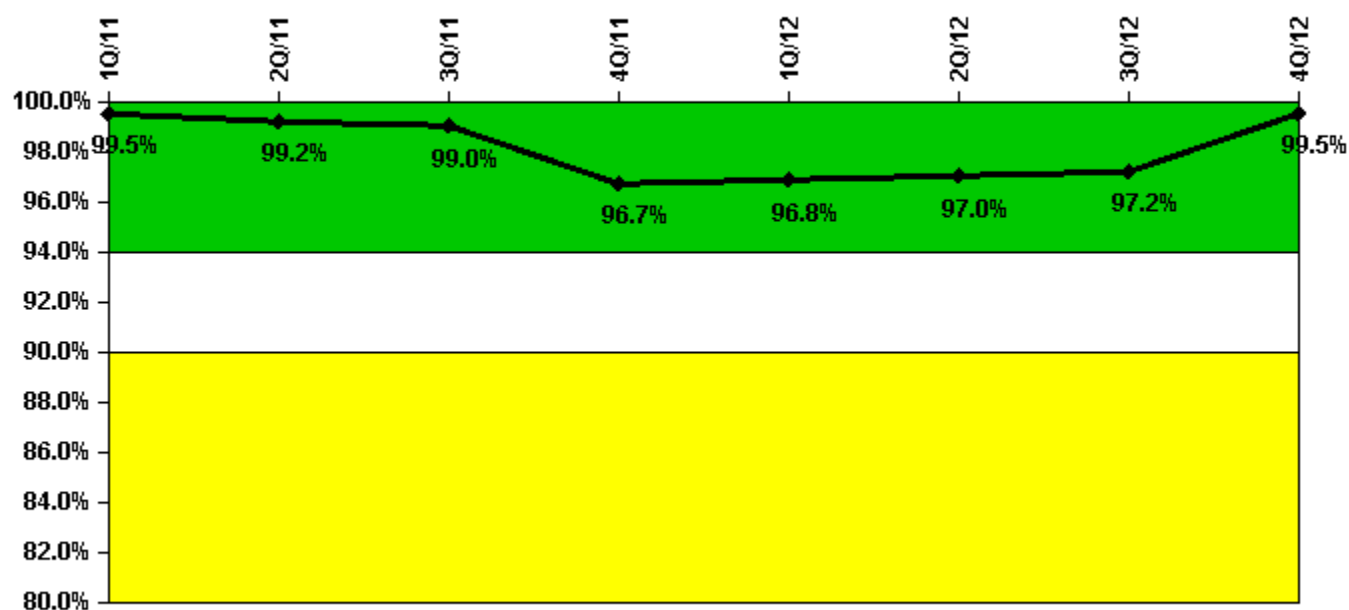
Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	173.0	166.0	163.0	162.0	161.0	165.0	162.0	163.0
Total Key personnel	175.0	170.0	166.0	166.0	163.0	168.0	164.0	170.0
Indicator value	98.9%	97.6%	98.2%	97.6%	98.8%	98.2%	98.8%	95.9%

Licensee Comments:

3Q/12: Changed the number of participating and total key ERO personnel initially reported in September 2012. An individual was removed from the key ERO population for unavailability to respond to an emergency event. PI color remains GREEN.

Alert & Notification System



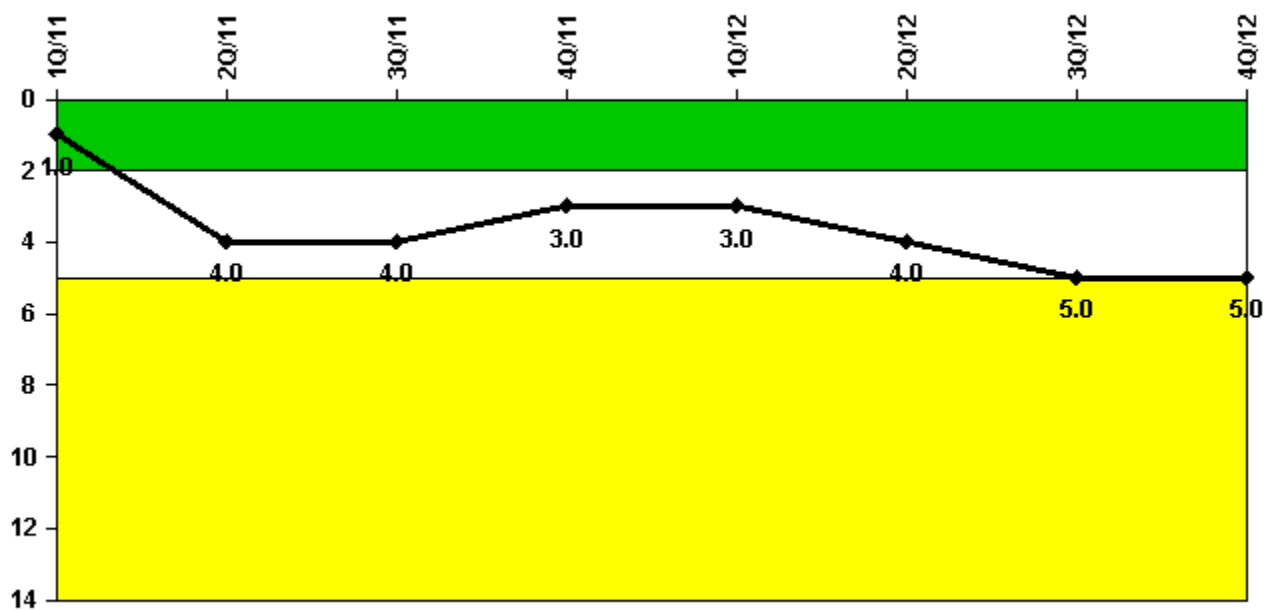
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	523	525	527	483	525	530	520	531
Total sirens-tests	532	532	532	532	532	532	521	532
Indicator value	99.5%	99.2%	99.0%	96.7%	96.8%	97.0%	97.2%	99.5%

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	3	0	0	0	4	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	4	4	3	3	4	5	5

Licensee Comments:

3Q/12: The 2012-09 PI occurrence for potential inadequate LHRA controls established for a loaded HI-STORM container is currently being evaluated at the root cause level. The PI value may change depending on results of the root cause evaluation.

2Q/12: The number of TS HRA occurrences reported for June remains under evaluation at this time. A Frequently Asked Question (FAQ) submittal is planned to address the associated issues, which include having the same cause in a common time frame for the occurrences. The PI value may be modified as a result. With submittal of the Second Quarter 2012 PI data, the indicator performance has exceeded the green/white threshold and has moved to the Increased Regulatory Response Band. The PI color is WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction.

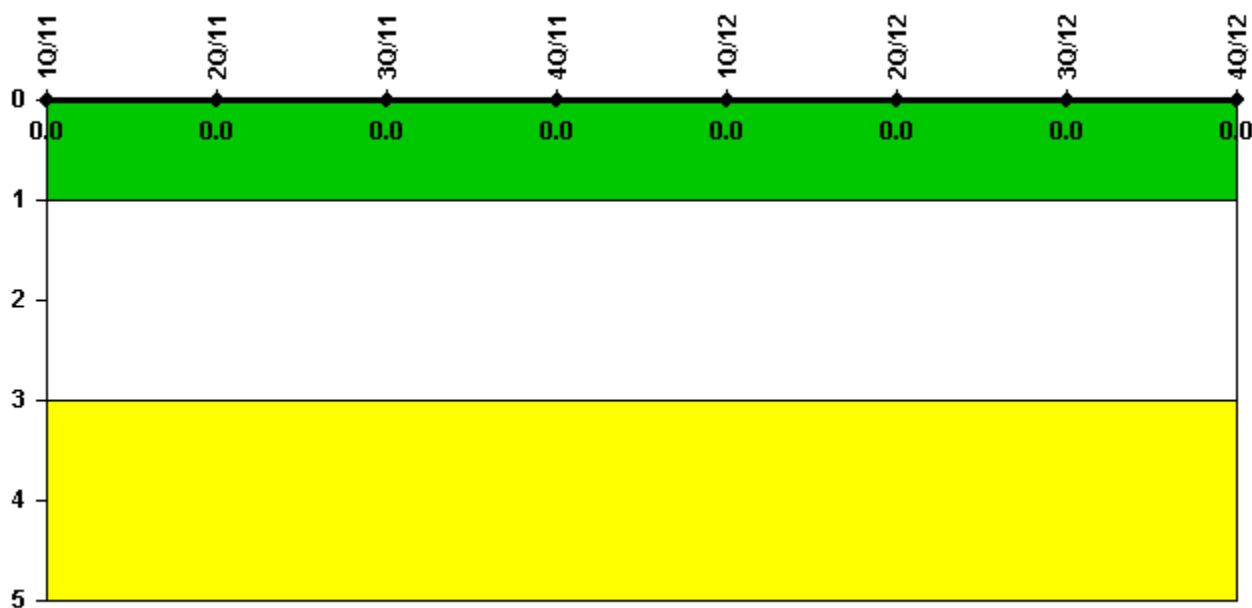
2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction. Corrected the number of TS HRA occurrences reported for April 2012 from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area in the plant which met TS HRA

conditions in April 2012 that was not controlled in accordance with TS. PI color remains WHITE.

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

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

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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: 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](#)

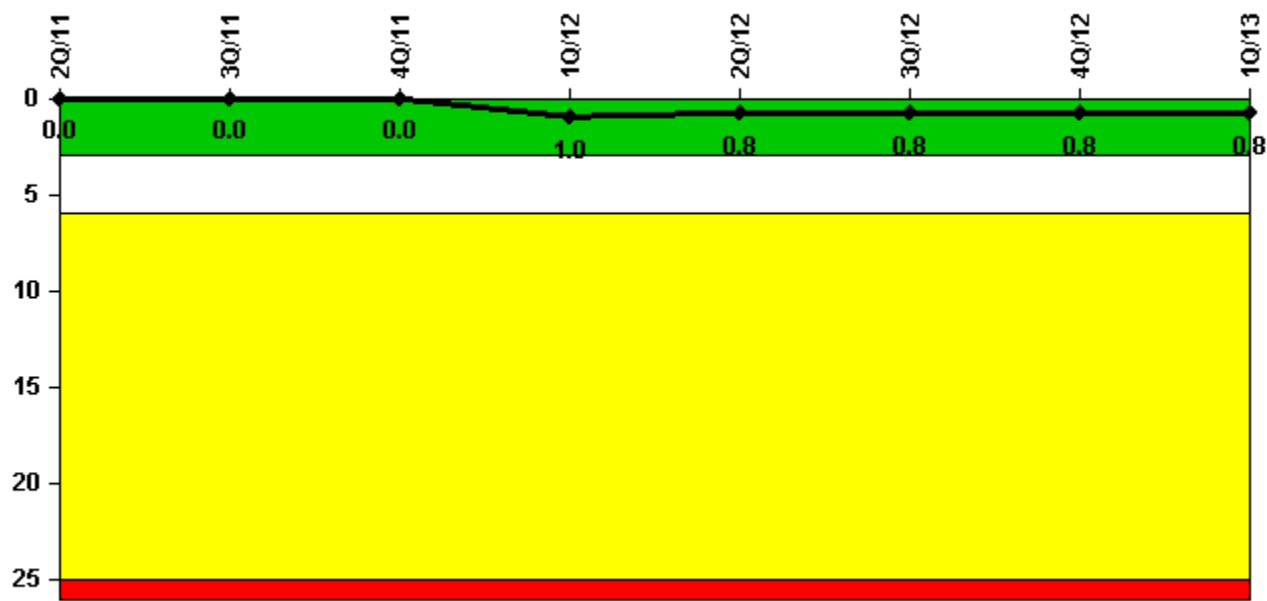
Last Modified: January 23, 2013

Perry 1

1Q/2013 Performance Indicators

Licensee's General Comments: This change incorporates FAQ 12-04.

Unplanned Scrams per 7000 Critical Hrs



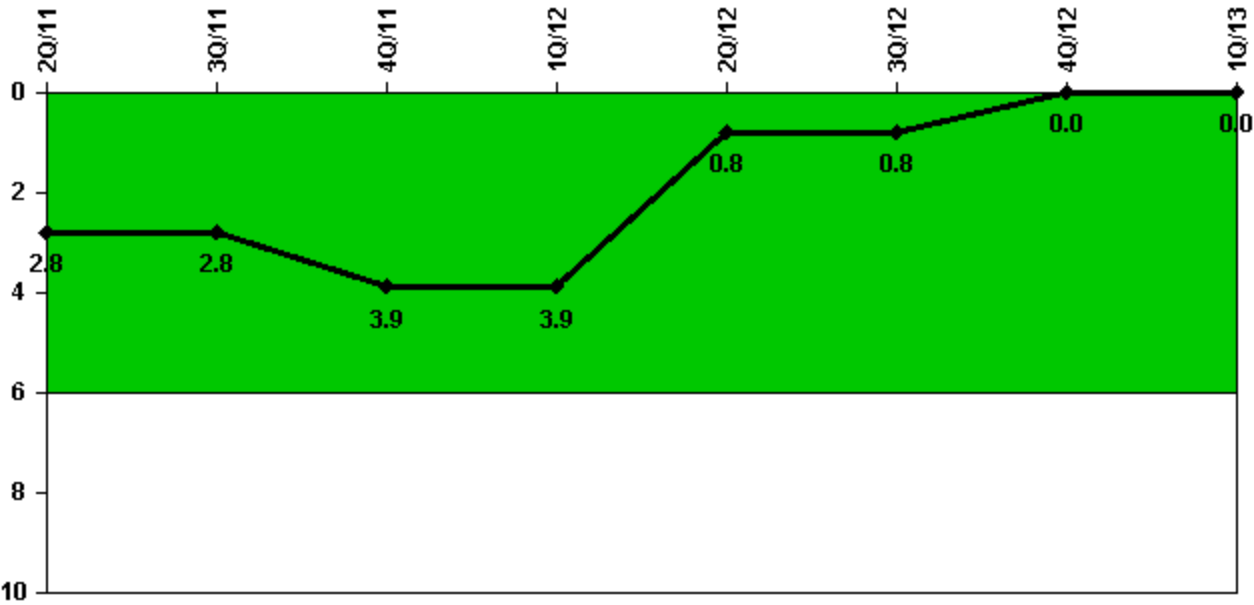
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0
Critical hours	1022.4	2208.0	1831.6	2131.0	2111.7	2208.0	2209.0	1719.9
Indicator value	0	0	0	1.0	0.8	0.8	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



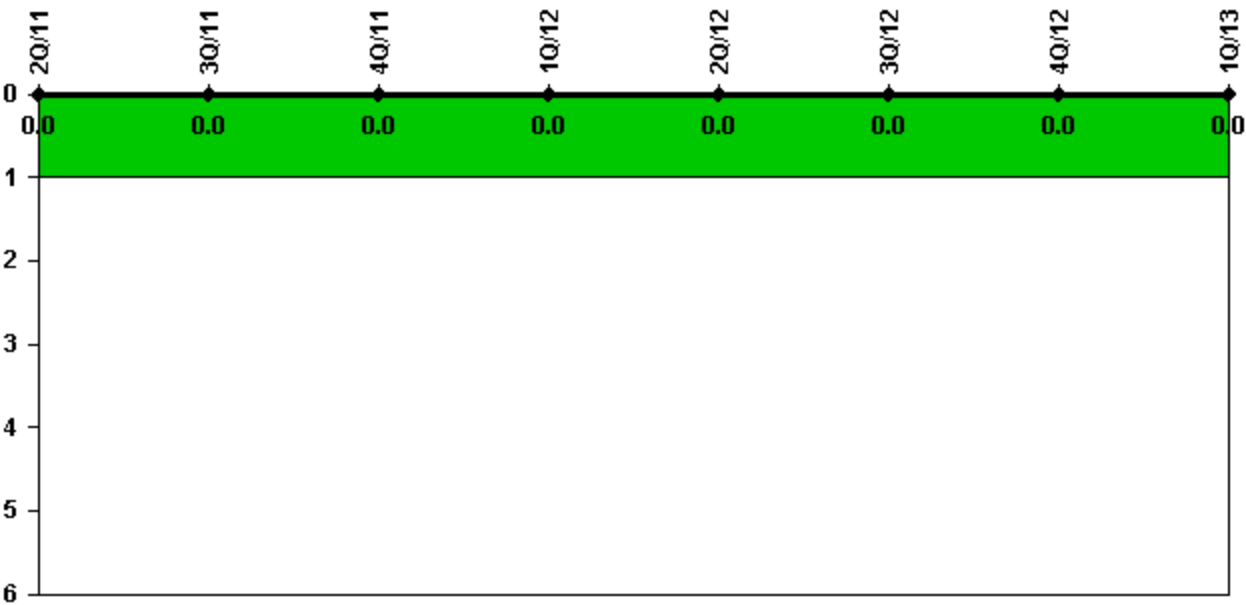
Thresholds: White > 6.0

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	3.0	0	1.0	0	0	0	0	0
Critical hours	1022.4	2208.0	1831.6	2131.0	2111.7	2208.0	2209.0	1719.9
Indicator value	2.8	2.8	3.9	3.9	0.8	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



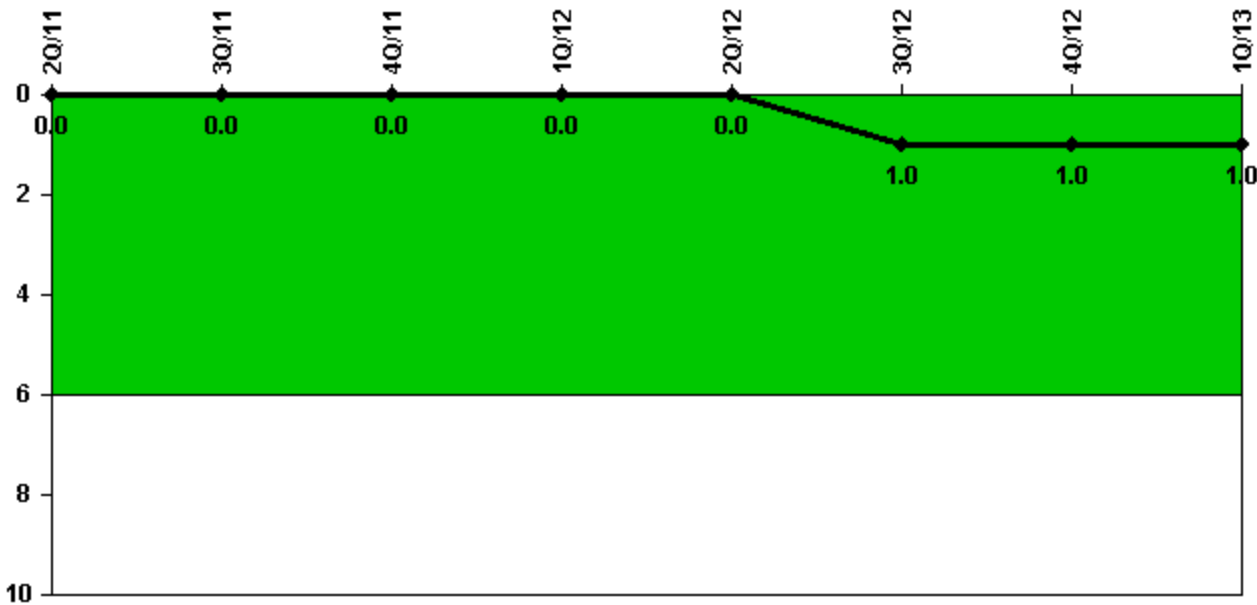
Thresholds: White > 1.0

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: none

Safety System Functional Failures (BWR)



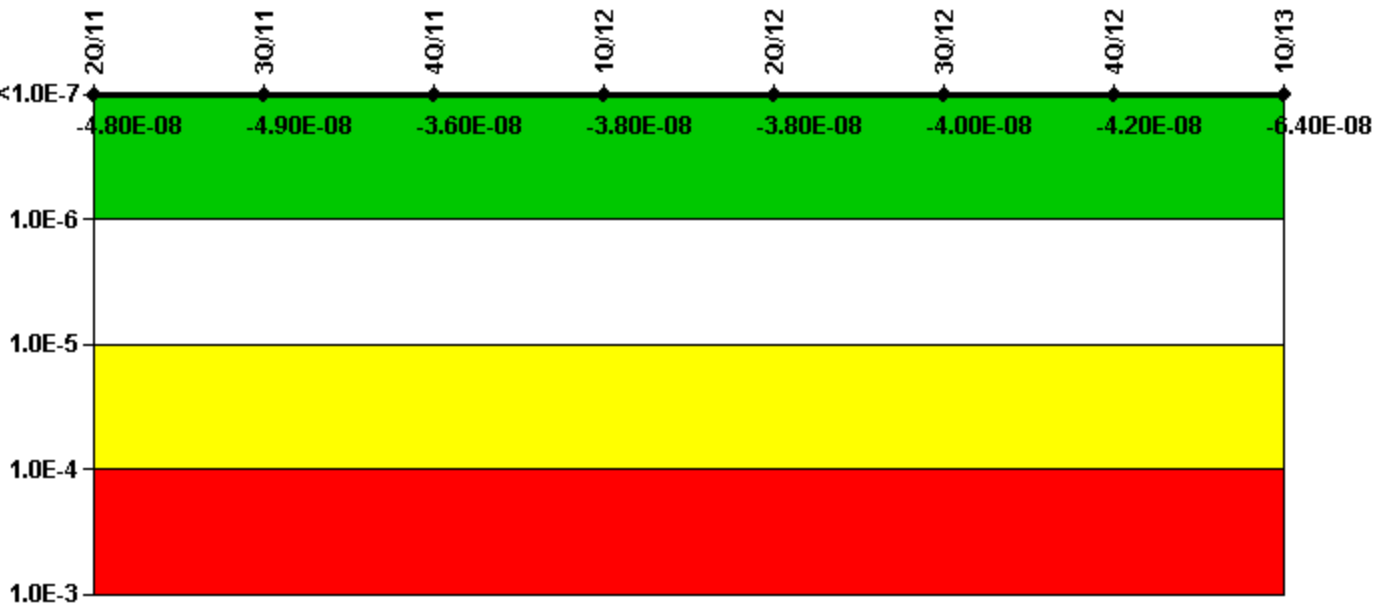
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	0	0	0	0	0	1	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

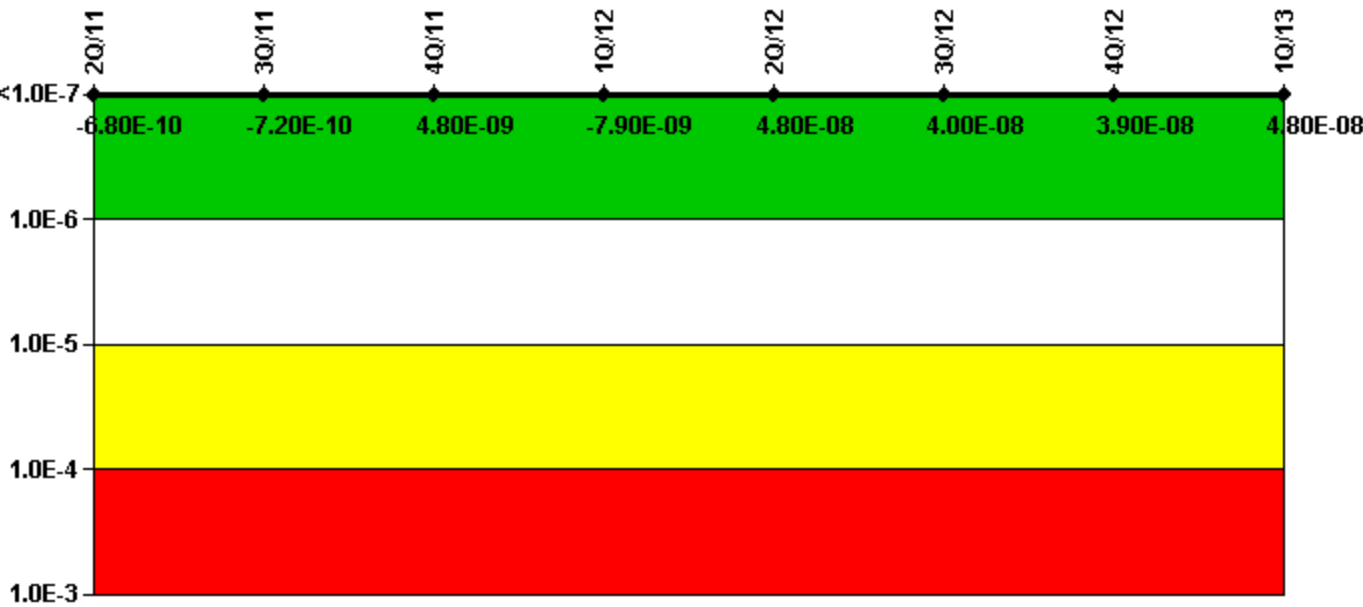
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	1.23E-08	1.07E-08	2.43E-08	2.19E-08	2.26E-08	1.97E-08	4.00E-08	1.75E-08
URI (ΔCDF)	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-8.15E-08	-8.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.80E-08	-4.90E-08	-3.60E-08	-3.80E-08	-3.80E-08	-4.00E-08	-4.20E-08	-6.40E-08

Licensee Comments:

2Q/11: 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

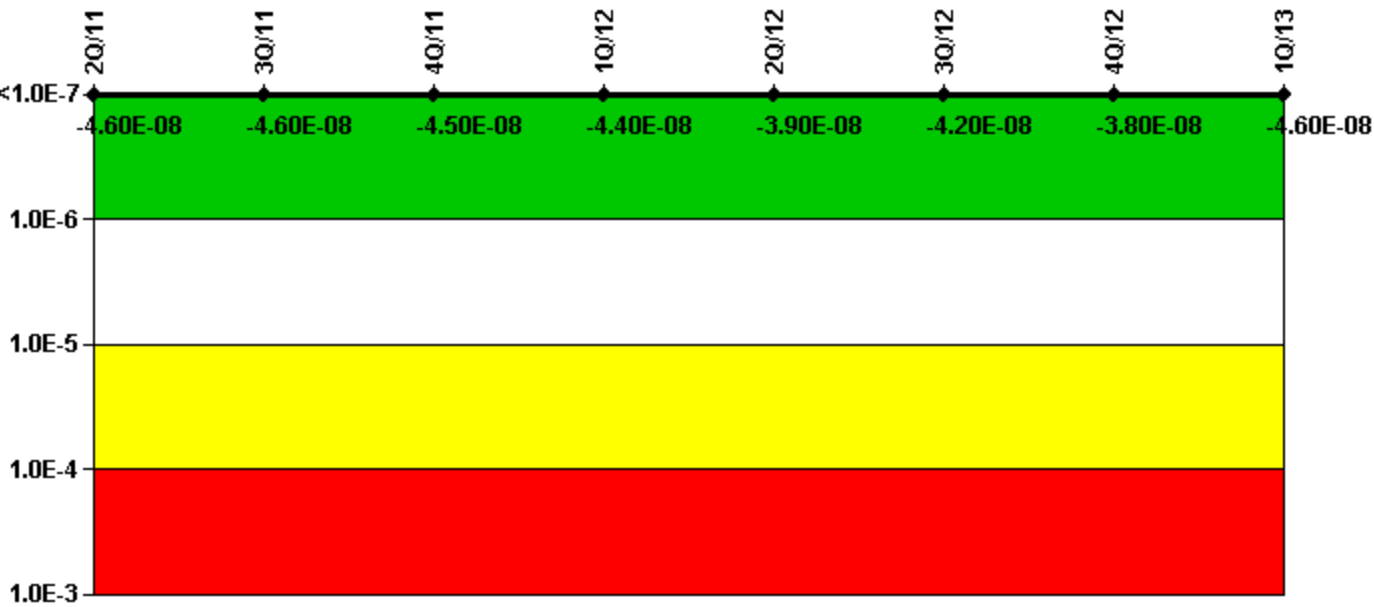
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	6.19E-08	6.19E-08	6.74E-08	5.47E-08	1.11E-07	1.02E-07	9.77E-08	1.08E-07
URI (ΔCDF)	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-5.91E-08	-5.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.80E-10	-7.20E-10	4.80E-09	-7.90E-09	4.80E-08	4.00E-08	3.90E-08	4.80E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Heat Removal System



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

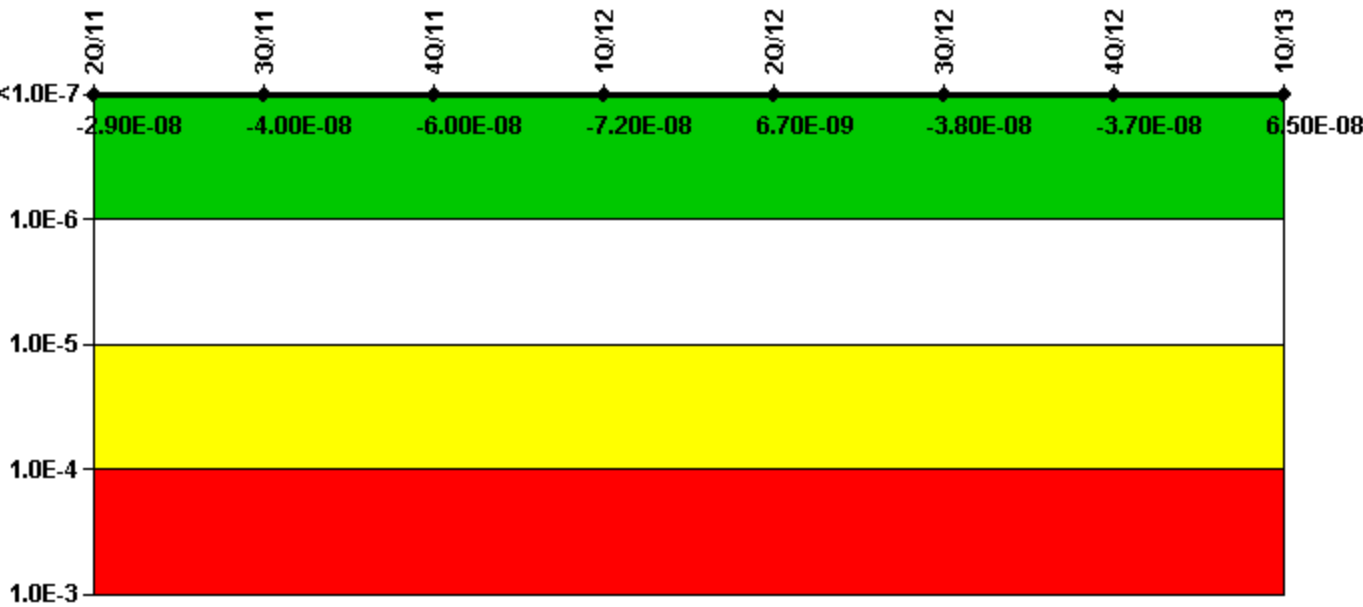
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	-5.20E-09	-5.20E-09	-5.03E-09	-3.71E-09	1.79E-09	-1.37E-09	4.38E-09	-2.00E-09
URI (ΔCDF)	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.20E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-08	-4.60E-08	-4.50E-08	-4.40E-08	-3.90E-08	-4.20E-08	-3.80E-08	-4.60E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Residual Heat Removal System



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

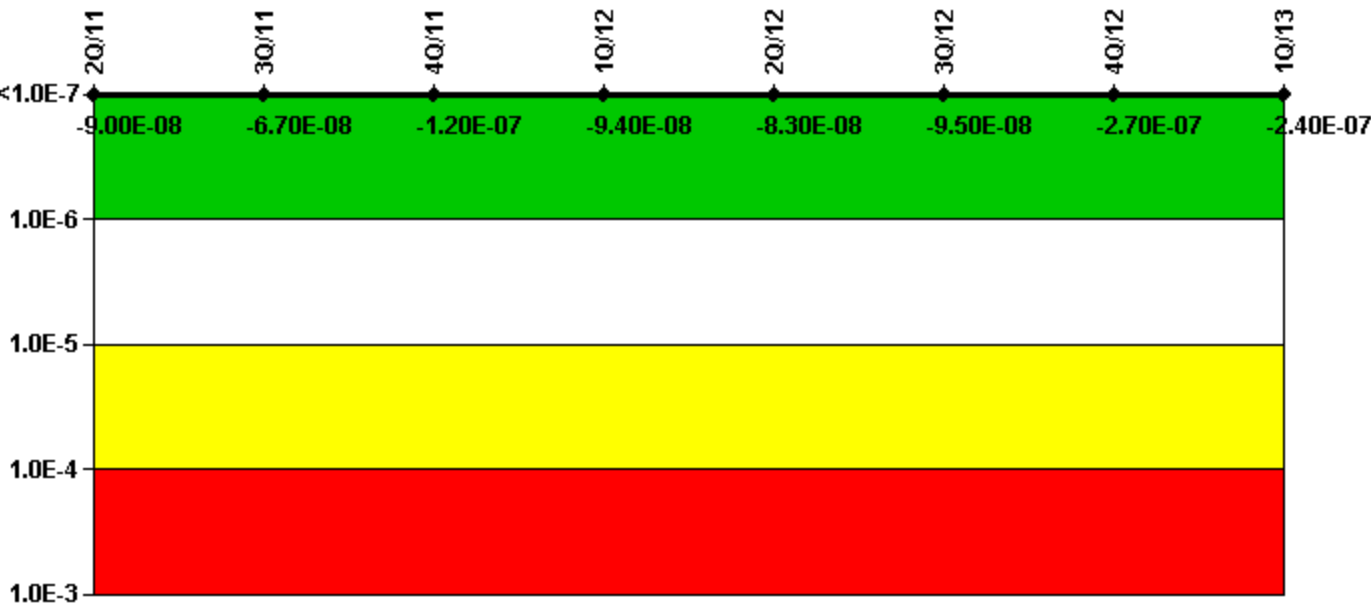
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	5.15E-08	4.01E-08	2.02E-08	8.46E-09	8.71E-08	4.28E-08	4.14E-08	1.43E-07
URI (ΔCDF)	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-7.85E-08	-7.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	-4.00E-08	-6.00E-08	-7.20E-08	6.70E-09	-3.80E-08	-3.70E-08	6.50E-08

Licensee Comments:

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

Mitigating Systems Performance Index, Cooling Water Systems



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

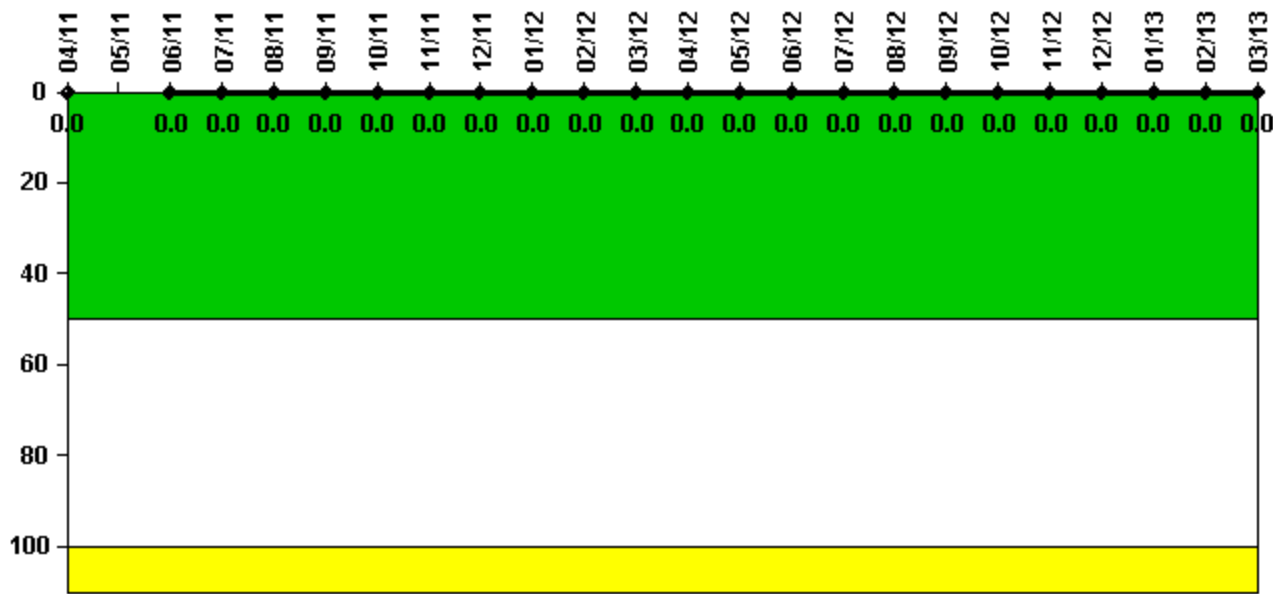
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	-4.98E-08	-2.63E-08	-7.59E-08	-5.39E-08	-4.20E-08	-5.41E-08	-3.91E-08	-1.11E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-2.28E-07	-2.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-08	-6.70E-08	-1.20E-07	-9.40E-08	-8.30E-08	-9.50E-08	-2.70E-07	-2.40E-07

Licensee Comments:

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

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

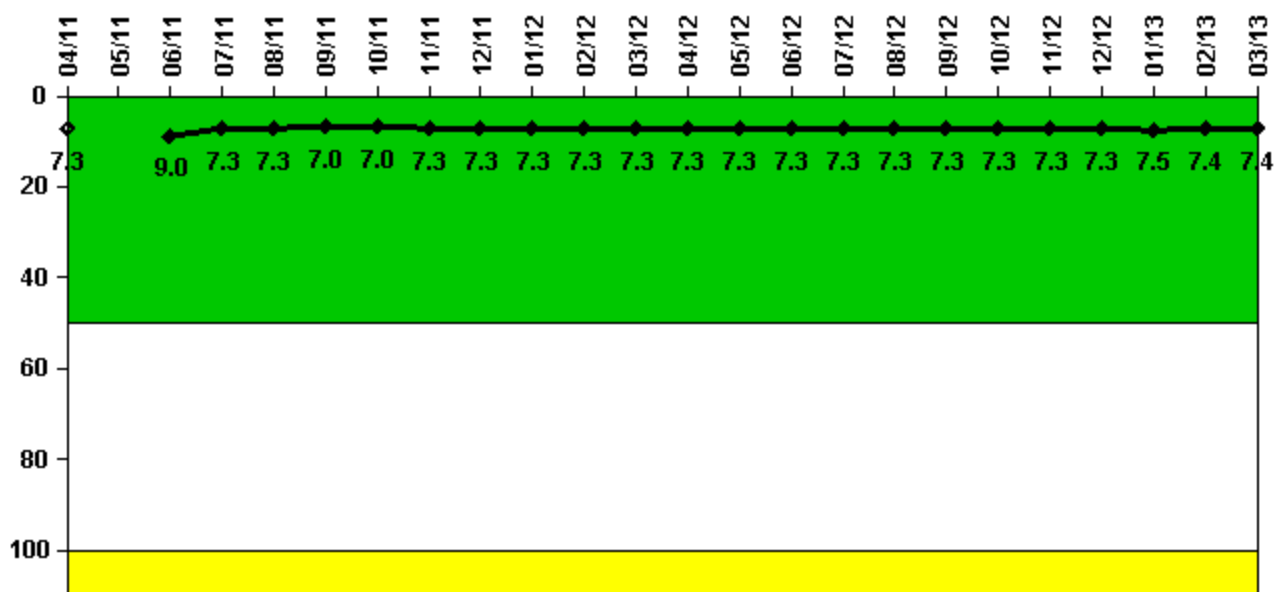
Notes

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	0.000042	N/A	0.000024	0.000024	0.000041	0.000023	0.000020	0.000022	0.000024	0.000037	0.000045	0.000043
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	N/A	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	0.000026	0.000029	0.000032	0.000030	0.000028	0.000029	0.000039	0.000027	0.000031	0.000025	0.000028	0.000029
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



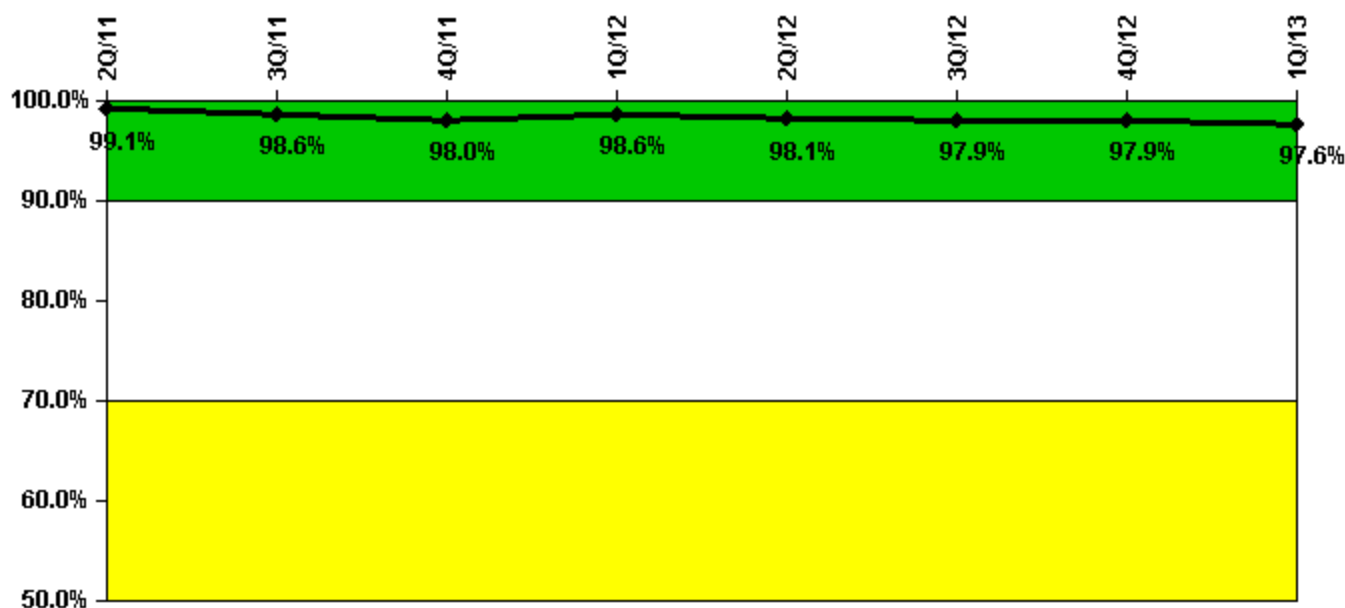
Thresholds: White > 50.0 Yellow > 100.0

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	2.200	N/A	2.700	2.200	2.200	2.100	2.090	2.180	2.180	2.180	2.200	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	N/A	9.0	7.3	7.3	7.0	7.0	7.3	7.3	7.3	7.3	7.3
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	2.190	2.190	2.190	2.190	2.180	2.180	2.200	2.200	2.200	2.250	2.210	2.210
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.4

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

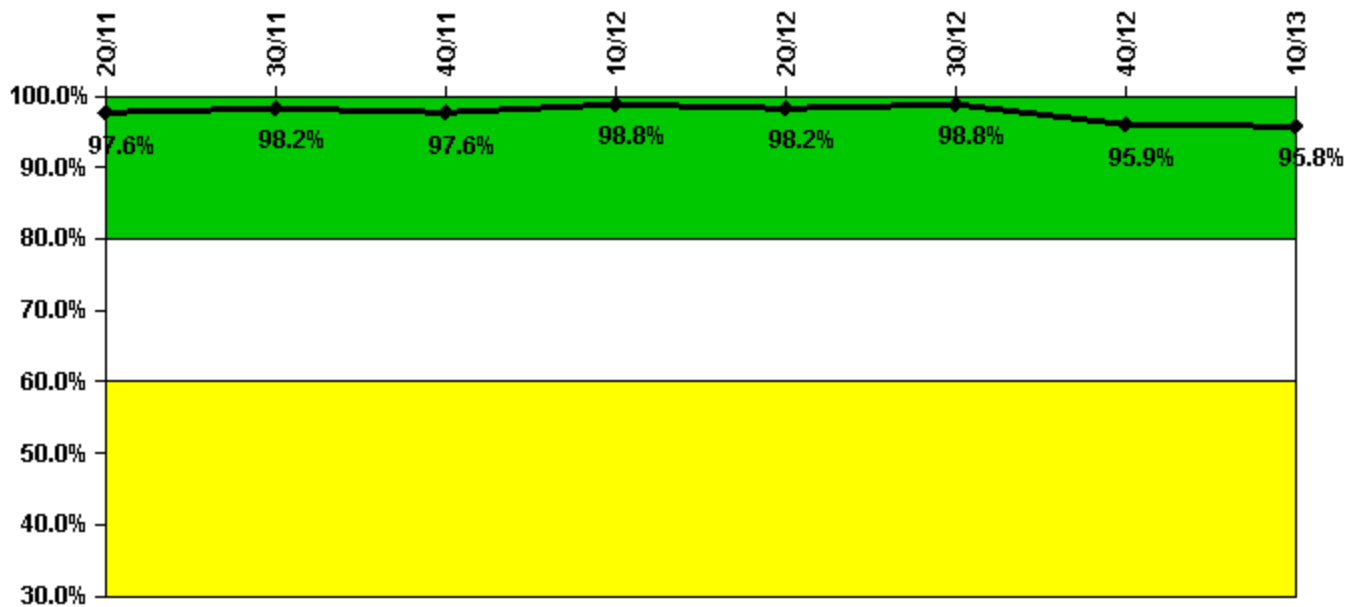
Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	0	21.0	21.0	46.0	22.0	25.0	19.0	7.0
Total opportunities	0	22.0	22.0	46.0	23.0	26.0	19.0	7.0
Indicator value	99.1%	98.6%	98.0%	98.6%	98.1%	97.9%	97.9%	97.6%

Licensee Comments:

2Q/12: Corrected the number total opportunities from 2 to 3 initially reported for June 2012. Added a missed DEP opportunity for not declaring an Unusual Event for in-plant changing radiological conditions on June 3, 2012 that met EPlan entry criteria, discovered after the fact. PI color remains GREEN.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

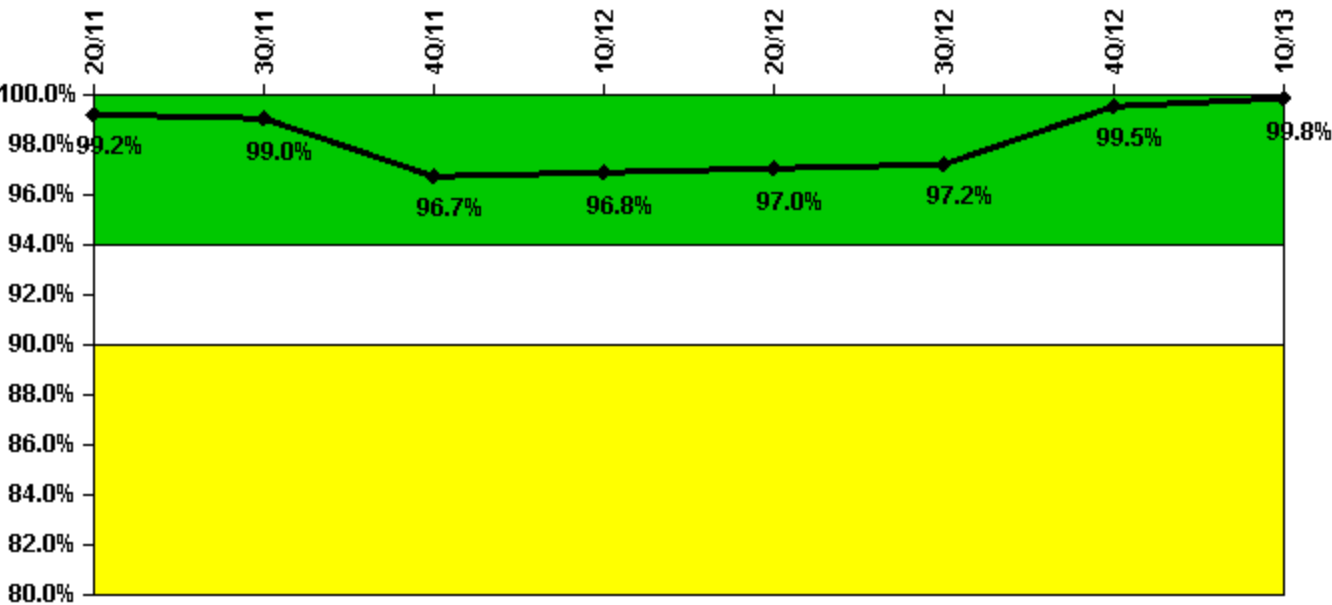
Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	166.0	163.0	162.0	161.0	165.0	162.0	163.0	159.0
Total Key personnel	170.0	166.0	166.0	163.0	168.0	164.0	170.0	166.0
Indicator value	97.6%	98.2%	97.6%	98.8%	98.2%	98.8%	95.9%	95.8%

Licensee Comments:

3Q/12: Changed the number of participating and total key ERO personnel initially reported in September 2012. An individual was removed from the key ERO population for unavailability to respond to an emergency event. PI color remains GREEN.

Alert & Notification System



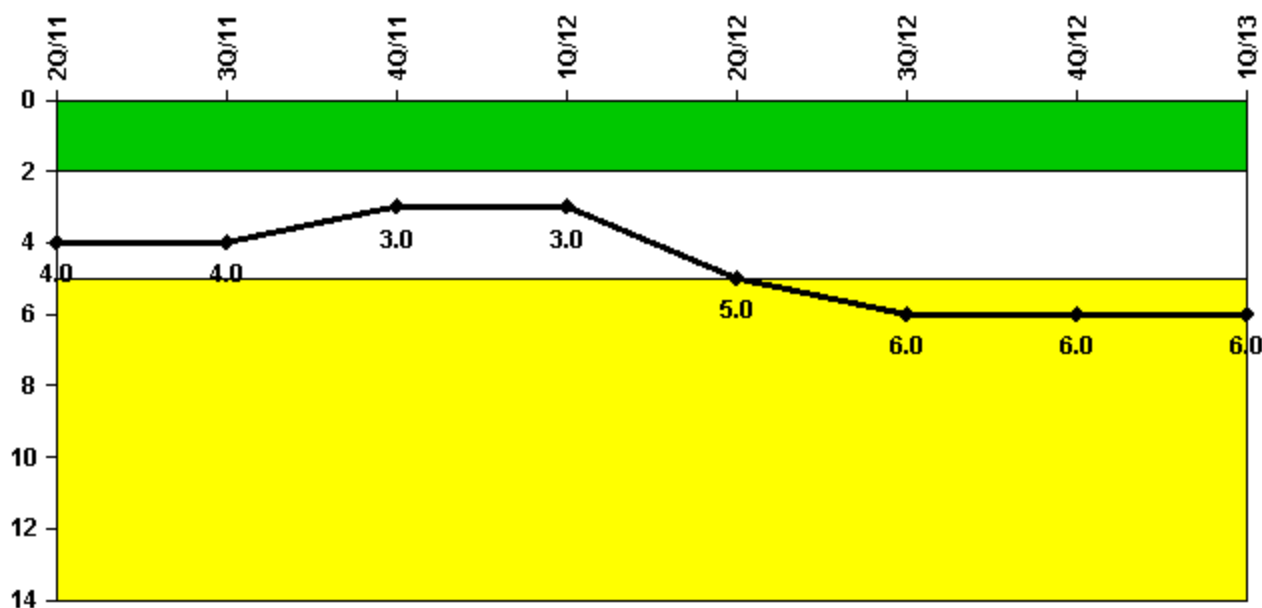
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	525	527	483	525	530	520	531	531
Total sirens-tests	532	532	532	532	532	521	532	532
Indicator value	99.2%	99.0%	96.7%	96.8%	97.0%	97.2%	99.5%	99.8%

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	3	0	0	0	5	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	4	4	3	3	5	6	6	6

Licensee Comments:

3Q/12: The 2012-09 PI occurrence for potential inadequate LHRA controls established for a loaded HI-STORM container is currently being evaluated at the root cause level. The PI value may change depending on results of the root cause evaluation.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction. Corrected the number of TS HRA occurrences reported for April 2012 from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area in the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. PI color remains WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed

by this correction.

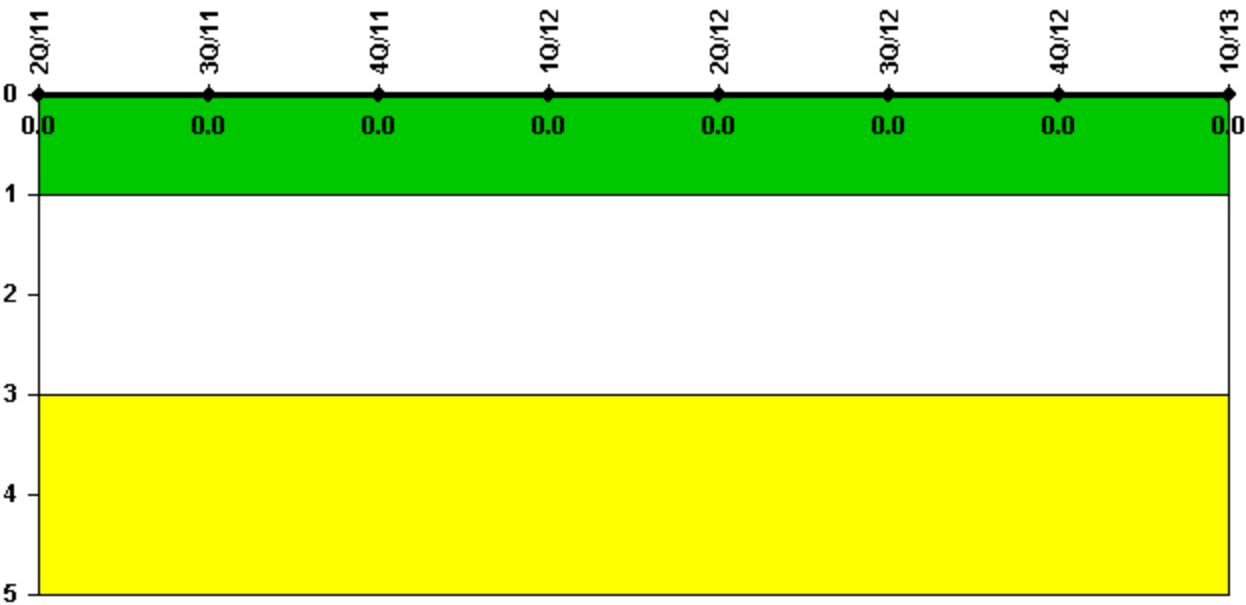
2Q/12: The number of TS HRA occurrences reported for June remains under evaluation at this time. A Frequently Asked Question (FAQ) submittal is planned to address the associated issues, which include having the same cause in a common time frame for the occurrences. The PI value may be modified as a result. With submittal of the Second Quarter 2012 PI data, the indicator performance has exceeded the green/white threshold and has moved to the Increased Regulatory Response Band. The PI color is WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 2 to 3 based on the final outcome of Frequently Asked Question (FAQ) 12-04. The FAQ process was entered to evaluate the number of occurrences that should be reported for the June 2-7, 2012, Radwaste El. 574 resin event. NRC ROP review of the FAQ determined that 3 TS HRA occurrences should be reported. Also the number of TS HRA occurrences reported for April 2012 was corrected earlier from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area of the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. With these corrections, the total number of TS HRA occurrences at the end of the Second Quarter 2012 is 5, which is at WHITE/YELLOW (Increased Regulatory Response Band/Required Regulatory Response Band) performance threshold. The PI color transitions to YELLOW in September 2012 when a TS HRA occurrence was experienced for failure to adequately control access to the top of a loaded HI-STORM container whose radiation levels met criteria for a TS HRA. In April 2013, performance returns to the WHITE/YELLOW threshold with a total of 5 occurrences in the past 12 months.

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

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

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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: 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: June 18, 2013

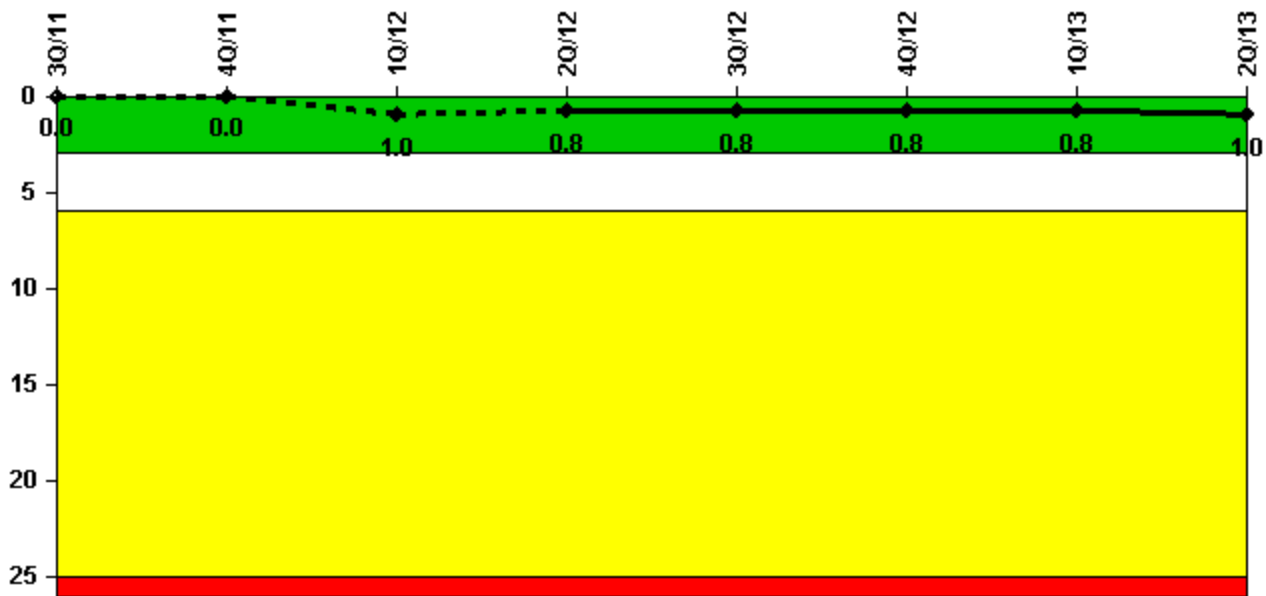
Perry 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



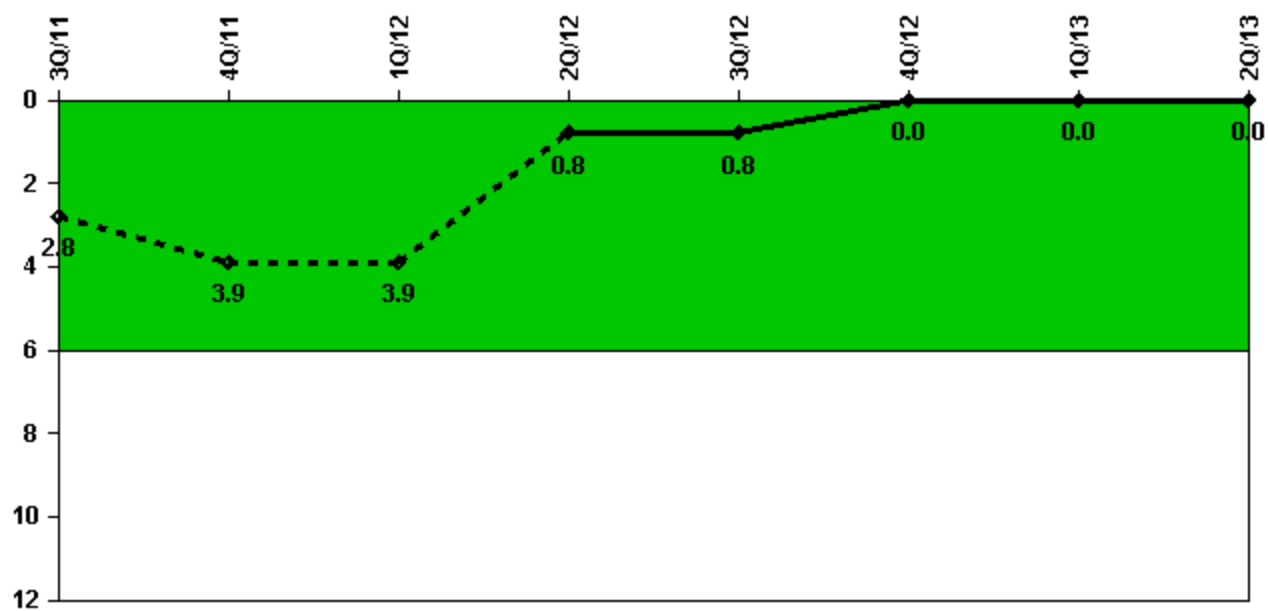
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0	0
Critical hours	2208.0	1831.6	2131.0	2111.7	2208.0	2209.0	1719.9	1098.3
Indicator value	0	0	1.0	0.8	0.8	0.8	0.8	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



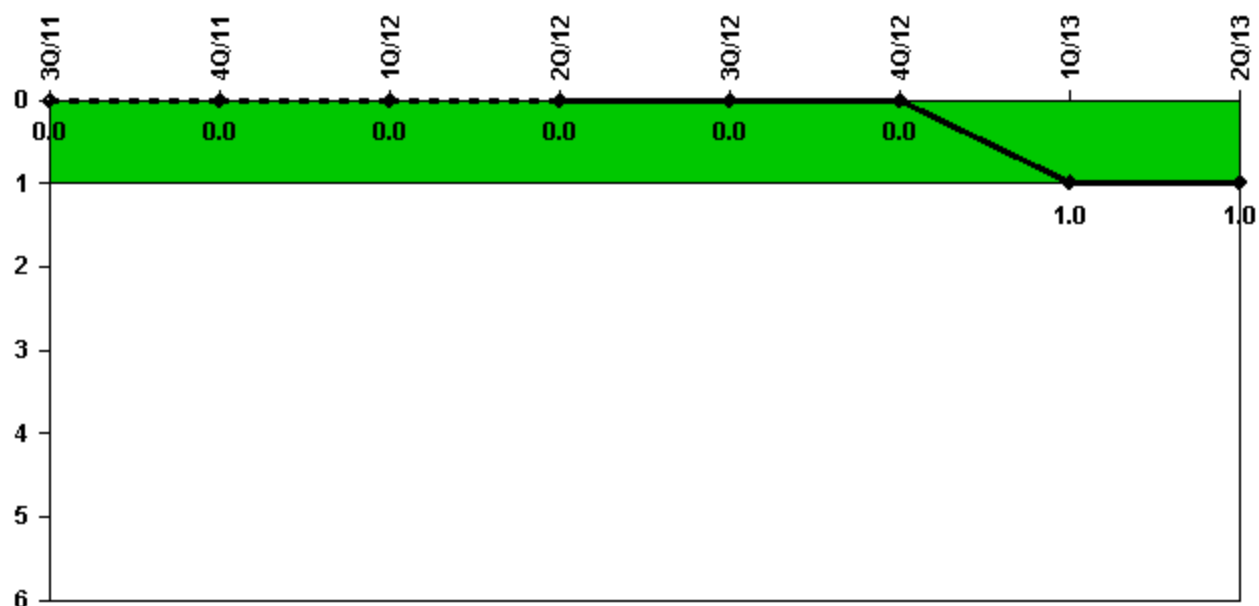
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0
Critical hours	2208.0	1831.6	2131.0	2111.7	2208.0	2209.0	1719.9	1098.3
Indicator value	2.8	3.9	3.9	0.8	0.8	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

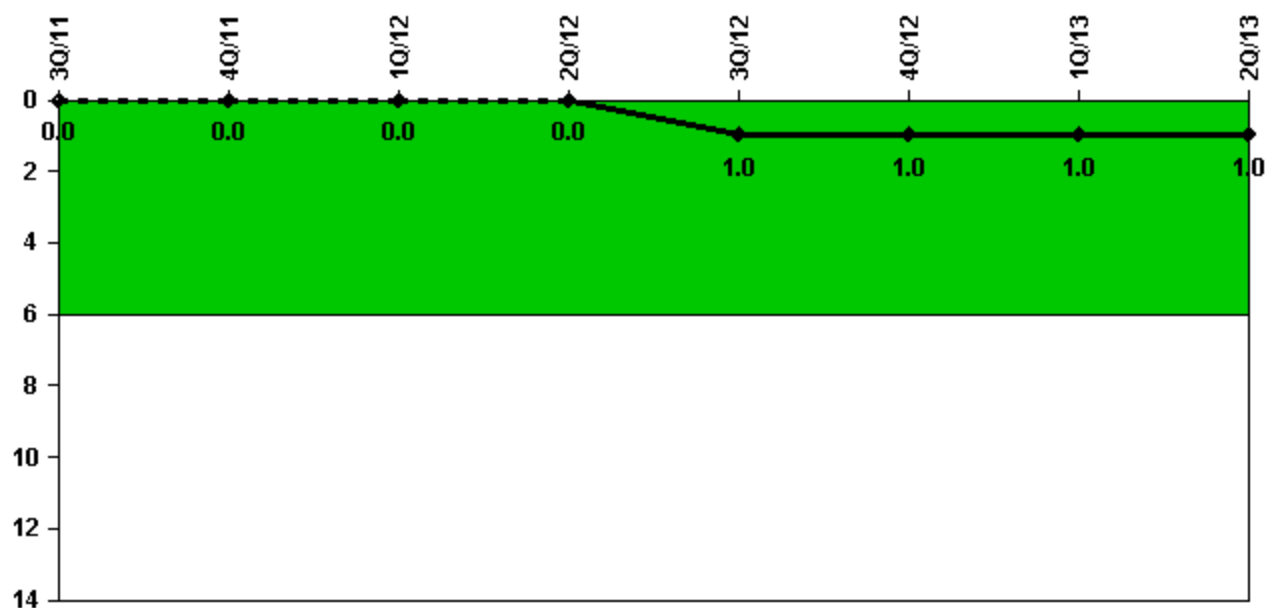
Notes

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	1.0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0

Licensee Comments:

1Q/13: Further review of the January 22, 2013 scram against NEI 99-02 Revision 6 criteria determined that it counts as a USwC. A change file is submitted to correct the PI data initially reported.

Safety System Functional Failures (BWR)



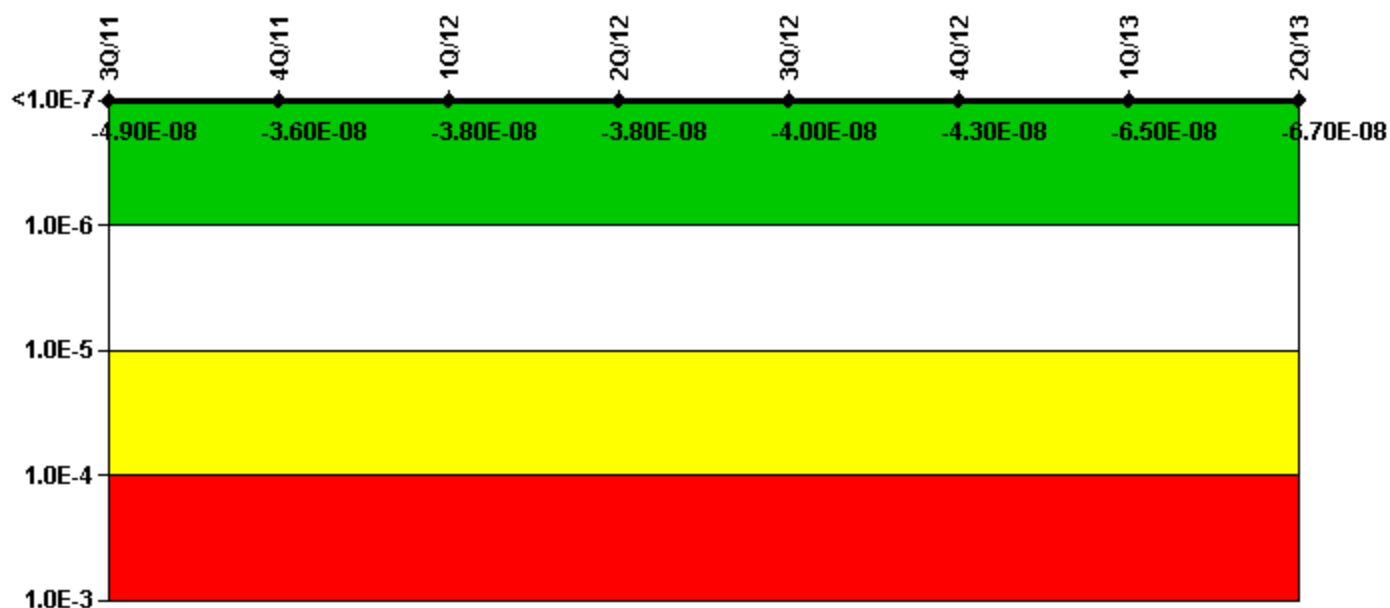
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	0	0	0	0	1	1	1	1

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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	1.07E-08	2.43E-08	2.19E-08	2.26E-08	1.97E-08	4.00E-08	1.75E-08	1.56E-08
URI (ΔCDF)	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-8.30E-08	-8.30E-08	-8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.90E-08	-3.60E-08	-3.80E-08	-3.80E-08	-4.00E-08	-4.30E-08	-6.50E-08	-6.70E-08

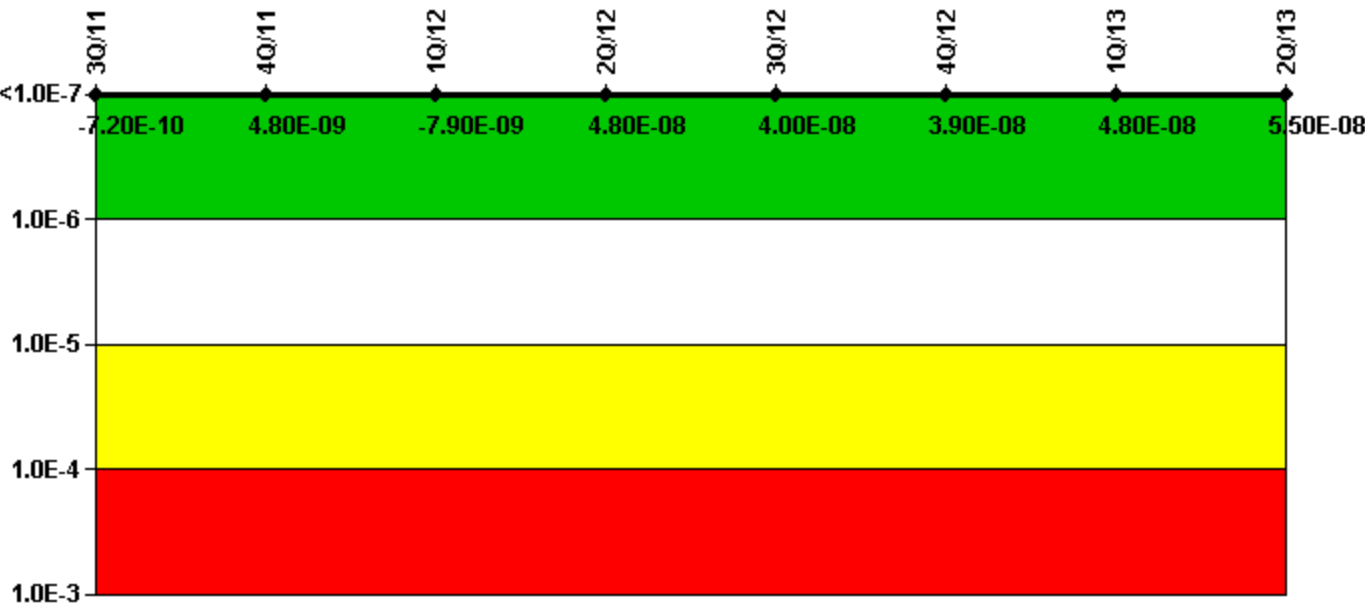
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



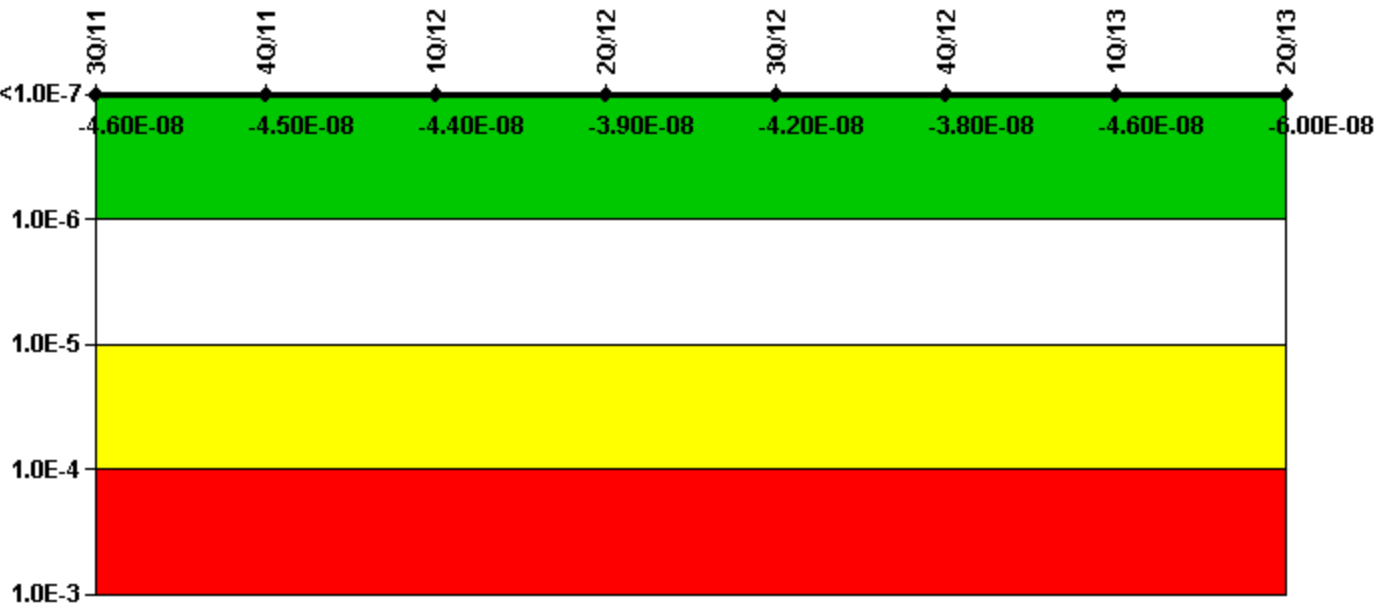
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	6.19E-08	6.74E-08	5.47E-08	1.11E-07	1.02E-07	9.77E-08	1.08E-07	1.14E-07
URI (ΔCDF)	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-5.91E-08	-5.96E-08	-5.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.20E-10	4.80E-09	-7.90E-09	4.80E-08	4.00E-08	3.90E-08	4.80E-08	5.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



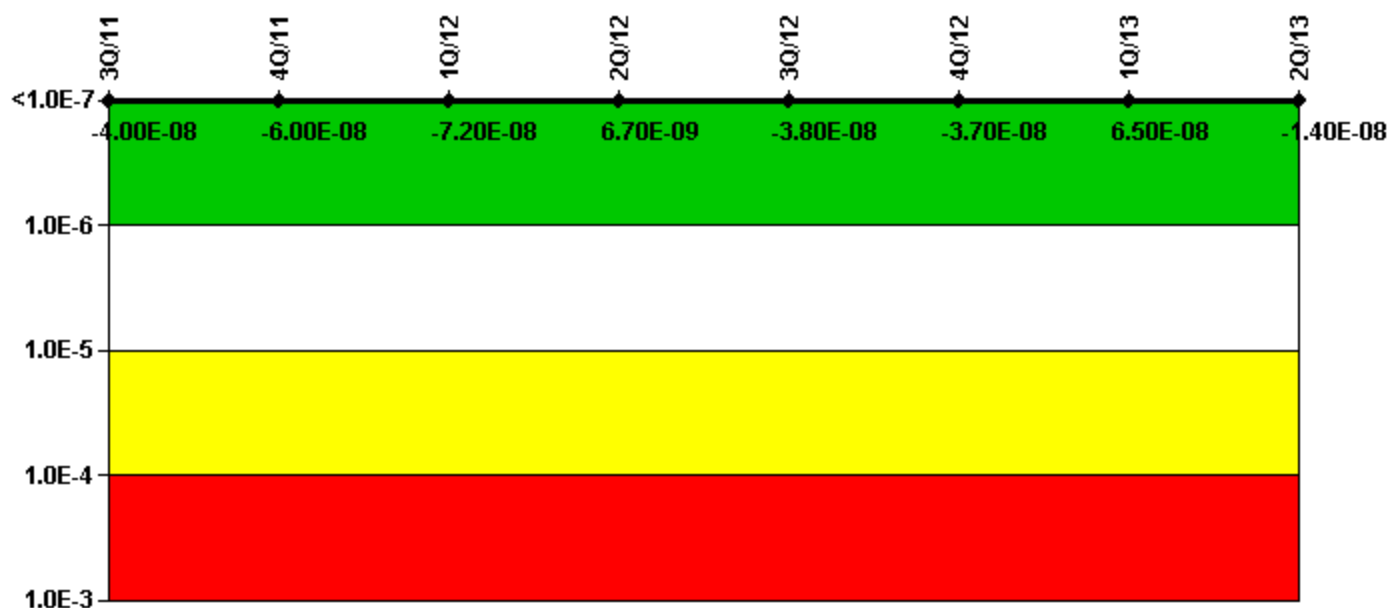
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	-5.20E-09	-5.03E-09	-3.71E-09	1.79E-09	-1.37E-09	4.38E-09	-2.00E-09	-1.63E-08
URI (ΔCDF)	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.20E-08	-4.40E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-08	-4.50E-08	-4.40E-08	-3.90E-08	-4.20E-08	-3.80E-08	-4.60E-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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	4.01E-08	2.02E-08	8.46E-09	8.71E-08	4.28E-08	4.14E-08	1.43E-07	6.37E-08
URI (Δ CDF)	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-7.80E-08	-7.80E-08	-7.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-08	-6.00E-08	-7.20E-08	6.70E-09	-3.80E-08	-3.70E-08	6.50E-08	-1.40E-08

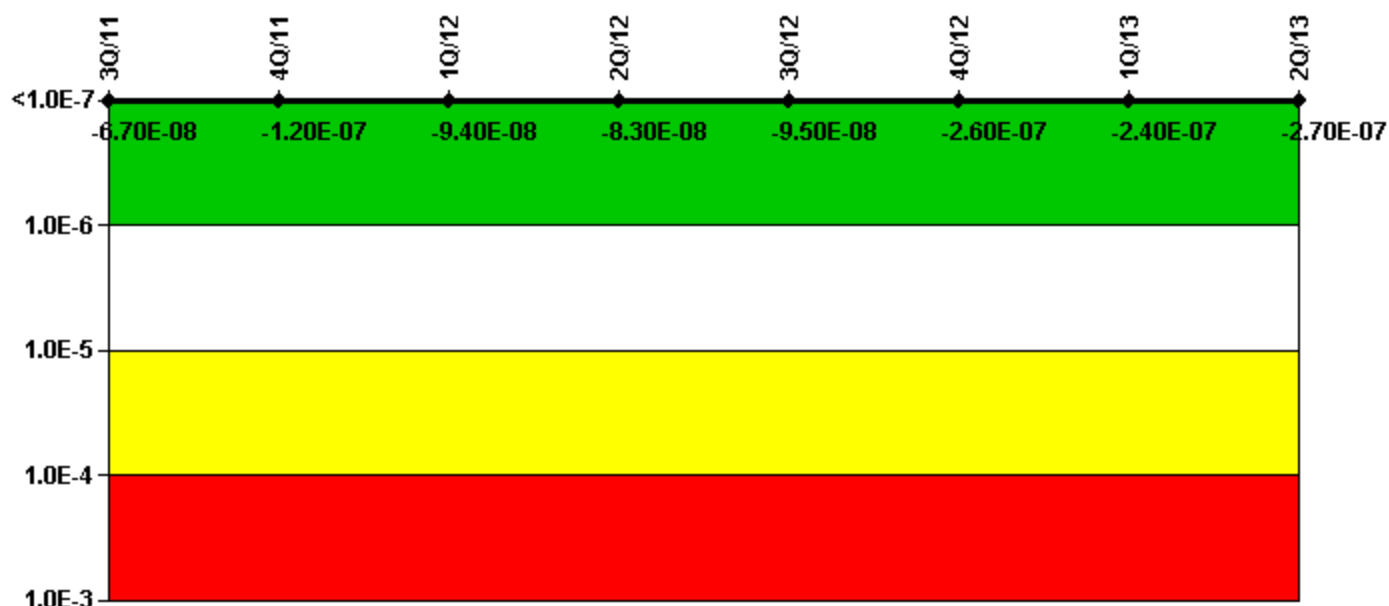
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: 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)	-2.63E-08	-7.59E-08	-5.39E-08	-4.20E-08	-5.41E-08	-3.91E-08	-1.11E-08	-4.60E-08
URI (Δ CDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-2.26E-07	-2.26E-07	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.70E-08	-1.20E-07	-9.40E-08	-8.30E-08	-9.50E-08	-2.60E-07	-2.40E-07	-2.70E-07

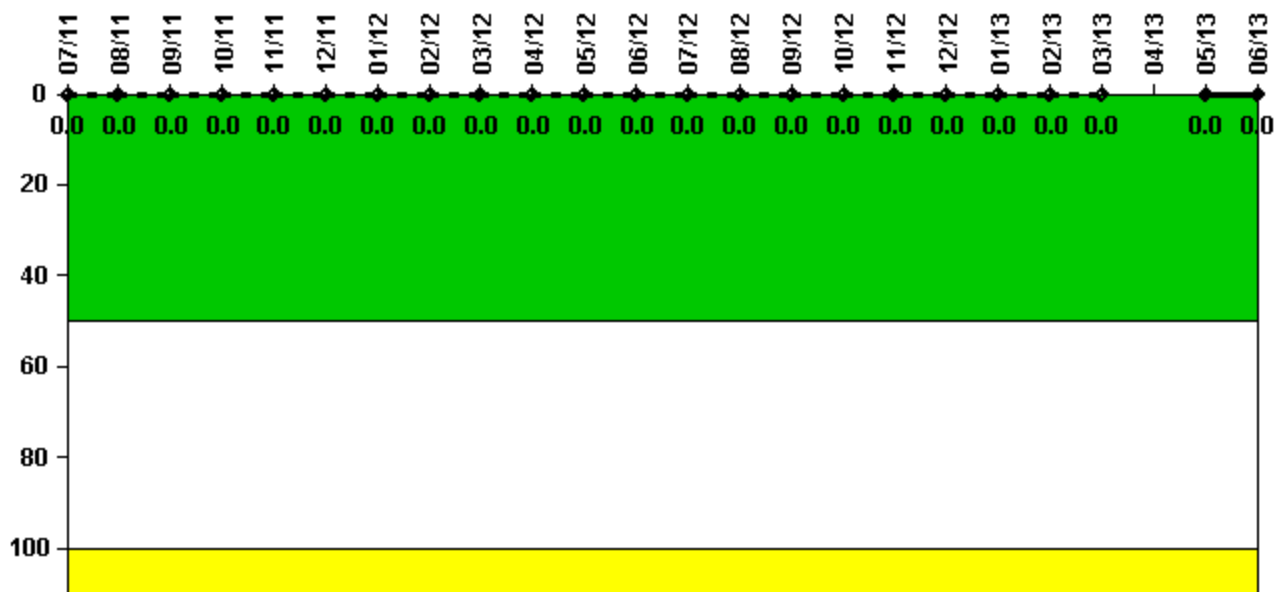
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Reactor Coolant System Activity



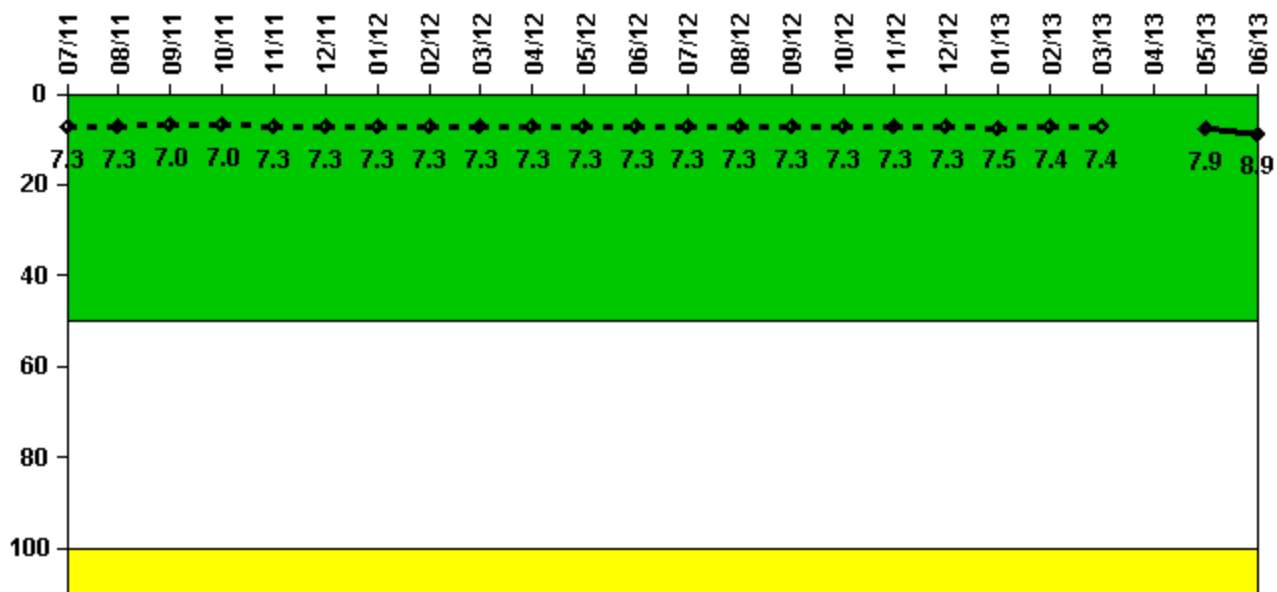
Thresholds: White > 50.0 Yellow > 100.0

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	0.000024	0.000041	0.000023	0.000020	0.000022	0.000024	0.000037	0.000045	0.000043	0.000026	0.000029	0.000032
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000030	0.000028	0.000029	0.000039	0.000027	0.000031	0.000025	0.000028	0.000029	N/A	0.000045	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	N/A	0	0

Licensee Comments: none

Reactor Coolant System Leakage



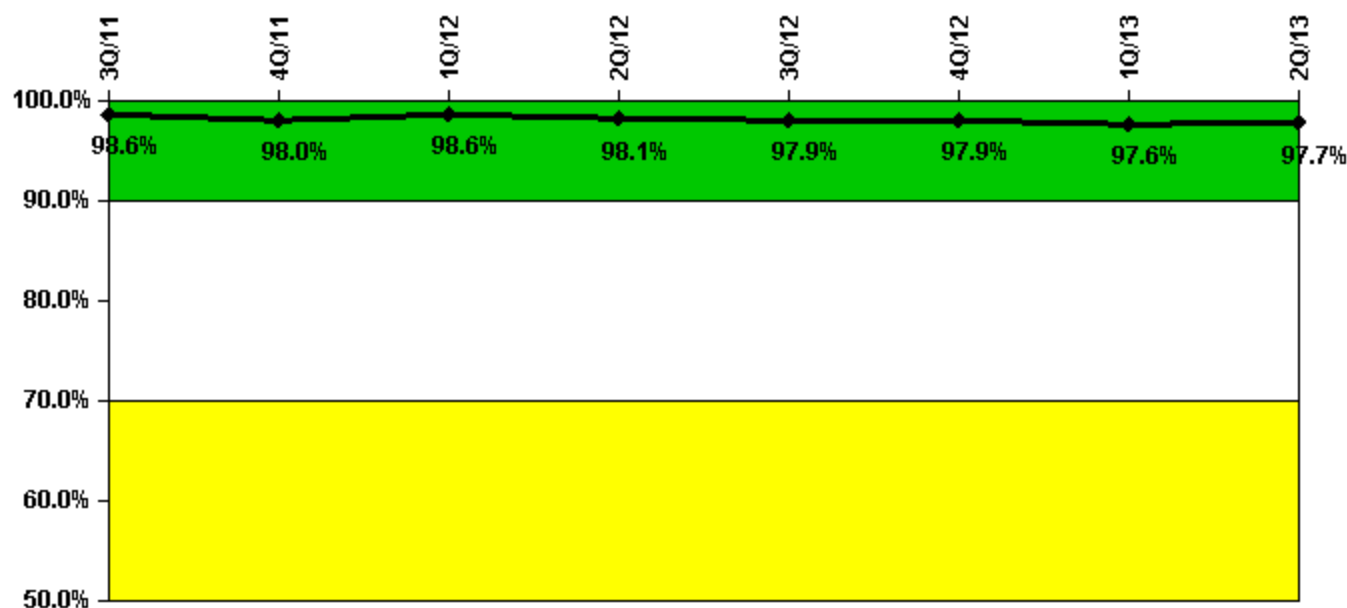
Thresholds: White > 50.0 Yellow > 100.0

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	2.200	2.200	2.100	2.090	2.180	2.180	2.180	2.200	2.200	2.190	2.190	2.190
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.0	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
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	2.190	2.180	2.180	2.200	2.200	2.200	2.250	2.210	2.210	N/A	2.380	2.680
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.4	N/A	7.9	8.9

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

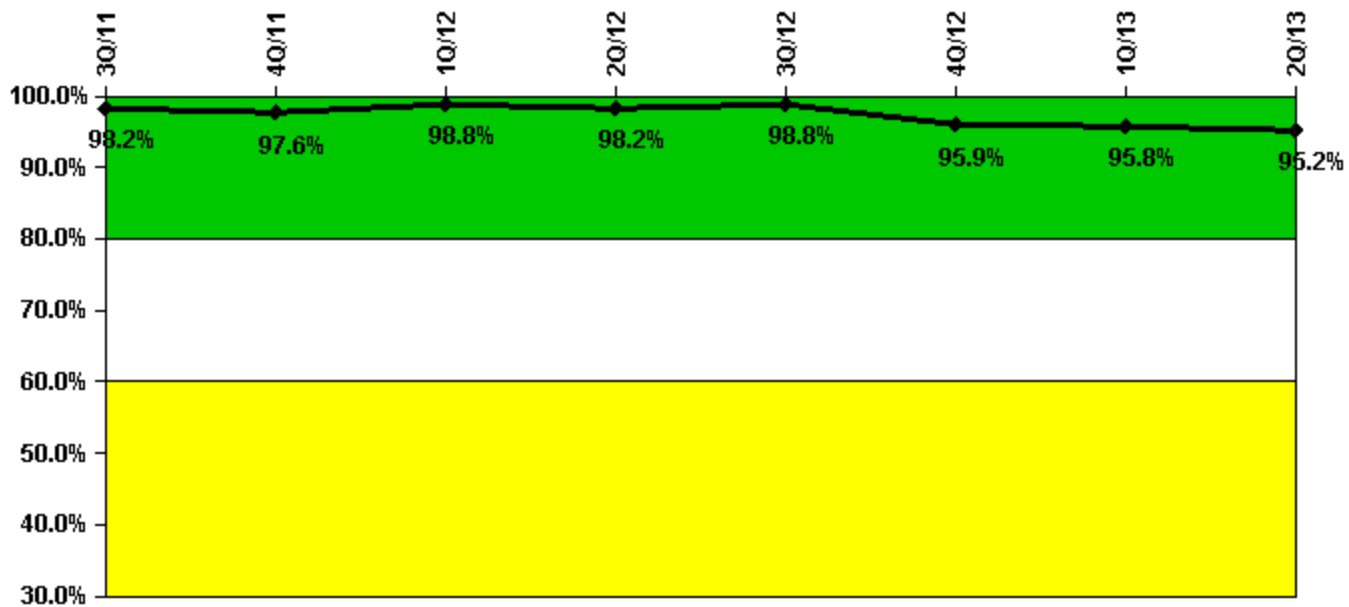
Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	21.0	21.0	46.0	22.0	25.0	19.0	7.0	6.0
Total opportunities	22.0	22.0	46.0	23.0	26.0	19.0	7.0	6.0
Indicator value	98.6%	98.0%	98.6%	98.1%	97.9%	97.9%	97.6%	97.7%

Licensee Comments:

2Q/12: Corrected the number total opportunities from 2 to 3 initially reported for June 2012. Added a missed DEP opportunity for not declaring an Unusual Event for in-plant changing radiological conditions on June 3, 2012 that met EPlan entry criteria, discovered after the fact. PI color remains GREEN.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

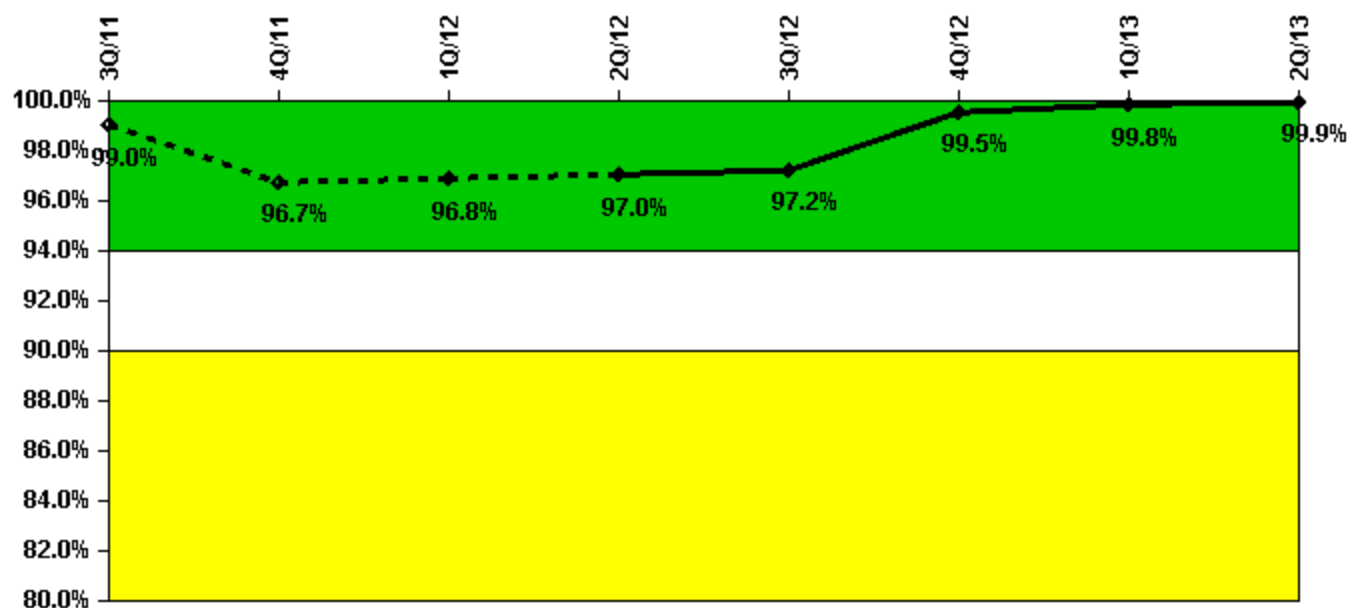
Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	163.0	162.0	161.0	165.0	162.0	163.0	159.0	159.0
Total Key personnel	166.0	166.0	163.0	168.0	164.0	170.0	166.0	167.0
Indicator value	98.2%	97.6%	98.8%	98.2%	98.8%	95.9%	95.8%	95.2%

Licensee Comments:

3Q/12: Changed the number of participating and total key ERO personnel initially reported in September 2012. An individual was removed from the key ERO population for unavailability to respond to an emergency event. PI color remains GREEN.

Alert & Notification System



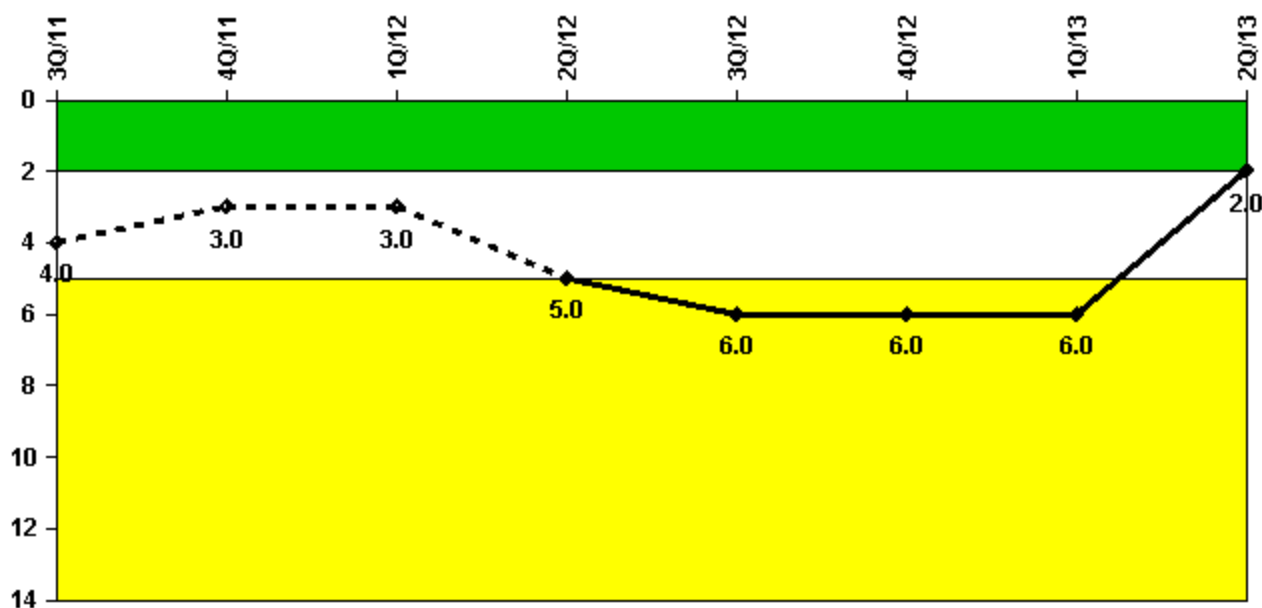
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	527	483	525	530	520	531	531	532
Total sirens-tests	532	532	532	532	521	532	532	532
Indicator value	99.0%	96.7%	96.8%	97.0%	97.2%	99.5%	99.8%	99.9%

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	5	1	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	4	3	3	5	6	6	6	2

Licensee Comments:

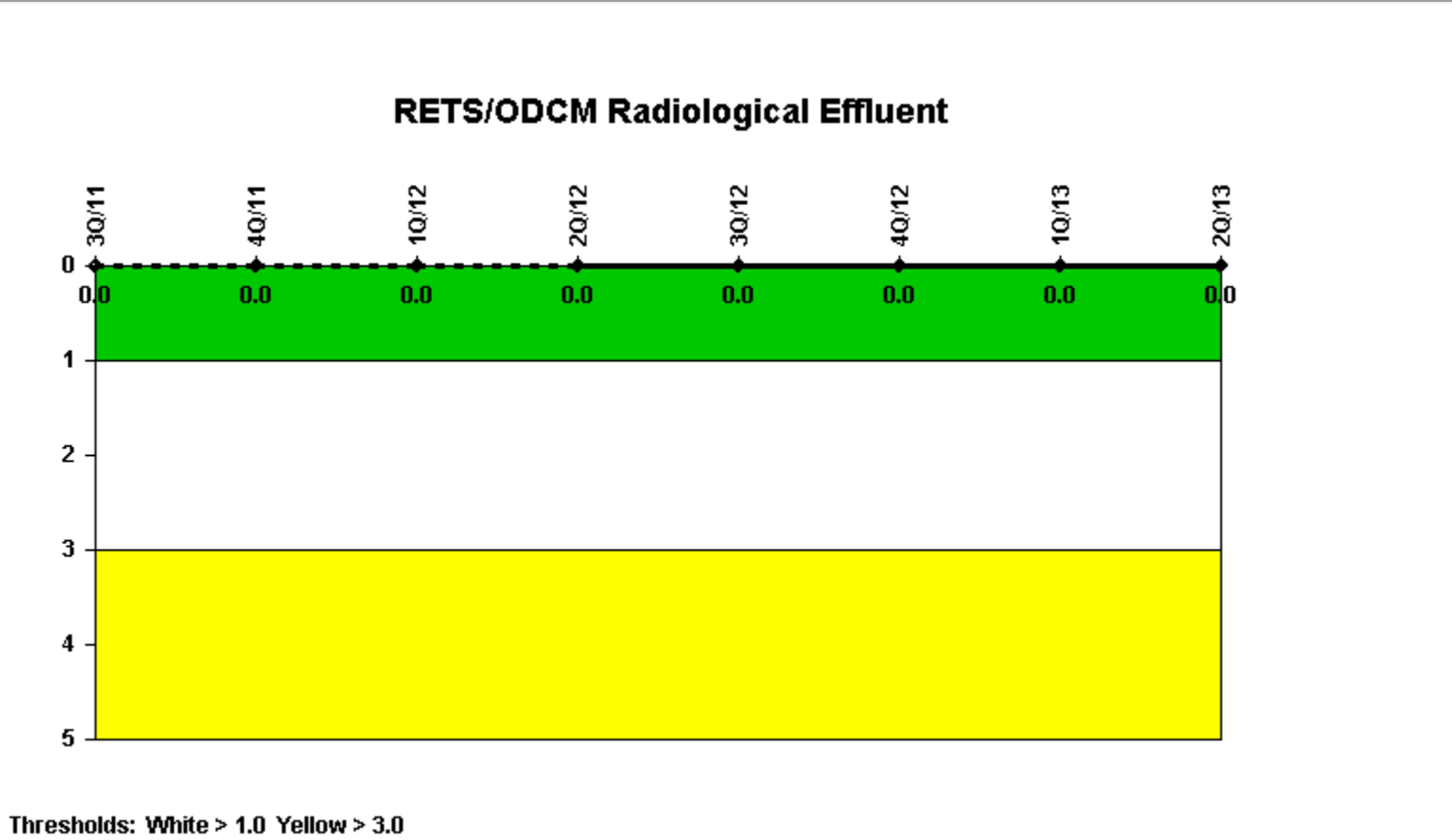
3Q/12: The 2012-09 PI occurrence for potential inadequate LHRA controls established for a loaded HI-STORM container is currently being evaluated at the root cause level. The PI value may change depending on results of the root cause evaluation.

2Q/12: The number of TS HRA occurrences reported for June remains under evaluation at this time. A Frequently Asked Question (FAQ) submittal is planned to address the associated issues, which include having the same cause in a common time frame for the occurrences. The PI value may be modified as a result. With submittal of the Second Quarter 2012 PI data, the indicator performance has exceeded the green/white threshold and has moved to the Increased Regulatory Response Band. The PI color is WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction. Corrected the number of TS HRA occurrences reported for April 2012 from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area in the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. PI color remains WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 2 to 3 based on the final outcome of Frequently Asked Question (FAQ) 12-04. The FAQ process was entered to evaluate the number of occurrences that should be reported for the June 2-7, 2012, Radwaste El. 574 resin event. NRC ROP review of the FAQ determined that 3 TS HRA occurrences should be reported. Also the number of TS HRA occurrences reported for April 2012 was corrected earlier from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area of the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. With these corrections, the total number of TS HRA occurrences at the end of the Second Quarter 2012 is 5, which is at WHITE/YELLOW (Increased Regulatory Response Band/Required Regulatory Response Band) performance threshold. The PI color transitions to YELLOW in September 2012 when a TS HRA occurrence was experienced for failure to adequately control access to the top of a loaded HI-STORM container whose radiation levels met criteria for a TS HRA. In April 2013, performance returns to the WHITE/YELLOW threshold with a total of 5 occurrences in the past 12 months.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction.



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: 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: August 19, 2013

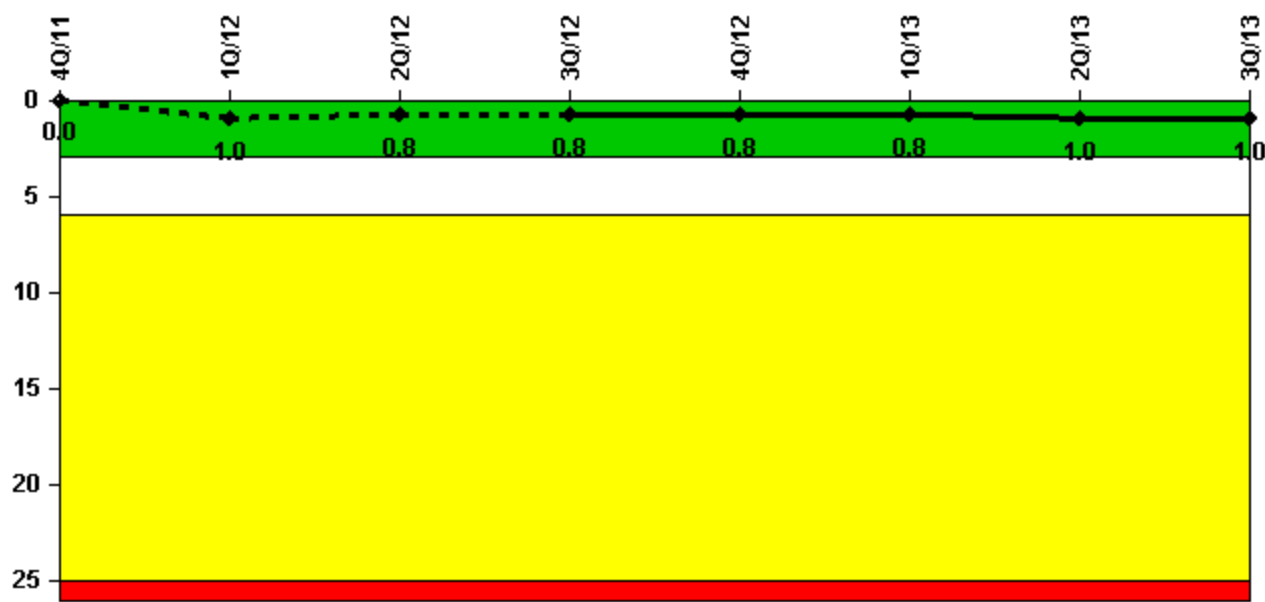
Perry 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



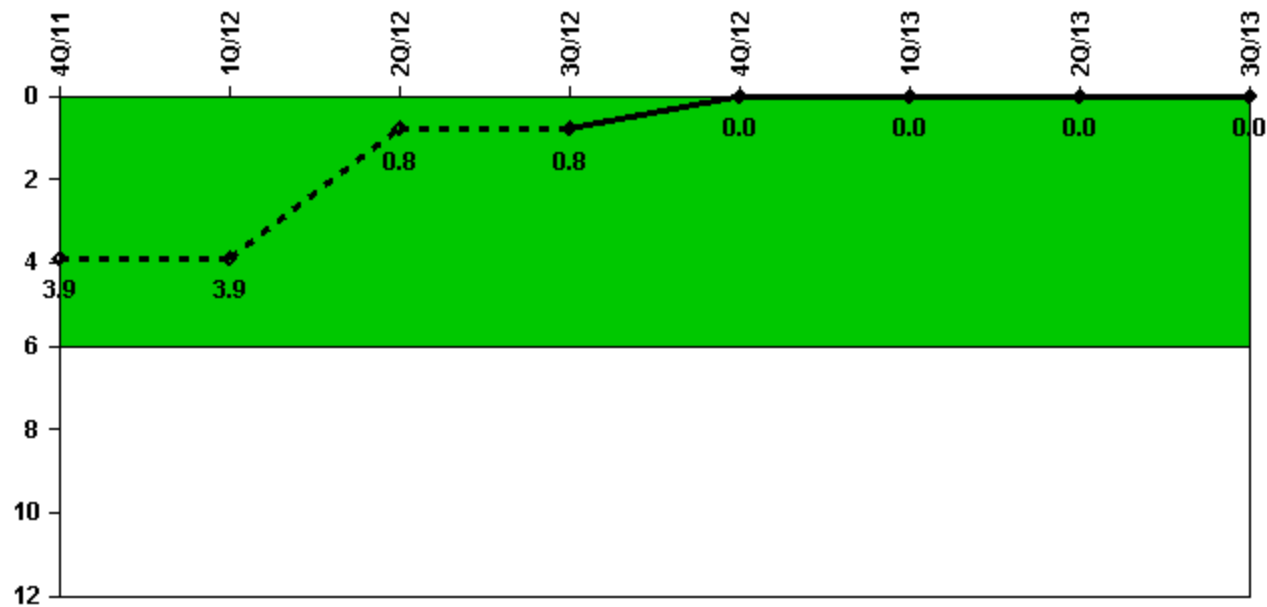
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0	0	0
Critical hours	1831.6	2131.0	2111.7	2208.0	2209.0	1719.9	1098.3	2167.6
Indicator value	0	1.0	0.8	0.8	0.8	0.8	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



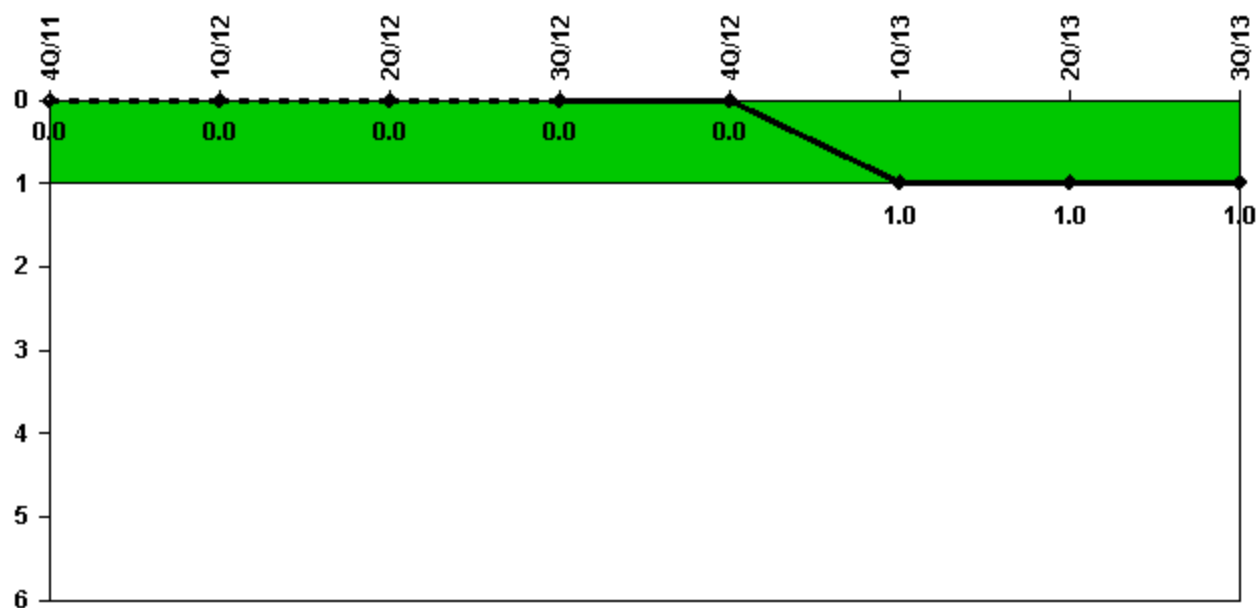
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1831.6	2131.0	2111.7	2208.0	2209.0	1719.9	1098.3	2167.6
Indicator value	3.9	3.9	0.8	0.8	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

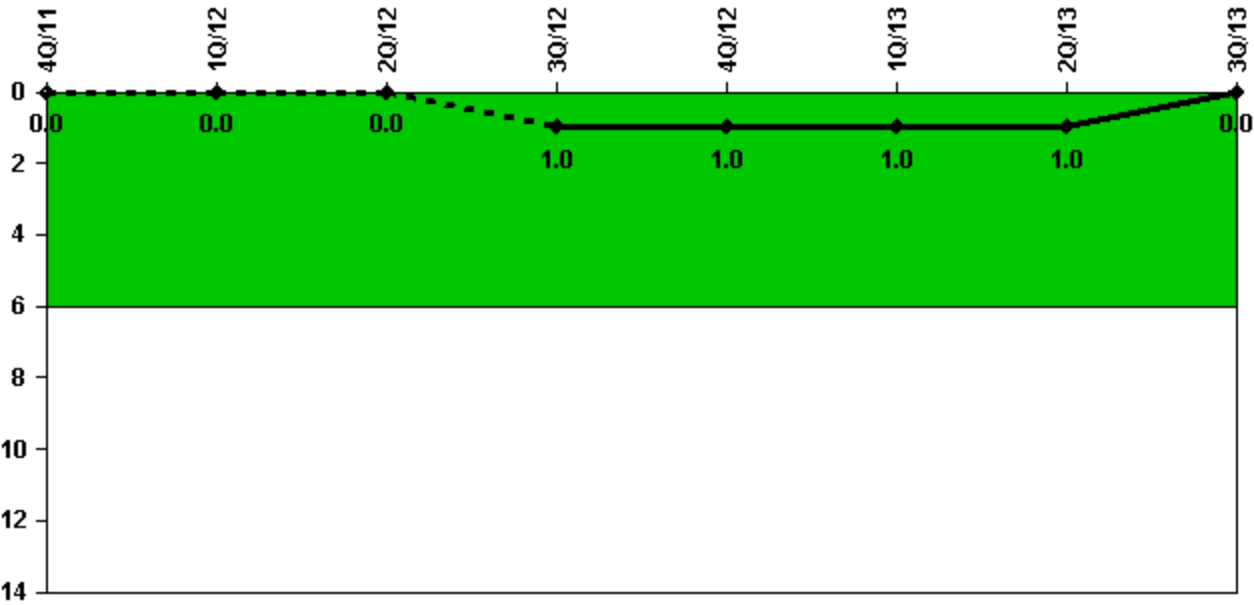
Notes

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	1.0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0

Licensee Comments:

1Q/13: Further review of the January 22, 2013 scram against NEI 99-02 Revision 6 criteria determined that it counts as a USwC. A change file is submitted to correct the PI data initially reported.

Safety System Functional Failures (BWR)



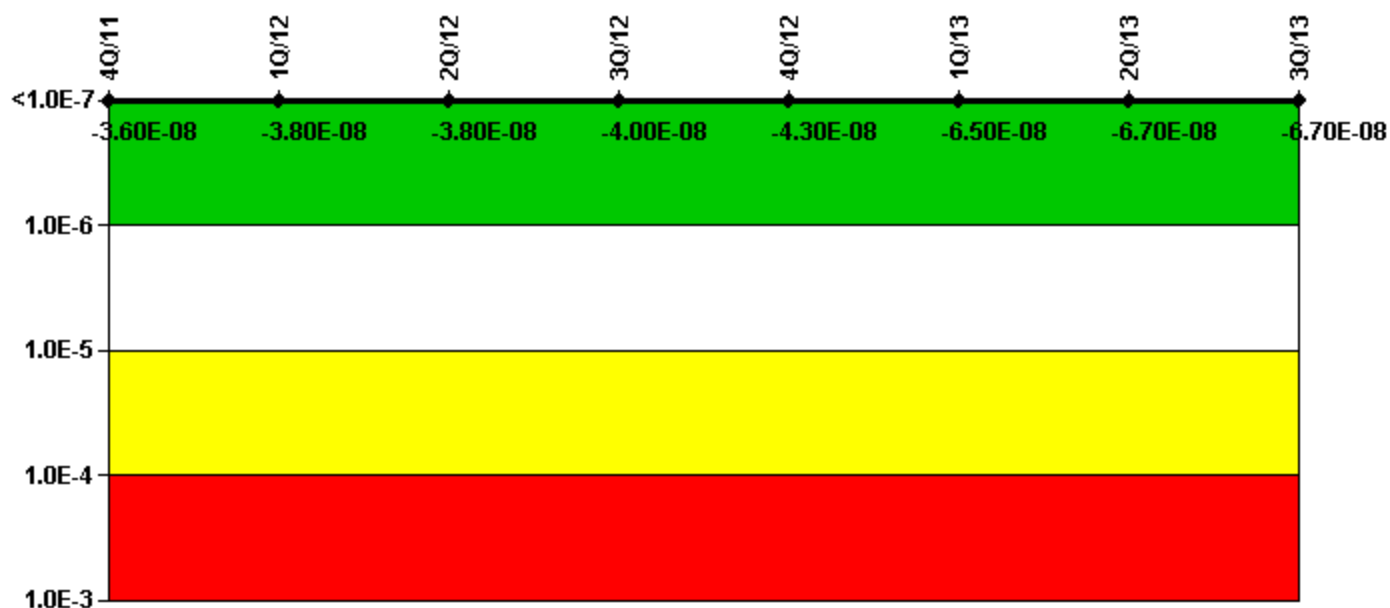
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
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/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	2.43E-08	2.19E-08	2.26E-08	1.97E-08	4.00E-08	1.75E-08	1.56E-08	1.60E-08
URI (Δ CDF)	-6.01E-08	-6.01E-08	-6.01E-08	-6.01E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.60E-08	-3.80E-08	-3.80E-08	-4.00E-08	-4.30E-08	-6.50E-08	-6.70E-08	-6.70E-08

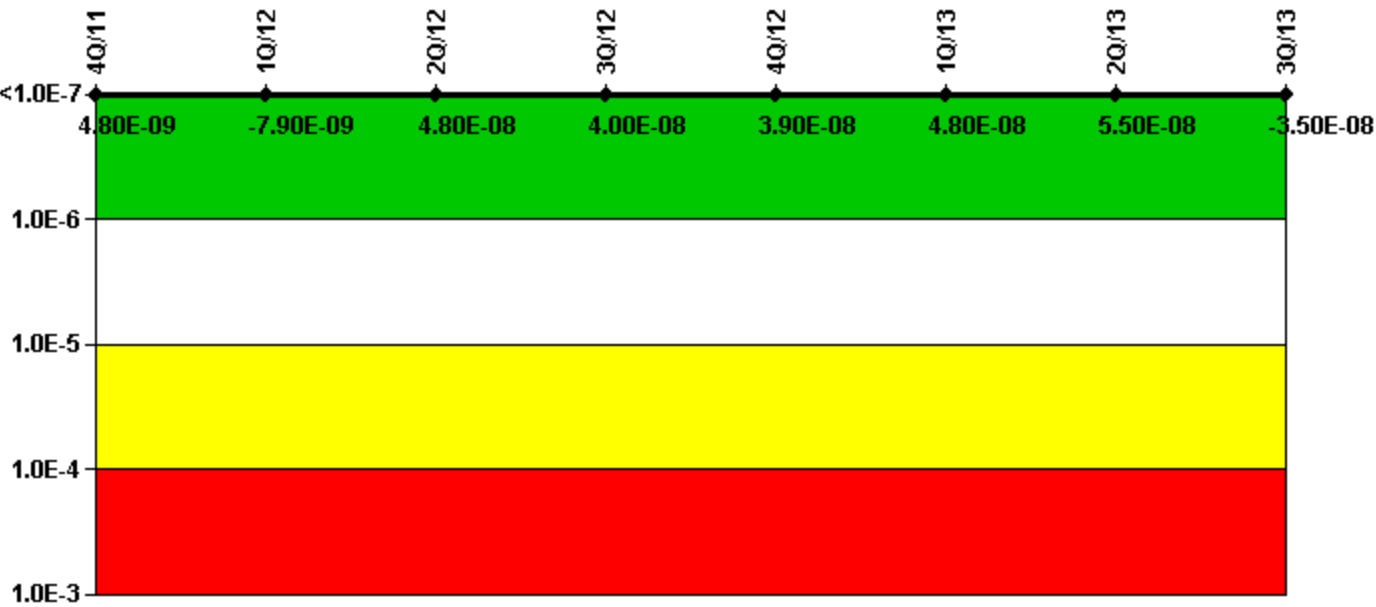
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



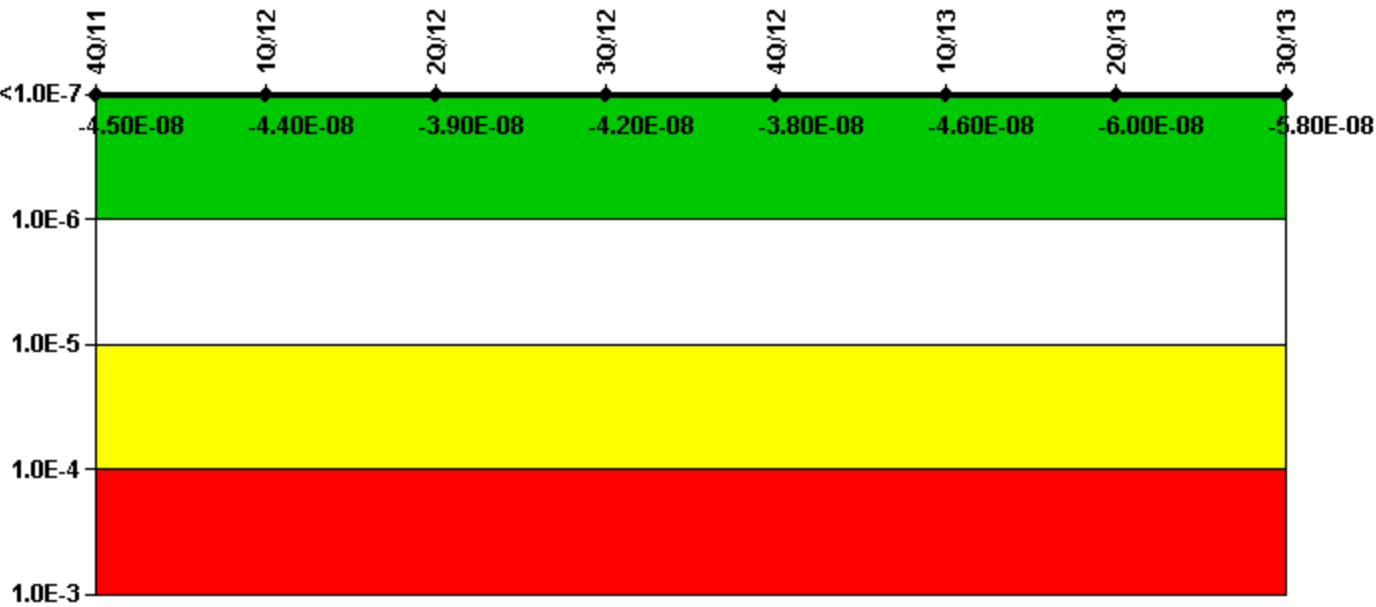
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	6.74E-08	5.47E-08	1.11E-07	1.02E-07	9.77E-08	1.08E-07	1.14E-07	2.43E-08
URI (ΔCDF)	-6.26E-08	-6.26E-08	-6.26E-08	-6.26E-08	-5.91E-08	-5.96E-08	-5.96E-08	-5.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.80E-09	-7.90E-09	4.80E-08	4.00E-08	3.90E-08	4.80E-08	5.50E-08	-3.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



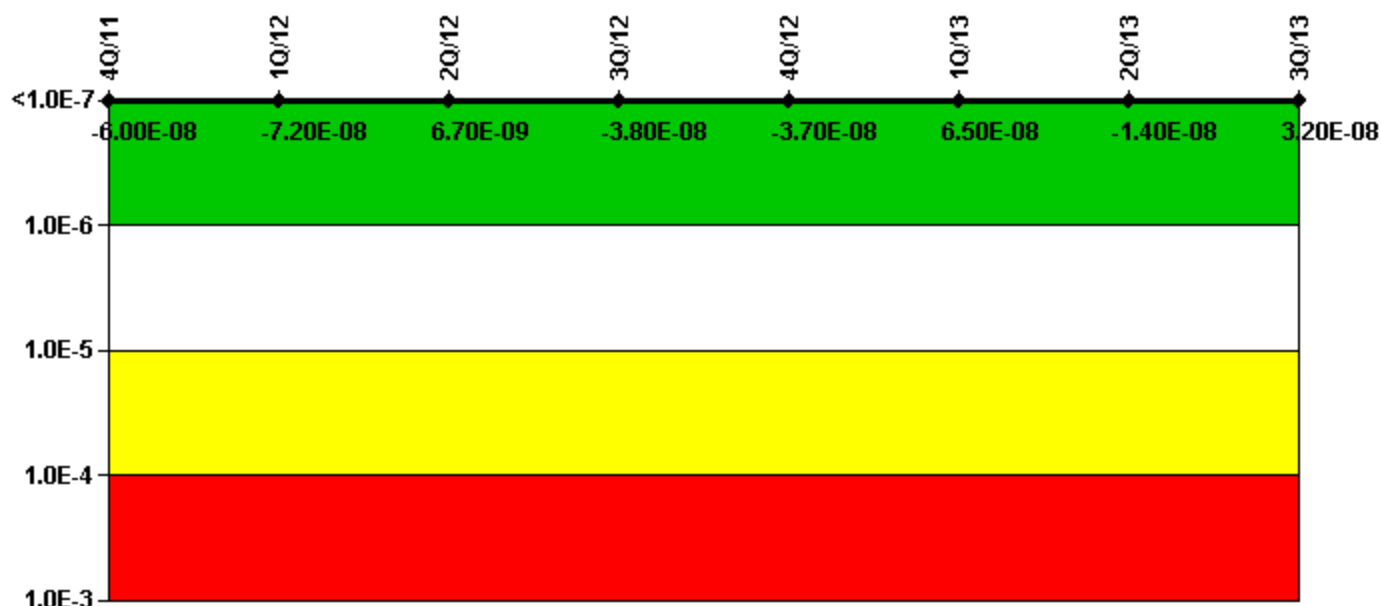
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	-5.03E-09	-3.71E-09	1.79E-09	-1.37E-09	4.38E-09	-2.00E-09	-1.63E-08	-1.35E-08
URI (ΔCDF)	-4.03E-08	-4.03E-08	-4.03E-08	-4.03E-08	-4.20E-08	-4.40E-08	-4.40E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-08	-4.40E-08	-3.90E-08	-4.20E-08	-3.80E-08	-4.60E-08	-6.00E-08	-5.80E-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	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	2.02E-08	8.46E-09	8.71E-08	4.28E-08	4.14E-08	1.43E-07	6.37E-08	1.10E-07
URI (Δ CDF)	-8.04E-08	-8.04E-08	-8.04E-08	-8.04E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-08	-7.20E-08	6.70E-09	-3.80E-08	-3.70E-08	6.50E-08	-1.40E-08	3.20E-08

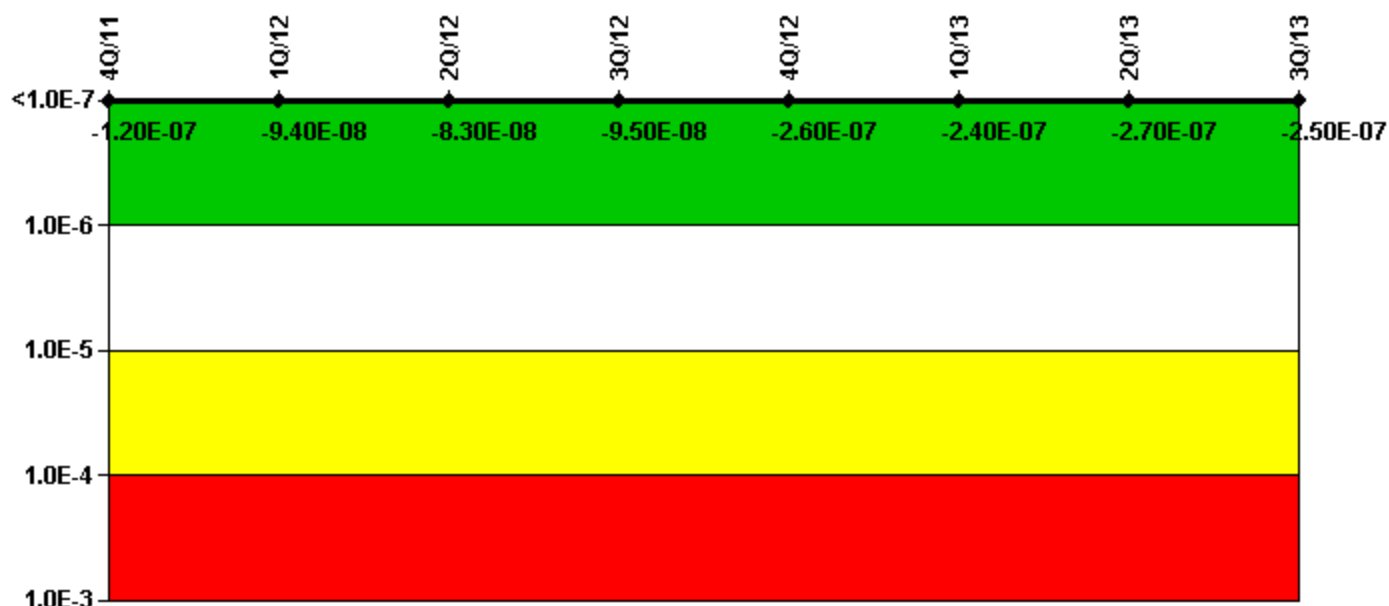
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: 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)	-7.59E-08	-5.39E-08	-4.20E-08	-5.41E-08	-3.91E-08	-1.11E-08	-4.60E-08	-2.23E-08
URI (Δ CDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-9.40E-08	-8.30E-08	-9.50E-08	-2.60E-07	-2.40E-07	-2.70E-07	-2.50E-07

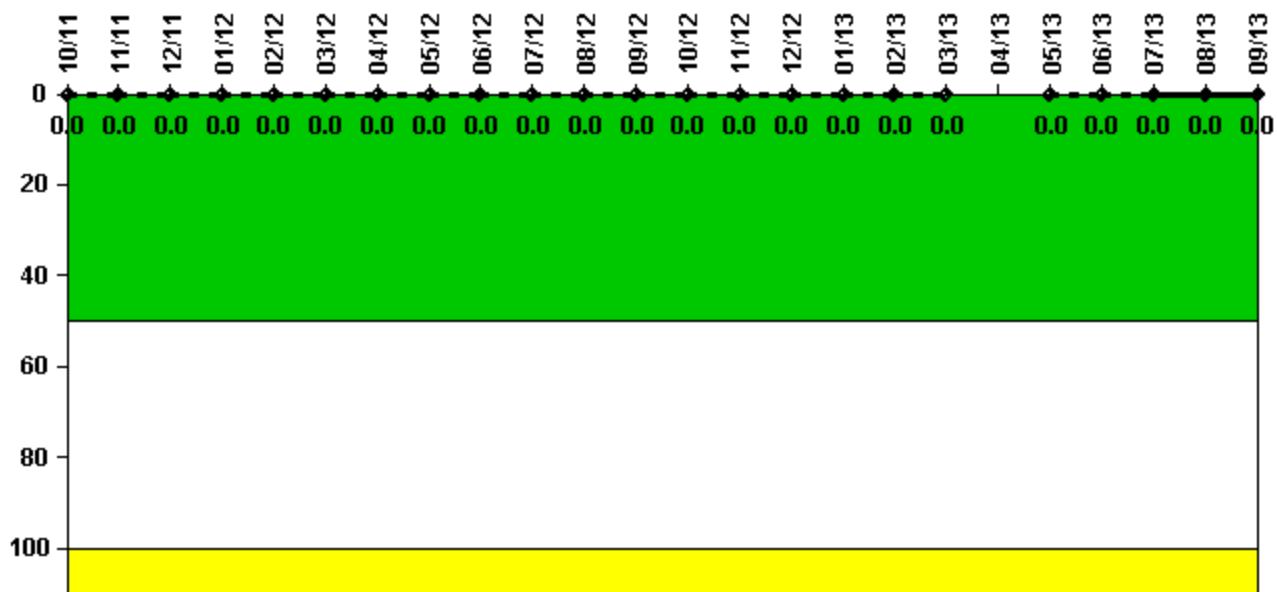
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

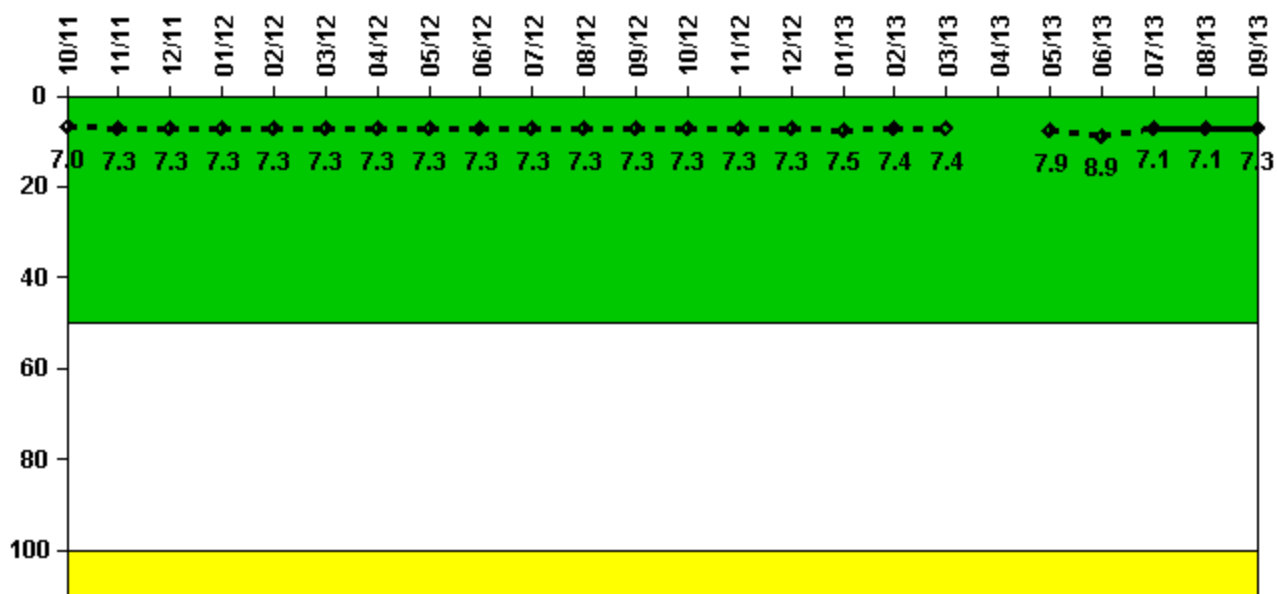
Notes

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	0.000020	0.000022	0.000024	0.000037	0.000045	0.000043	0.000026	0.000029	0.000032	0.000030	0.000028	0.000029
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	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	0.000039	0.000027	0.000031	0.000025	0.000028	0.000029	N/A	0.000045	0.000017	0.000016	0.000016	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	N/A	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



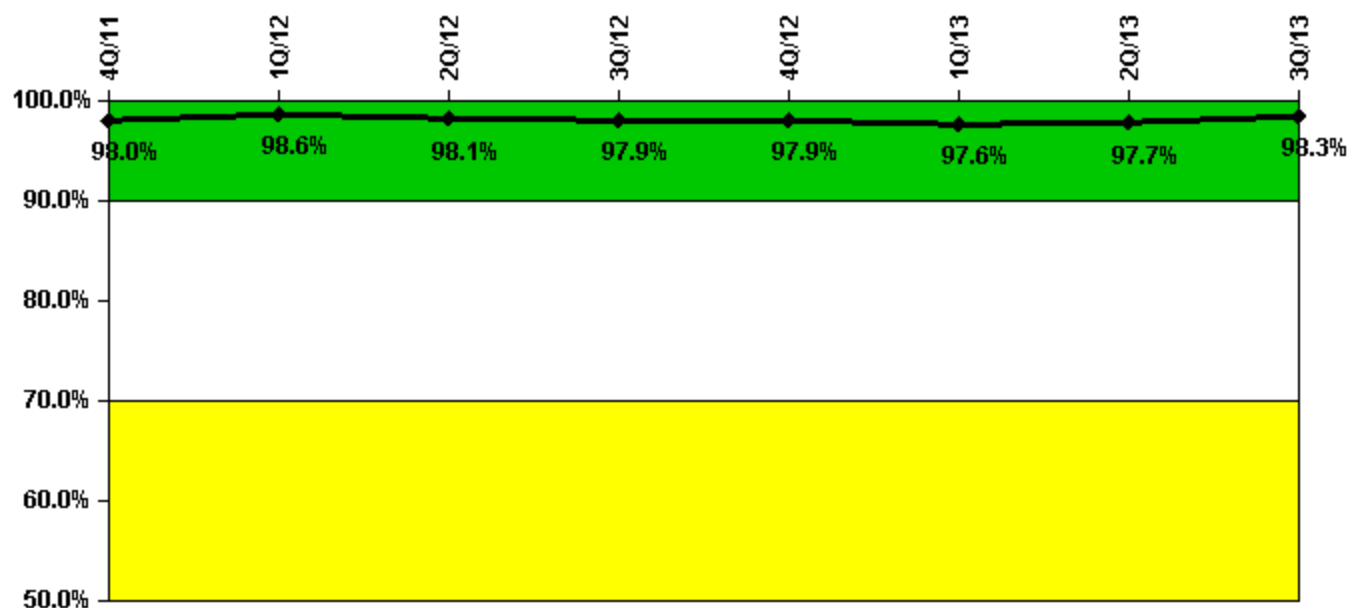
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	2.090	2.180	2.180	2.180	2.200	2.200	2.190	2.190	2.190	2.190	2.180	2.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
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	2.200	2.200	2.200	2.250	2.210	2.210	N/A	2.380	2.680	2.140	2.130	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.5	7.4	7.4	N/A	7.9	8.9	7.1	7.1	7.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

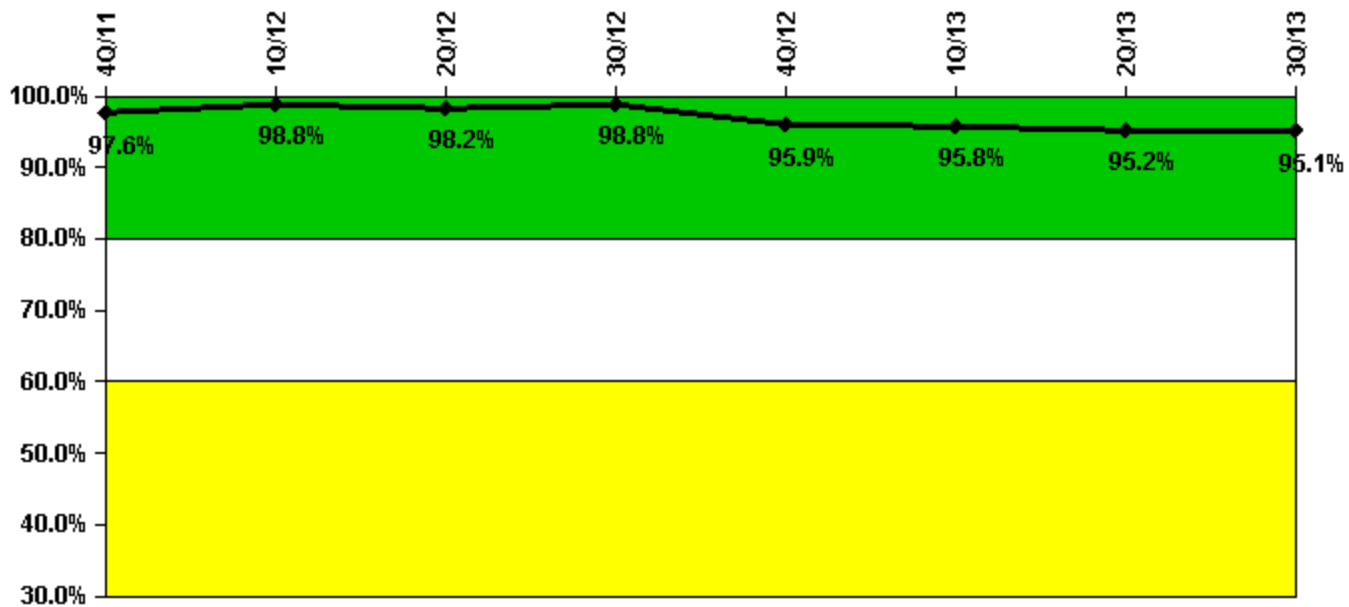
Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	21.0	46.0	22.0	25.0	19.0	7.0	6.0	28.0
Total opportunities	22.0	46.0	23.0	26.0	19.0	7.0	6.0	28.0
Indicator value	98.0%	98.6%	98.1%	97.9%	97.9%	97.6%	97.7%	98.3%

Licensee Comments:

2Q/12: Corrected the number total opportunities from 2 to 3 initially reported for June 2012. Added a missed DEP opportunity for not declaring an Unusual Event for in-plant changing radiological conditions on June 3, 2012 that met EPlan entry criteria, discovered after the fact. PI color remains GREEN.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

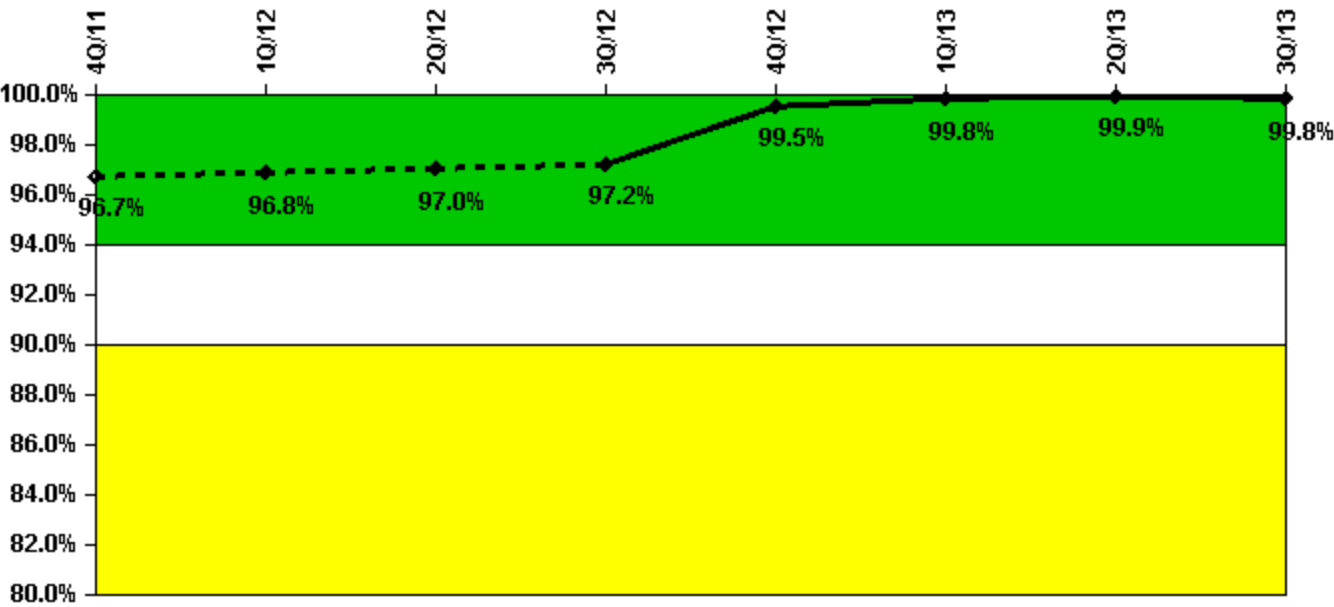
Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	162.0	161.0	165.0	162.0	163.0	159.0	159.0	155.0
Total Key personnel	166.0	163.0	168.0	164.0	170.0	166.0	167.0	163.0
Indicator value	97.6%	98.8%	98.2%	98.8%	95.9%	95.8%	95.2%	95.1%

Licensee Comments:

3Q/12: Changed the number of participating and total key ERO personnel initially reported in September 2012. An individual was removed from the key ERO population for unavailability to respond to an emergency event. PI color remains GREEN.

Alert & Notification System



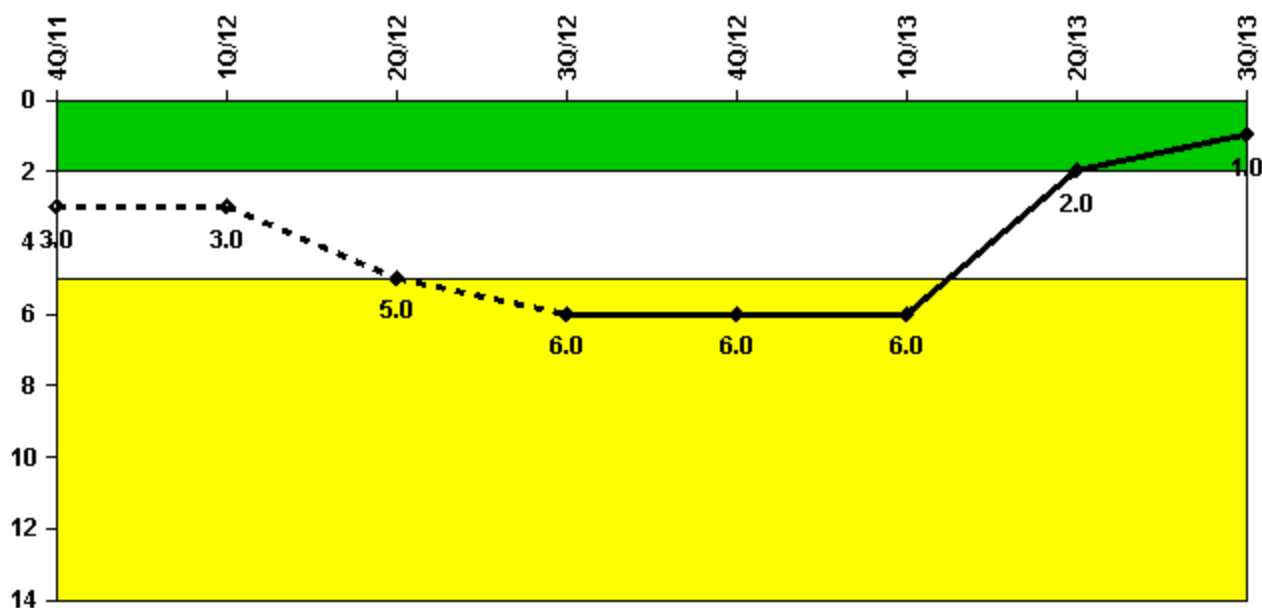
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	483	525	530	520	531	531	532	593
Total sirens-tests	532	532	532	521	532	532	532	596
Indicator value	96.7%	96.8%	97.0%	97.2%	99.5%	99.8%	99.9%	99.8%

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	5	1	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	3	3	5	6	6	6	2	1

Licensee Comments:

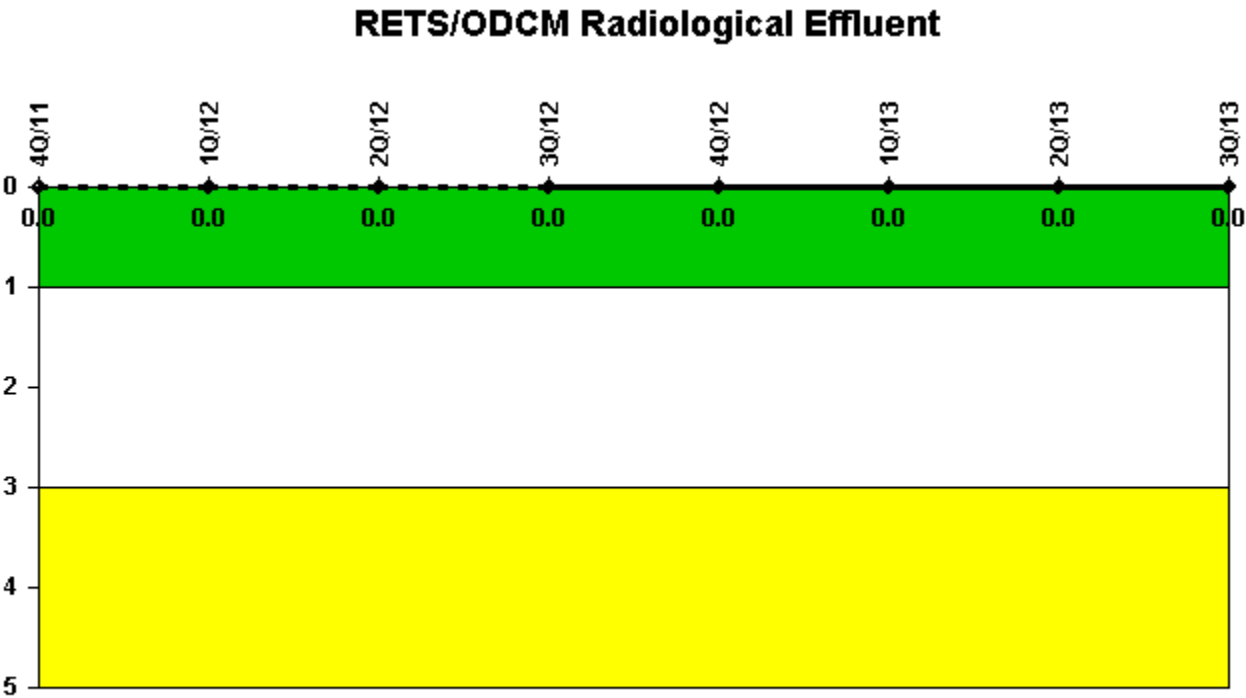
3Q/12: The 2012-09 PI occurrence for potential inadequate LHRA controls established for a loaded HI-STORM container is currently being evaluated at the root cause level. The PI value may change depending on results of the root cause evaluation.

2Q/12: The number of TS HRA occurrences reported for June remains under evaluation at this time. A Frequently Asked Question (FAQ) submittal is planned to address the associated issues, which include having the same cause in a common time frame for the occurrences. The PI value may be modified as a result. With submittal of the Second Quarter 2012 PI data, the indicator performance has exceeded the green/white threshold and has moved to the Increased Regulatory Response Band. The PI color is WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction. Corrected the number of TS HRA occurrences reported for April 2012 from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area in the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. PI color remains WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 2 to 3 based on the final outcome of Frequently Asked Question (FAQ) 12-04. The FAQ process was entered to evaluate the number of occurrences that should be reported for the June 2-7, 2012, Radwaste El. 574 resin event. NRC ROP review of the FAQ determined that 3 TS HRA occurrences should be reported. Also the number of TS HRA occurrences reported for April 2012 was corrected earlier from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area of the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. With these corrections, the total number of TS HRA occurrences at the end of the Second Quarter 2012 is 5, which is at WHITE/YELLOW (Increased Regulatory Response Band/Required Regulatory Response Band) performance threshold. The PI color transitions to YELLOW in September 2012 when a TS HRA occurrence was experienced for failure to adequately control access to the top of a loaded HI-STORM container whose radiation levels met criteria for a TS HRA. In April 2013, performance returns to the WHITE/YELLOW threshold with a total of 5 occurrences in the past 12 months.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction.



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: 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 22, 2013

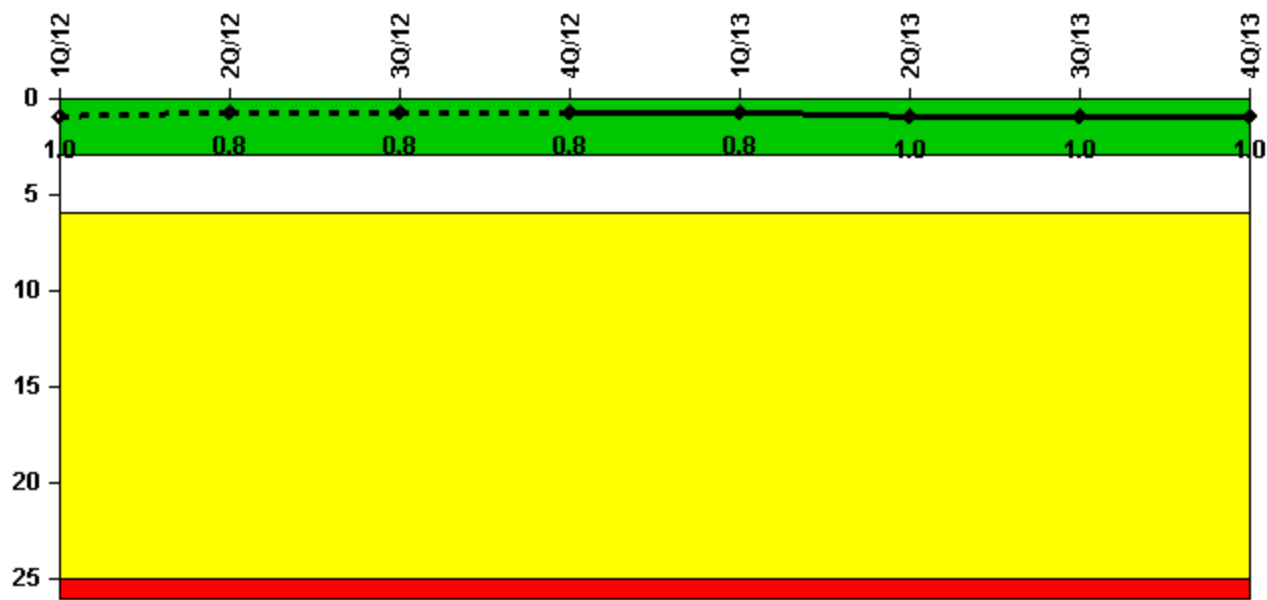
Perry 1

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



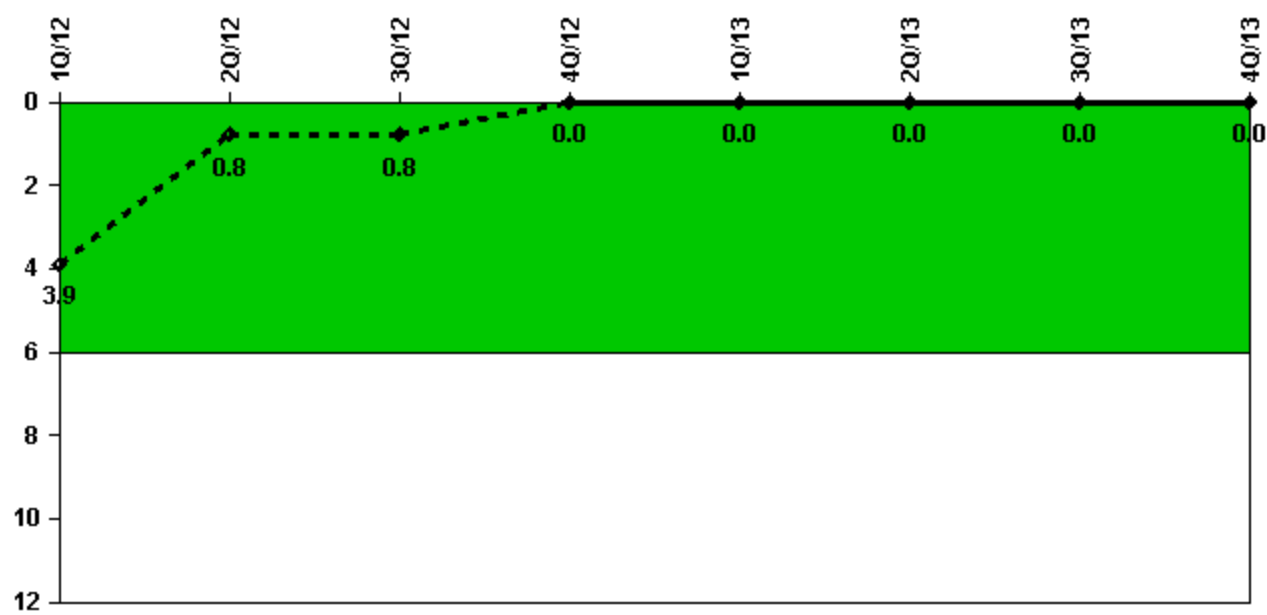
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2131.0	2111.7	2208.0	2209.0	1719.9	1098.3	2167.6	2209.0
Indicator value	1.0	0.8	0.8	0.8	0.8	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



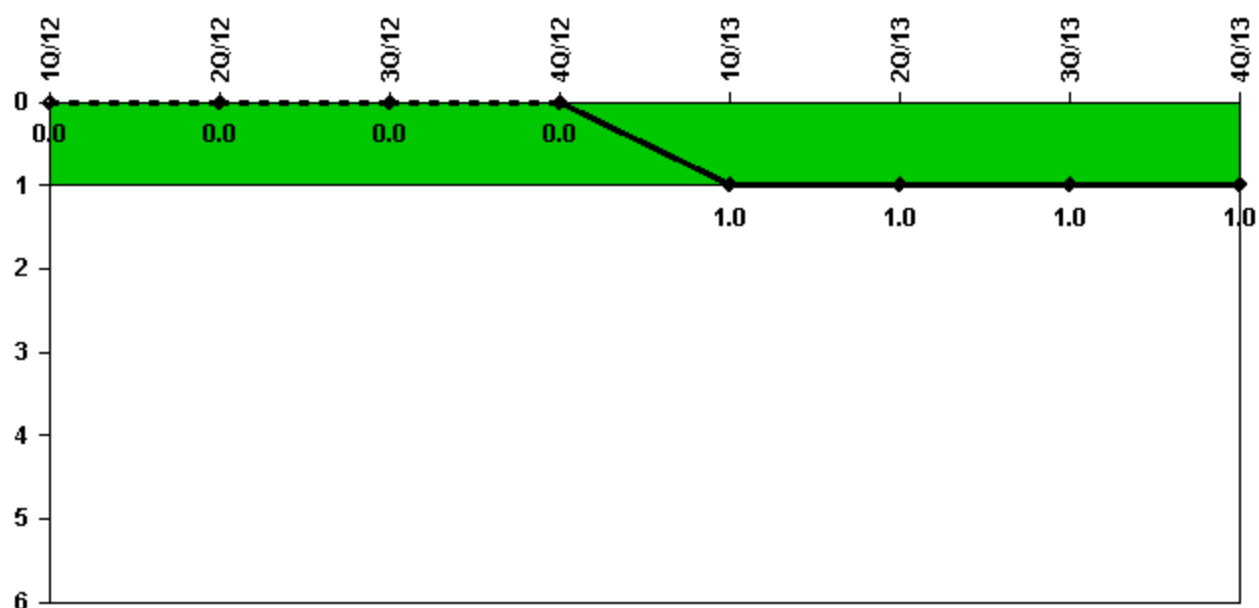
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2131.0	2111.7	2208.0	2209.0	1719.9	1098.3	2167.6	2209.0
Indicator value	3.9	0.8	0.8	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

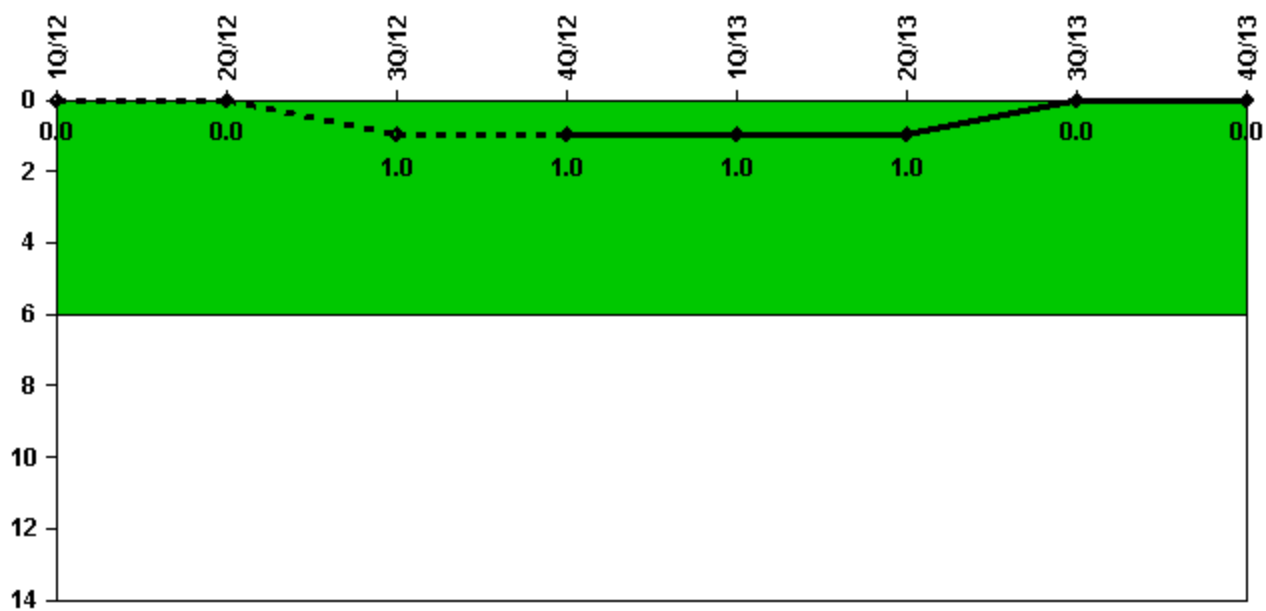
Notes

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	1.0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0

Licensee Comments:

1Q/13: Further review of the January 22, 2013 scram against NEI 99-02 Revision 6 criteria determined that it counts as a USwC. A change file is submitted to correct the PI data initially reported.

Safety System Functional Failures (BWR)



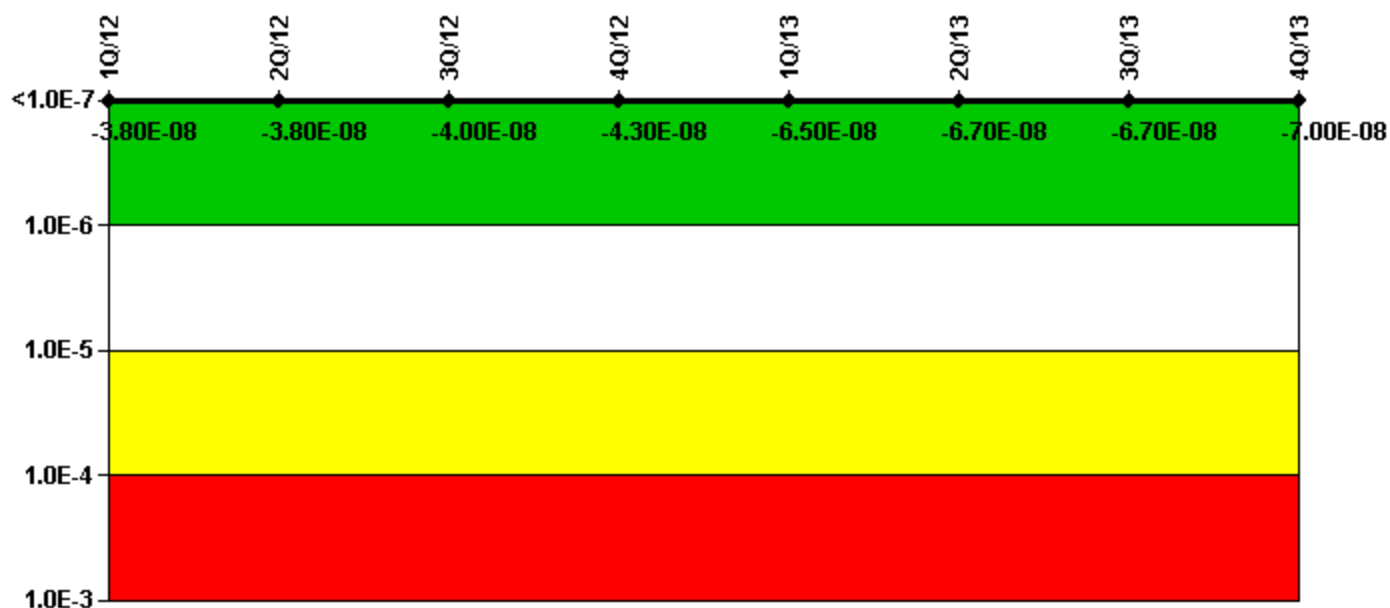
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
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/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	2.19E-08	2.26E-08	1.97E-08	4.00E-08	1.75E-08	1.56E-08	1.60E-08	1.28E-08
URI (Δ CDF)	-6.01E-08	-6.01E-08	-6.01E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-08	-3.80E-08	-4.00E-08	-4.30E-08	-6.50E-08	-6.70E-08	-6.70E-08	-7.00E-08

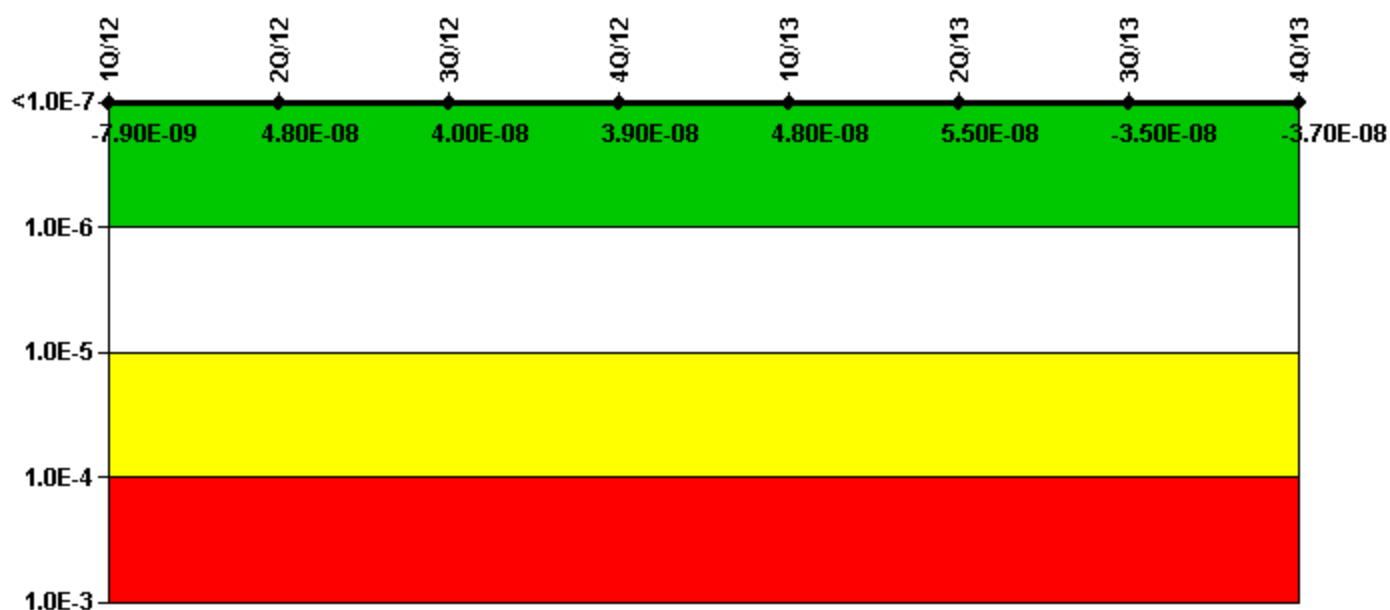
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



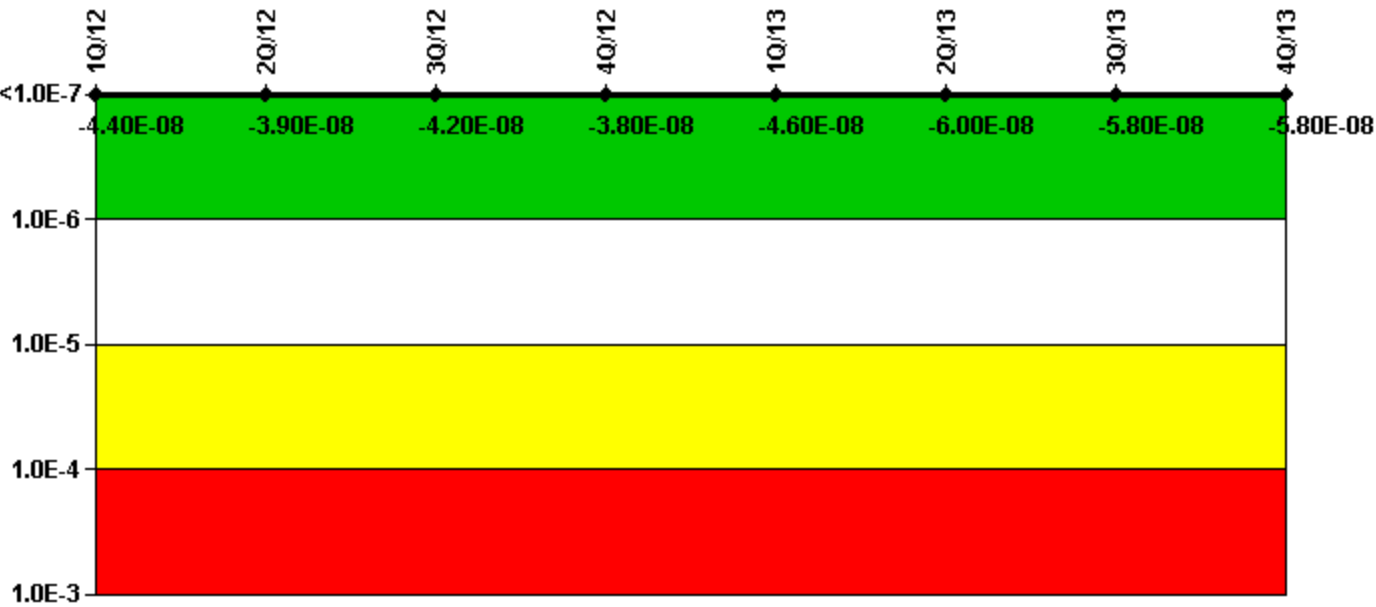
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	5.47E-08	1.11E-07	1.02E-07	9.77E-08	1.08E-07	1.14E-07	2.43E-08	2.29E-08
URI (Δ CDF)	-6.26E-08	-6.26E-08	-6.26E-08	-5.91E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.90E-09	4.80E-08	4.00E-08	3.90E-08	4.80E-08	5.50E-08	-3.50E-08	-3.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



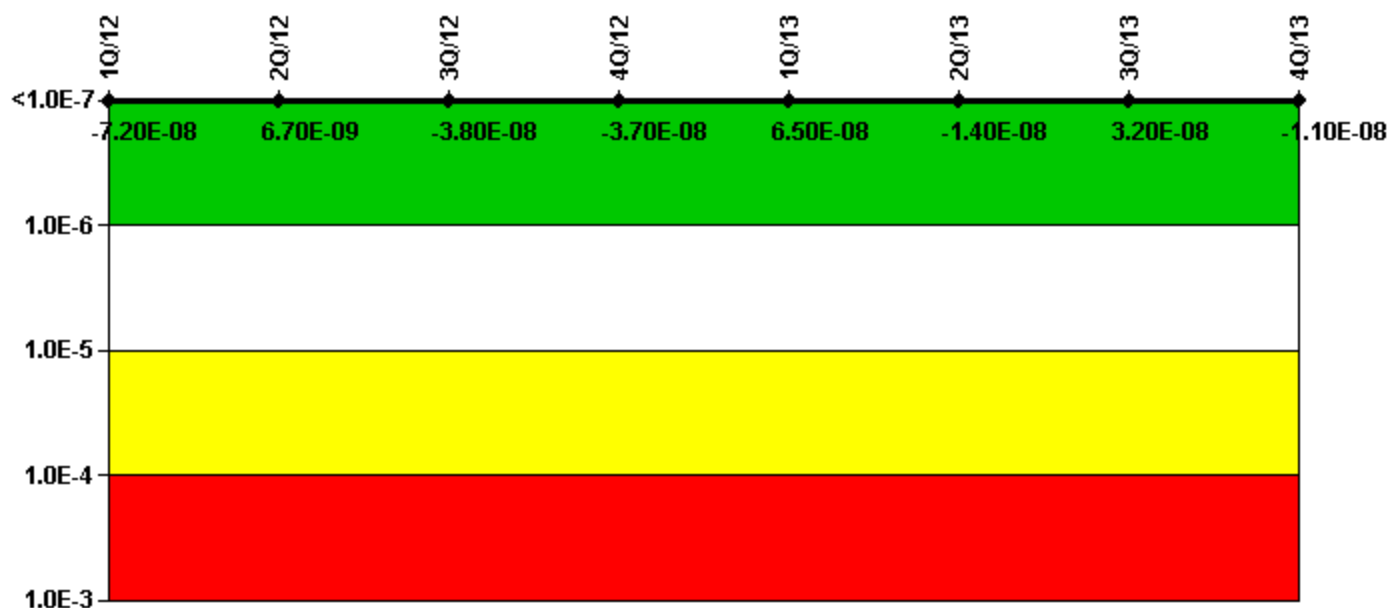
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	-3.71E-09	1.79E-09	-1.37E-09	4.38E-09	-2.00E-09	-1.63E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-4.03E-08	-4.03E-08	-4.03E-08	-4.20E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-08	-3.90E-08	-4.20E-08	-3.80E-08	-4.60E-08	-6.00E-08	-5.80E-08	-5.80E-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/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	8.46E-09	8.71E-08	4.28E-08	4.14E-08	1.43E-07	6.37E-08	1.10E-07	6.70E-08
URI (Δ CDF)	-8.04E-08	-8.04E-08	-8.04E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.20E-08	6.70E-09	-3.80E-08	-3.70E-08	6.50E-08	-1.40E-08	3.20E-08	-1.10E-08

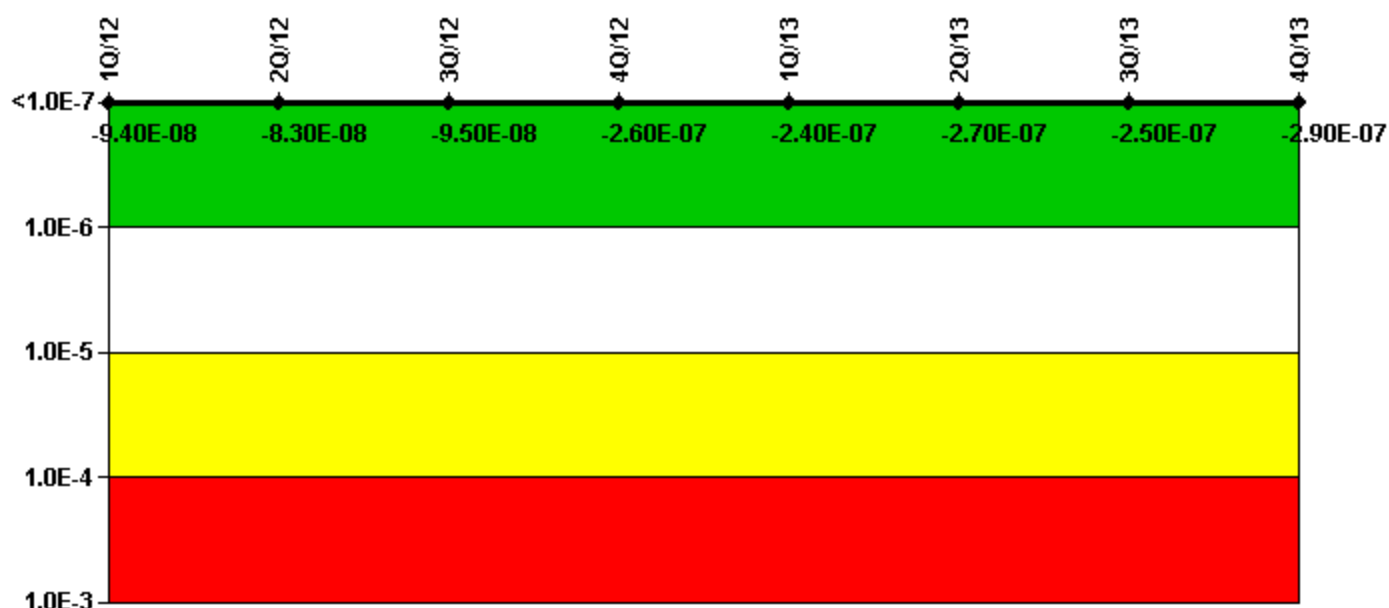
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: 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)	-5.39E-08	-4.20E-08	-5.41E-08	-3.91E-08	-1.11E-08	-4.60E-08	-2.23E-08	-6.58E-08
URI (Δ CDF)	-4.06E-08	-4.06E-08	-4.06E-08	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.40E-08	-8.30E-08	-9.50E-08	-2.60E-07	-2.40E-07	-2.70E-07	-2.50E-07	-2.90E-07

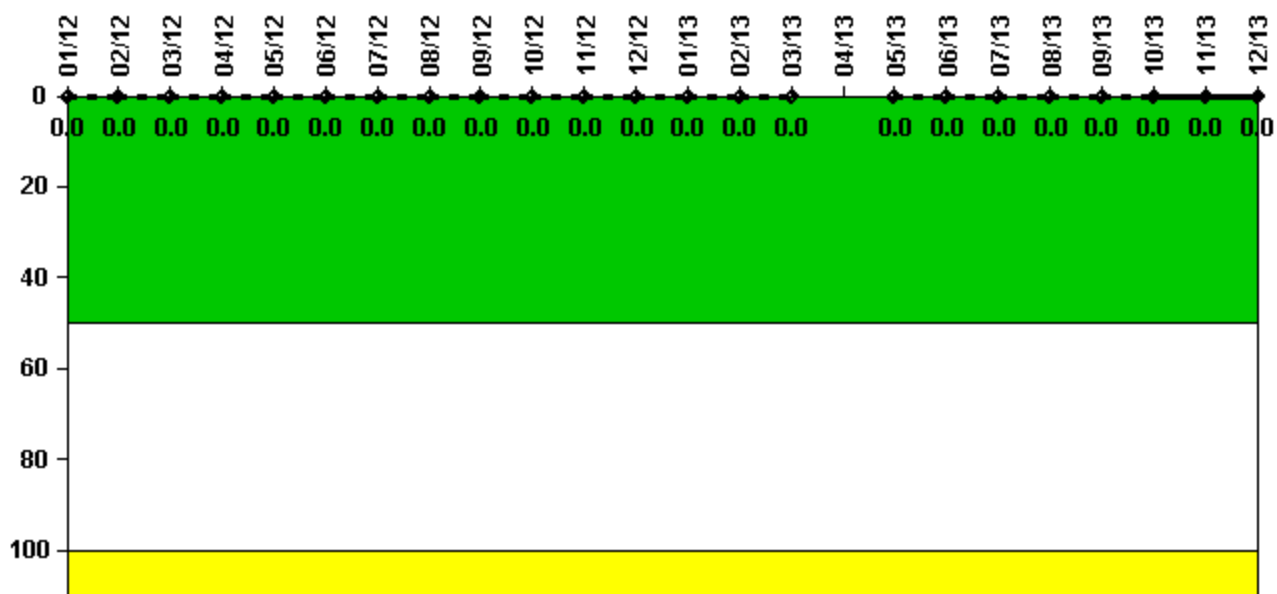
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Reactor Coolant System Activity



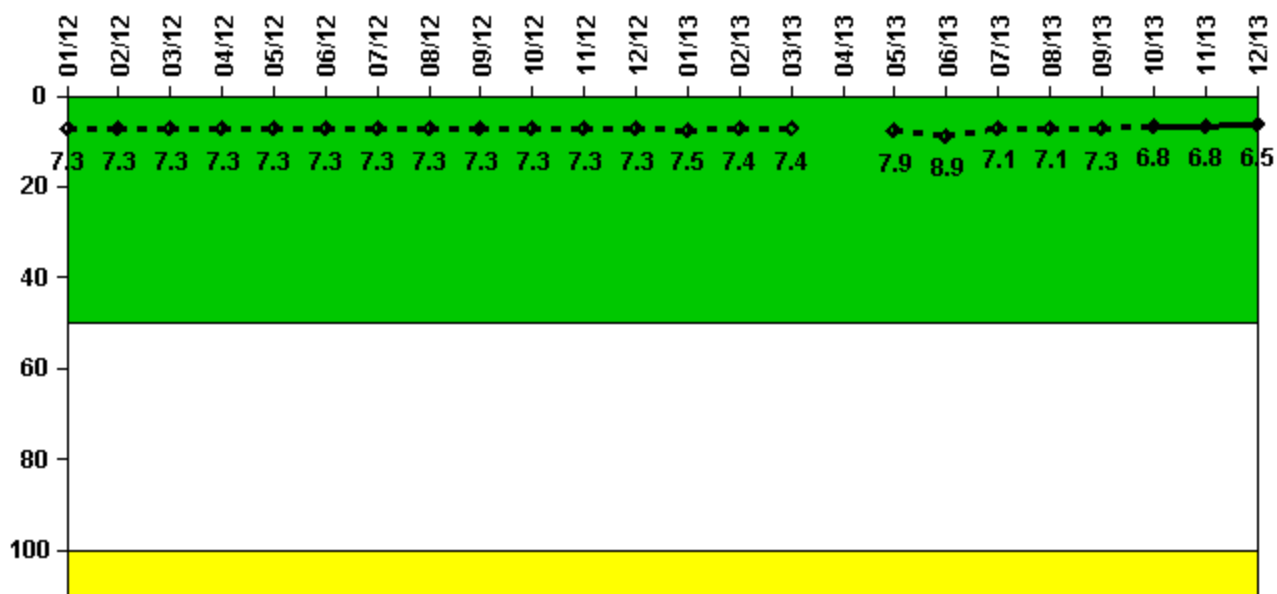
Thresholds: White > 50.0 Yellow > 100.0

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	0.000037	0.000045	0.000043	0.000026	0.000029	0.000032	0.000030	0.000028	0.000029	0.000039	0.000027	0.000031
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	0.000025	0.000028	0.000029	N/A	0.000045	0.000017	0.000016	0.000016	0.000015	0.000017	0.000017	0.000025
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	N/A	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

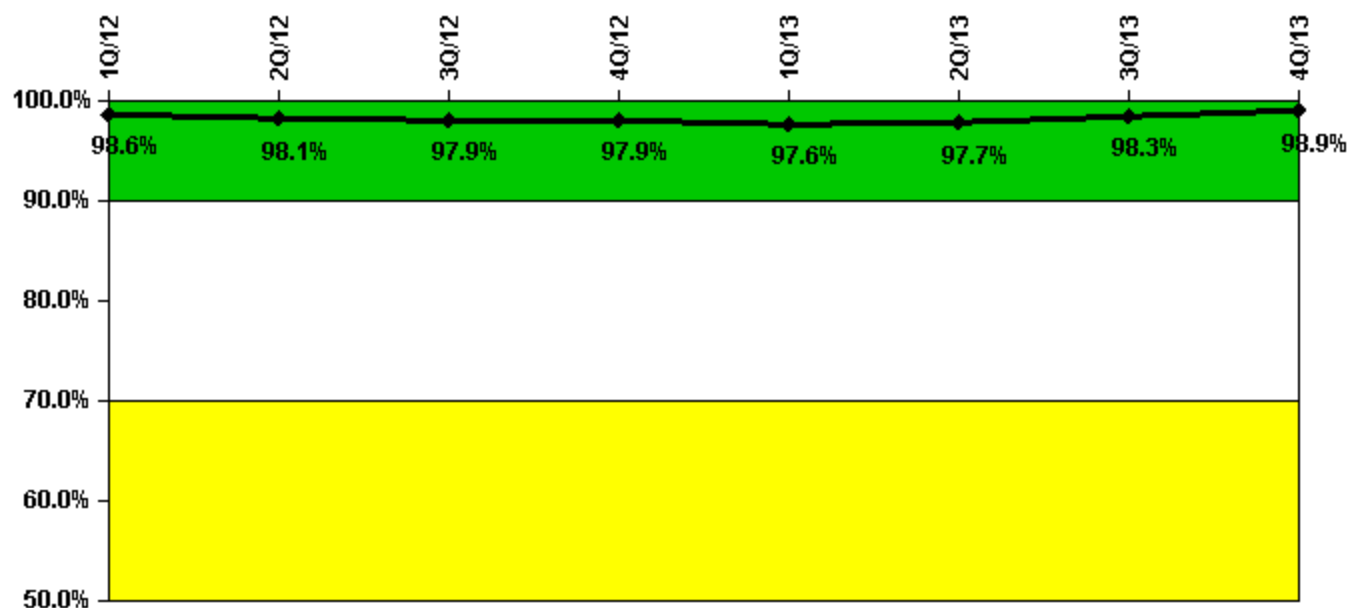
Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	2.180	2.200	2.200	2.190	2.190	2.190	2.190	2.180	2.180	2.200	2.200	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
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	2.250	2.210	2.210	N/A	2.380	2.680	2.130	2.130	2.200	2.050	2.050	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.5	7.4	7.4	N/A	7.9	8.9	7.1	7.1	7.3	6.8	6.8	6.5

Licensee Comments:

9/13: On November 19, 2013 it was discovered that an incorrect value had been submitted for Maximum RCS Identified Leakage for July 2013. 2.14 gpm had been entered, the correct value is 2.13 gpm. The change does not affect the PI value.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

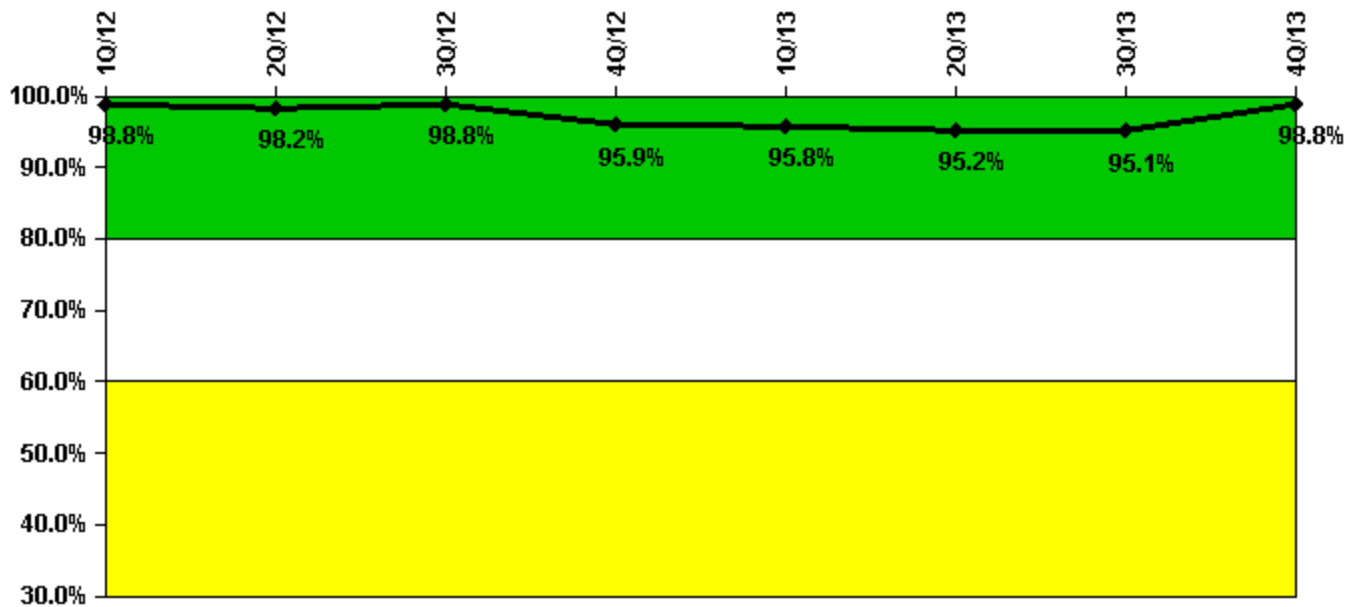
Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	46.0	22.0	25.0	19.0	7.0	6.0	28.0	20.0
Total opportunities	46.0	23.0	26.0	19.0	7.0	6.0	28.0	20.0
Indicator value	98.6%	98.1%	97.9%	97.9%	97.6%	97.7%	98.3%	98.9%

Licensee Comments:

2Q/12: Corrected the number total opportunities from 2 to 3 initially reported for June 2012. Added a missed DEP opportunity for not declaring an Unusual Event for in-plant changing radiological conditions on June 3, 2012 that met EPlan entry criteria, discovered after the fact. PI color remains GREEN.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

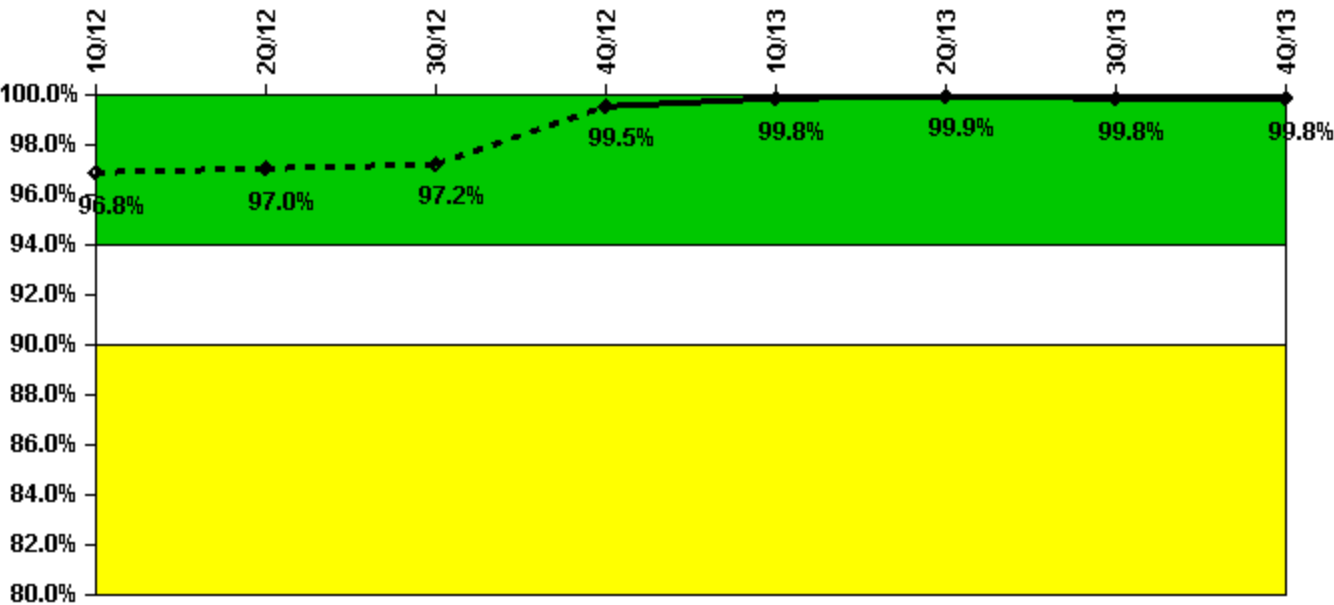
Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	161.0	165.0	162.0	163.0	159.0	159.0	155.0	159.0
Total Key personnel	163.0	168.0	164.0	170.0	166.0	167.0	163.0	161.0
Indicator value	98.8%	98.2%	98.8%	95.9%	95.8%	95.2%	95.1%	98.8%

Licensee Comments:

3Q/12: Changed the number of participating and total key ERO personnel initially reported in September 2012. An individual was removed from the key ERO population for unavailability to respond to an emergency event. PI color remains GREEN.

Alert & Notification System



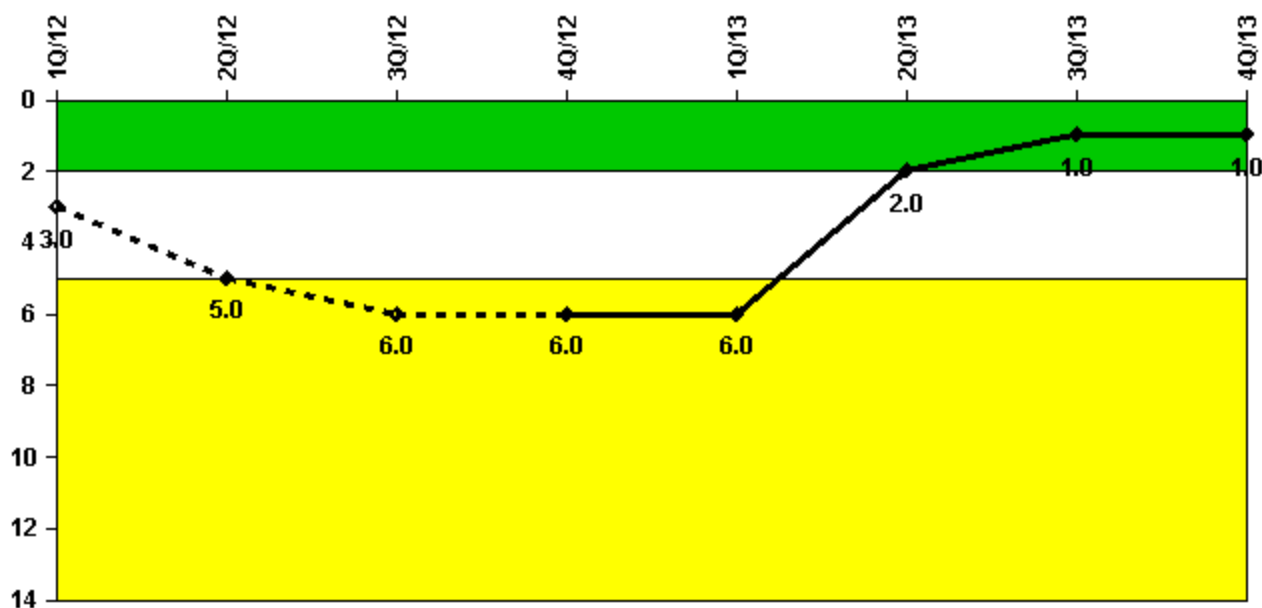
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	525	530	520	531	531	532	593	532
Total sirens-tests	532	532	521	532	532	532	596	532
Indicator value	96.8%	97.0%	97.2%	99.5%	99.8%	99.9%	99.8%	99.8%

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	5	1	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	3	5	6	6	6	2	1	1

Licensee Comments:

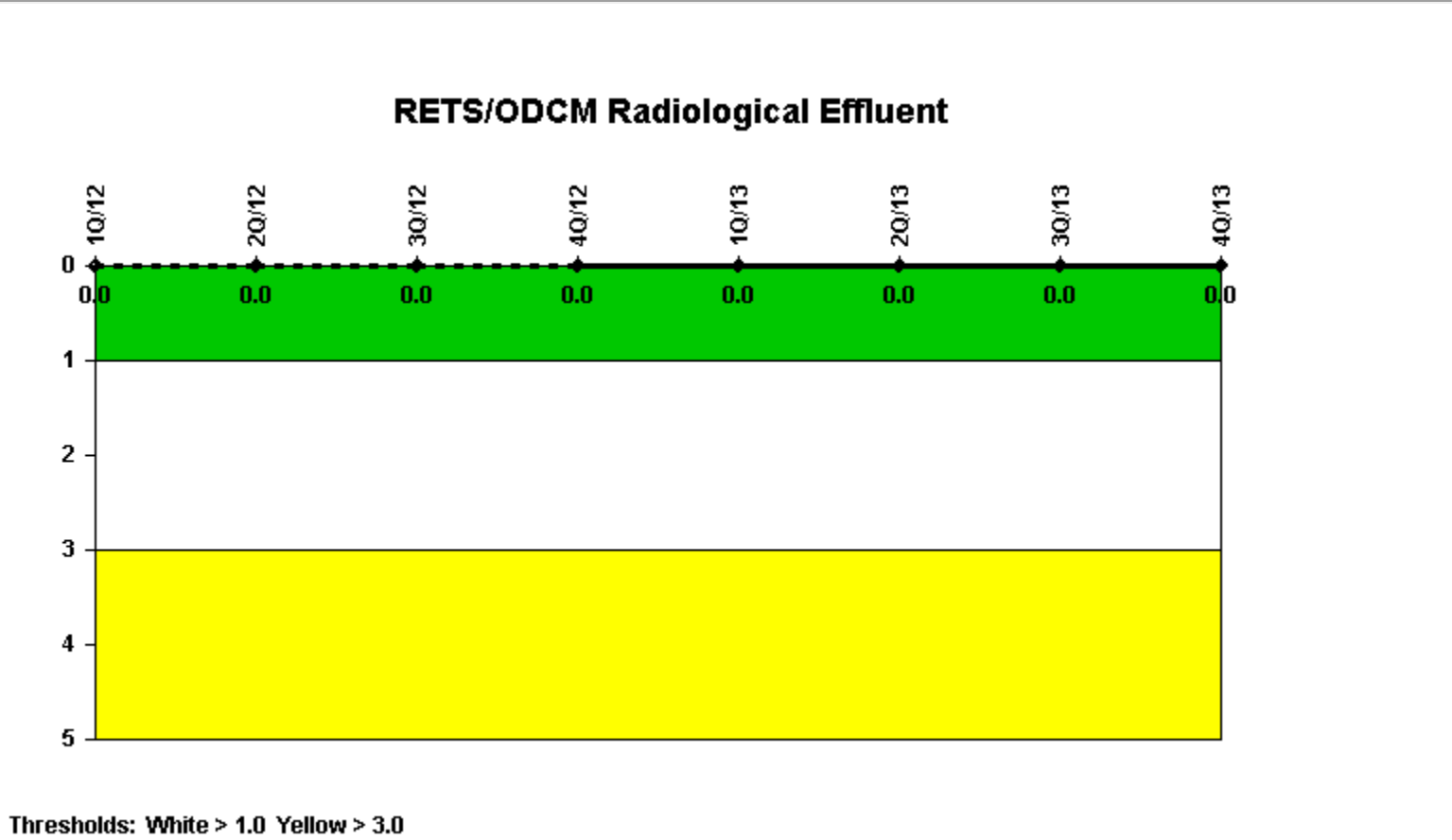
3Q/12: The 2012-09 PI occurrence for potential inadequate LHRA controls established for a loaded HI-STORM container is currently being evaluated at the root cause level. The PI value may change depending on results of the root cause evaluation.

2Q/12: The number of TS HRA occurrences reported for June remains under evaluation at this time. A Frequently Asked Question (FAQ) submittal is planned to address the associated issues, which include having the same cause in a common time frame for the occurrences. The PI value may be modified as a result. With submittal of the Second Quarter 2012 PI data, the indicator performance has exceeded the green/white threshold and has moved to the Increased Regulatory Response Band. The PI color is WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction. Corrected the number of TS HRA occurrences reported for April 2012 from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area in the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. PI color remains WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 2 to 3 based on the final outcome of Frequently Asked Question (FAQ) 12-04. The FAQ process was entered to evaluate the number of occurrences that should be reported for the June 2-7, 2012, Radwaste El. 574 resin event. NRC ROP review of the FAQ determined that 3 TS HRA occurrences should be reported. Also the number of TS HRA occurrences reported for April 2012 was corrected earlier from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area of the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. With these corrections, the total number of TS HRA occurrences at the end of the Second Quarter 2012 is 5, which is at WHITE/YELLOW (Increased Regulatory Response Band/Required Regulatory Response Band) performance threshold. The PI color transitions to YELLOW in September 2012 when a TS HRA occurrence was experienced for failure to adequately control access to the top of a loaded HI-STORM container whose radiation levels met criteria for a TS HRA. In April 2013, performance returns to the WHITE/YELLOW threshold with a total of 5 occurrences in the past 12 months.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction.



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: 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 22, 2014

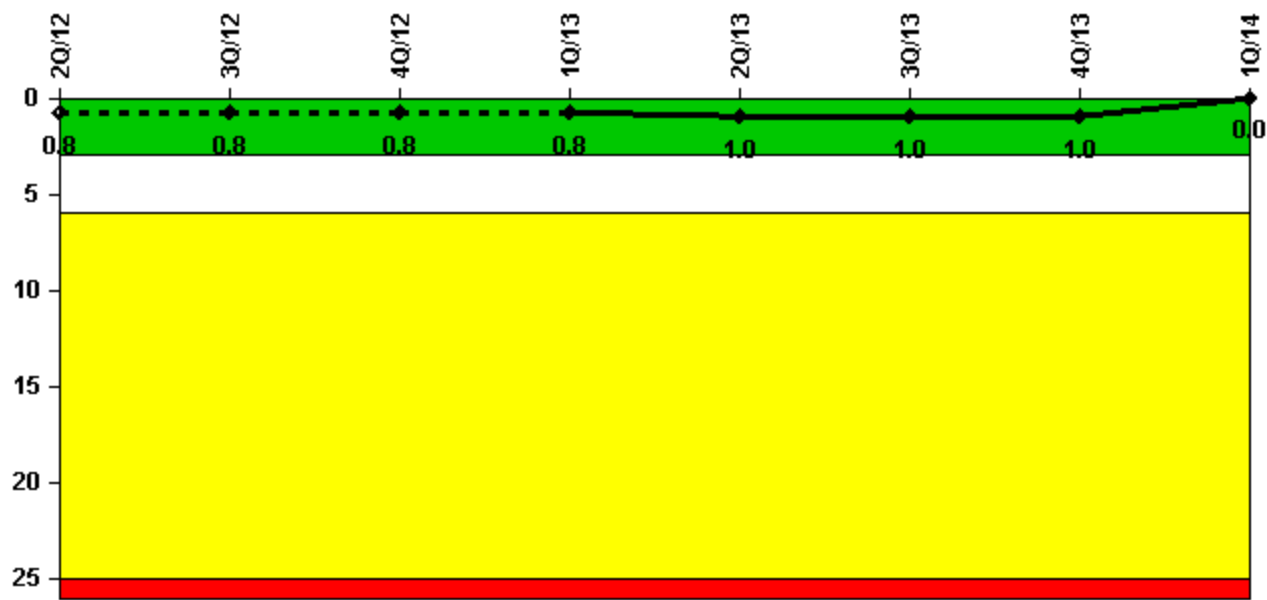
Perry 1

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



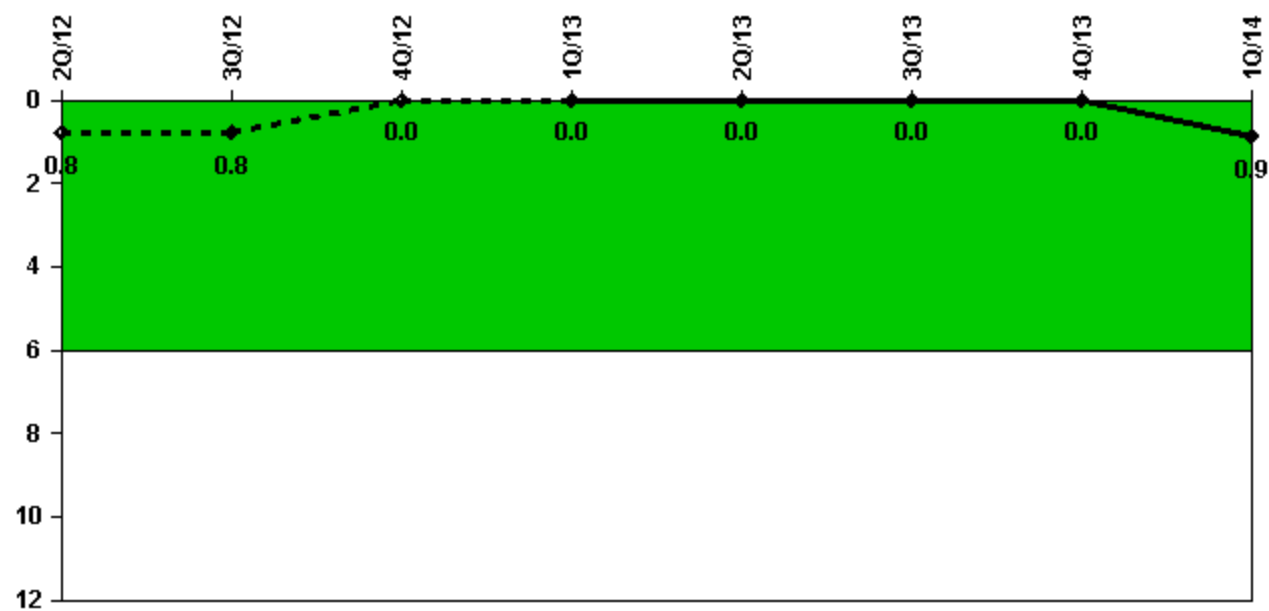
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0
Critical hours	2111.7	2208.0	2209.0	1719.9	1098.3	2167.6	2209.0	2159.0
Indicator value	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



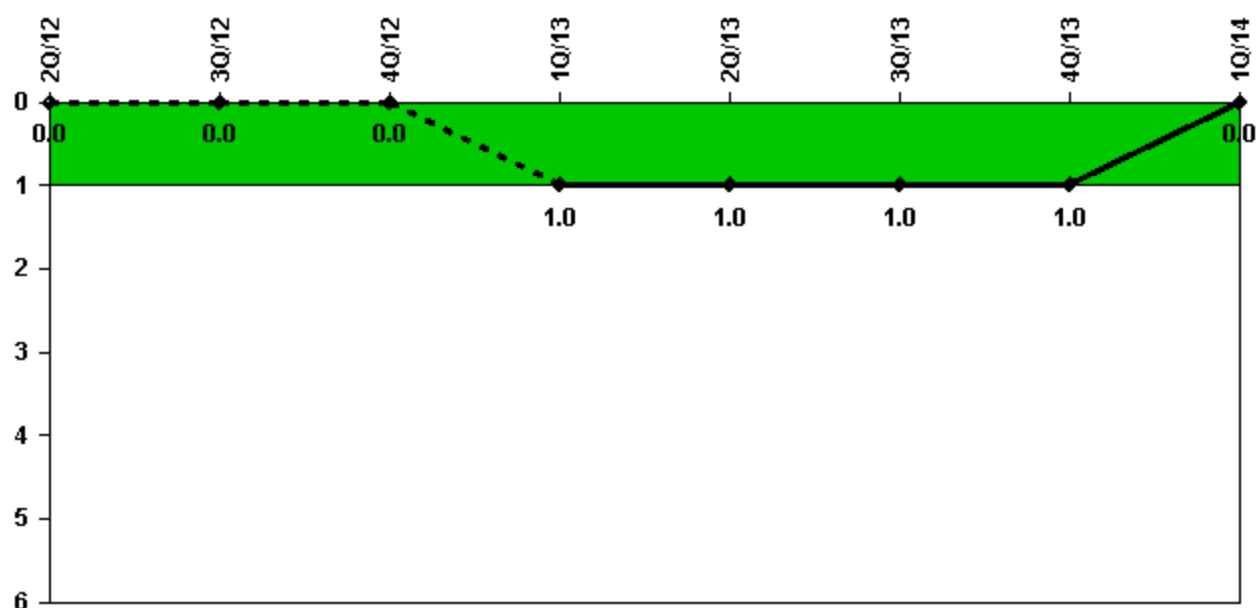
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2111.7	2208.0	2209.0	1719.9	1098.3	2167.6	2209.0	2159.0
Indicator value	0.8	0.8	0	0	0	0	0	0.9

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

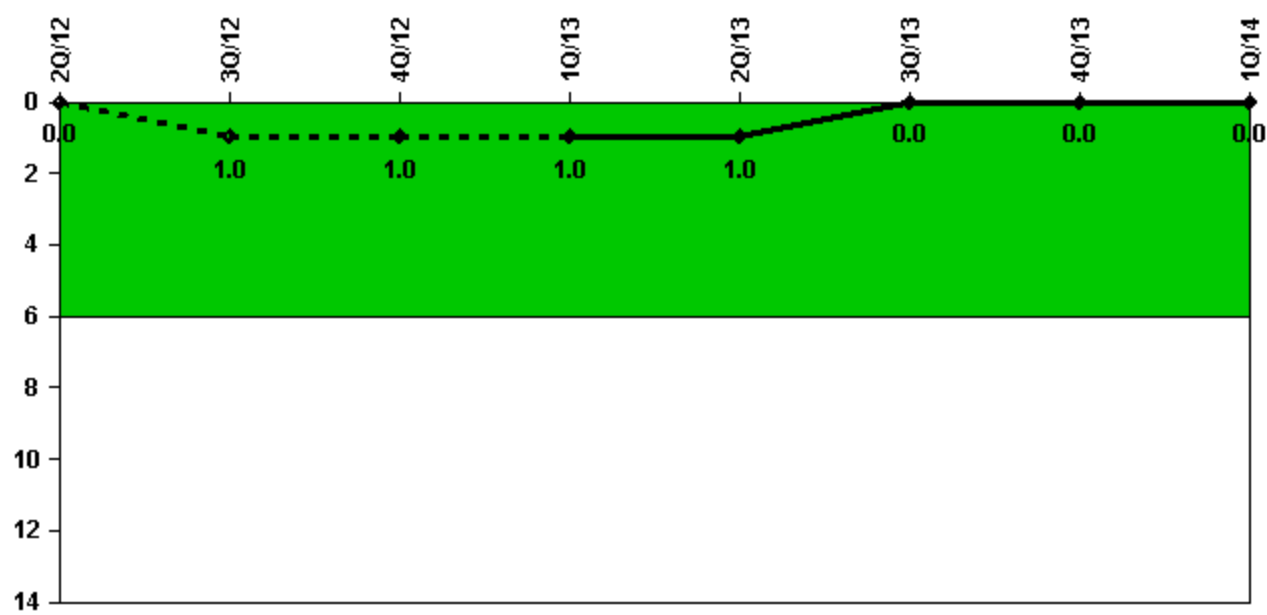
Notes

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	1.0	0	0	0	0
Indicator value	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0

Licensee Comments:

1Q/13: Further review of the January 22, 2013 scram against NEI 99-02 Revision 6 criteria determined that it counts as a USwC. A change file is submitted to correct the PI data initially reported.

Safety System Functional Failures (BWR)



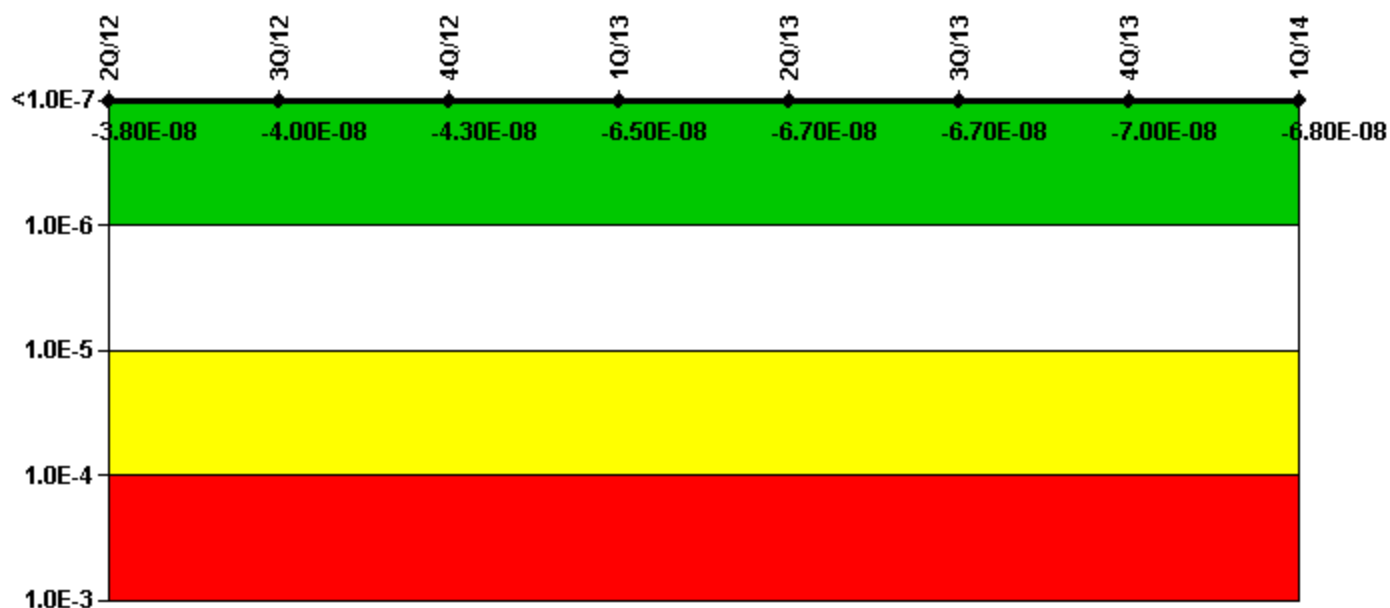
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
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/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	2.26E-08	1.97E-08	4.00E-08	1.75E-08	1.56E-08	1.60E-08	1.28E-08	1.53E-08
URI (Δ CDF)	-6.01E-08	-6.01E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-08	-4.00E-08	-4.30E-08	-6.50E-08	-6.70E-08	-6.70E-08	-7.00E-08	-6.80E-08

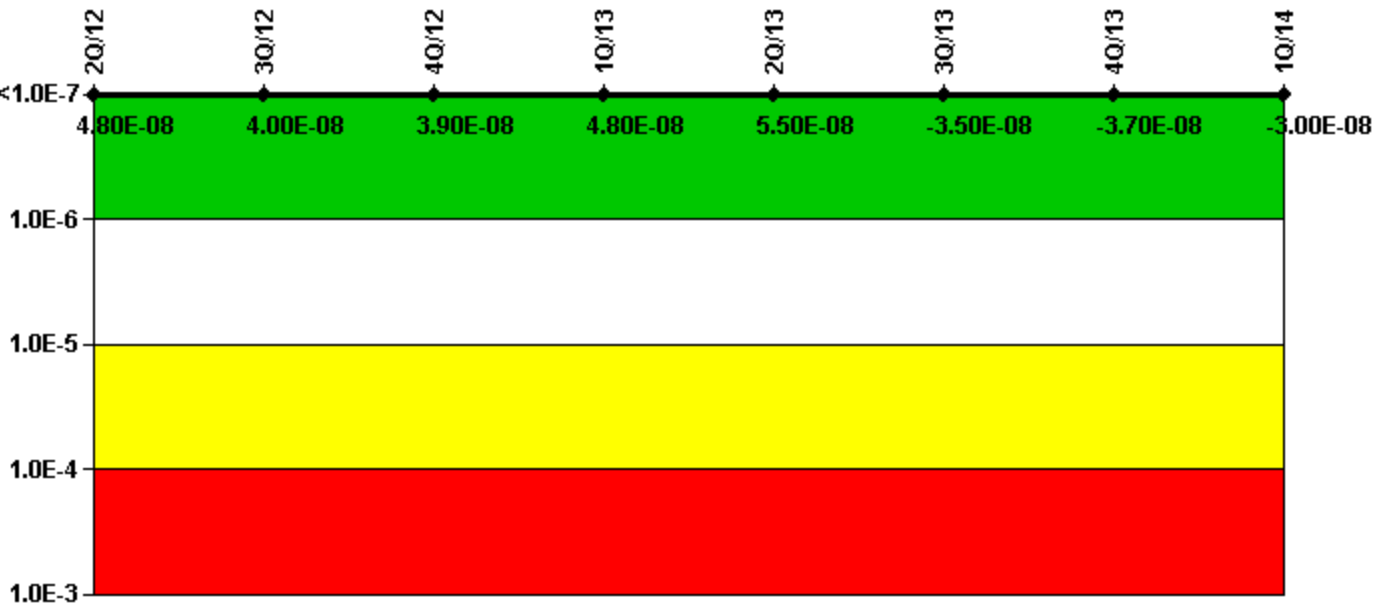
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



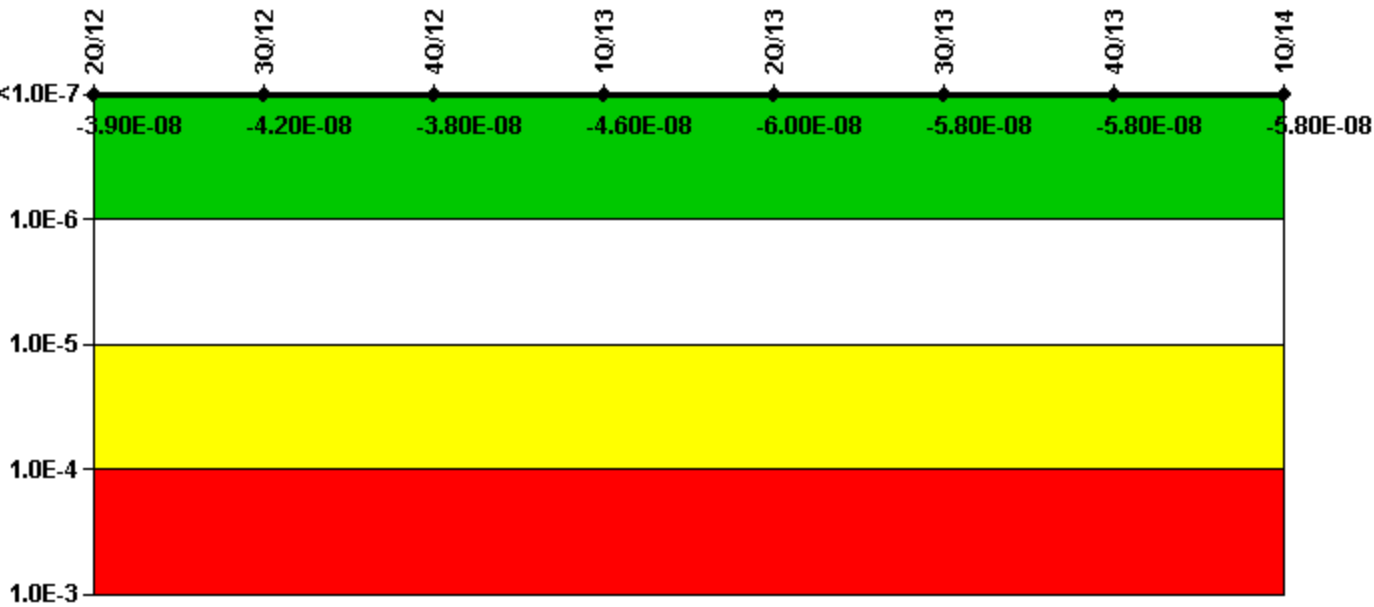
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.11E-07	1.02E-07	9.77E-08	1.08E-07	1.14E-07	2.43E-08	2.29E-08	2.91E-08
URI (ΔCDF)	-6.26E-08	-6.26E-08	-5.91E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.80E-08	4.00E-08	3.90E-08	4.80E-08	5.50E-08	-3.50E-08	-3.70E-08	-3.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

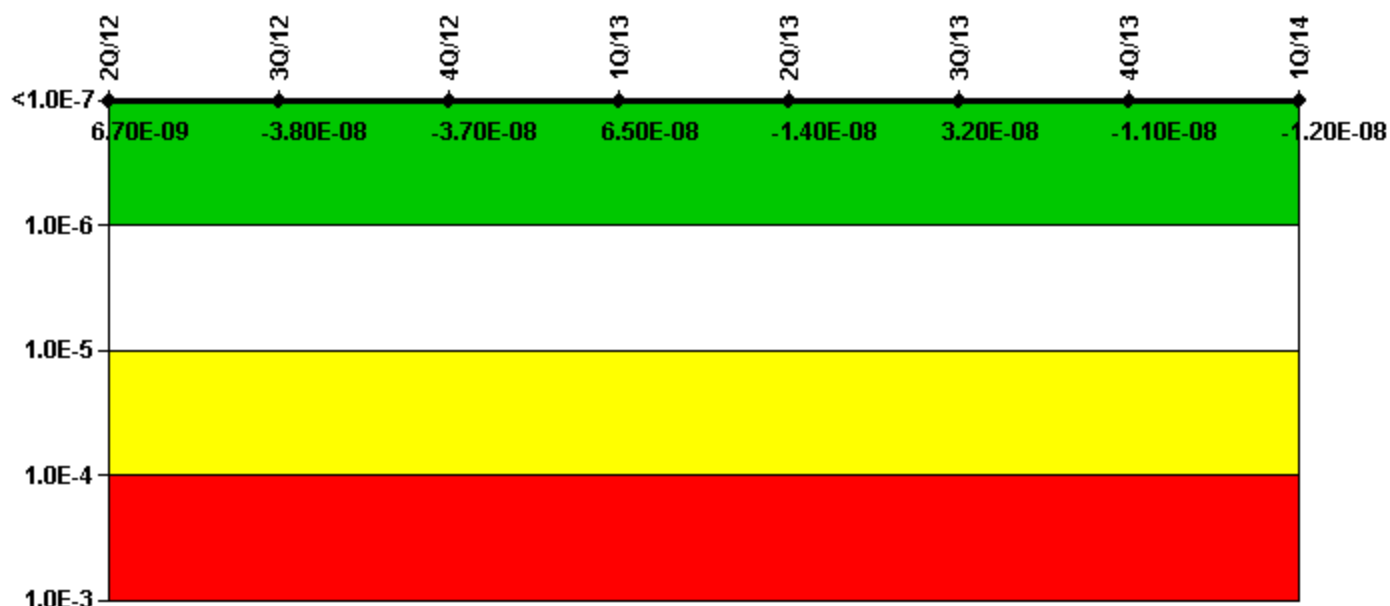
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	1.79E-09	-1.37E-09	4.38E-09	-2.00E-09	-1.63E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-4.03E-08	-4.03E-08	-4.20E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-08	-4.20E-08	-3.80E-08	-4.60E-08	-6.00E-08	-5.80E-08	-5.80E-08	-5.80E-08

Licensee Comments:

1Q/14: 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)	8.71E-08	4.28E-08	4.14E-08	1.43E-07	6.37E-08	1.10E-07	6.70E-08	6.58E-08
URI (Δ CDF)	-8.04E-08	-8.04E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.70E-09	-3.80E-08	-3.70E-08	6.50E-08	-1.40E-08	3.20E-08	-1.10E-08	-1.20E-08

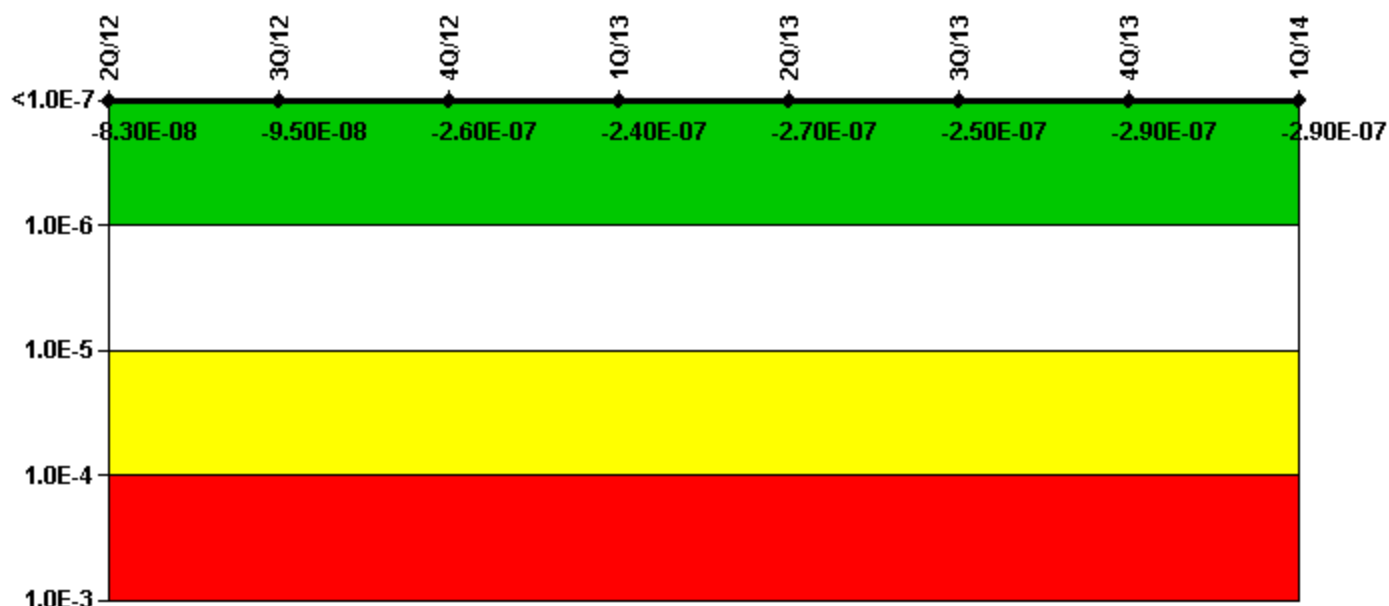
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: 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)	-4.20E-08	-5.41E-08	-3.91E-08	-1.11E-08	-4.60E-08	-2.23E-08	-6.58E-08	-6.58E-08
URI (Δ CDF)	-4.06E-08	-4.06E-08	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.30E-08	-9.50E-08	-2.60E-07	-2.40E-07	-2.70E-07	-2.50E-07	-2.90E-07	-2.90E-07

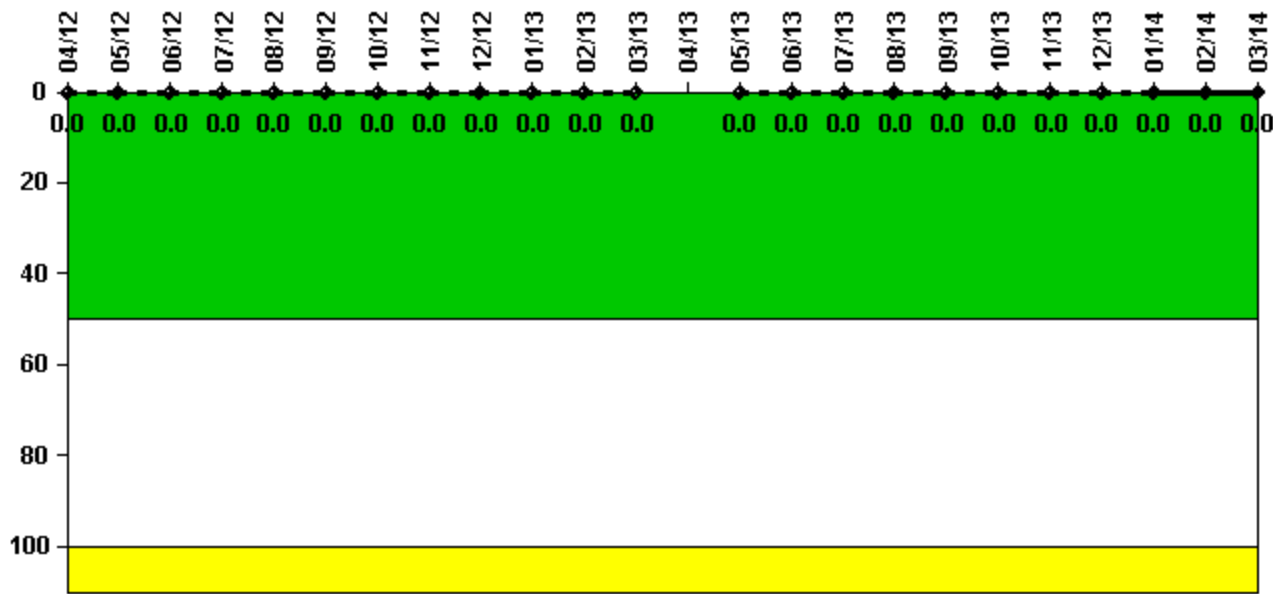
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

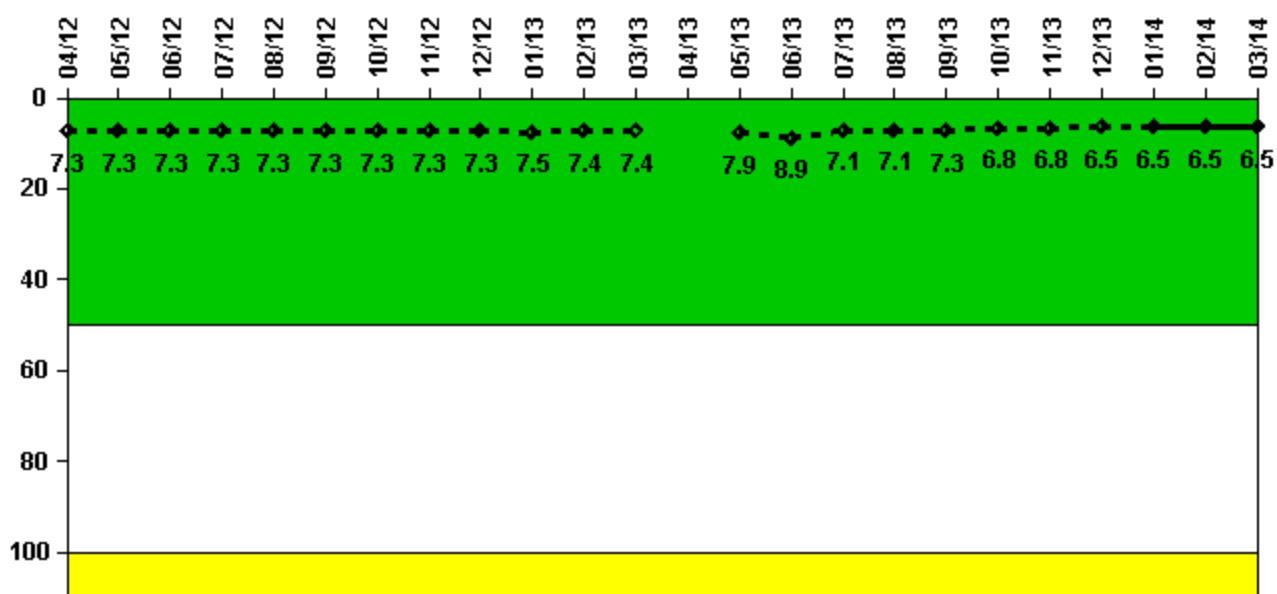
Notes

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	0.000026	0.000029	0.000032	0.000030	0.000028	0.000029	0.000039	0.000027	0.000031	0.000025	0.000028	0.000029
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	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	N/A	0.000045	0.000017	0.000016	0.000016	0.000015	0.000017	0.000017	0.000025	0.000018	0.000019	0.000020
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	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

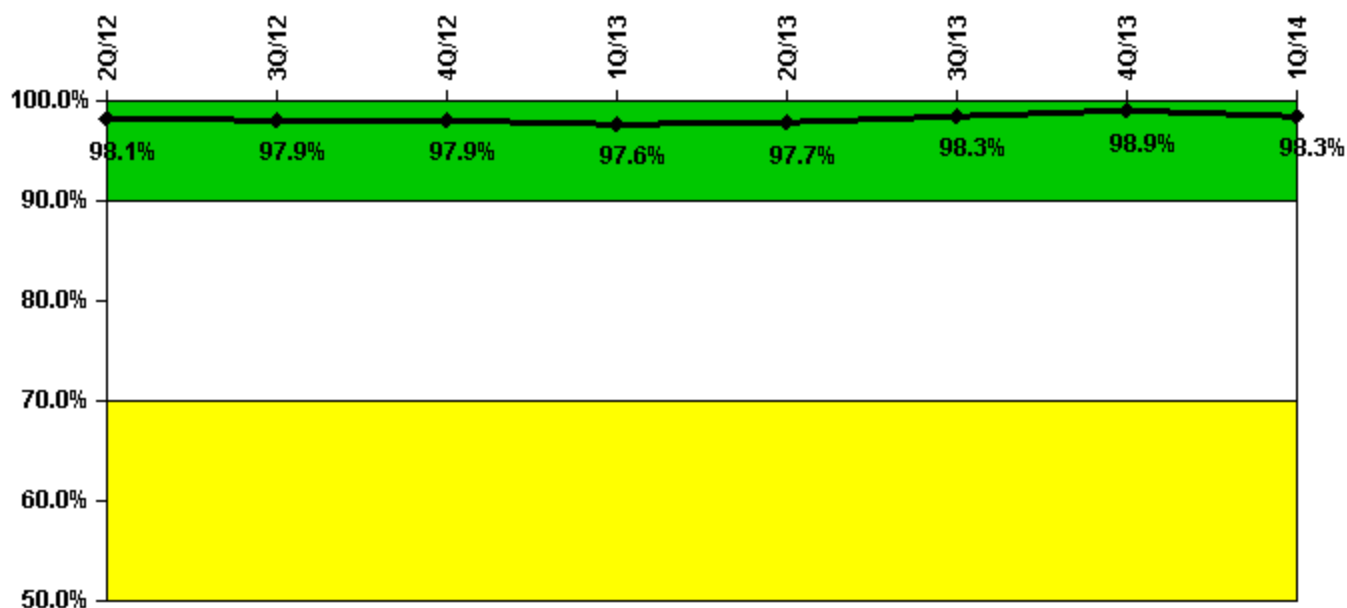
Notes

Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	2.190	2.190	2.190	2.190	2.180	2.180	2.200	2.200	2.200	2.250	2.210	2.210
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.4
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	N/A	2.380	2.680	2.130	2.130	2.200	2.050	2.050	1.950	1.950	1.950	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	7.9	8.9	7.1	7.1	7.3	6.8	6.8	6.5	6.5	6.5	6.5

Licensee Comments:

9/13: On November 19, 2013 it was discovered that an incorrect value had been submitted for Maximum RCS Identified Leakage for July 2013. 2.14 gpm had been entered, the correct value is 2.13 gpm. The change does not affect the PI value.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

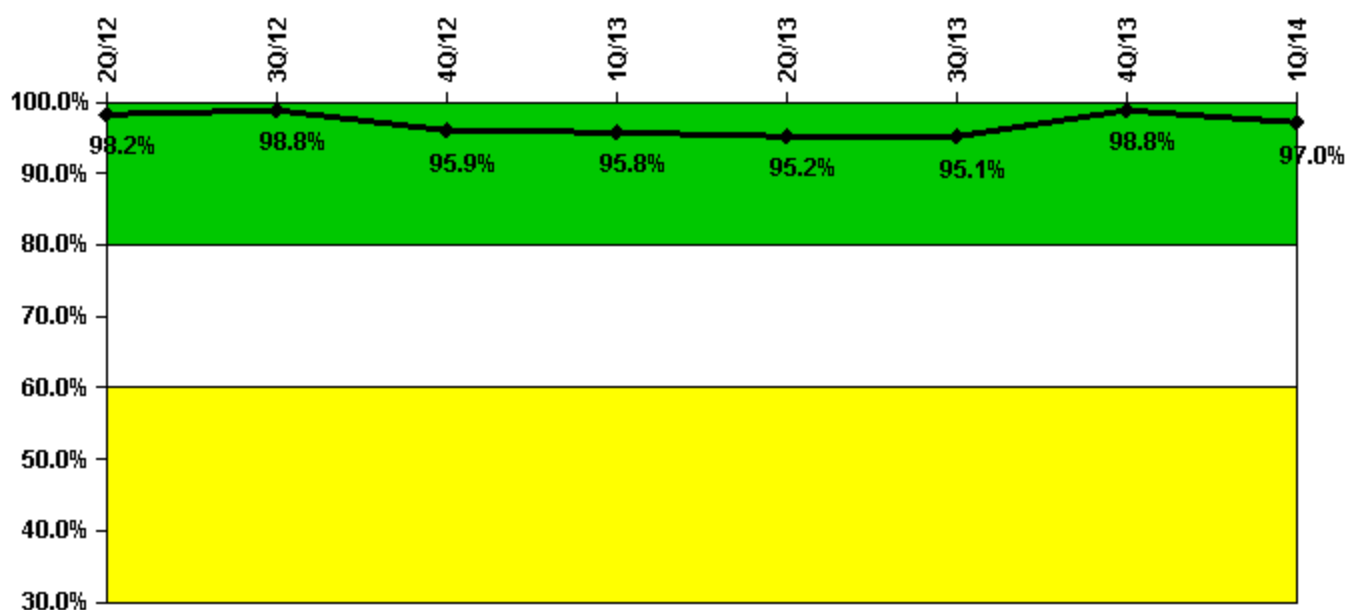
Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	22.0	25.0	19.0	7.0	6.0	28.0	20.0	46.0
Total opportunities	23.0	26.0	19.0	7.0	6.0	28.0	20.0	47.0
Indicator value	98.1%	97.9%	97.9%	97.6%	97.7%	98.3%	98.9%	98.3%

Licensee Comments:

2Q/12: Corrected the number total opportunities from 2 to 3 initially reported for June 2012. Added a missed DEP opportunity for not declaring an Unusual Event for in-plant changing radiological conditions on June 3, 2012 that met EPlan entry criteria, discovered after the fact. PI color remains GREEN.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

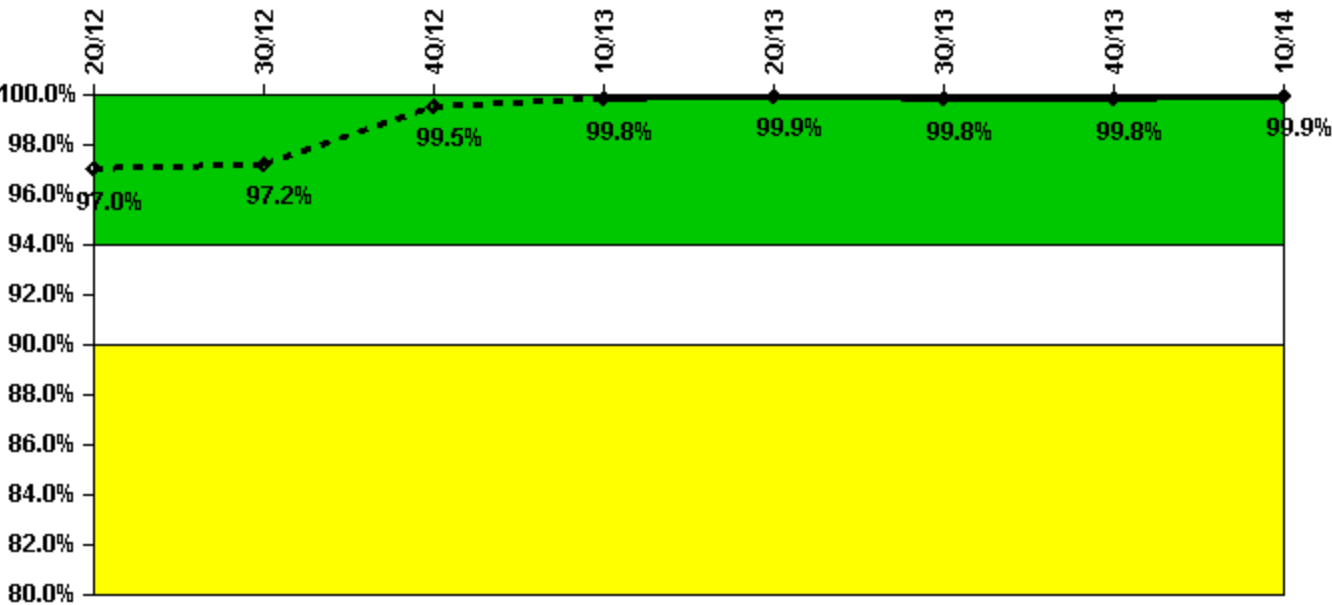
Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	165.0	162.0	163.0	159.0	159.0	155.0	159.0	160.0
Total Key personnel	168.0	164.0	170.0	166.0	167.0	163.0	161.0	165.0
Indicator value	98.2%	98.8%	95.9%	95.8%	95.2%	95.1%	98.8%	97.0%

Licensee Comments:

3Q/12: Changed the number of participating and total key ERO personnel initially reported in September 2012. An individual was removed from the key ERO population for unavailability to respond to an emergency event. PI color remains GREEN.

Alert & Notification System



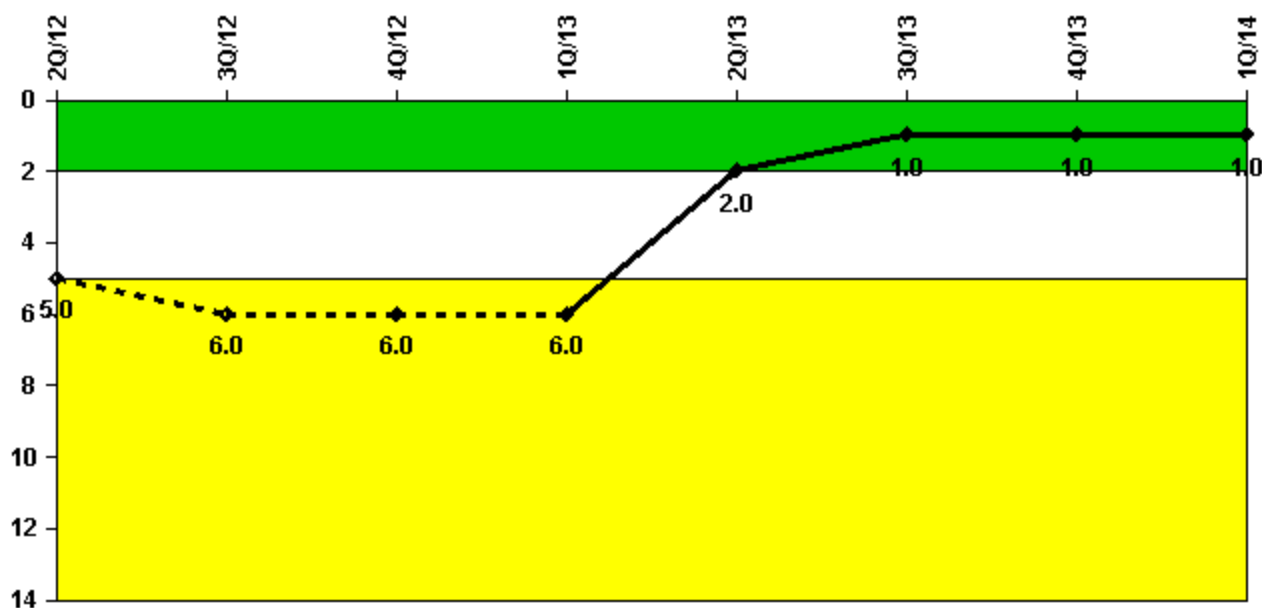
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	530	520	531	531	532	593	532	532
Total sirens-tests	532	521	532	532	532	596	532	532
Indicator value	97.0%	97.2%	99.5%	99.8%	99.9%	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/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
High radiation area occurrences	5	1	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	5	6	6	6	2	1	1	1

Licensee Comments:

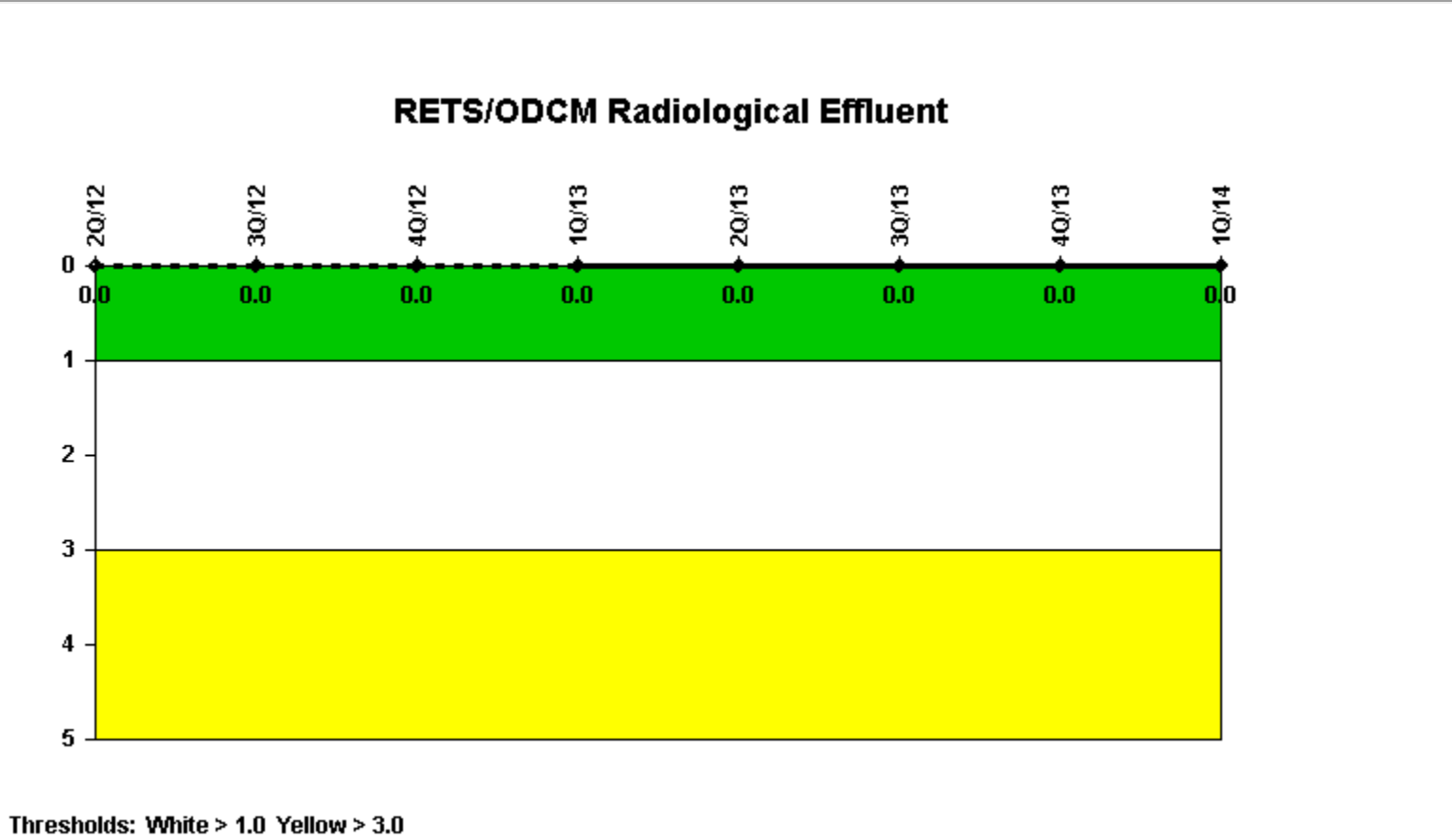
3Q/12: The 2012-09 PI occurrence for potential inadequate LHRA controls established for a loaded HI-STORM container is currently being evaluated at the root cause level. The PI value may change depending on results of the root cause evaluation.

2Q/12: The number of TS HRA occurrences reported for June remains under evaluation at this time. A Frequently Asked Question (FAQ) submittal is planned to address the associated issues, which include having the same cause in a common time frame for the occurrences. The PI value may be modified as a result. With submittal of the Second Quarter 2012 PI data, the indicator performance has exceeded the green/white threshold and has moved to the Increased Regulatory Response Band. The PI color is WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction. Corrected the number of TS HRA occurrences reported for April 2012 from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area in the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. PI color remains WHITE.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 2 to 3 based on the final outcome of Frequently Asked Question (FAQ) 12-04. The FAQ process was entered to evaluate the number of occurrences that should be reported for the June 2-7, 2012, Radwaste El. 574 resin event. NRC ROP review of the FAQ determined that 3 TS HRA occurrences should be reported. Also the number of TS HRA occurrences reported for April 2012 was corrected earlier from 0 to 1. A root cause extent-of-condition review performed in the fourth quarter 2012 identified an area of the plant which met TS HRA conditions in April 2012 that was not controlled in accordance with TS. With these corrections, the total number of TS HRA occurrences at the end of the Second Quarter 2012 is 5, which is at WHITE/YELLOW (Increased Regulatory Response Band/Required Regulatory Response Band) performance threshold. The PI color transitions to YELLOW in September 2012 when a TS HRA occurrence was experienced for failure to adequately control access to the top of a loaded HI-STORM container whose radiation levels met criteria for a TS HRA. In April 2013, performance returns to the WHITE/YELLOW threshold with a total of 5 occurrences in the past 12 months.

2Q/12: Corrected the number of TS HRA occurrences initially reported for June 2012 from 4 to 2 based on further review of the associated event and application of NEI 99-02 guidelines. A Frequently Asked Question (FAQ) has been submitted to address the associated issues, which include having the same cause in a common time frame for the occurrences. The FAQ is currently under review at this time. The PI value may be modified at the completion of the FAQ process. The PI color is WHITE (Increased Regulatory Response Band) and is not changed by this correction.



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: 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, 2014

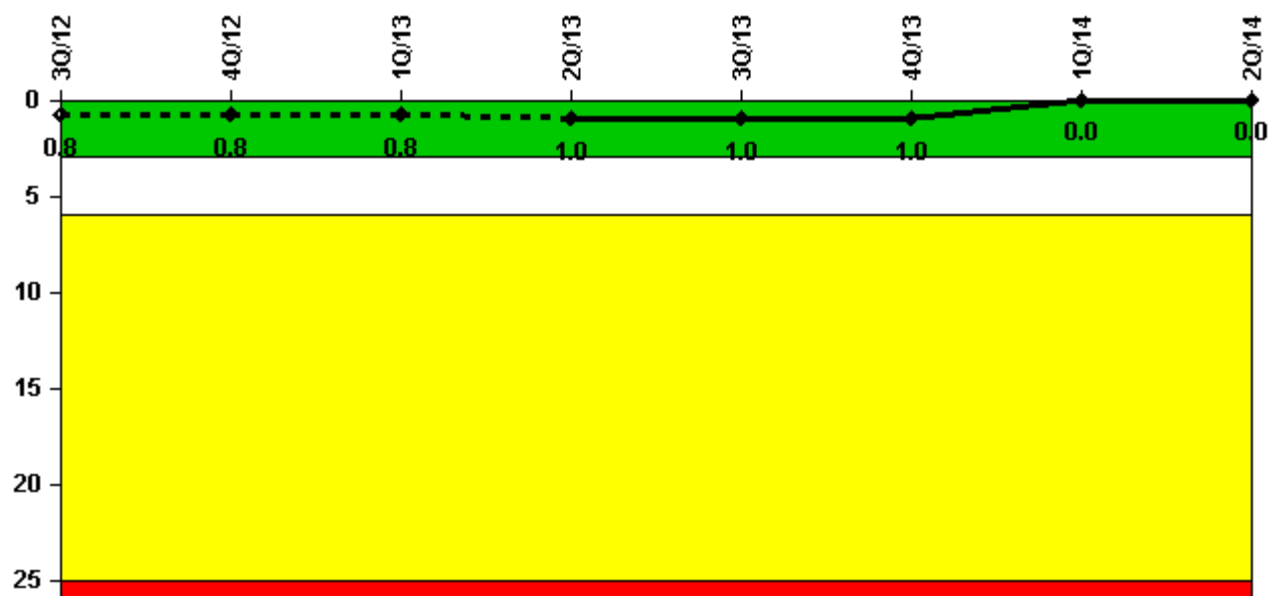
Perry 1

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



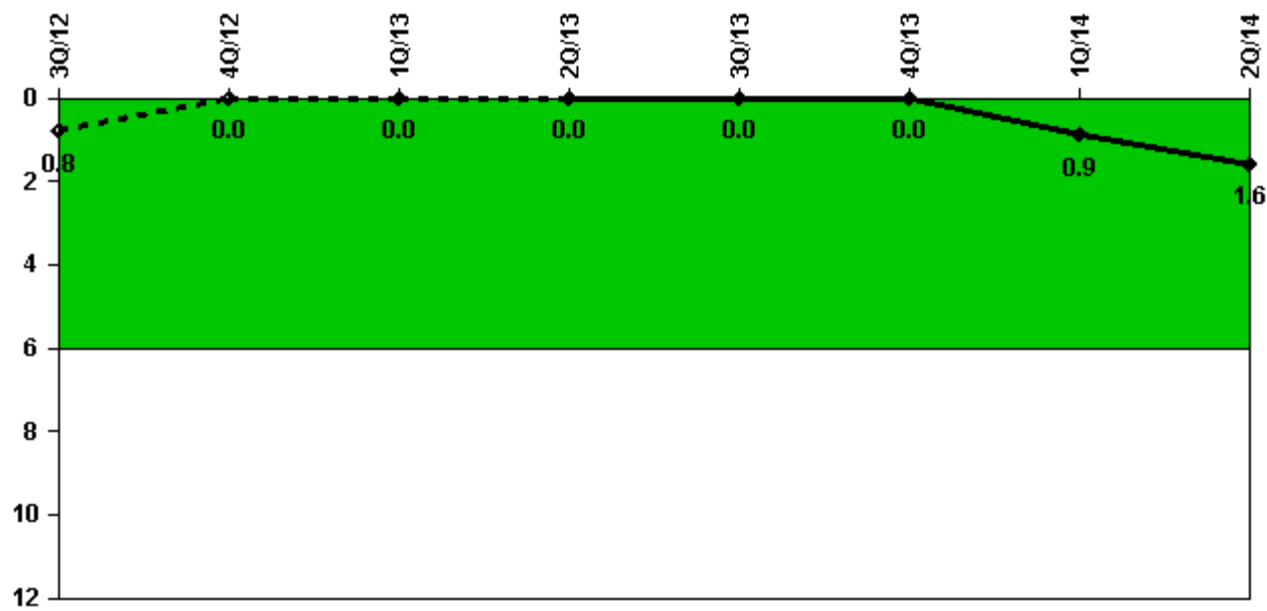
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1719.9	1098.3	2167.6	2209.0	2159.0	2184.0
Indicator value	0.8	0.8	0.8	1.0	1.0	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



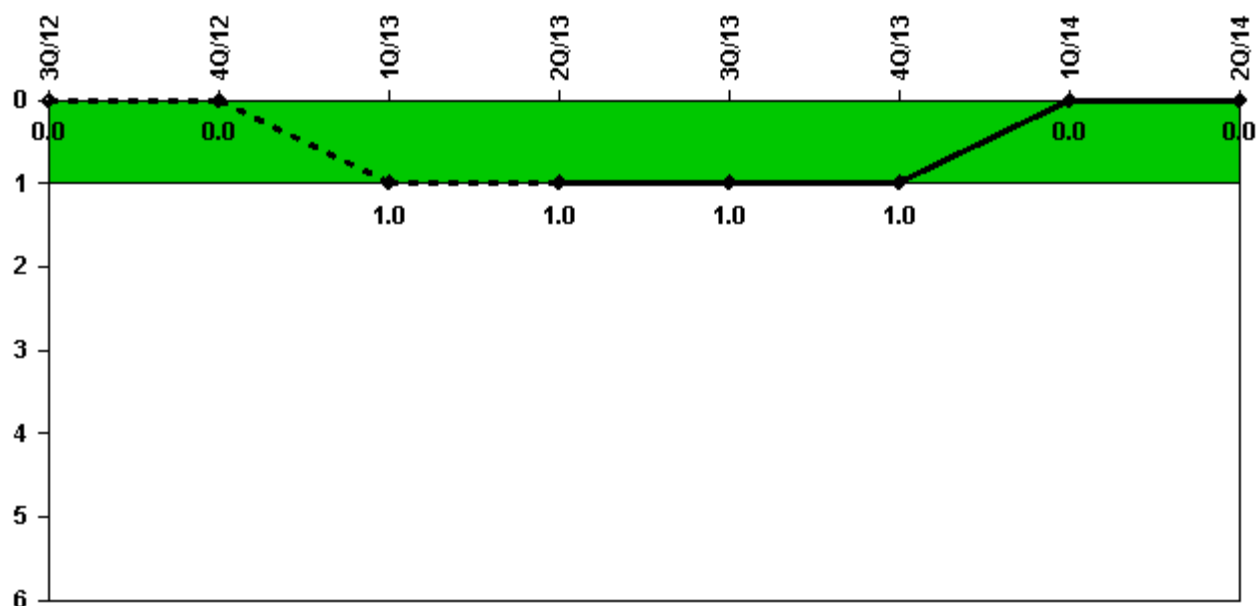
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	1.0	1.0
Critical hours	2208.0	2209.0	1719.9	1098.3	2167.6	2209.0	2159.0	2184.0
Indicator value	0.8	0	0	0	0	0	0.9	1.6

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

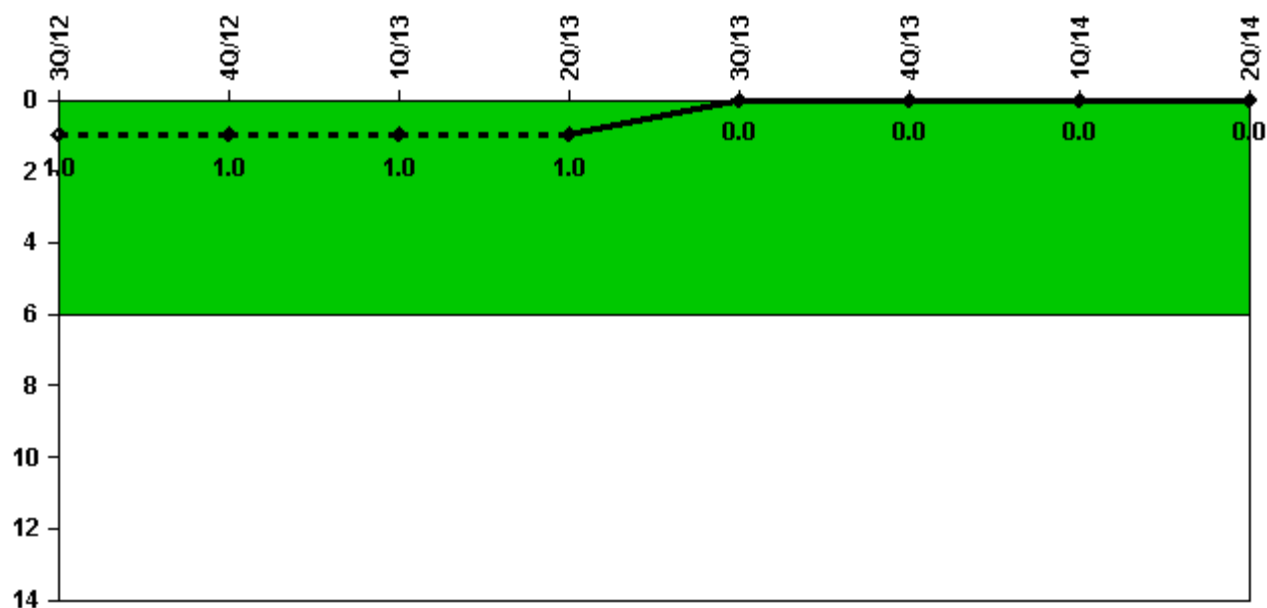
Notes

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	1.0	0	0	0	0	0
Indicator value	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0

Licensee Comments:

1Q/13: Further review of the January 22, 2013 scram against NEI 99-02 Revision 6 criteria determined that it counts as a USwC. A change file is submitted to correct the PI data initially reported.

Safety System Functional Failures (BWR)



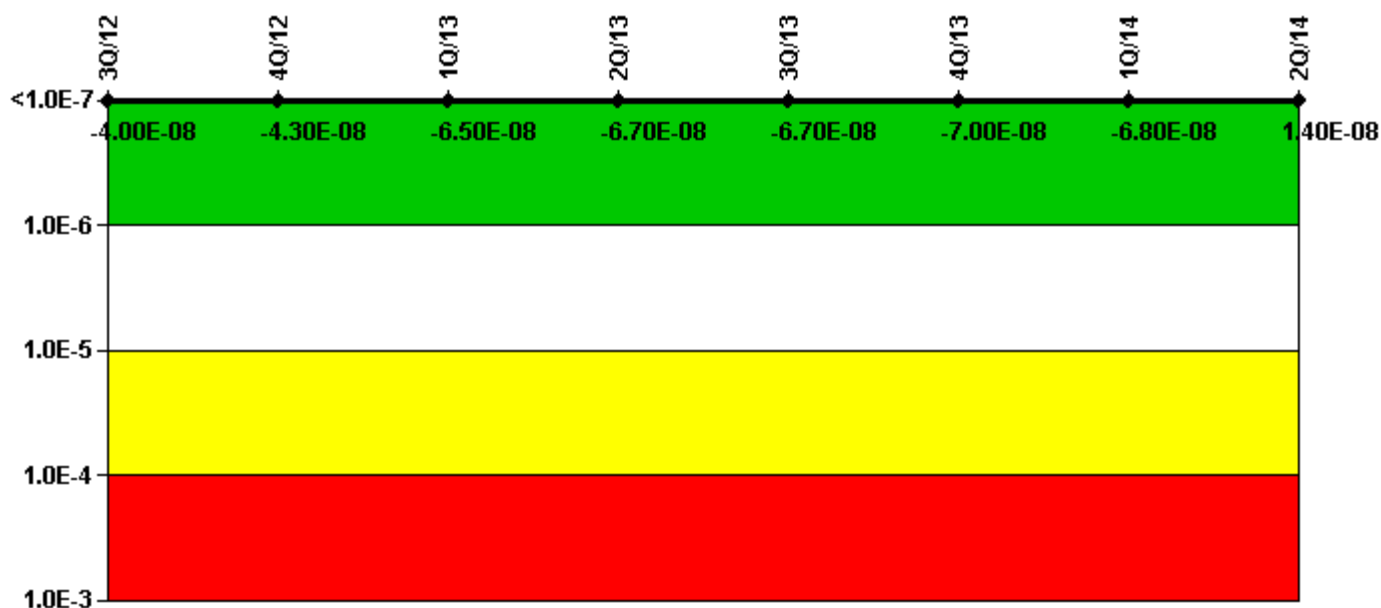
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
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

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

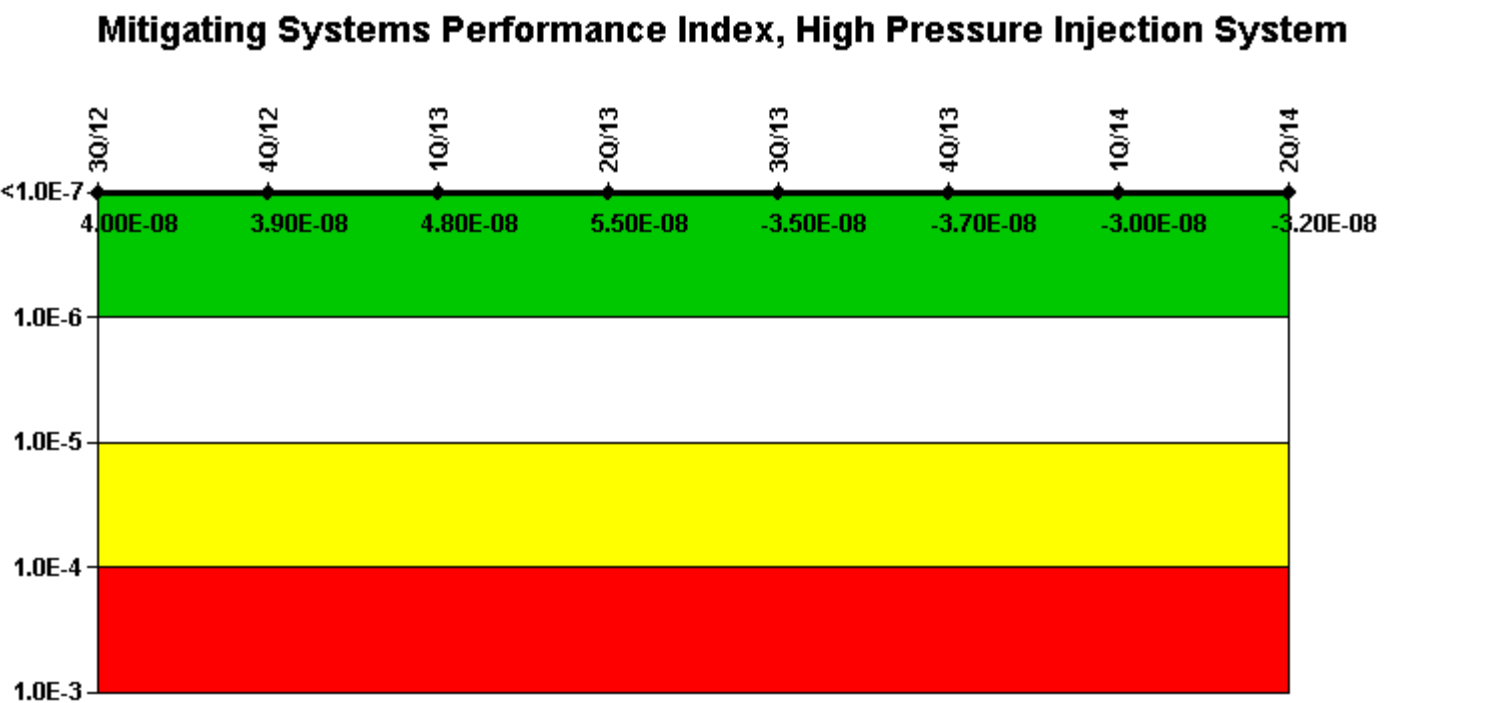
Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	1.97E-08	4.00E-08	1.75E-08	1.56E-08	1.60E-08	1.28E-08	1.53E-08	1.51E-08
URI (Δ CDF)	-6.01E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-1.51E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-08	-4.30E-08	-6.50E-08	-6.70E-08	-6.70E-08	-7.00E-08	-6.80E-08	1.40E-08

Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).



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 (ΔCDF)	1.02E-07	9.77E-08	1.08E-07	1.14E-07	2.43E-08	2.29E-08	2.91E-08	2.71E-08
URI (ΔCDF)	-6.26E-08	-5.91E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.00E-08	3.90E-08	4.80E-08	5.50E-08	-3.50E-08	-3.70E-08	-3.00E-08	-3.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

Notes

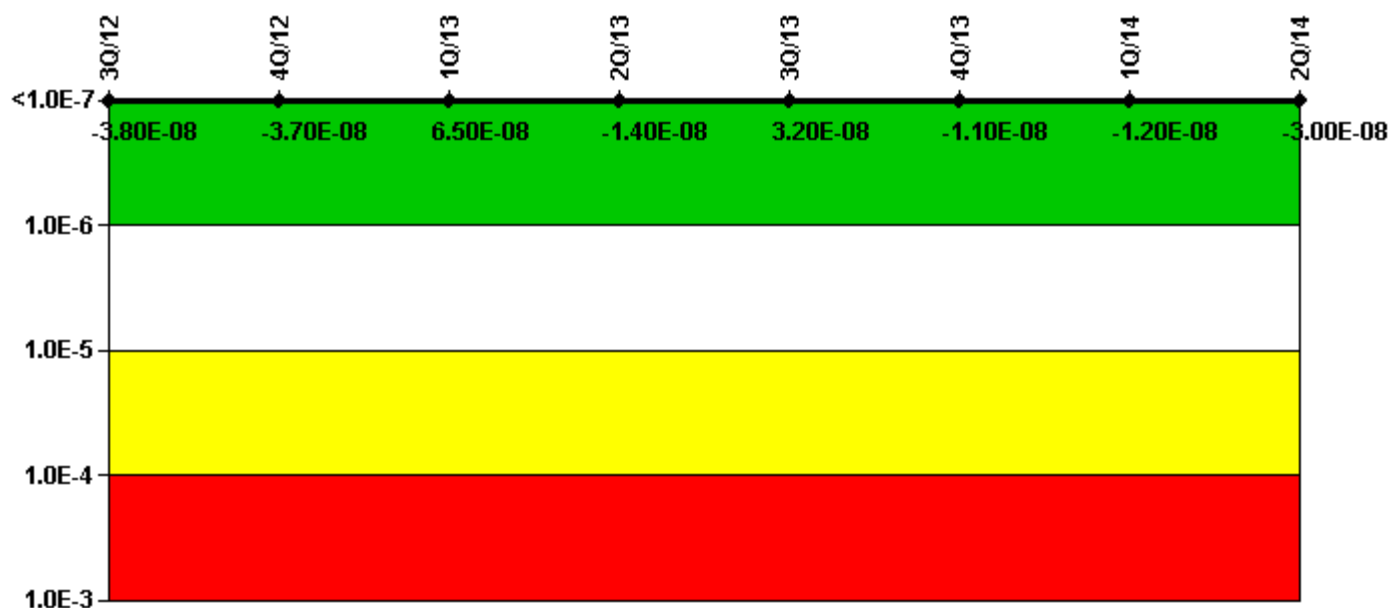
Mitigating Systems Performance Index, Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	-1.37E-09	4.38E-09	-2.00E-09	-1.63E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.37E-08
URI (ΔCDF)	-4.03E-08	-4.20E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-3.80E-08	-4.60E-08	-6.00E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: 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 (Δ CDF)	4.28E-08	4.14E-08	1.43E-07	6.37E-08	1.10E-07	6.70E-08	6.58E-08	4.80E-08
URI (Δ CDF)	-8.04E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-08	-3.70E-08	6.50E-08	-1.40E-08	3.20E-08	-1.10E-08	-1.20E-08	-3.00E-08

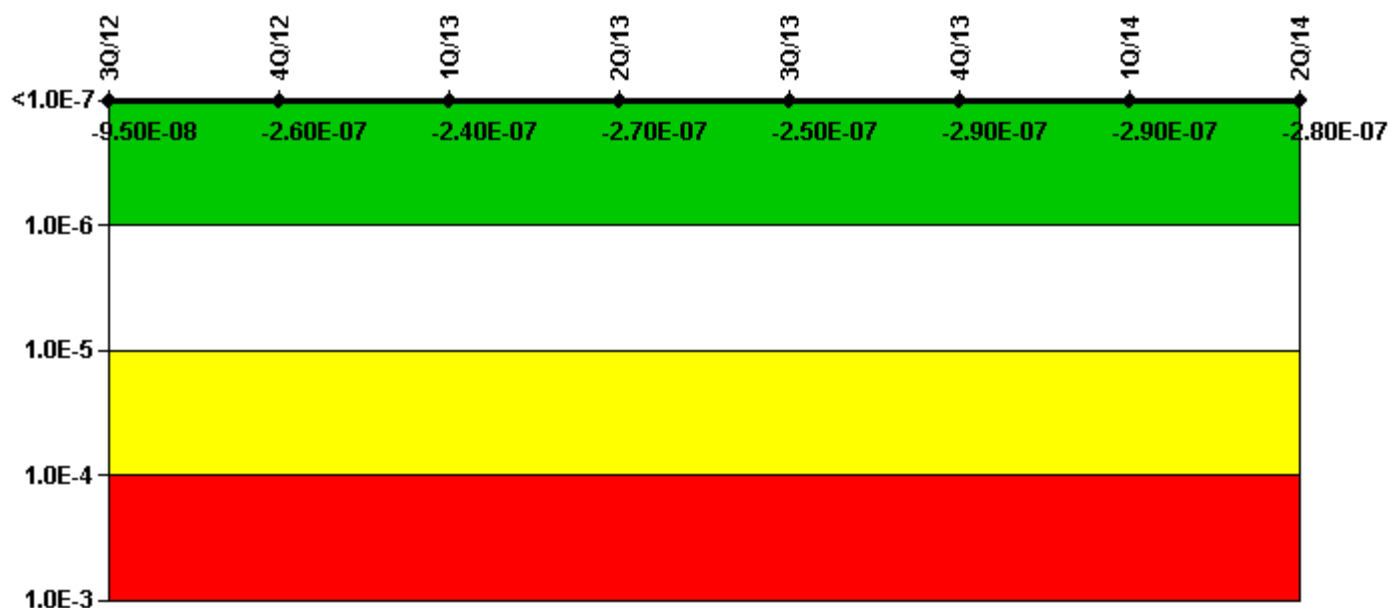
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: 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)	-5.41E-08	-3.91E-08	-1.11E-08	-4.60E-08	-2.23E-08	-6.58E-08	-6.58E-08	-5.01E-08
URI (Δ CDF)	-4.06E-08	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.50E-08	-2.60E-07	-2.40E-07	-2.70E-07	-2.50E-07	-2.90E-07	-2.90E-07	-2.80E-07

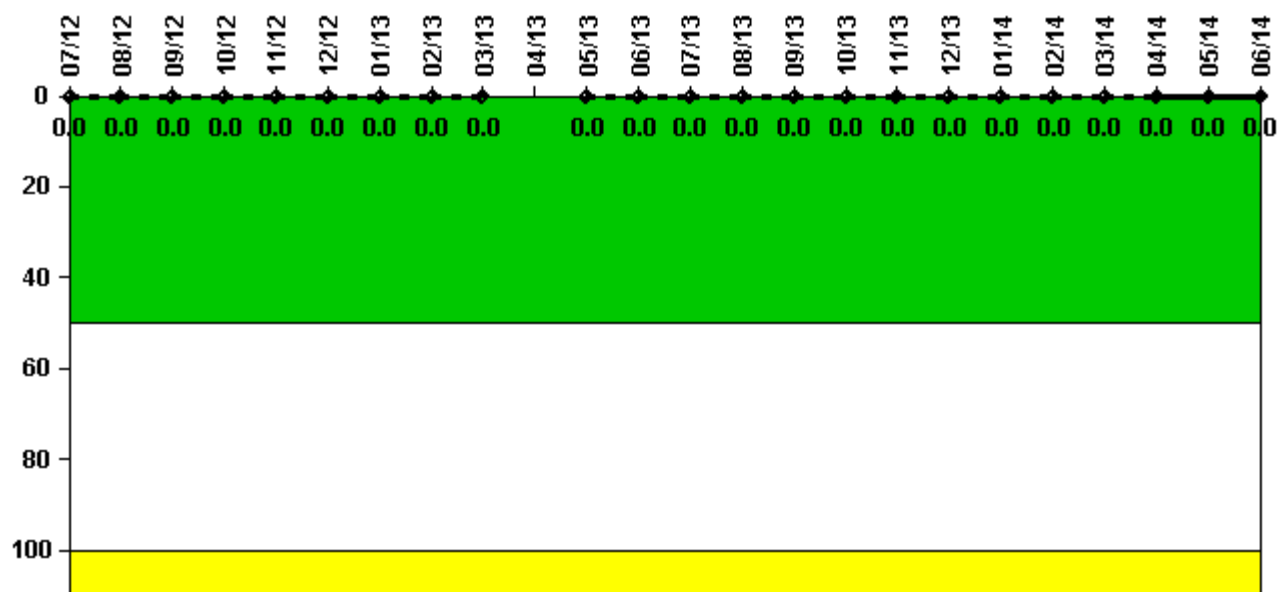
Licensee Comments:

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

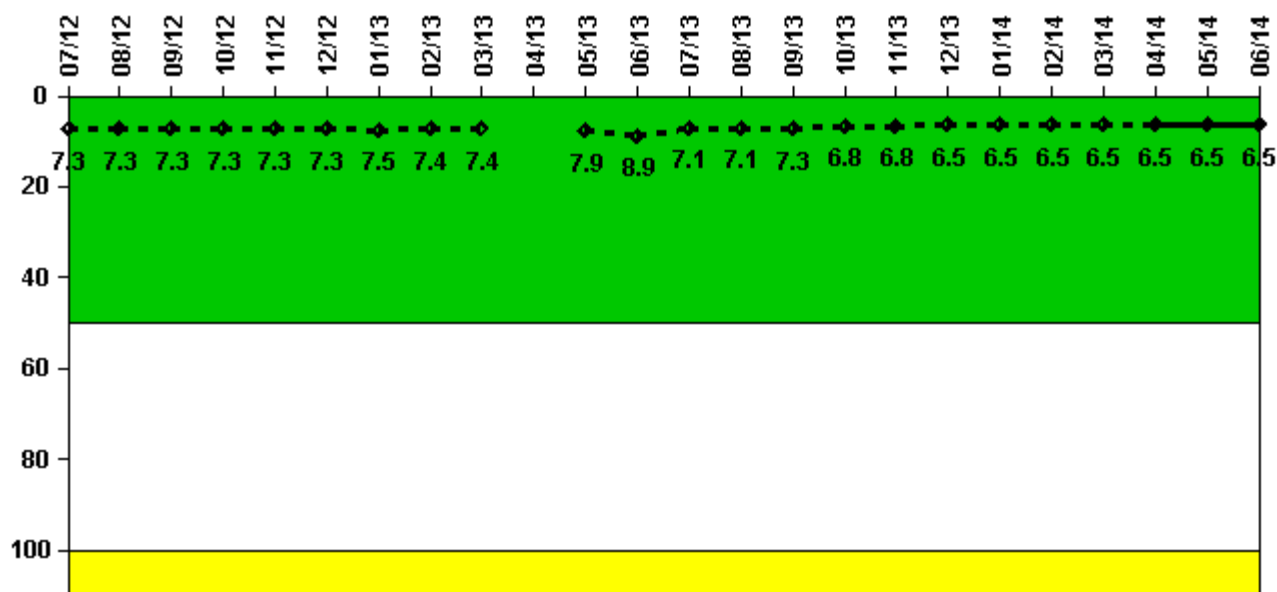
Notes

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	0.000030	0.000028	0.000029	0.000039	0.000027	0.000031	0.000025	0.000028	0.000029	N/A	0.000045	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	N/A	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	0.000016	0.000016	0.000015	0.000017	0.000017	0.000025	0.000018	0.000019	0.000020	0.000017	0.000019	0.000033
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

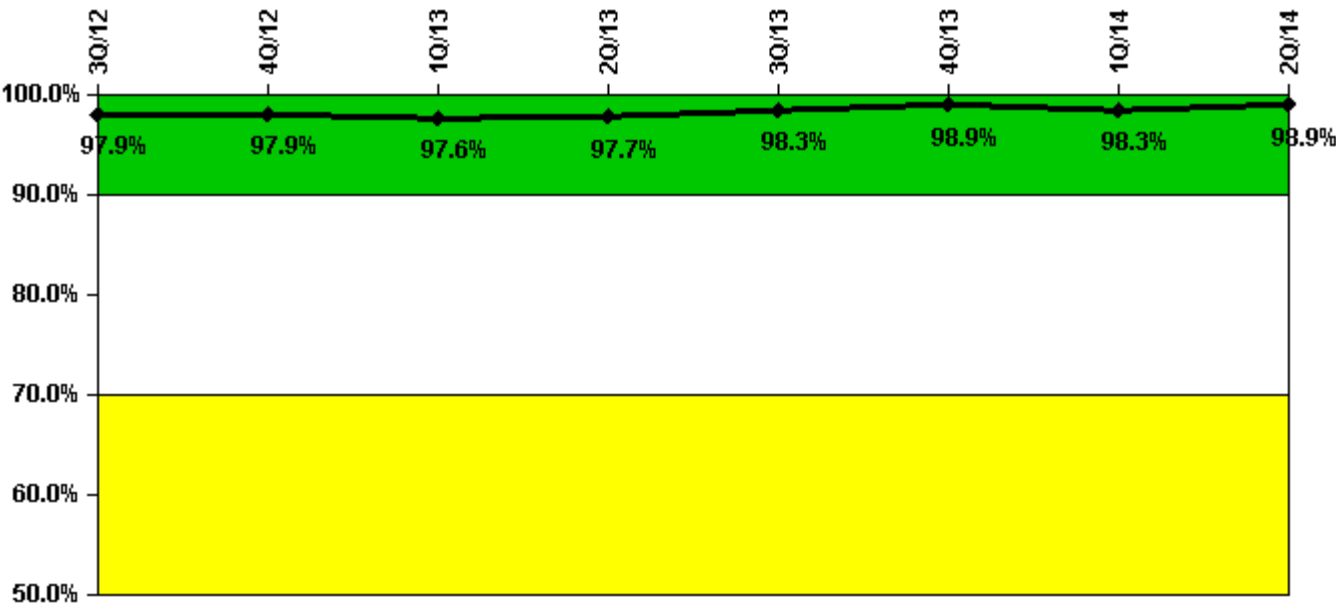
Notes

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	2.190	2.180	2.180	2.200	2.200	2.200	2.250	2.210	2.210	N/A	2.380	2.680
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.4	N/A	7.9	8.9
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	2.130	2.130	2.200	2.050	2.050	1.950	1.950	1.950	1.950	1.950	1.950	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.1	7.1	7.3	6.8	6.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5

Licensee Comments:

9/13: On November 19, 2013 it was discovered that an incorrect value had been submitted for Maximum RCS Identified Leakage for July 2013. 2.14 gpm had been entered, the correct value is 2.13 gpm. The change does not affect the PI value.

Drill/Exercise Performance



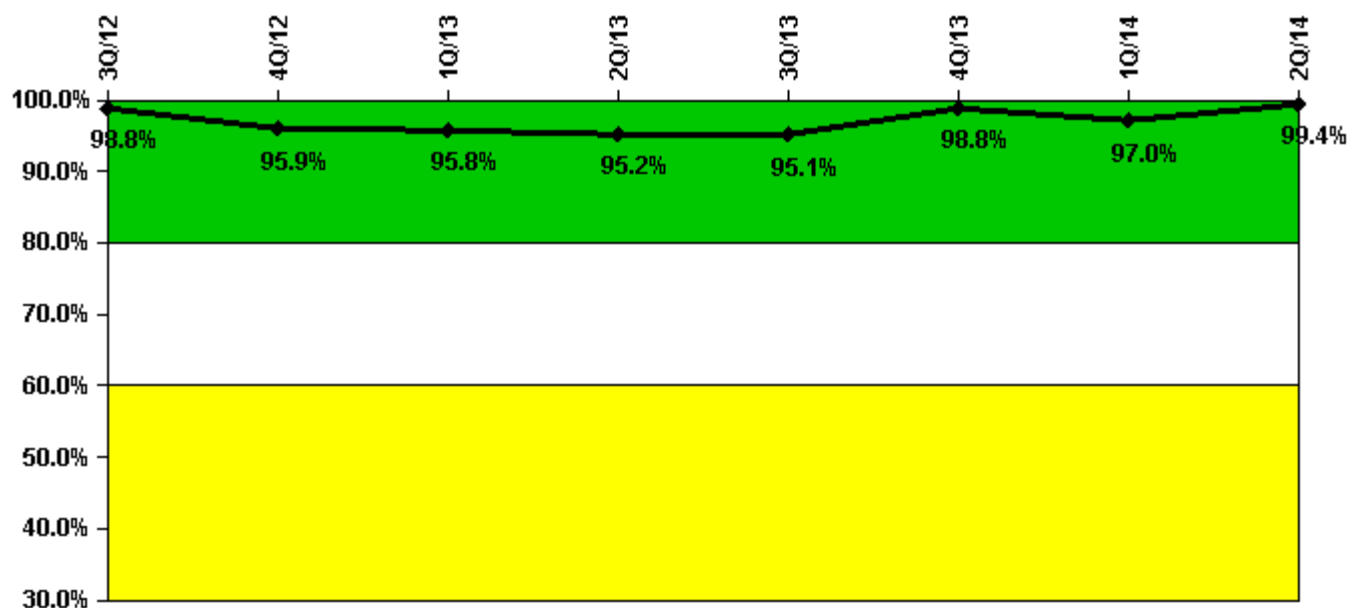
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	25.0	19.0	7.0	6.0	28.0	20.0	46.0	36.0
Total opportunities	26.0	19.0	7.0	6.0	28.0	20.0	47.0	36.0
Indicator value	97.9%	97.9%	97.6%	97.7%	98.3%	98.9%	98.3%	98.9%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

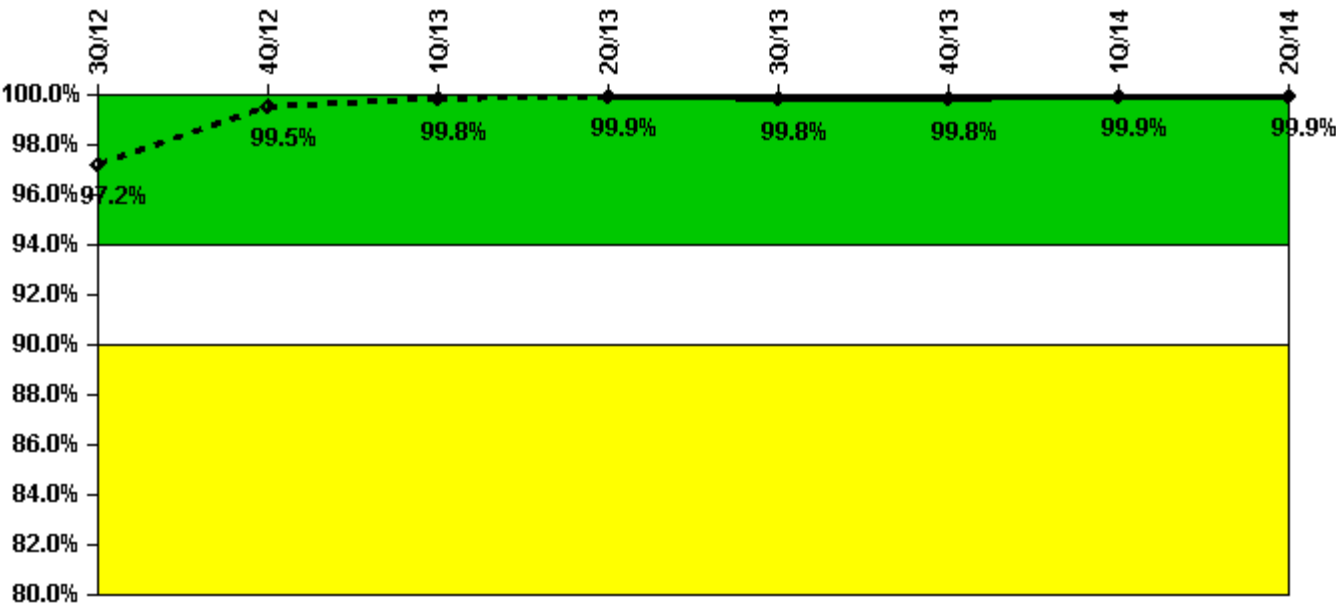
Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	162.0	163.0	159.0	159.0	155.0	159.0	160.0	159.0
Total Key personnel	164.0	170.0	166.0	167.0	163.0	161.0	165.0	160.0
Indicator value	98.8%	95.9%	95.8%	95.2%	95.1%	98.8%	97.0%	99.4%

Licensee Comments:

3Q/12: Changed the number of participating and total key ERO personnel initially reported in September 2012. An individual was removed from the key ERO population for unavailability to respond to an emergency event. PI color remains GREEN.

Alert & Notification System



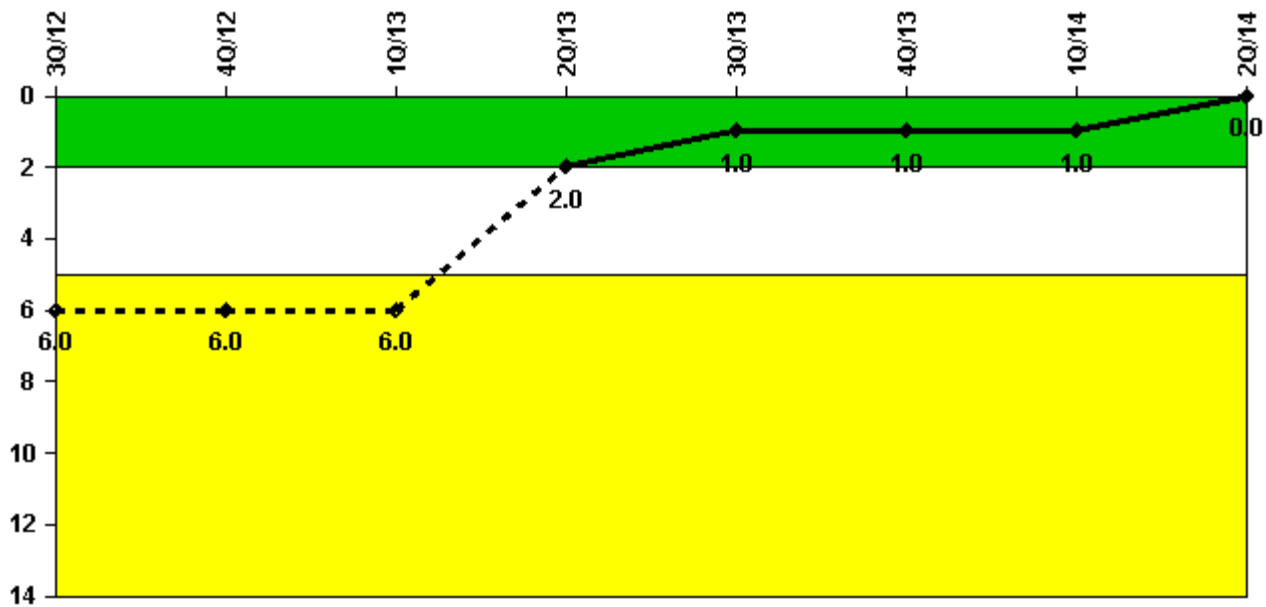
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	520	531	531	532	593	532	532	532
Total sirens-tests	521	532	532	532	596	532	532	532
Indicator value	97.2%	99.5%	99.8%	99.9%	99.8%	99.8%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



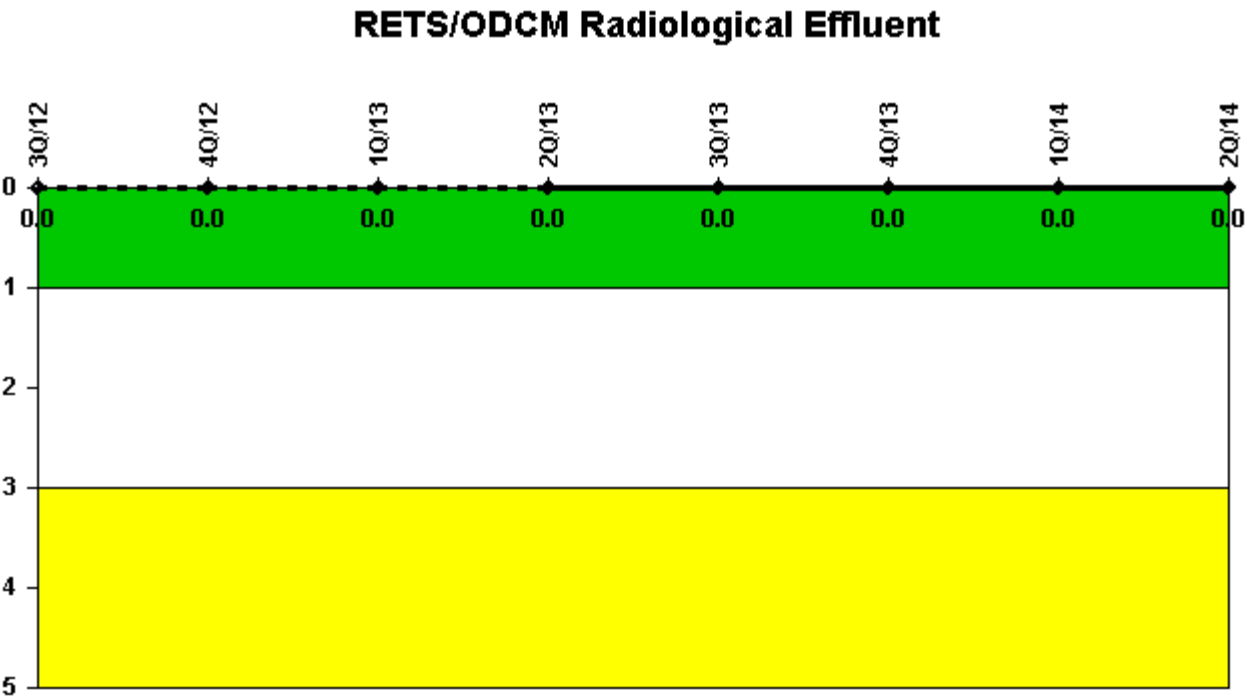
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	1	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	6	6	6	2	1	1	1	0

Licensee Comments:

3Q/12: The 2012-09 PI occurrence for potential inadequate LHRA controls established for a loaded HI-STORM container is currently being evaluated at the root cause level. The PI value may change depending on results of the root cause evaluation.



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: 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 31, 2014

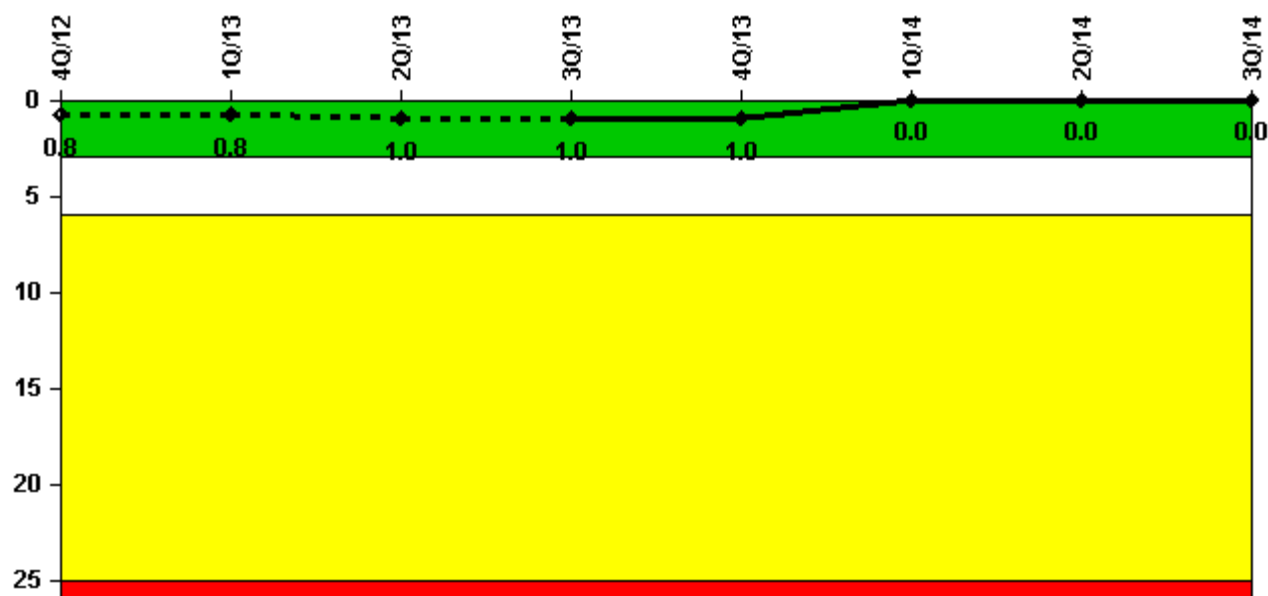
Perry 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



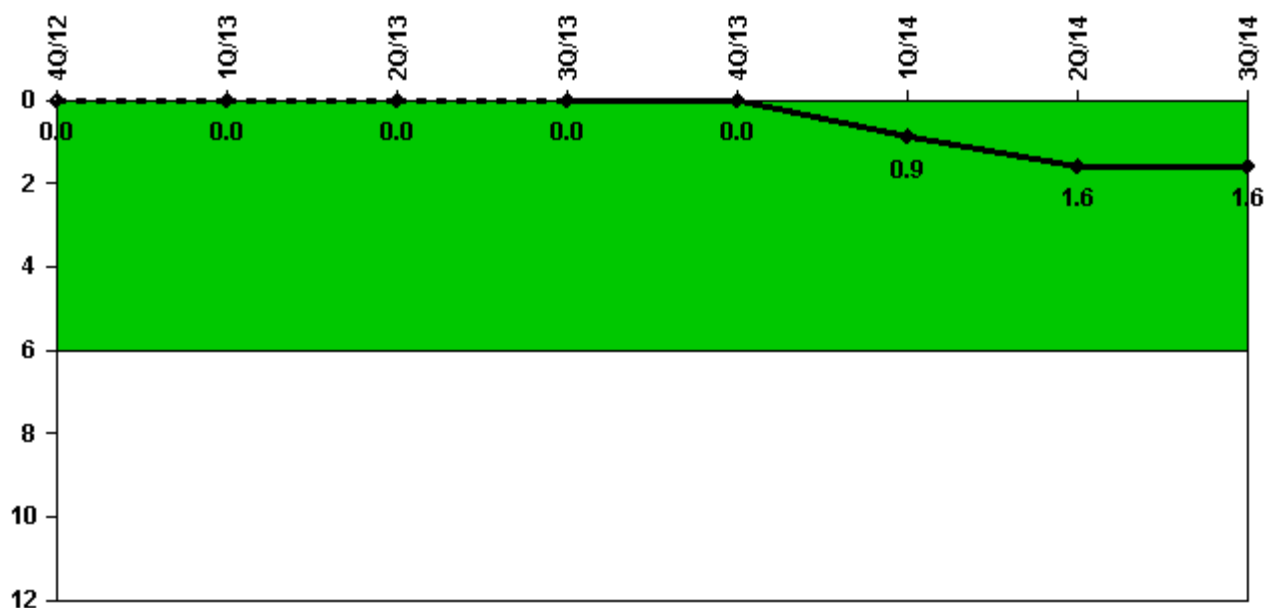
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0
Critical hours	2209.0	1719.9	1098.3	2167.6	2209.0	2159.0	2184.0	2208.0
Indicator value	0.8	0.8	1.0	1.0	1.0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



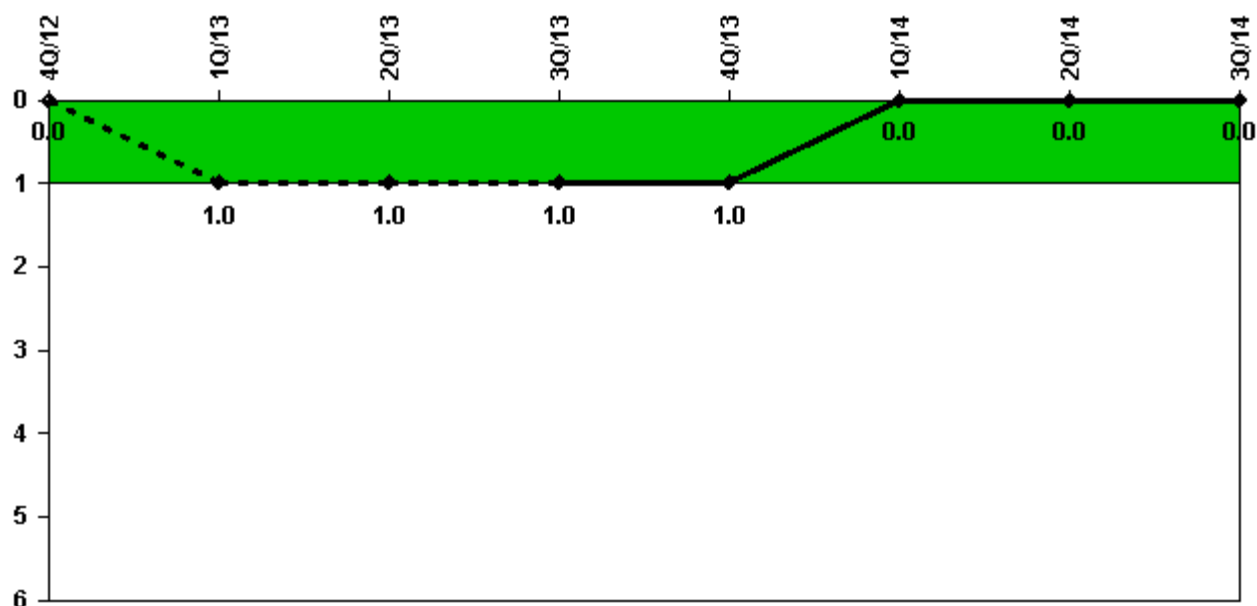
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	1.0	1.0	0
Critical hours	2209.0	1719.9	1098.3	2167.6	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0.9	1.6	1.6

Licensee Comments: none

Unplanned Scrams with Complications



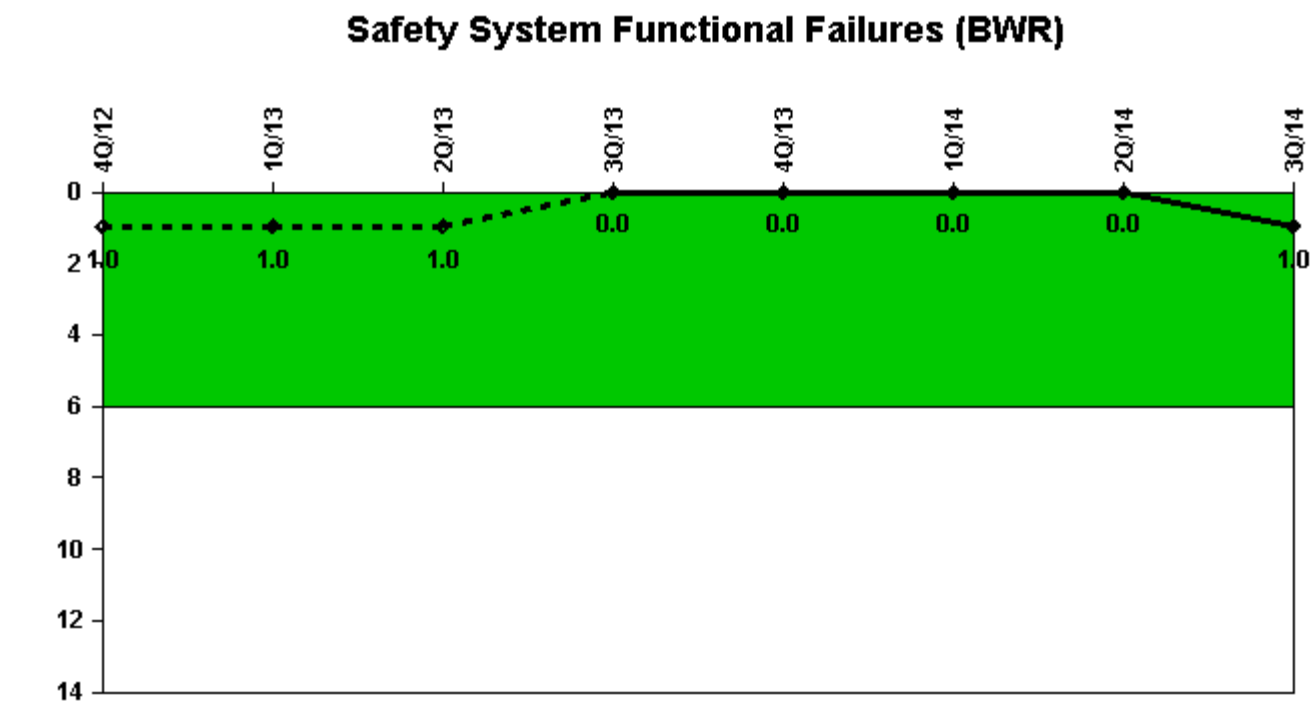
Thresholds: White > 1.0

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	1.0	0	0	0	0	0	0
Indicator value	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0

Licensee Comments:

1Q/13: Further review of the January 22, 2013 scram against NEI 99-02 Revision 6 criteria determined that it counts as a USwC. A change file is submitted to correct the PI data initially reported.



Thresholds: White > 6.0

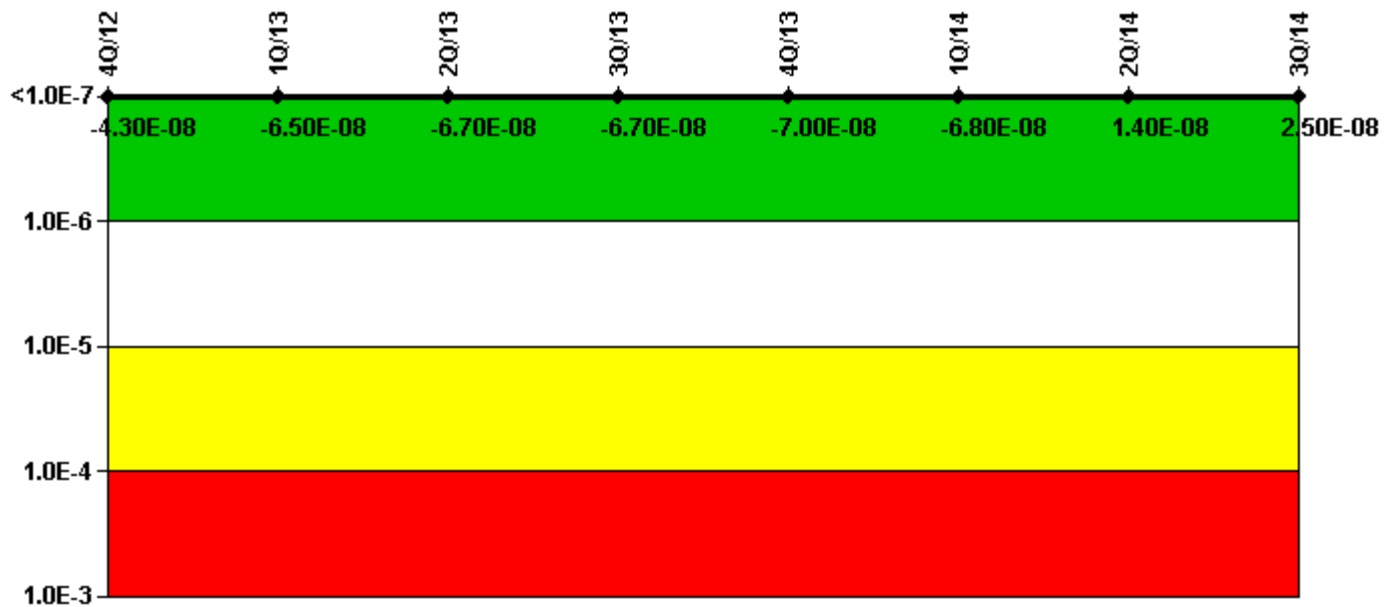
Notes

Safety System Functional Failures (BWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	1	1	1	0	0	0	0	1

Licensee Comments:

3Q/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	4.00E-08	1.75E-08	1.56E-08	1.60E-08	1.28E-08	1.53E-08	1.51E-08	1.89E-08
URI (Δ CDF)	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-1.51E-09	6.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-08	-6.50E-08	-6.70E-08	-6.70E-08	-7.00E-08	-6.80E-08	1.40E-08	2.50E-08

Licensee Comments:

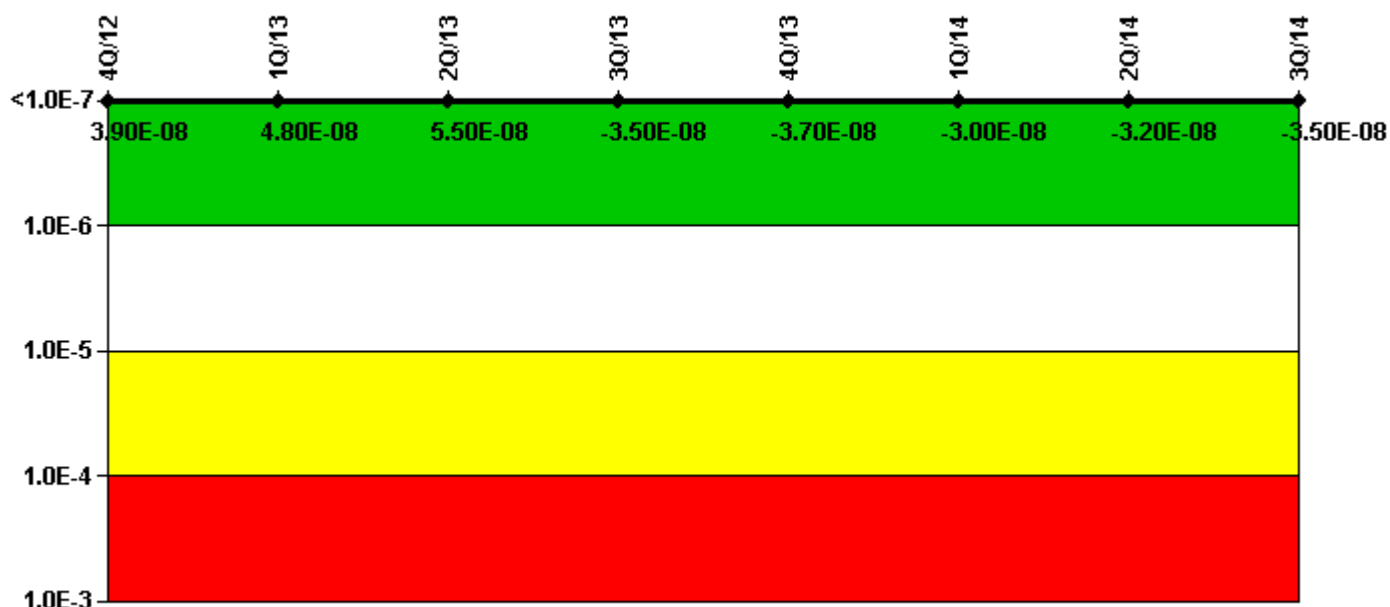
3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: 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

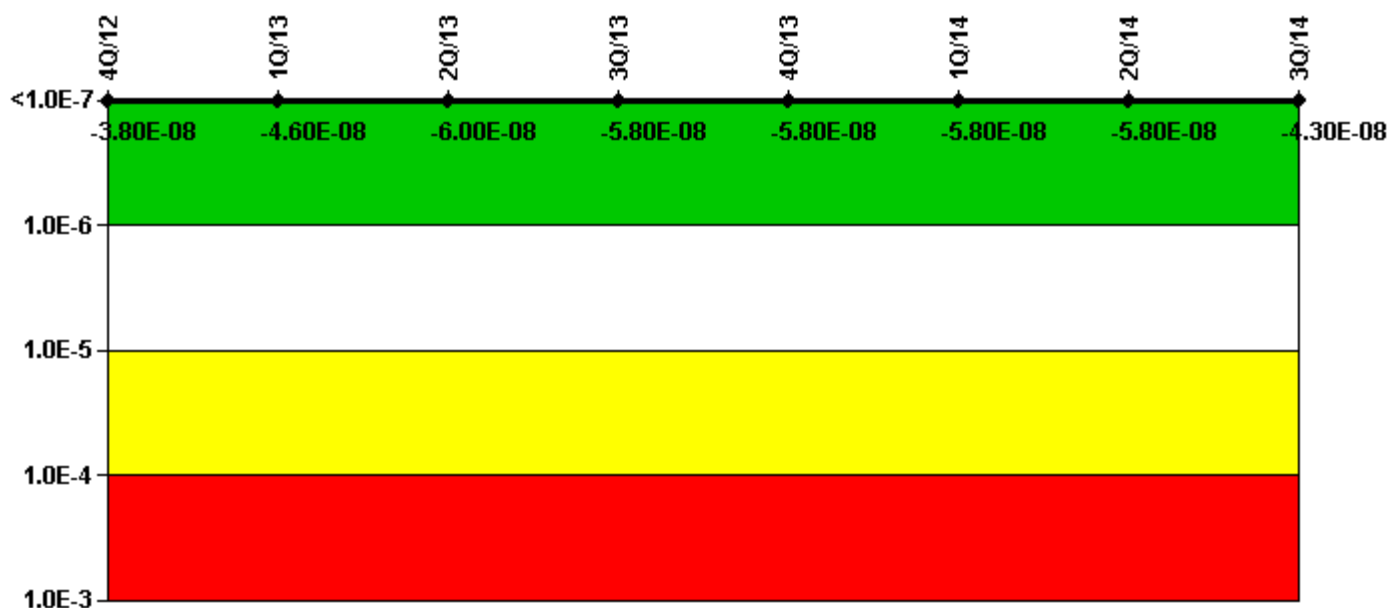
Notes

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 (ΔCDF)	9.77E-08	1.08E-07	1.14E-07	2.43E-08	2.29E-08	2.91E-08	2.71E-08	1.00E-07
URI (ΔCDF)	-5.91E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-1.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-08	4.80E-08	5.50E-08	-3.50E-08	-3.70E-08	-3.00E-08	-3.20E-08	-3.50E-08

Licensee Comments:

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	4.38E-09	-2.00E-09	-1.63E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.37E-08	-1.10E-08
URI (Δ CDF)	-4.20E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.41E-08	-3.23E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-08	-4.60E-08	-6.00E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-4.30E-08

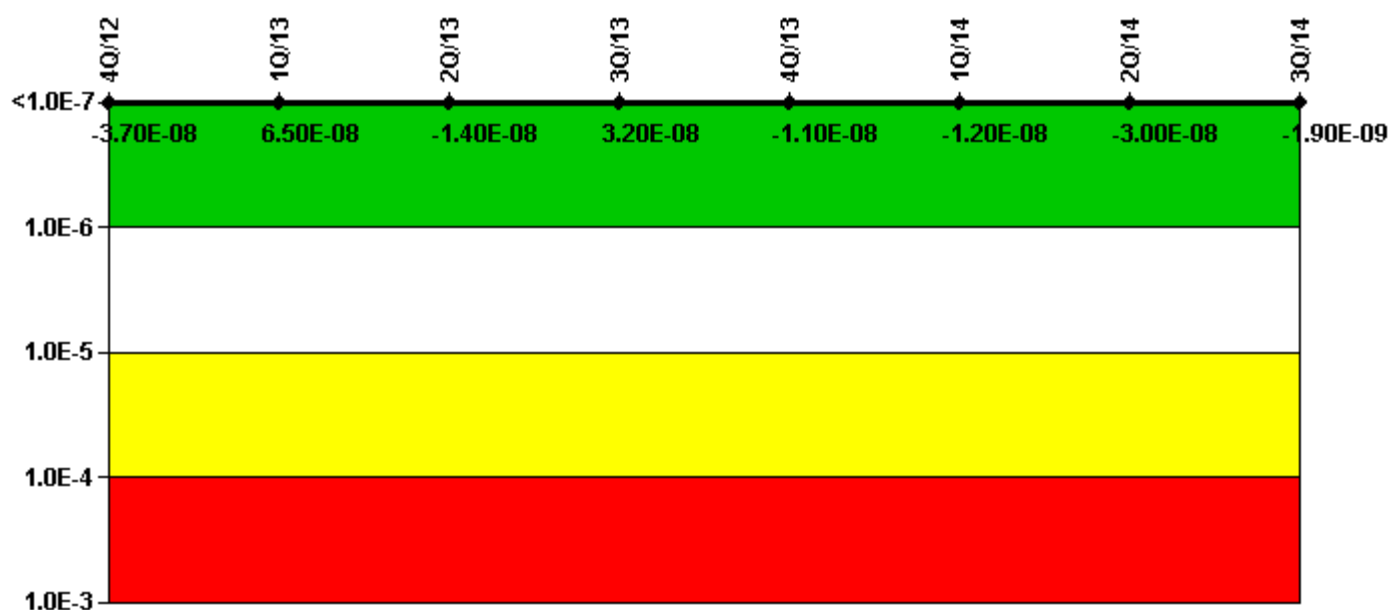
Licensee Comments:

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/14: Changed PRA Parameter(s).

1Q/14: 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)	4.14E-08	1.43E-07	6.37E-08	1.10E-07	6.70E-08	6.58E-08	4.80E-08	1.88E-08
URI (Δ CDF)	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-08	6.50E-08	-1.40E-08	3.20E-08	-1.10E-08	-1.20E-08	-3.00E-08	-1.90E-09

Licensee Comments:

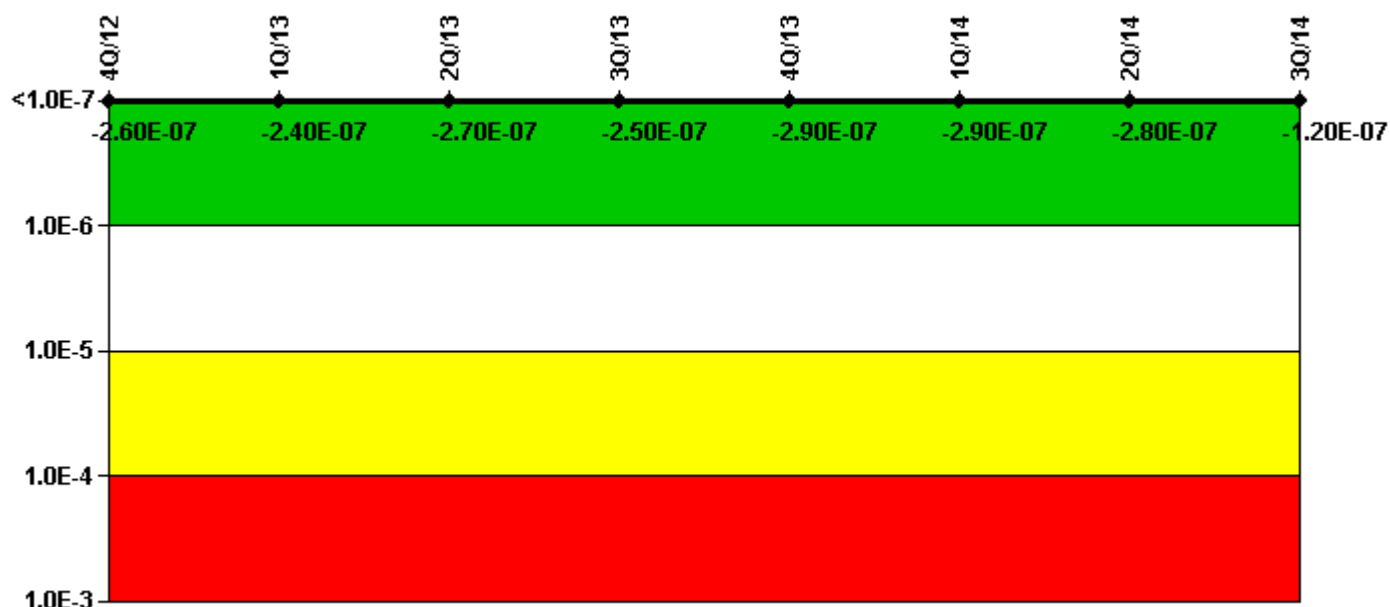
3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: 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)	-3.91E-08	-1.11E-08	-4.60E-08	-2.23E-08	-6.58E-08	-6.58E-08	-5.01E-08	-3.24E-08
URI (Δ CDF)	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-8.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.60E-07	-2.40E-07	-2.70E-07	-2.50E-07	-2.90E-07	-2.90E-07	-2.80E-07	-1.20E-07

Licensee Comments:

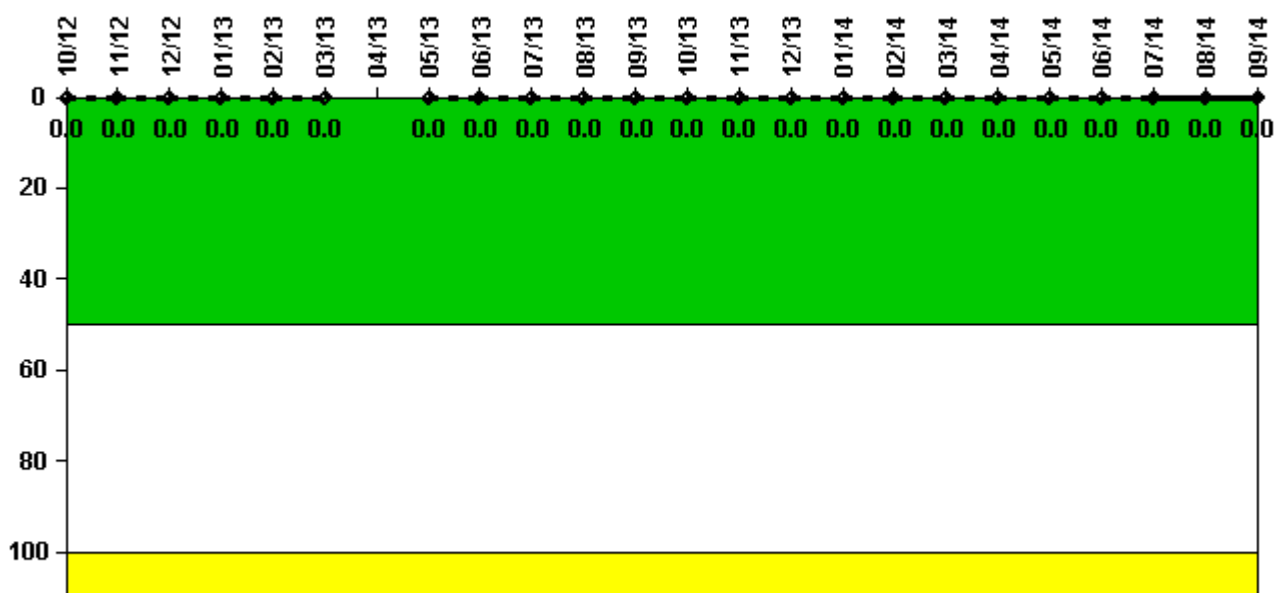
3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

4Q/12: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

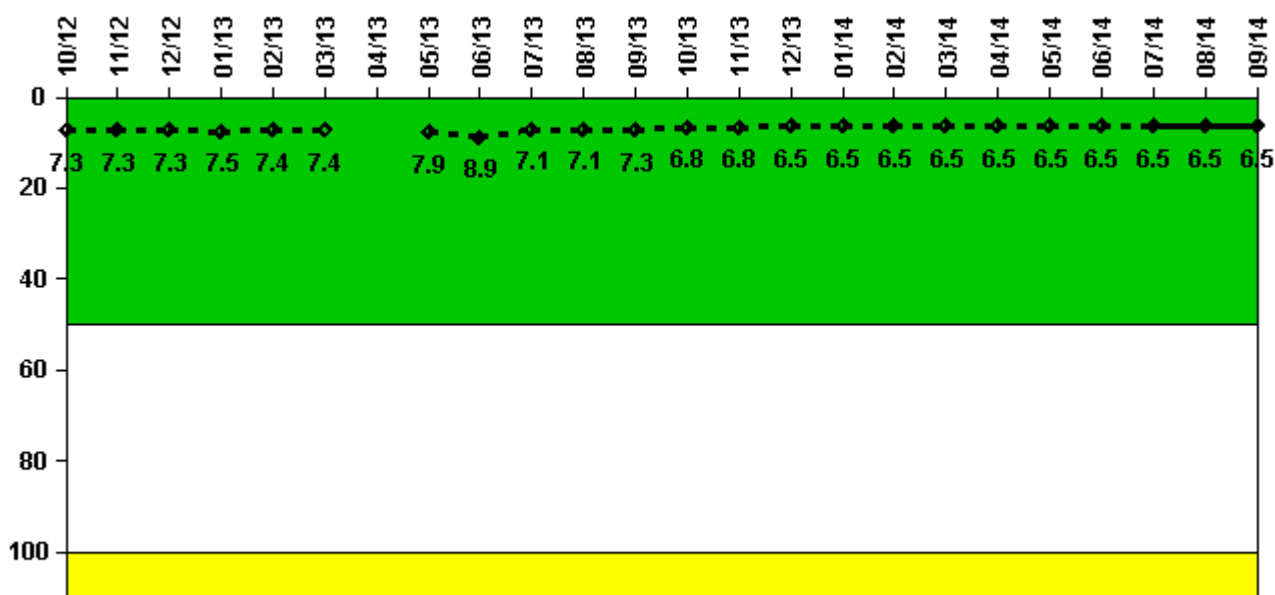
Notes

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	0.000039	0.000027	0.000031	0.000025	0.000028	0.000029	N/A	0.000045	0.000017	0.000016	0.000016	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	N/A	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	0.000017	0.000017	0.000025	0.000018	0.000019	0.000020	0.000017	0.000019	0.000033	0.000025	0.000023	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

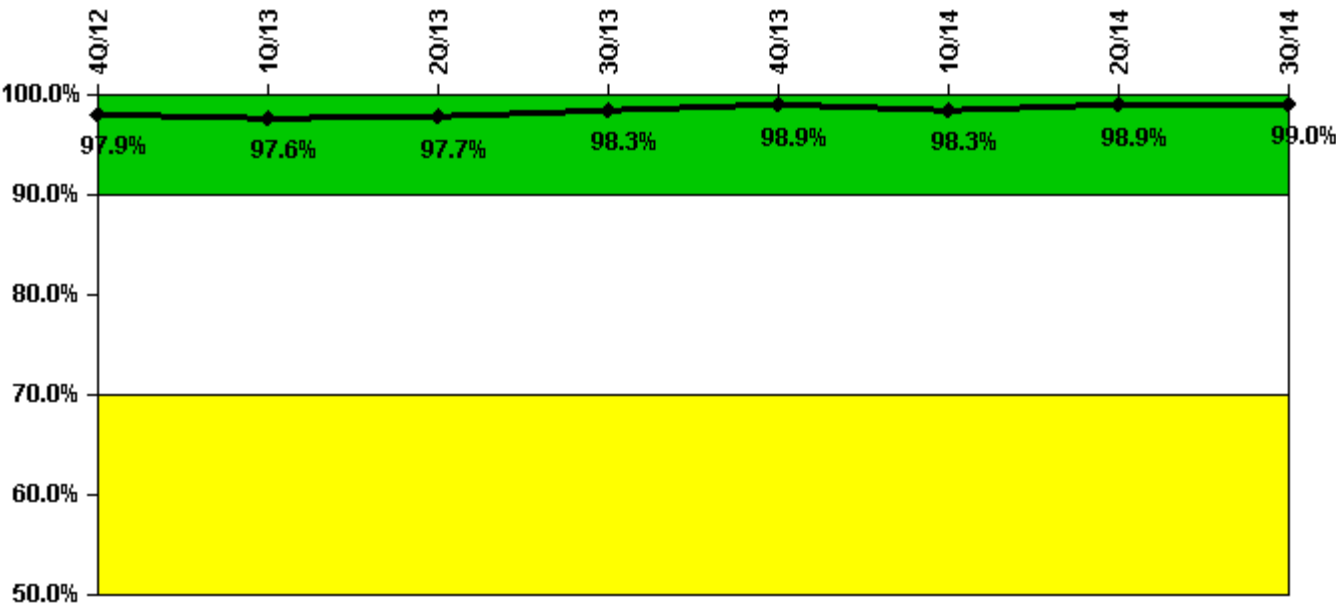
Notes

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	2.200	2.200	2.200	2.250	2.210	2.210	N/A	2.380	2.680	2.130	2.130	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.3	7.3	7.3	7.5	7.4	7.4	N/A	7.9	8.9	7.1	7.1	7.3
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	2.050	2.050	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.8	6.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

Licensee Comments:

9/13: On November 19, 2013 it was discovered that an incorrect value had been submitted for Maximum RCS Identified Leakage for July 2013. 2.14 gpm had been entered, the correct value is 2.13 gpm. The change does not affect the PI value.

Drill/Exercise Performance



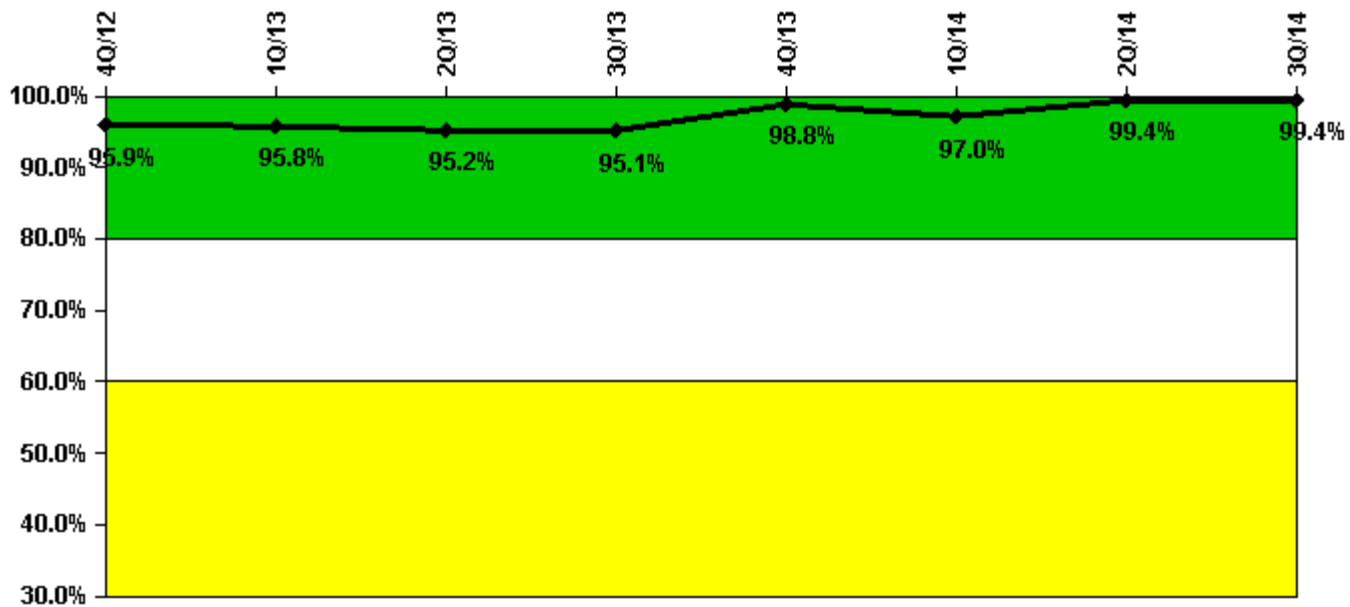
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	19.0	7.0	6.0	28.0	20.0	46.0	36.0	28.0
Total opportunities	19.0	7.0	6.0	28.0	20.0	47.0	36.0	29.0
Indicator value	97.9%	97.6%	97.7%	98.3%	98.9%	98.3%	98.9%	99.0%

Licensee Comments: none

ERO Drill Participation



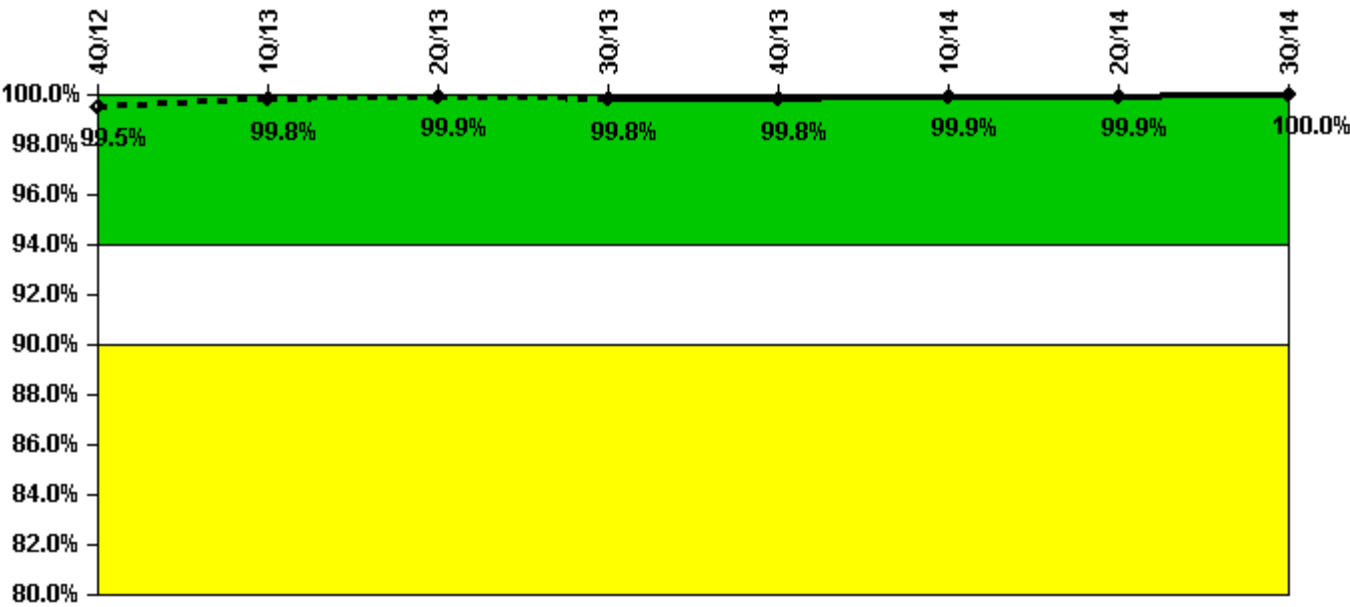
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	163.0	159.0	159.0	155.0	159.0	160.0	159.0	156.0
Total Key personnel	170.0	166.0	167.0	163.0	161.0	165.0	160.0	157.0
Indicator value	95.9%	95.8%	95.2%	95.1%	98.8%	97.0%	99.4%	99.4%

Licensee Comments: none

Alert & Notification System



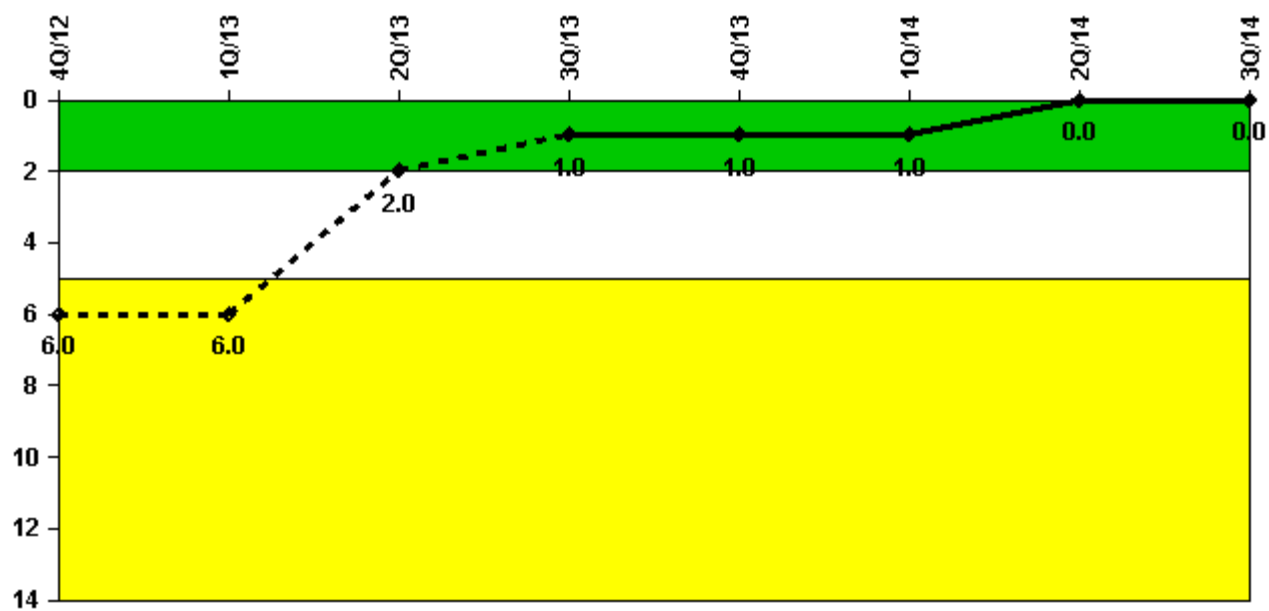
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	531	531	532	593	532	532	532	524
Total sirens-tests	532	532	532	596	532	532	532	524
Indicator value	99.5%	99.8%	99.9%	99.8%	99.8%	99.9%	99.9%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness

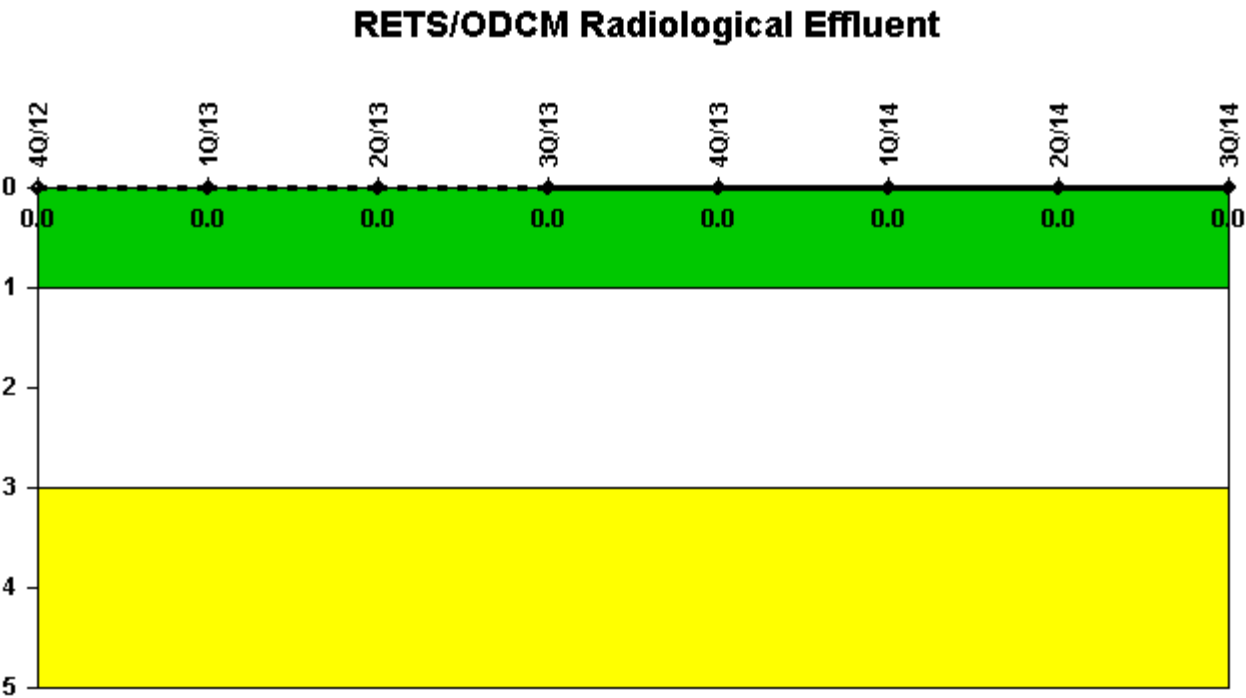


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
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	6	6	2	1	1	1	0	0

Licensee Comments: none



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: 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: November 3, 2014

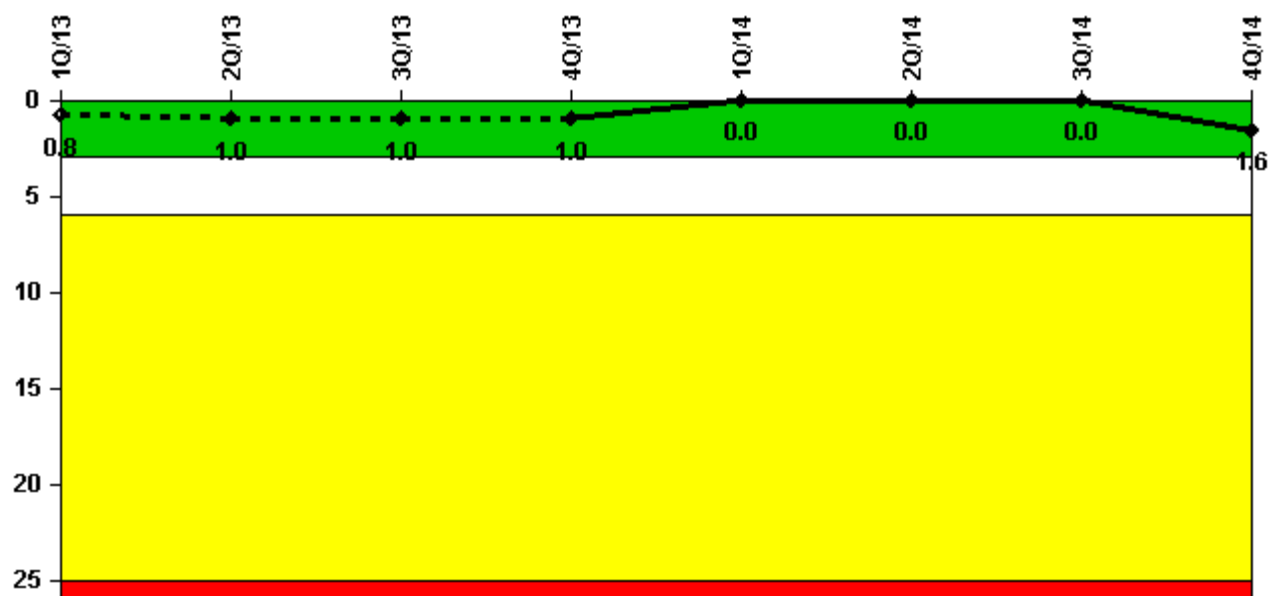
Perry 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



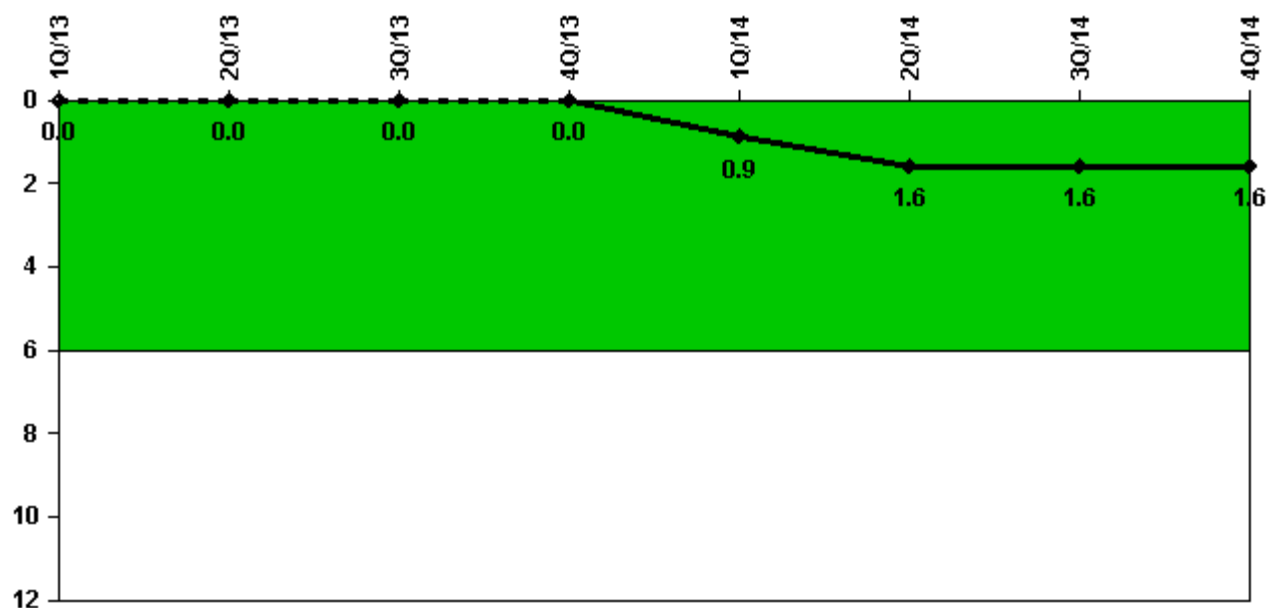
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	2.0
Critical hours	1719.9	1098.3	2167.6	2209.0	2159.0	2184.0	2208.0	1978.2
Indicator value	0.8	1.0	1.0	1.0	0	0	0	1.6

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



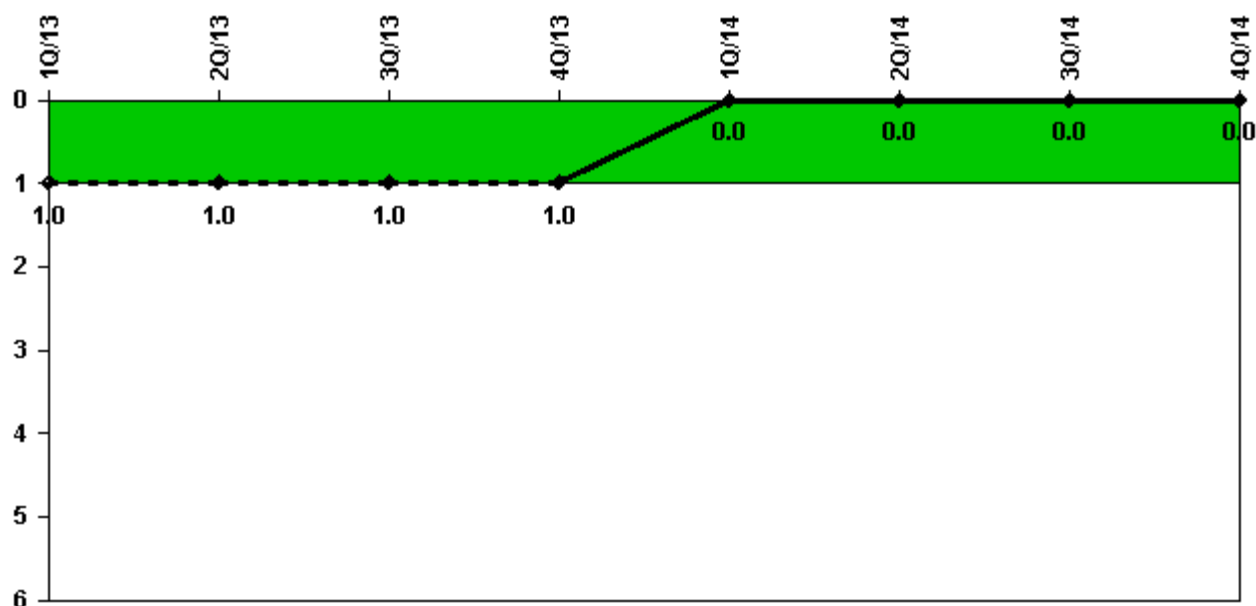
Thresholds: White > 6.0

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	0	0	0	1.0	1.0	0	0
Critical hours	1719.9	1098.3	2167.6	2209.0	2159.0	2184.0	2208.0	1978.2
Indicator value	0	0	0	0	0.9	1.6	1.6	1.6

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

Notes

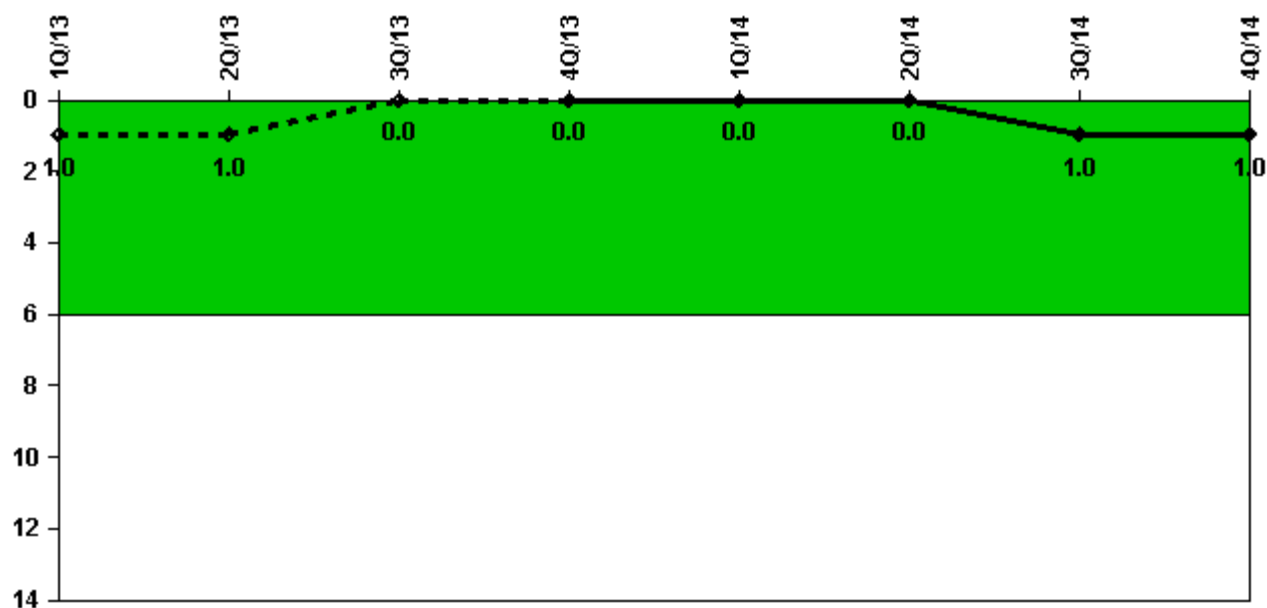
Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Scrams with complications	1.0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0

Licensee Comments:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

1Q/13: Further review of the January 22, 2013 scam against NEI 99-02 Revision 6 criteria determined that it counts as a USwC. A change file is submitted to correct the PI data initially reported.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

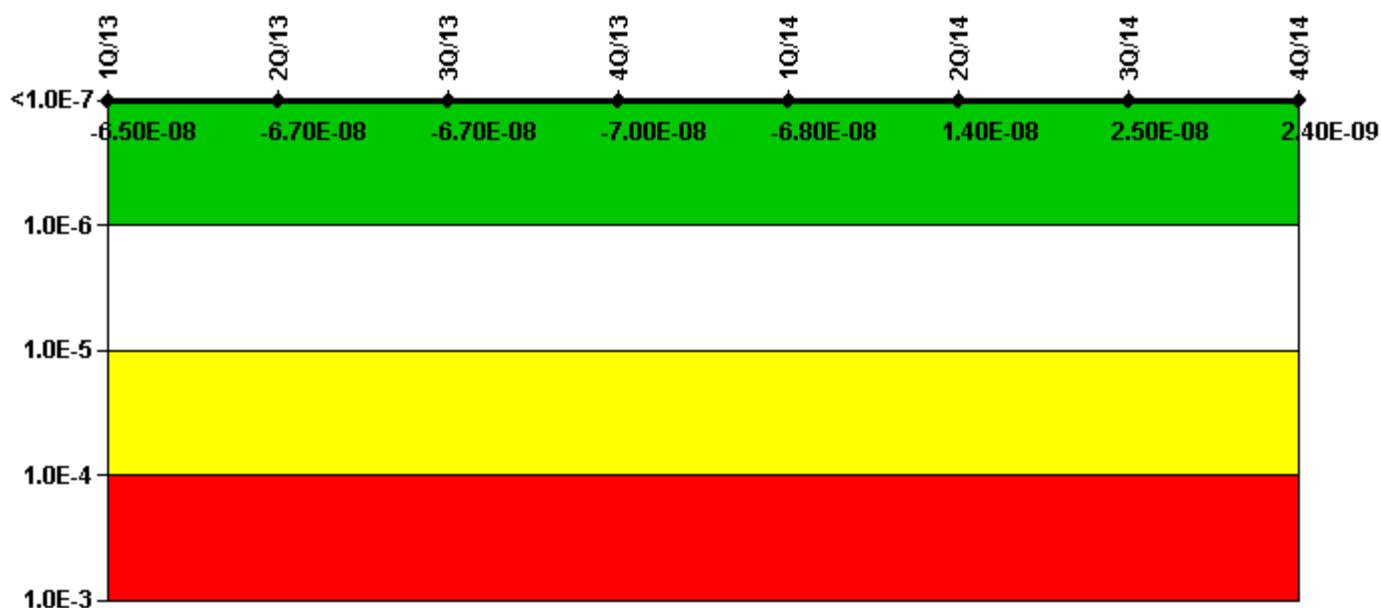
Notes

Safety System Functional Failures (BWR)	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	1	1	0	0	0	0	1	1

Licensee Comments:

3Q/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	1.75E-08	1.56E-08	1.60E-08	1.28E-08	1.53E-08	1.51E-08	1.89E-08	-3.76E-09
URI (Δ CDF)	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-1.51E-09	6.14E-09	6.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.50E-08	-6.70E-08	-6.70E-08	-7.00E-08	-6.80E-08	1.40E-08	2.50E-08	2.40E-09

Licensee Comments:

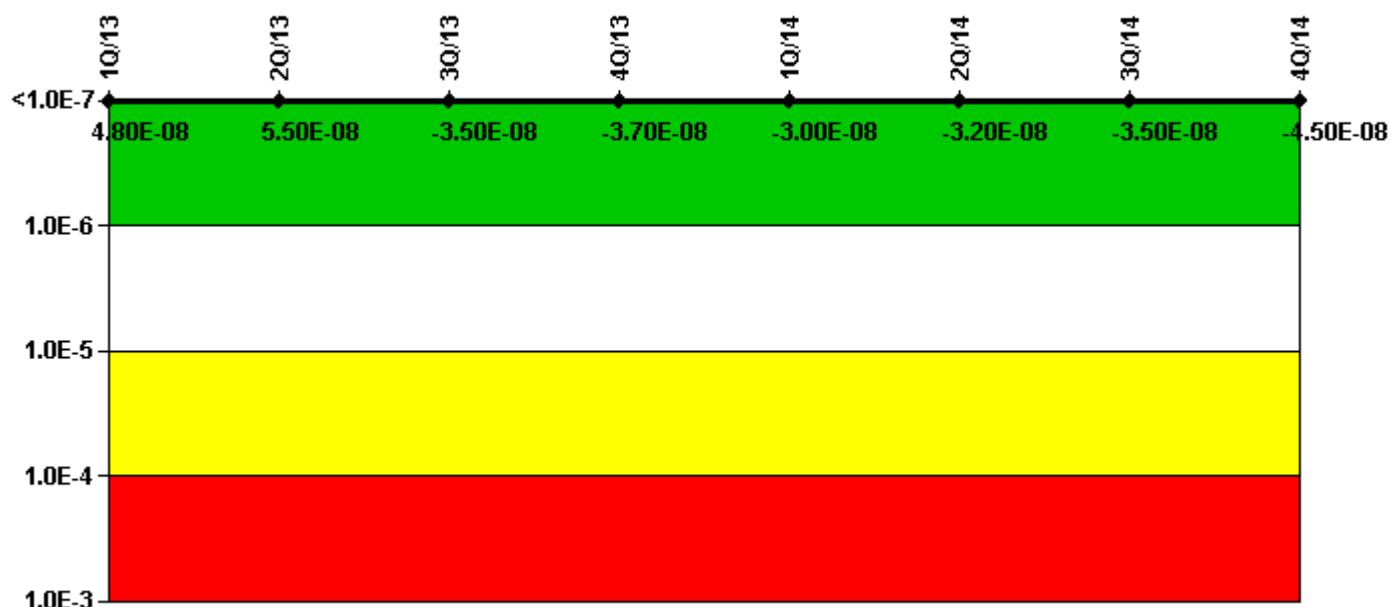
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

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

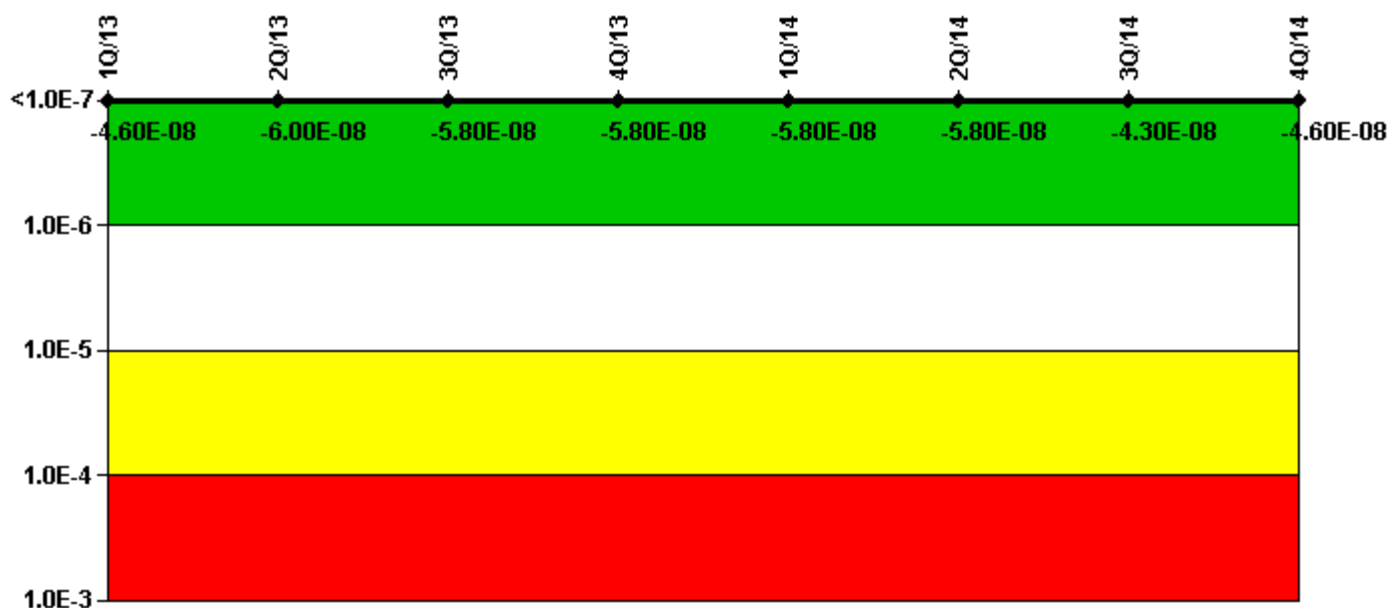
Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	1.08E-07	1.14E-07	2.43E-08	2.29E-08	2.91E-08	2.71E-08	1.00E-07	9.17E-08
URI (Δ CDF)	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-1.35E-07	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.80E-08	5.50E-08	-3.50E-08	-3.70E-08	-3.00E-08	-3.20E-08	-3.50E-08	-4.50E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	-2.00E-09	-1.63E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.37E-08	-1.10E-08	-1.10E-08
URI (Δ CDF)	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.41E-08	-3.23E-08	-3.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-08	-6.00E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-4.30E-08	-4.60E-08

Licensee Comments:

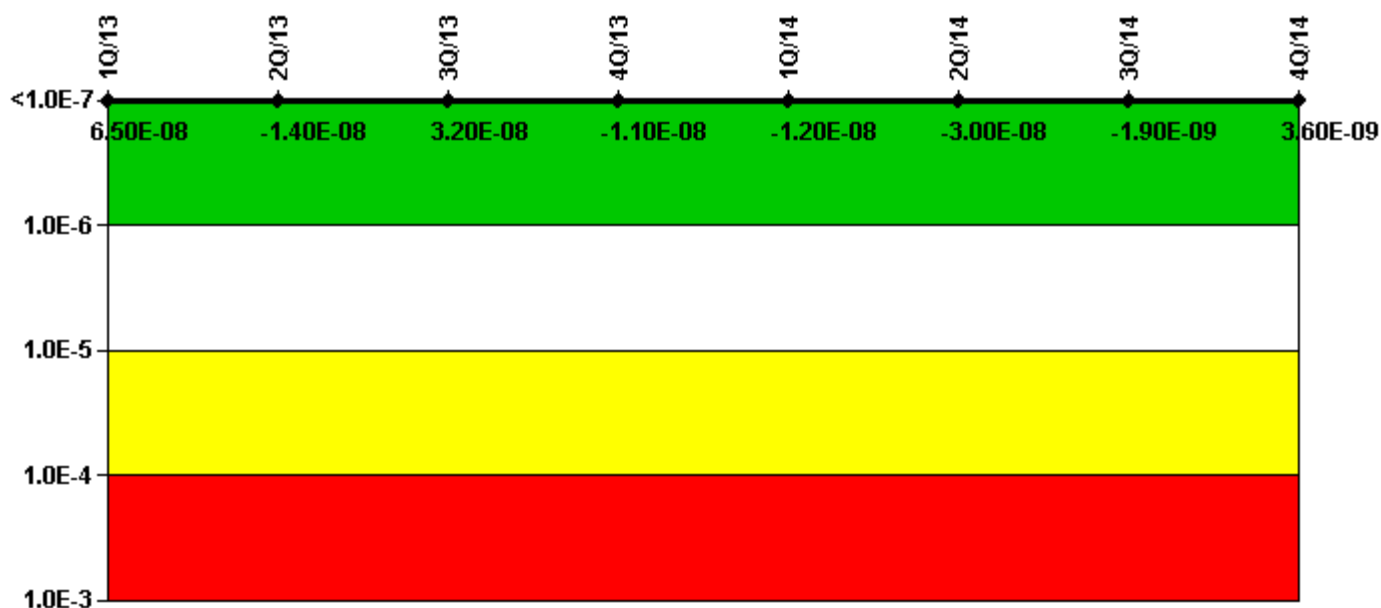
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/14: Changed PRA Parameter(s).

1Q/14: 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 (Δ CDF)	1.43E-07	6.37E-08	1.10E-07	6.70E-08	6.58E-08	4.80E-08	1.88E-08	2.42E-08
URI (Δ CDF)	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.50E-08	-1.40E-08	3.20E-08	-1.10E-08	-1.20E-08	-3.00E-08	-1.90E-09	3.60E-09

Licensee Comments:

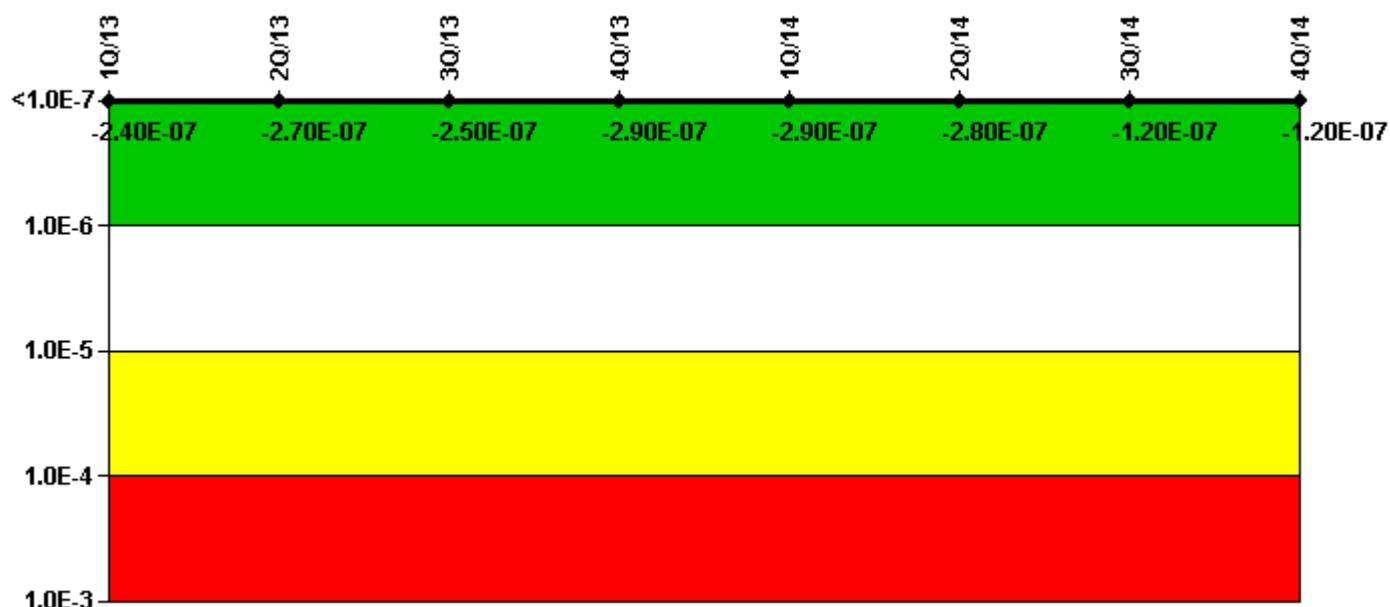
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

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 (Δ CDF)	-1.11E-08	-4.60E-08	-2.23E-08	-6.58E-08	-6.58E-08	-5.01E-08	-3.24E-08	-3.30E-08
URI (Δ CDF)	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-8.57E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.40E-07	-2.70E-07	-2.50E-07	-2.90E-07	-2.90E-07	-2.80E-07	-1.20E-07	-1.20E-07

Licensee Comments:

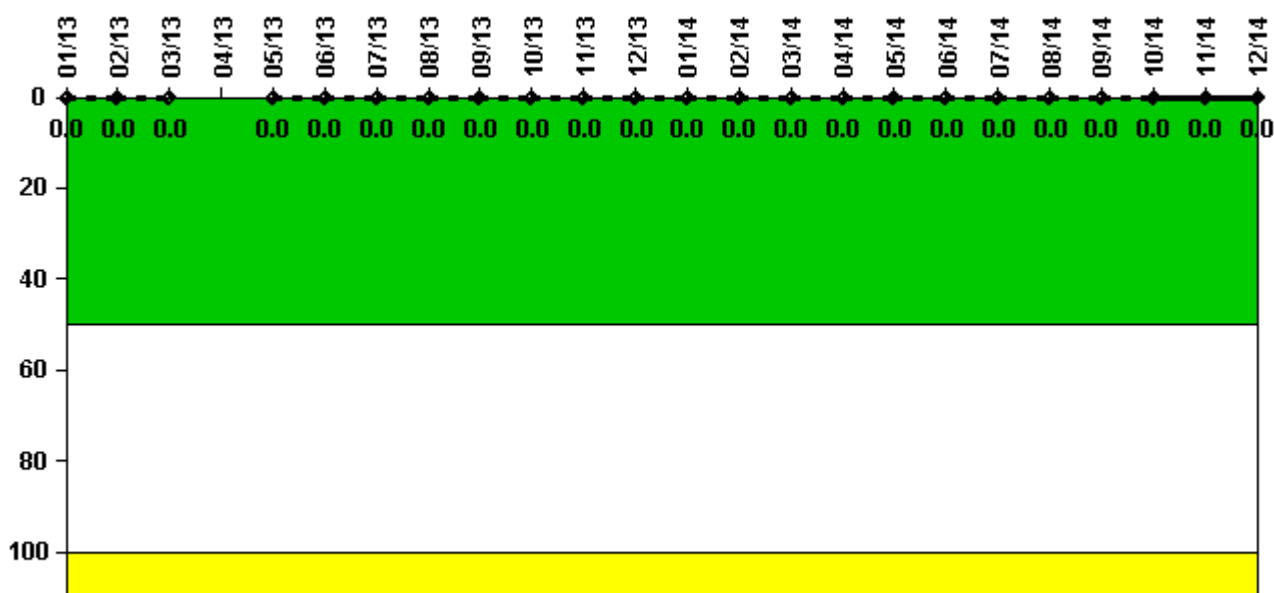
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

1Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

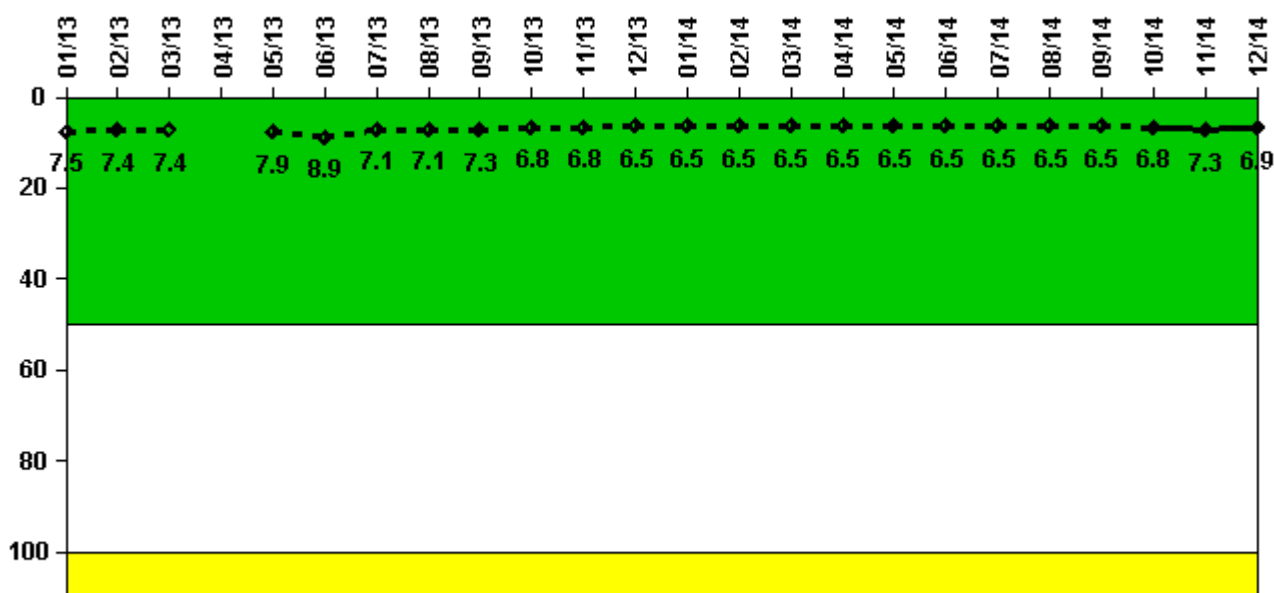
Notes

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	0.000025	0.000028	0.000029	N/A	0.000045	0.000017	0.000016	0.000016	0.000015	0.000017	0.000017	0.000025
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	N/A	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	0.000018	0.000019	0.000020	0.000017	0.000019	0.000033	0.000025	0.000023	0.000023	0.000044	0.000020	0.000026
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

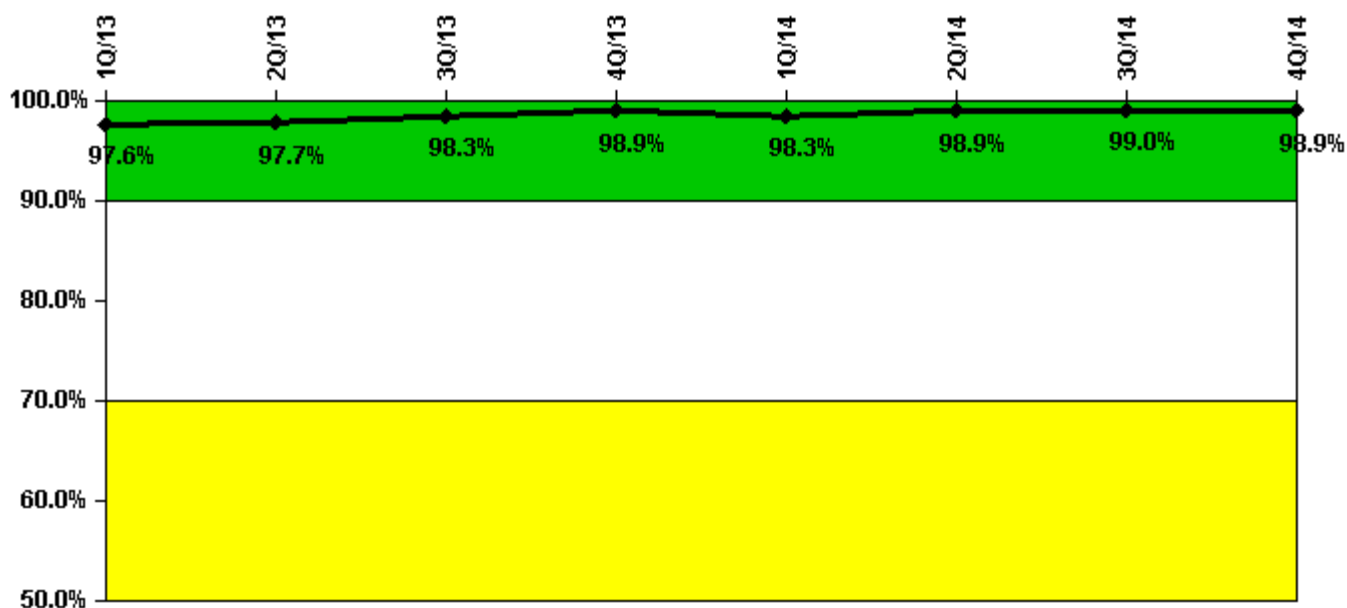
Notes

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	2.250	2.210	2.210	N/A	2.380	2.680	2.130	2.130	2.200	2.050	2.050	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.5	7.4	7.4	N/A	7.9	8.9	7.1	7.1	7.3	6.8	6.8	6.5
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	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	2.030	2.200	2.080
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.8	7.3	6.9

Licensee Comments:

9/13: On November 19, 2013 it was discovered that an incorrect value had been submitted for Maximum RCS Identified Leakage for July 2013. 2.14 gpm had been entered, the correct value is 2.13 gpm. The change does not affect the PI value.

Drill/Exercise Performance



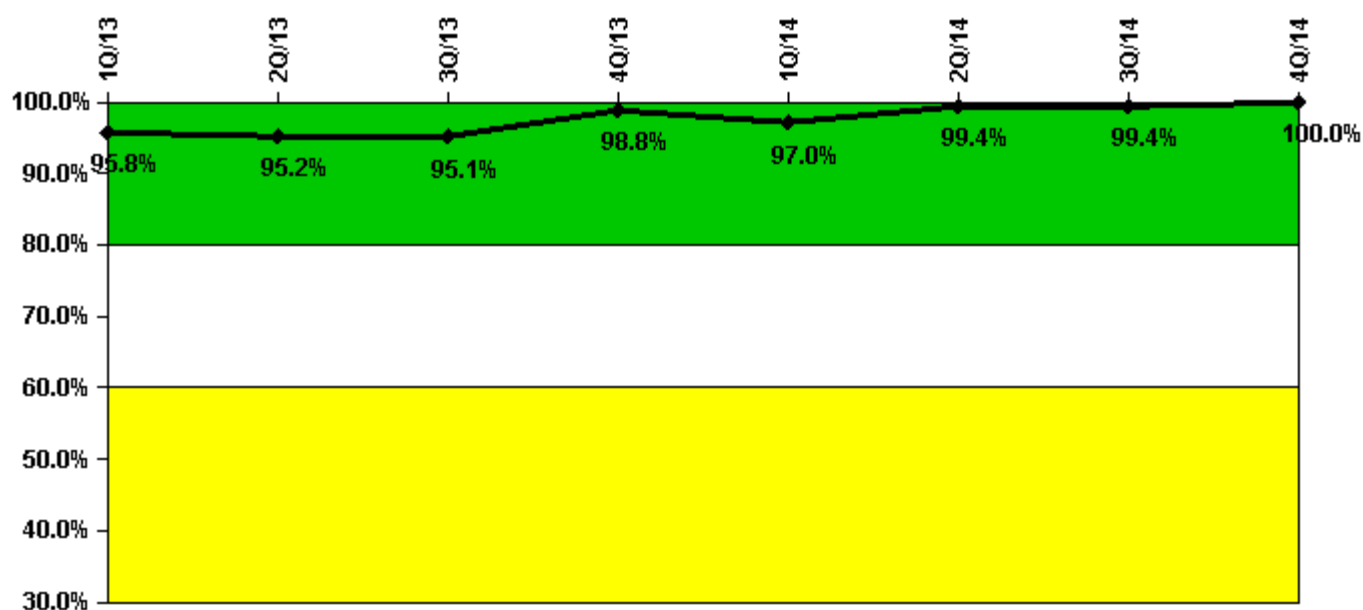
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	7.0	6.0	28.0	20.0	46.0	36.0	28.0	10.0
Total opportunities	7.0	6.0	28.0	20.0	47.0	36.0	29.0	10.0
Indicator value	97.6%	97.7%	98.3%	98.9%	98.3%	98.9%	99.0%	98.9%

Licensee Comments: none

ERO Drill Participation



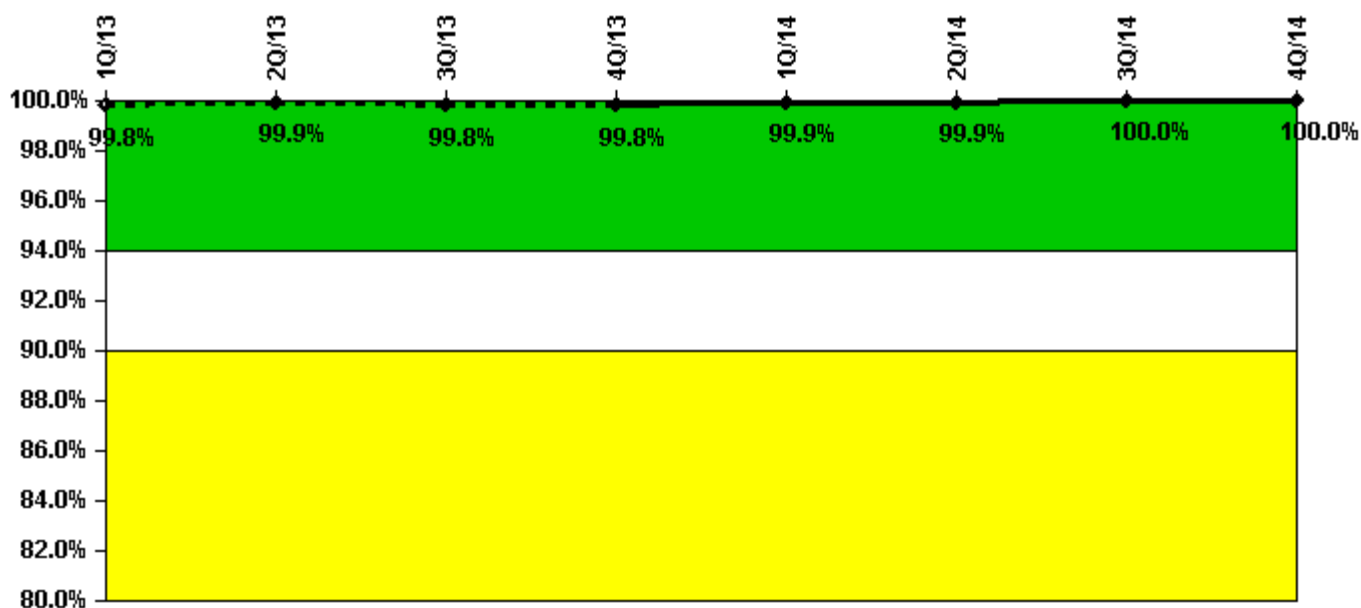
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	159.0	159.0	155.0	159.0	160.0	159.0	156.0	156.0
Total Key personnel	166.0	167.0	163.0	161.0	165.0	160.0	157.0	156.0
Indicator value	95.8%	95.2%	95.1%	98.8%	97.0%	99.4%	99.4%	100.0%

Licensee Comments: none

Alert & Notification System



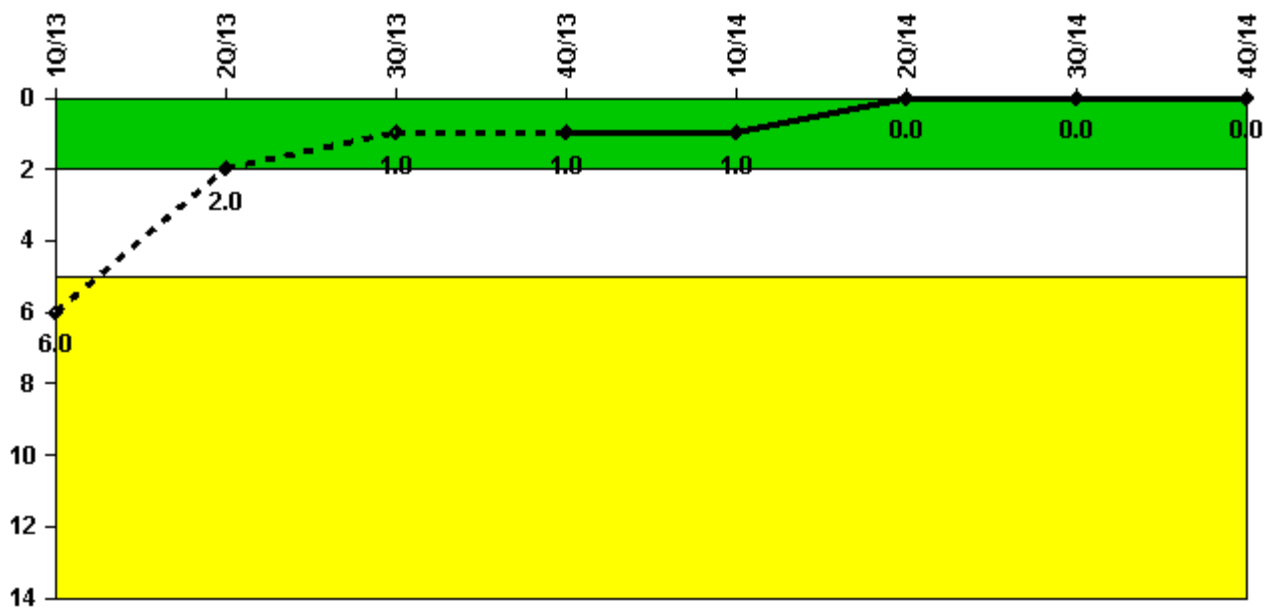
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	531	532	593	532	532	532	524	520
Total sirens-tests	532	532	596	532	532	532	524	520
Indicator value	99.8%	99.9%	99.8%	99.8%	99.9%	99.9%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness

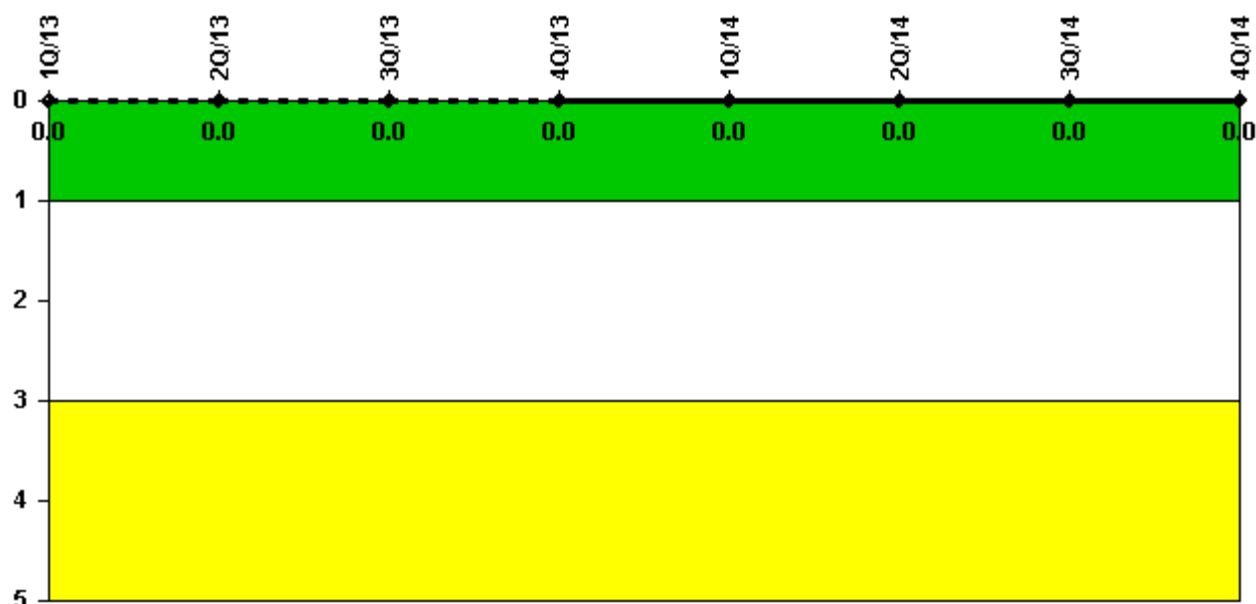


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
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	6	2	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	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

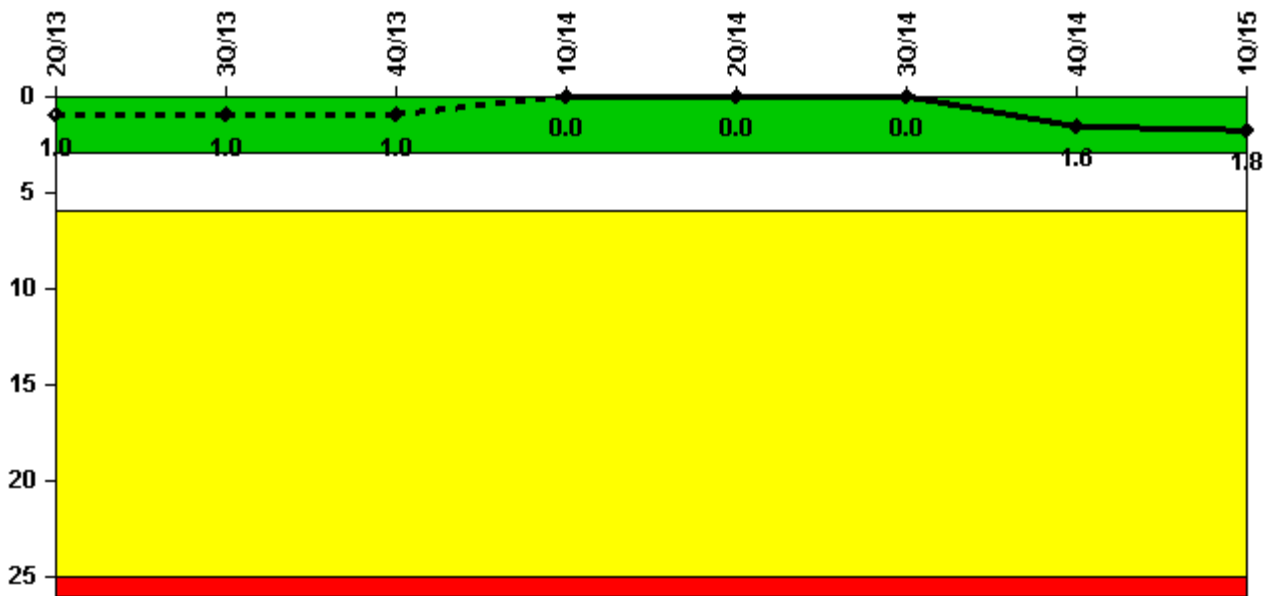
Perry 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



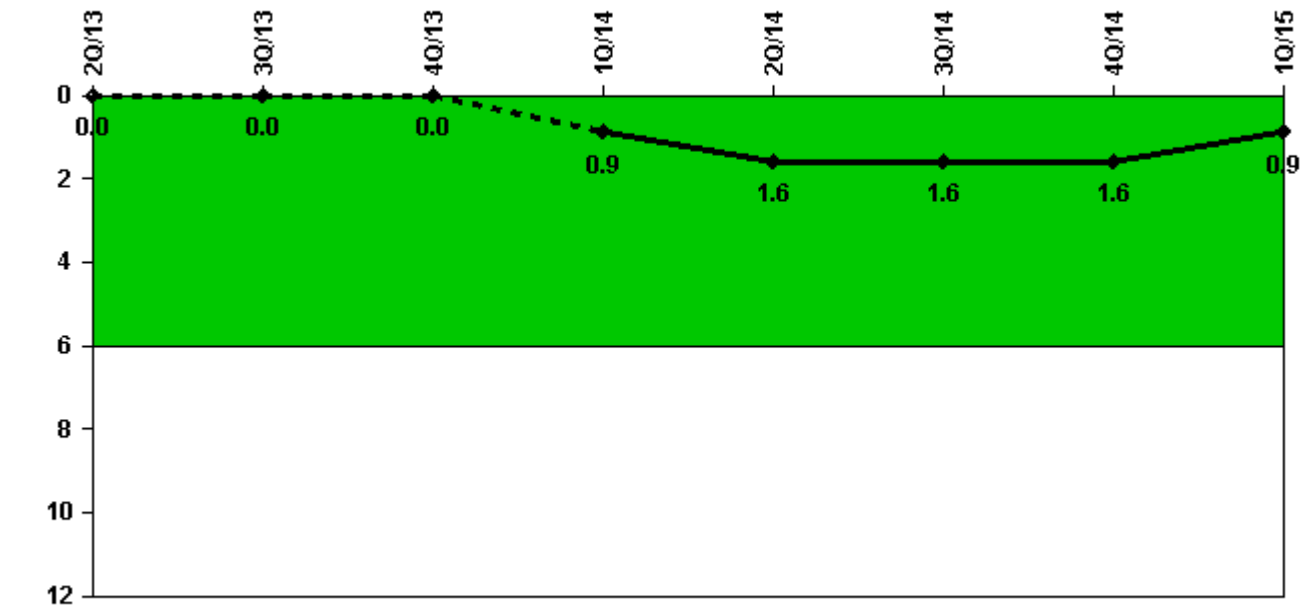
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0
Critical hours	1098.3	2167.6	2209.0	2159.0	2184.0	2208.0	1978.2	1607.7
Indicator value	1.0	1.0	1.0	0	0	0	1.6	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



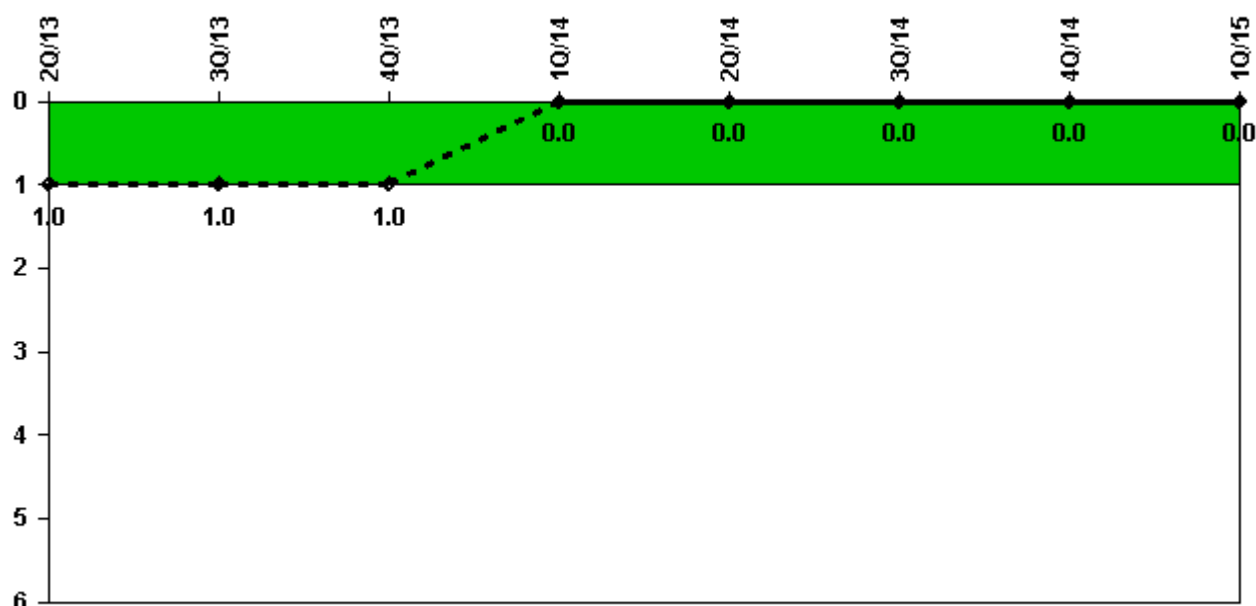
Thresholds: White > 6.0

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	0	0	0	1.0	1.0	0	0	0
Critical hours	1098.3	2167.6	2209.0	2159.0	2184.0	2208.0	1978.2	1607.7
Indicator value	0	0	0	0.9	1.6	1.6	1.6	0.9

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

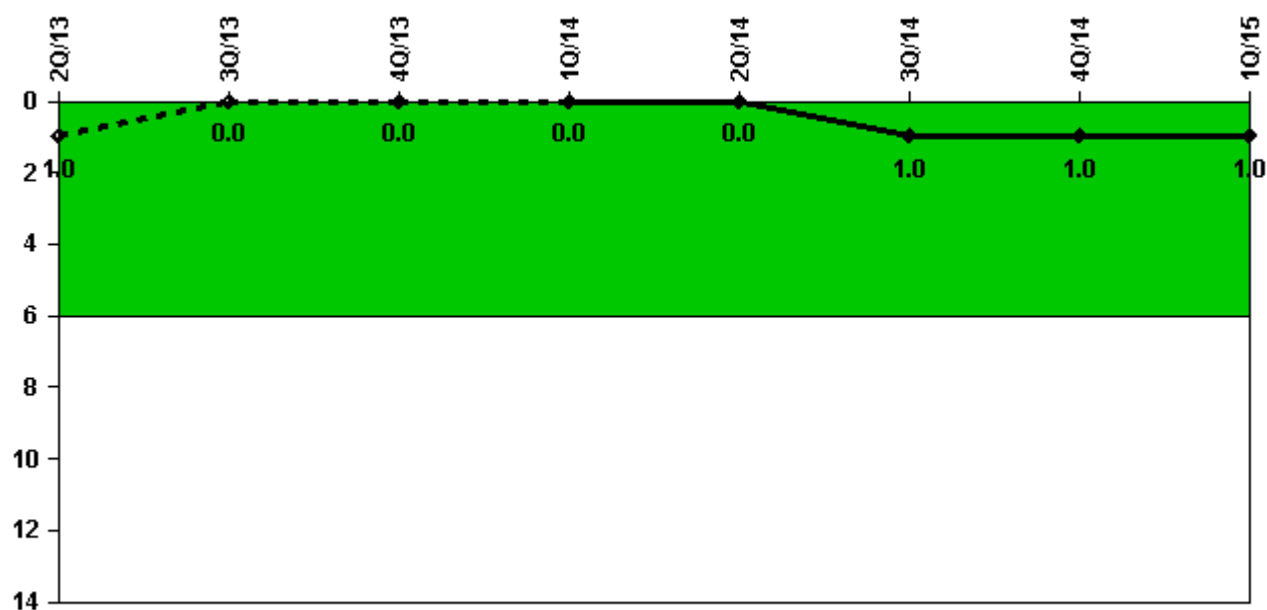
Notes

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	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

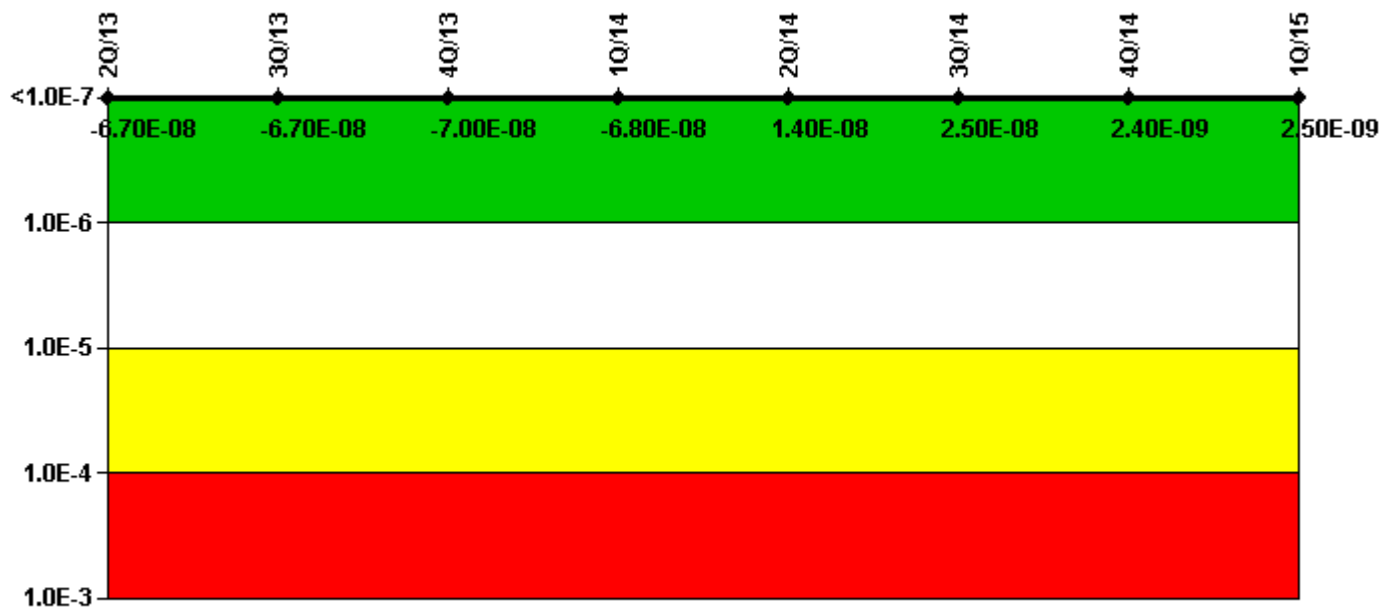
Notes

Safety System Functional Failures (BWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	1	0	0	0	0	1	1	1

Licensee Comments:

3Q/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	1.56E-08	1.60E-08	1.28E-08	1.53E-08	1.51E-08	1.89E-08	-3.76E-09	-3.66E-09
URI (Δ CDF)	-8.30E-08	-8.30E-08	-8.30E-08	-8.30E-08	-1.51E-09	6.14E-09	6.14E-09	6.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.70E-08	-6.70E-08	-7.00E-08	-6.80E-08	1.40E-08	2.50E-08	2.40E-09	2.50E-09

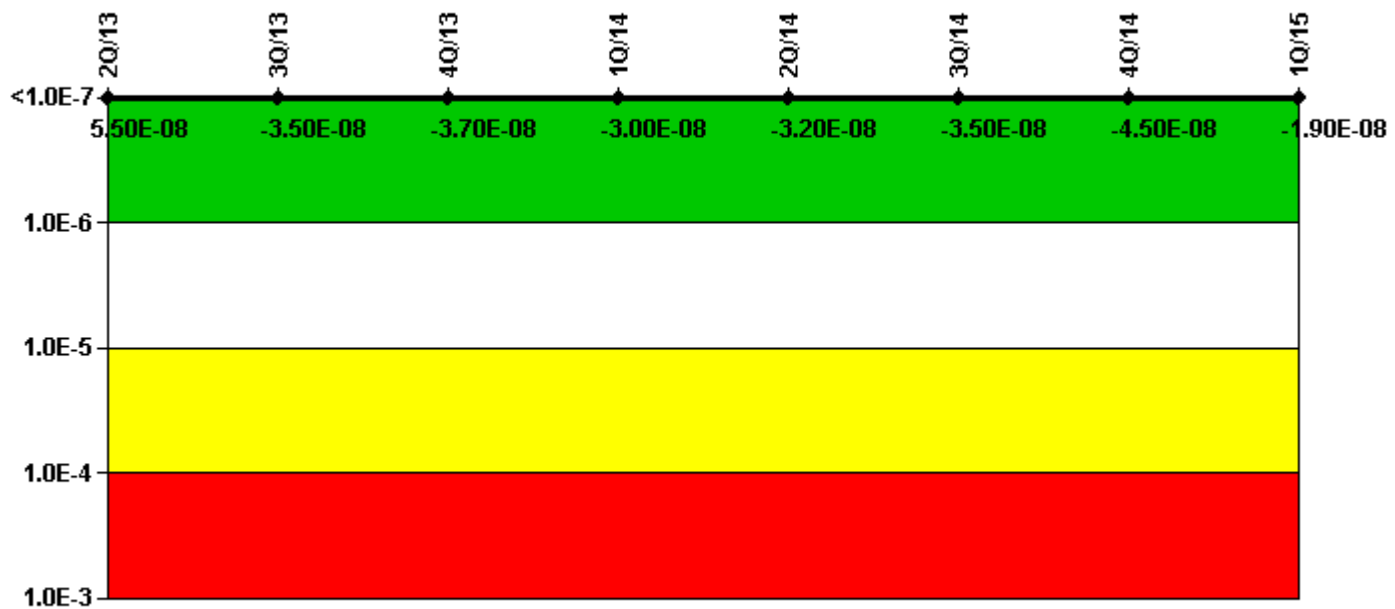
Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

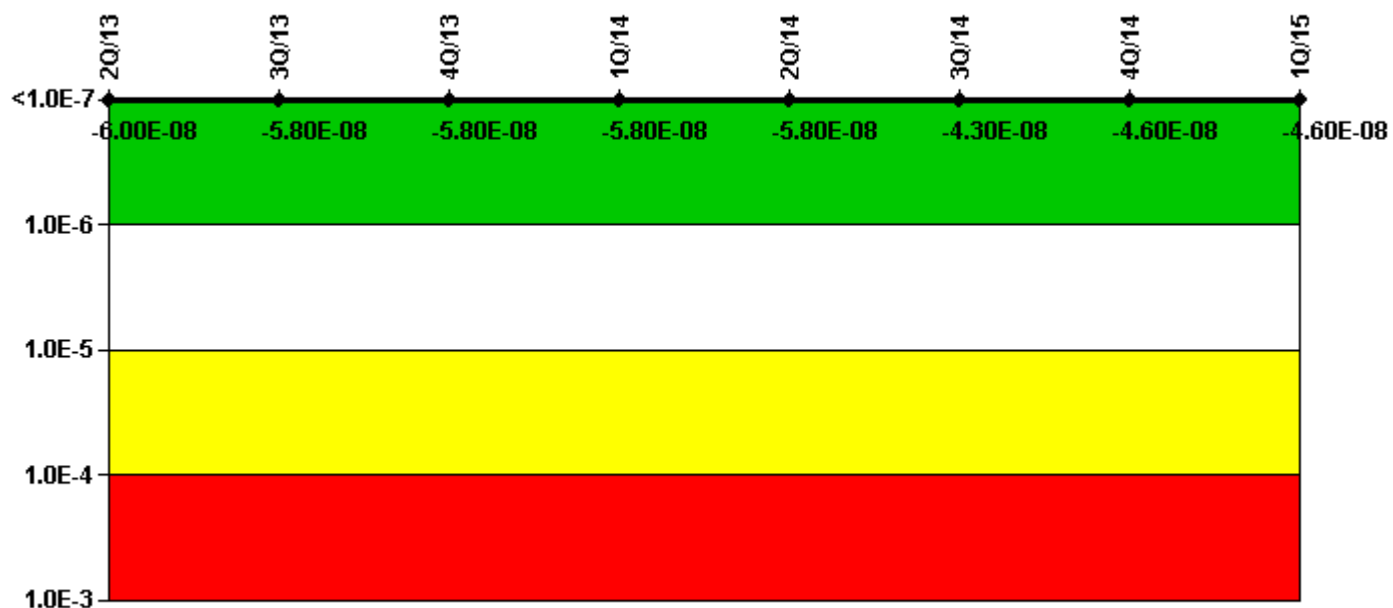
Mitigating Systems Performance Index, High Pressure Injection System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	1.14E-07	2.43E-08	2.29E-08	2.91E-08	2.71E-08	1.00E-07	9.17E-08	1.18E-07
URI (Δ CDF)	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-1.35E-07	-1.37E-07	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.50E-08	-3.50E-08	-3.70E-08	-3.00E-08	-3.20E-08	-3.50E-08	-4.50E-08	-1.90E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	-1.63E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.37E-08	-1.10E-08	-1.10E-08	-1.07E-08
URI (Δ CDF)	-4.40E-08	-4.40E-08	-4.40E-08	-4.40E-08	-4.41E-08	-3.23E-08	-3.51E-08	-3.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-4.30E-08	-4.60E-08	-4.60E-08

Licensee Comments:

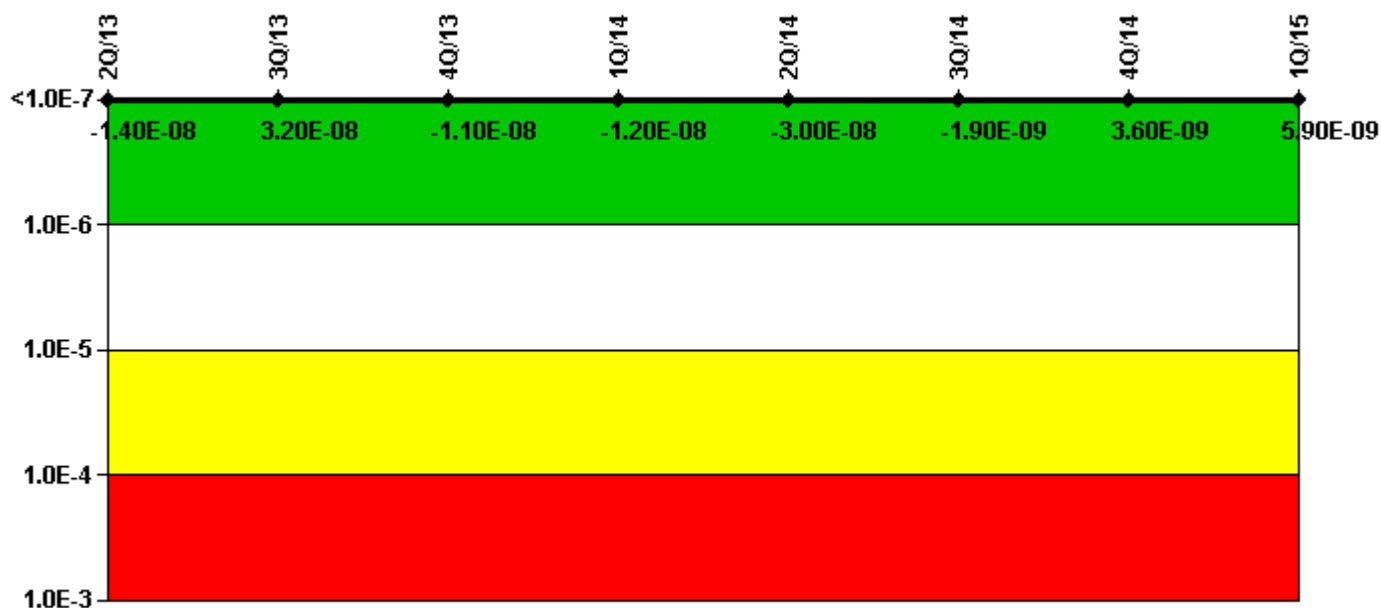
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/14: Changed PRA Parameter(s).

1Q/14: 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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	6.37E-08	1.10E-07	6.70E-08	6.58E-08	4.80E-08	1.88E-08	2.42E-08	2.66E-08
URI (ΔCDF)	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	3.20E-08	-1.10E-08	-1.20E-08	-3.00E-08	-1.90E-09	3.60E-09	5.90E-09

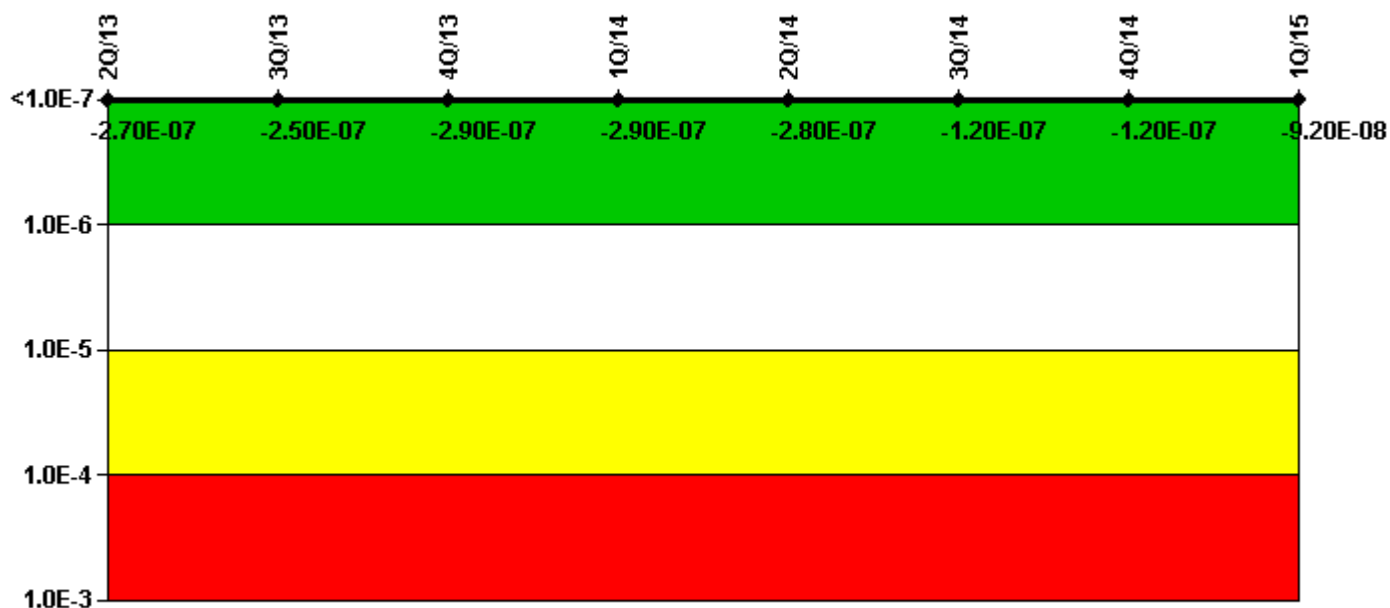
Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

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)	-4.60E-08	-2.23E-08	-6.58E-08	-6.58E-08	-5.01E-08	-3.24E-08	-3.30E-08	-5.14E-09
URI (Δ CDF)	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-8.57E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.70E-07	-2.50E-07	-2.90E-07	-2.90E-07	-2.80E-07	-1.20E-07	-1.20E-07	-9.20E-08

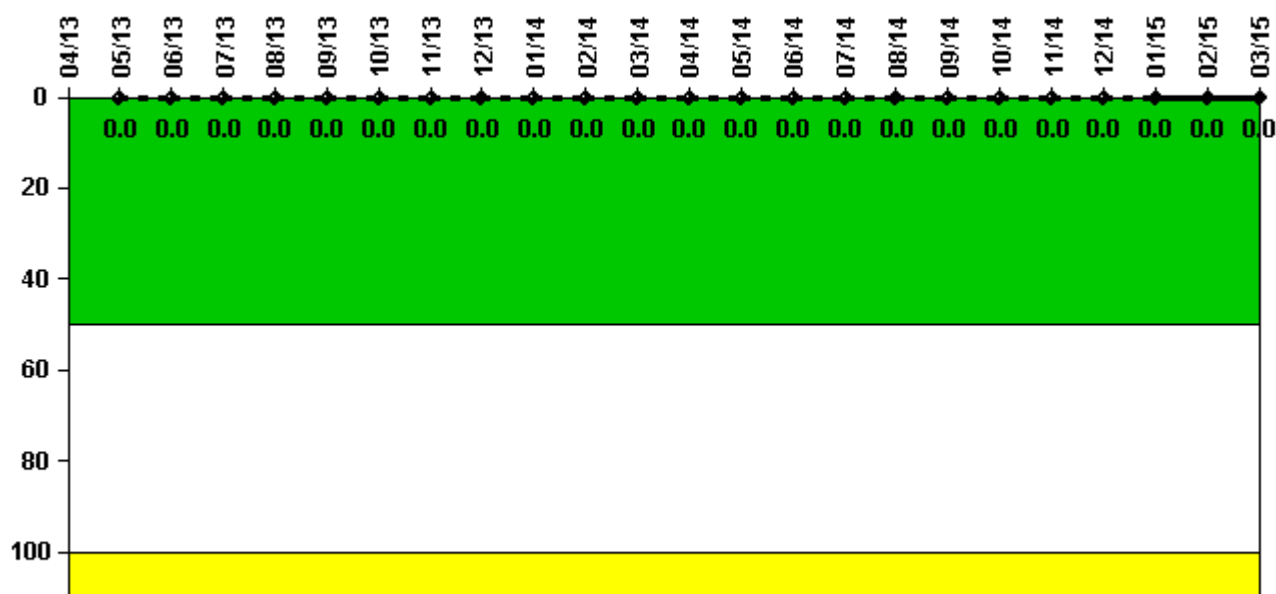
Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/13: Changed PRA Parameter(s). The common cause adjustment (CCA) factors were re-calculated to provide more precise results. The newly calculated CCA factors are applicable to Q4 2012 and later MSPI data.

Reactor Coolant System Activity



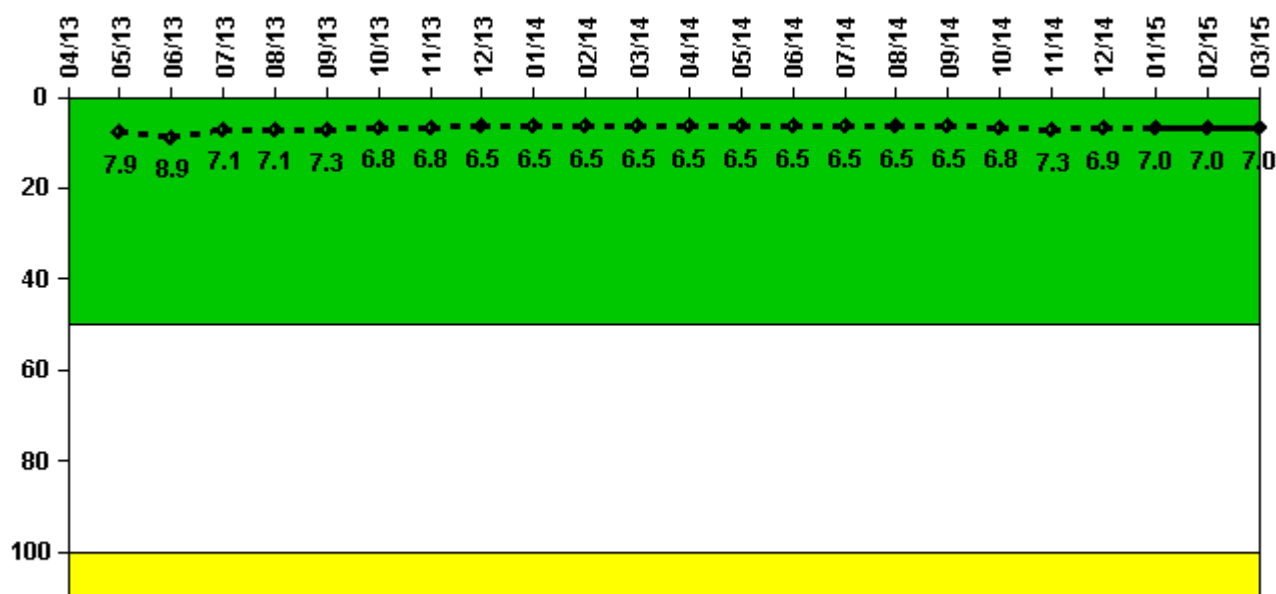
Thresholds: White > 50.0 Yellow > 100.0

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	N/A	0.000045	0.000017	0.000016	0.000016	0.000015	0.000017	0.000017	0.000025	0.000018	0.000019	0.000020
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0	0	0	0	0	0	0	0	0	0	0
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	0.000017	0.000019	0.000033	0.000025	0.000023	0.000023	0.000044	0.000020	0.000026	0.000022	0.000020	0.000019
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

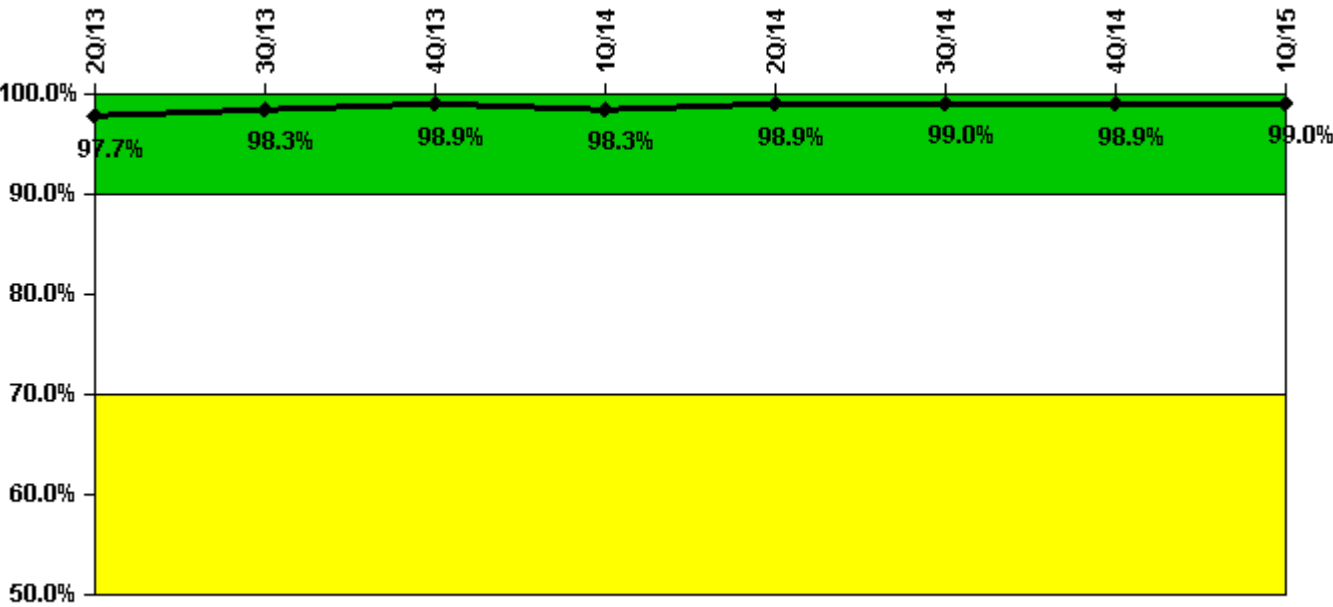
Notes

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	N/A	2.380	2.680	2.130	2.130	2.200	2.050	2.050	1.950	1.950	1.950	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	7.9	8.9	7.1	7.1	7.3	6.8	6.8	6.5	6.5	6.5	6.5
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	1.950	1.950	1.950	1.950	1.950	1.950	2.030	2.200	2.080	2.100	2.100	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.5	6.5	6.5	6.5	6.5	6.5	6.8	7.3	6.9	7.0	7.0	7.0

Licensee Comments:

9/13: On November 19, 2013 it was discovered that an incorrect value had been submitted for Maximum RCS Identified Leakage for July 2013. 2.14 gpm had been entered, the correct value is 2.13 gpm. The change does not affect the PI value.

Drill/Exercise Performance



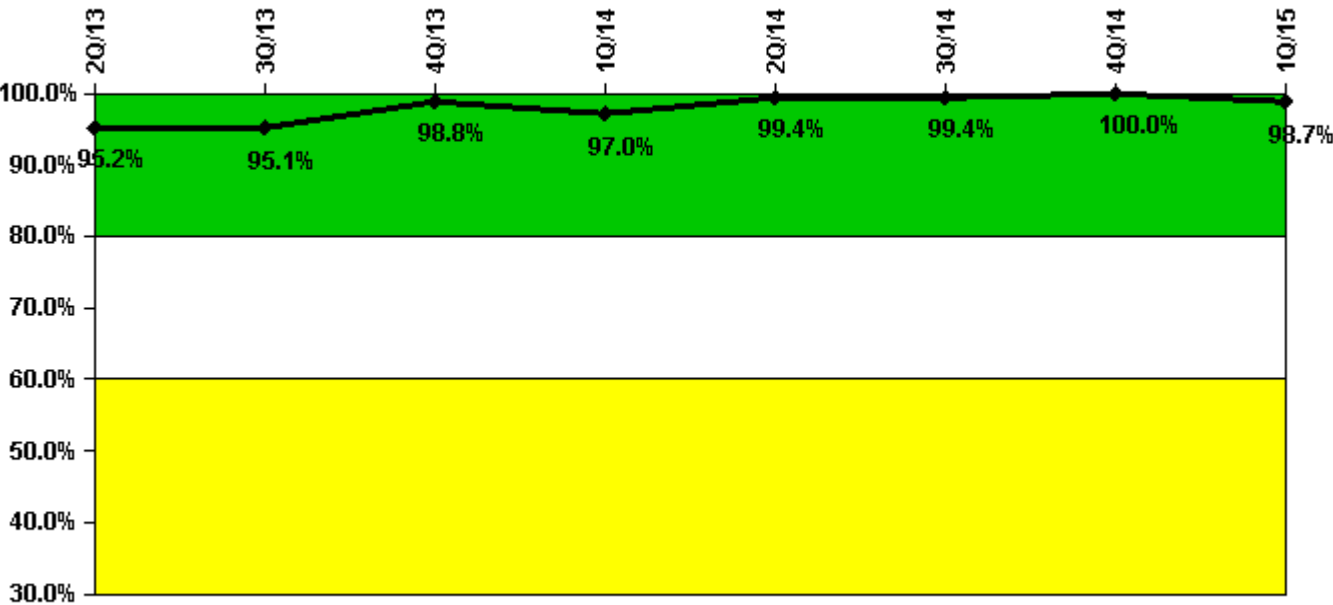
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	6.0	28.0	20.0	46.0	36.0	28.0	10.0	22.0
Total opportunities	6.0	28.0	20.0	47.0	36.0	29.0	10.0	22.0
Indicator value	97.7%	98.3%	98.9%	98.3%	98.9%	99.0%	98.9%	99.0%

Licensee Comments: none

ERO Drill Participation



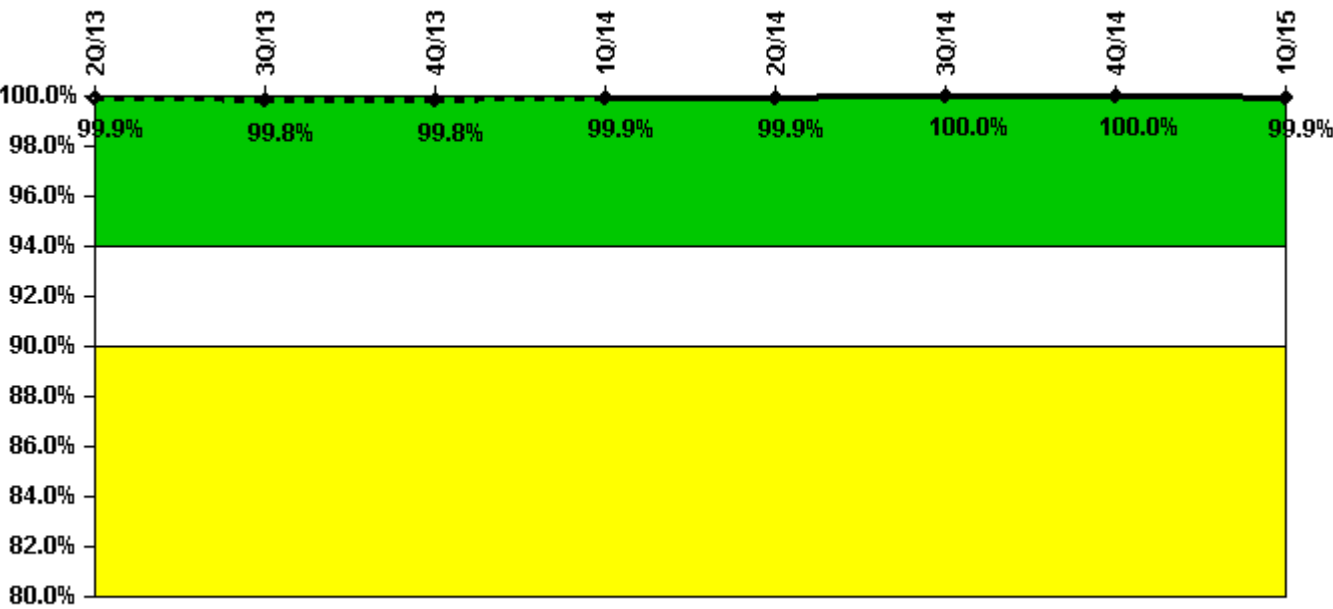
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	159.0	155.0	159.0	160.0	159.0	156.0	156.0	153.0
Total Key personnel	167.0	163.0	161.0	165.0	160.0	157.0	156.0	155.0
Indicator value	95.2%	95.1%	98.8%	97.0%	99.4%	99.4%	100.0%	98.7%

Licensee Comments: none

Alert & Notification System



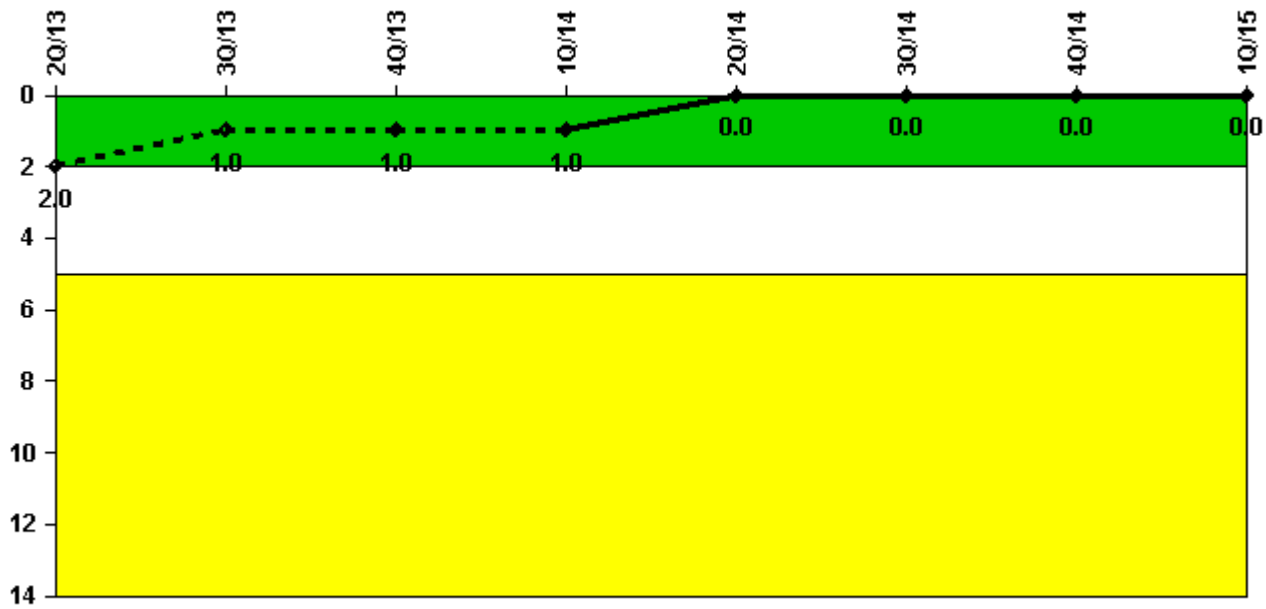
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	532	593	532	532	532	524	520	454
Total sirens-tests	532	596	532	532	532	524	520	456
Indicator value	99.9%	99.8%	99.8%	99.9%	99.9%	100.0%	100.0%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

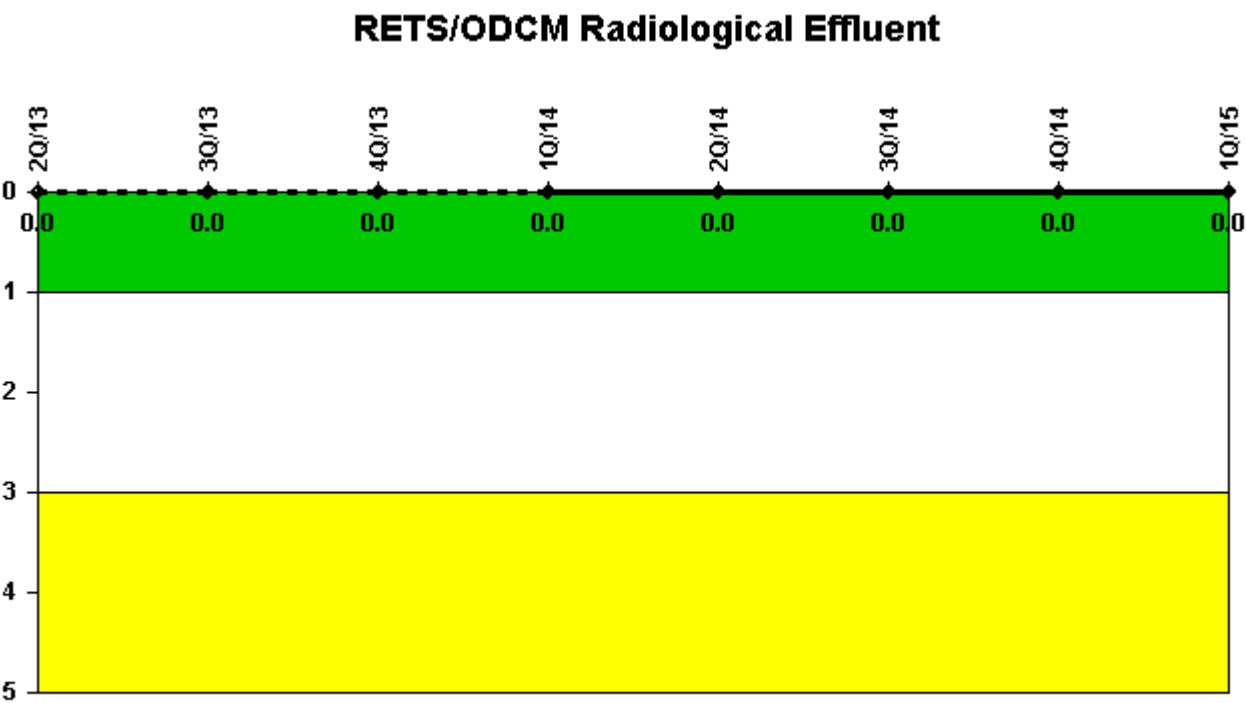


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/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	2	1	1	1	0	0	0	0

Licensee Comments: none



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

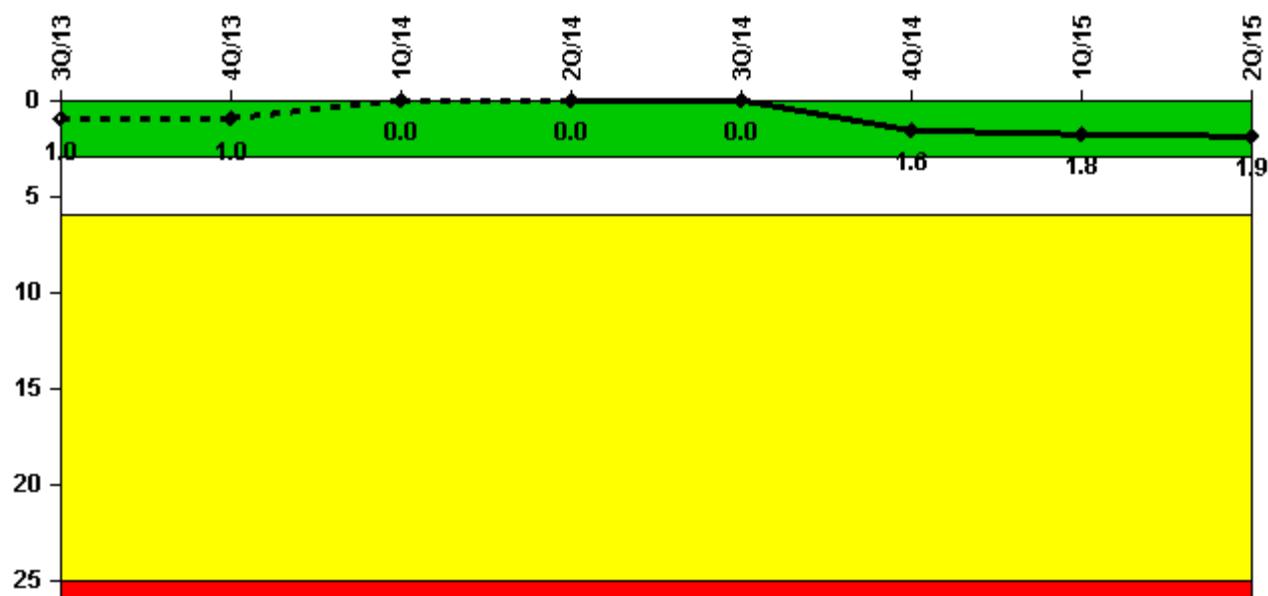
Perry 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



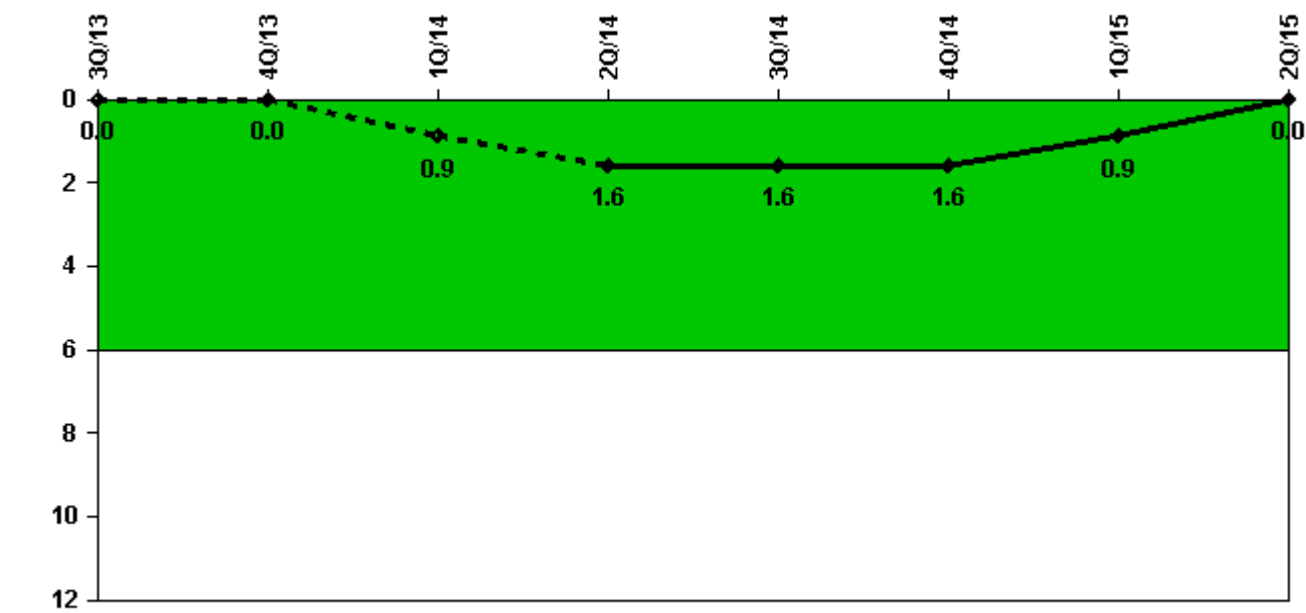
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0
Critical hours	2167.6	2209.0	2159.0	2184.0	2208.0	1978.2	1607.7	1642.2
Indicator value	1.0	1.0	0	0	0	1.6	1.8	1.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



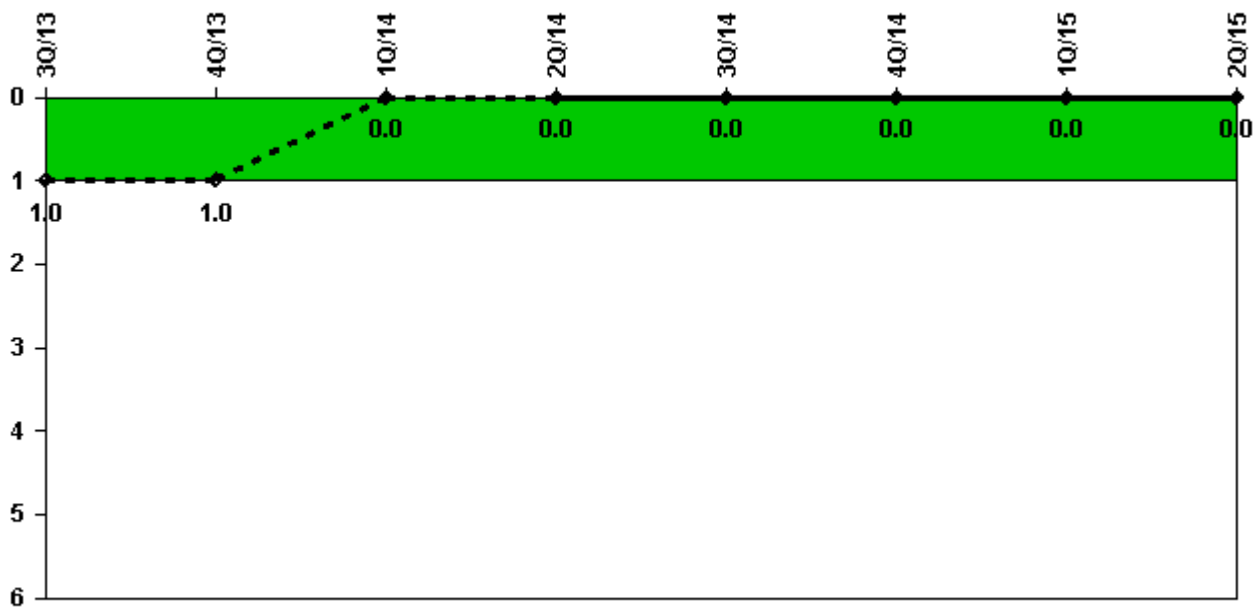
Thresholds: White > 6.0

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	0	1.0	1.0	0	0	0	0
Critical hours	2167.6	2209.0	2159.0	2184.0	2208.0	1978.2	1607.7	1642.2
Indicator value	0	0	0.9	1.6	1.6	1.6	0.9	0

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

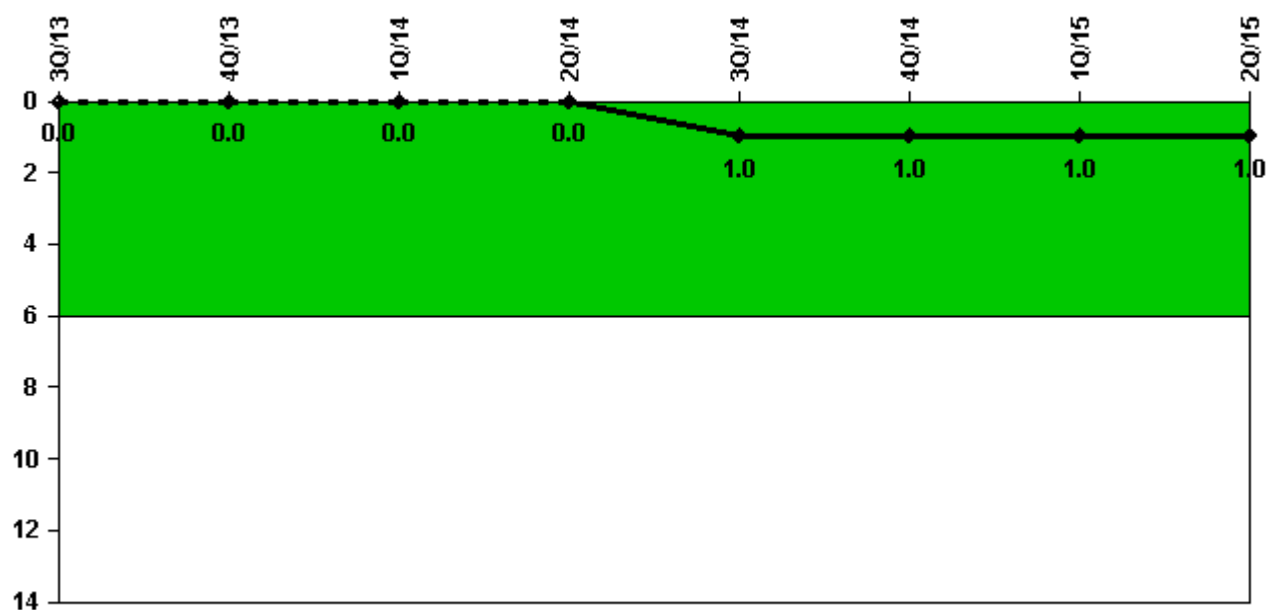
Notes

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	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

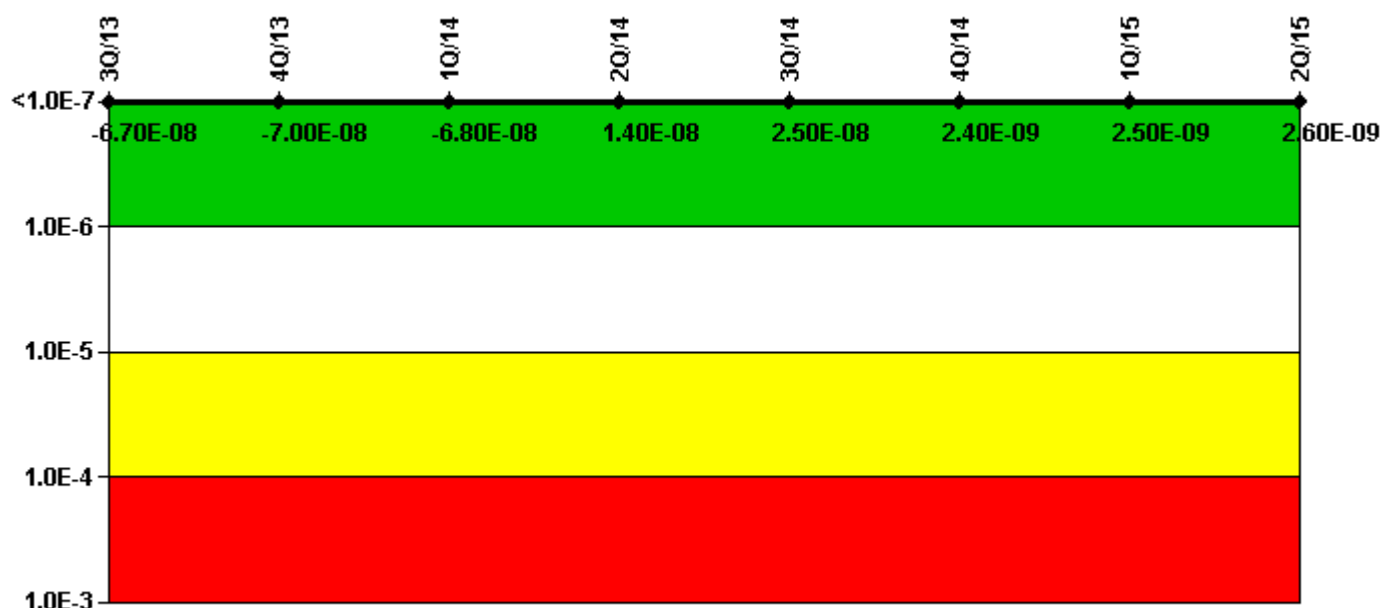
Notes

Safety System Functional Failures (BWR)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
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/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

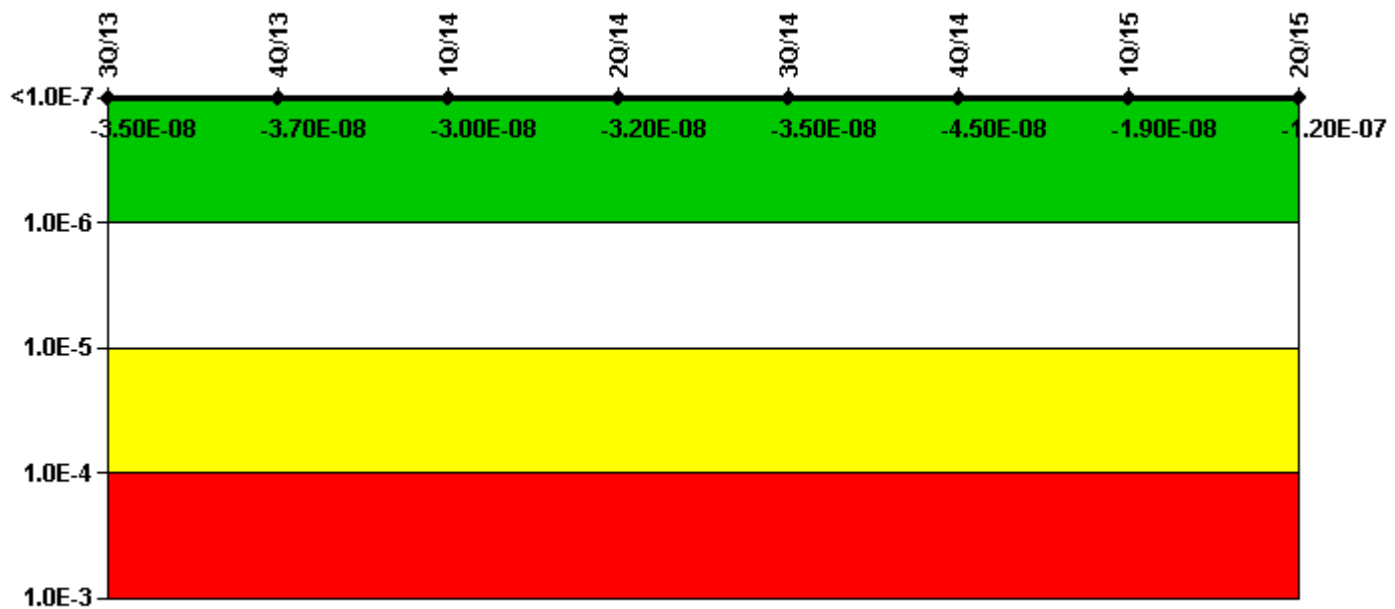
Mitigating Systems Performance Index, Emergency AC Power System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	1.60E-08	1.28E-08	1.53E-08	1.51E-08	1.89E-08	-3.76E-09	-3.66E-09	-3.58E-09
URI (Δ CDF)	-8.30E-08	-8.30E-08	-8.30E-08	-1.51E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.70E-08	-7.00E-08	-6.80E-08	1.40E-08	2.50E-08	2.40E-09	2.50E-09	2.60E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

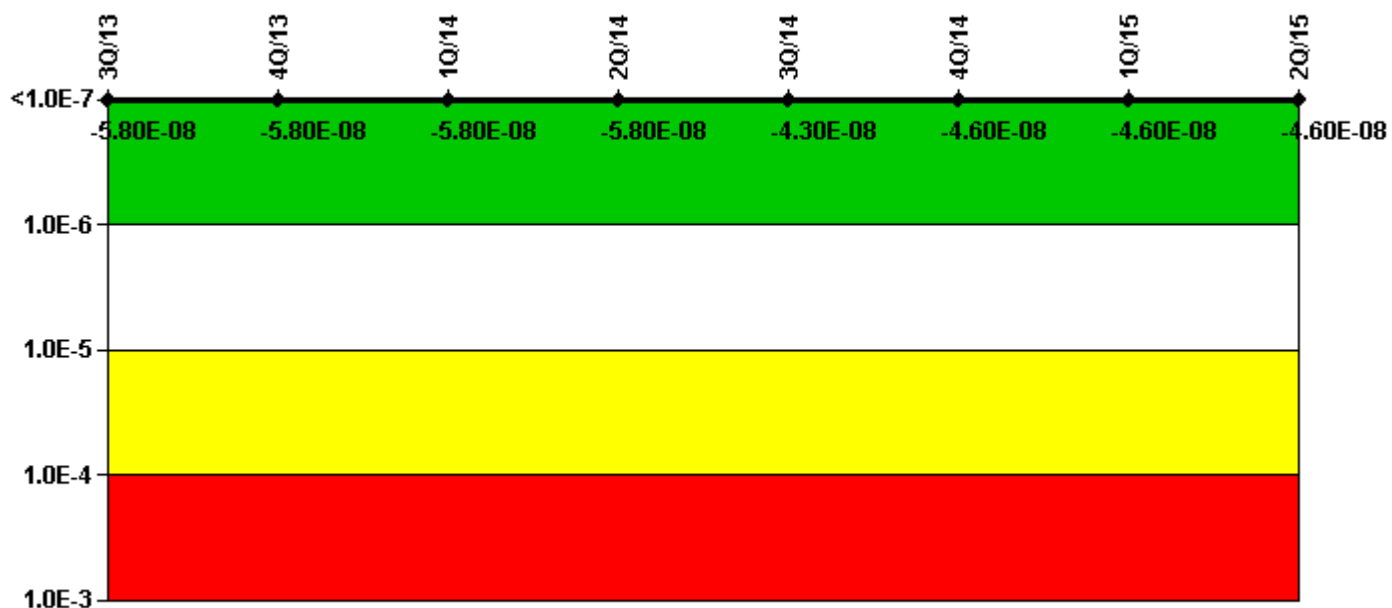
Mitigating Systems Performance Index, High Pressure Injection System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	2.43E-08	2.29E-08	2.91E-08	2.71E-08	1.00E-07	9.17E-08	1.18E-07	2.07E-08
URI (Δ CDF)	-5.96E-08	-5.96E-08	-5.96E-08	-5.96E-08	-1.35E-07	-1.37E-07	-1.37E-07	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.50E-08	-3.70E-08	-3.00E-08	-3.20E-08	-3.50E-08	-4.50E-08	-1.90E-08	-1.20E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	-1.35E-08	-1.35E-08	-1.35E-08	-1.37E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08
URI (Δ CDF)	-4.40E-08	-4.40E-08	-4.40E-08	-4.41E-08	-3.23E-08	-3.51E-08	-3.51E-08	-3.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-4.30E-08	-4.60E-08	-4.60E-08	-4.60E-08

Licensee Comments:

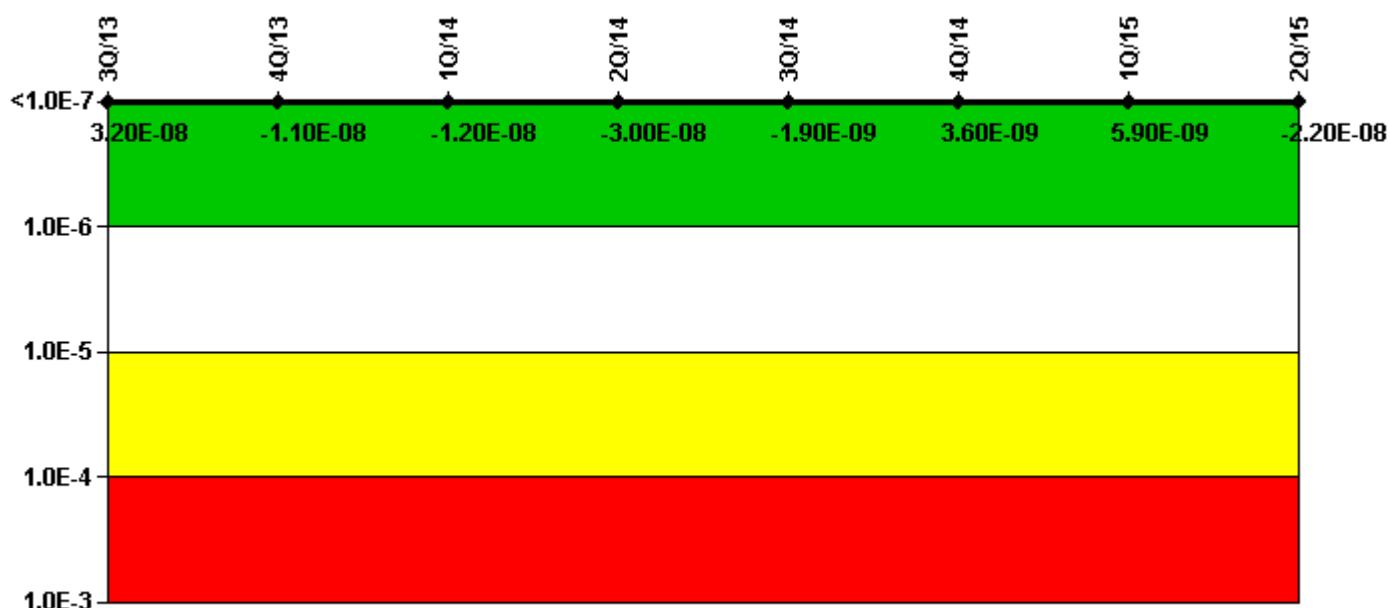
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/14: Changed PRA Parameter(s).

1Q/14: 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

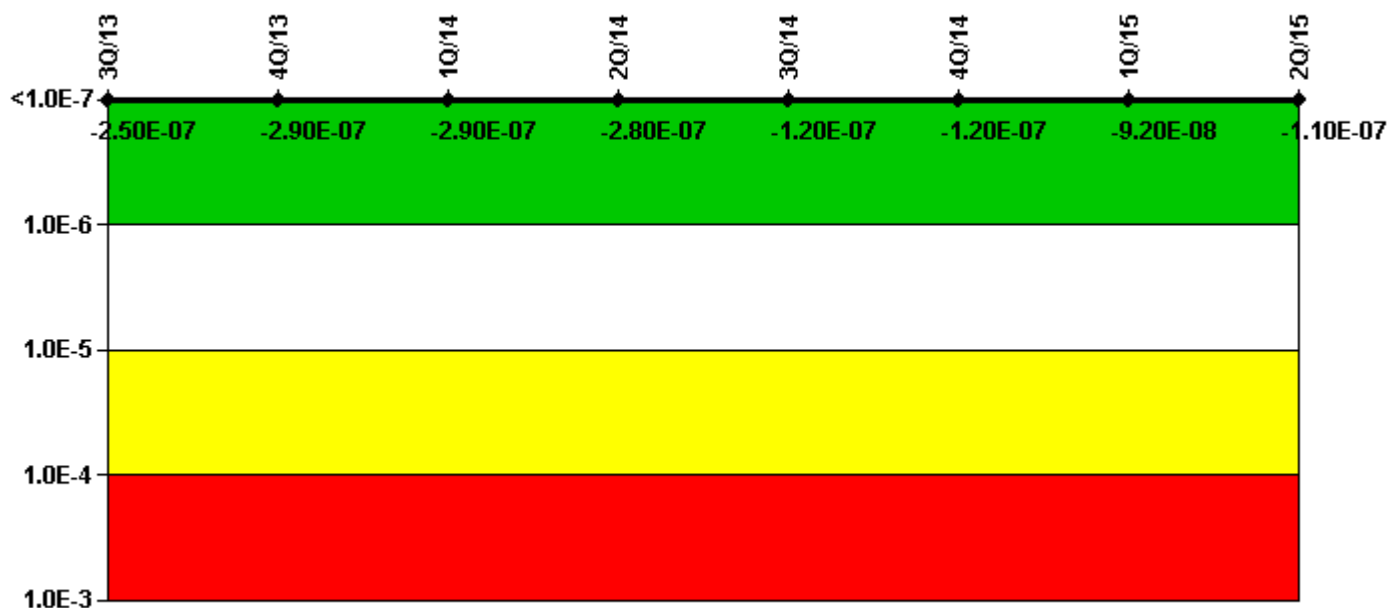
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	1.10E-07	6.70E-08	6.58E-08	4.80E-08	1.88E-08	2.42E-08	2.66E-08	-1.30E-09
URI (Δ CDF)	-7.80E-08	-7.80E-08	-7.80E-08	-7.80E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.20E-08	-1.10E-08	-1.20E-08	-3.00E-08	-1.90E-09	3.60E-09	5.90E-09	-2.20E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

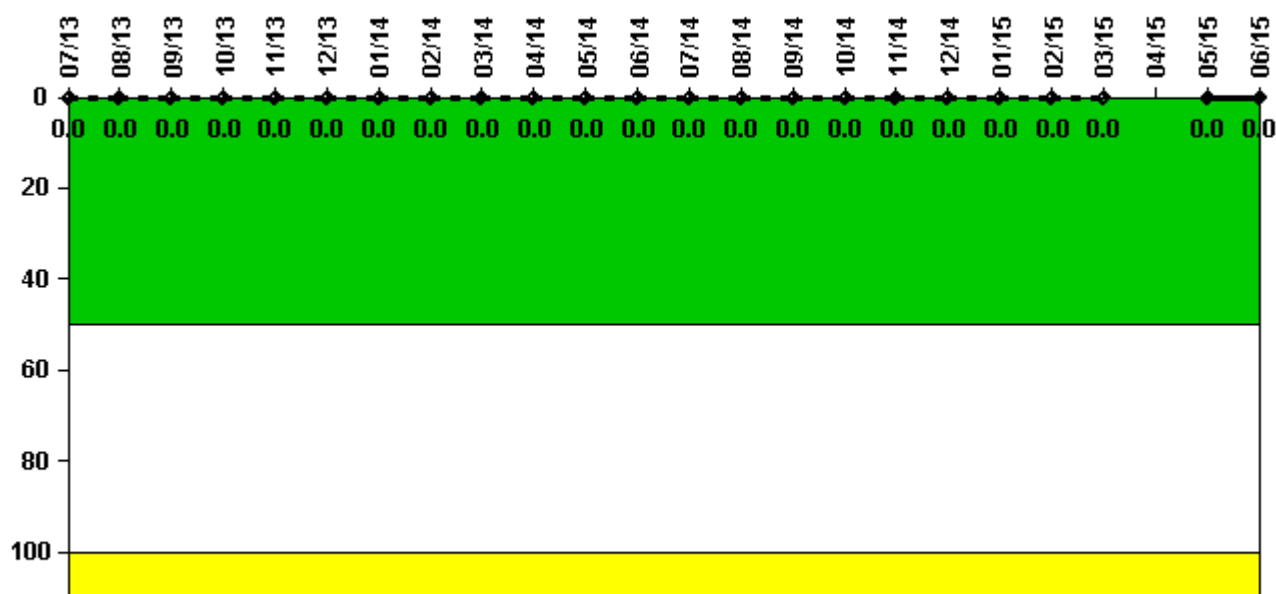
Mitigating Systems Performance Index, Cooling Water Systems	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	-2.23E-08	-6.58E-08	-6.58E-08	-5.01E-08	-3.24E-08	-3.30E-08	-5.14E-09	-2.00E-08
URI (Δ CDF)	-2.26E-07	-2.26E-07	-2.26E-07	-2.26E-07	-8.57E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-07	-2.90E-07	-2.90E-07	-2.80E-07	-1.20E-07	-1.20E-07	-9.20E-08	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

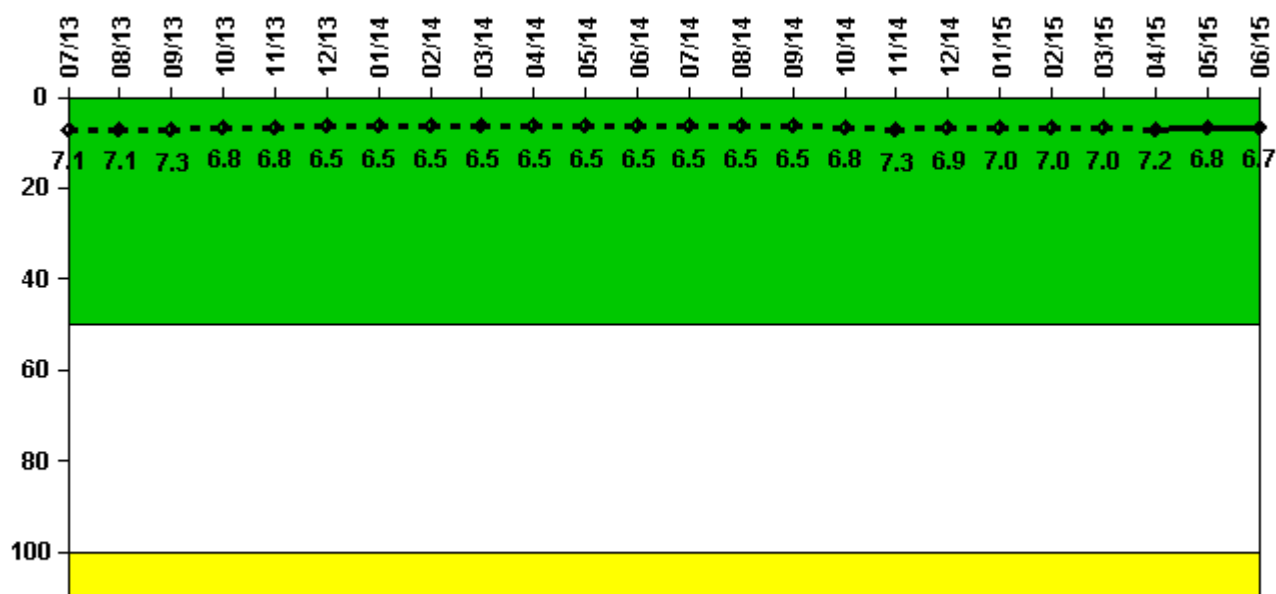
Notes

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	0.000016	0.000016	0.000015	0.000017	0.000017	0.000025	0.000018	0.000019	0.000020	0.000017	0.000019	0.000033
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000025	0.000023	0.000023	0.000044	0.000020	0.000026	0.000022	0.000020	0.000019	N/A	0.000023	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	N/A	0	0

Licensee Comments: none

Reactor Coolant System Leakage



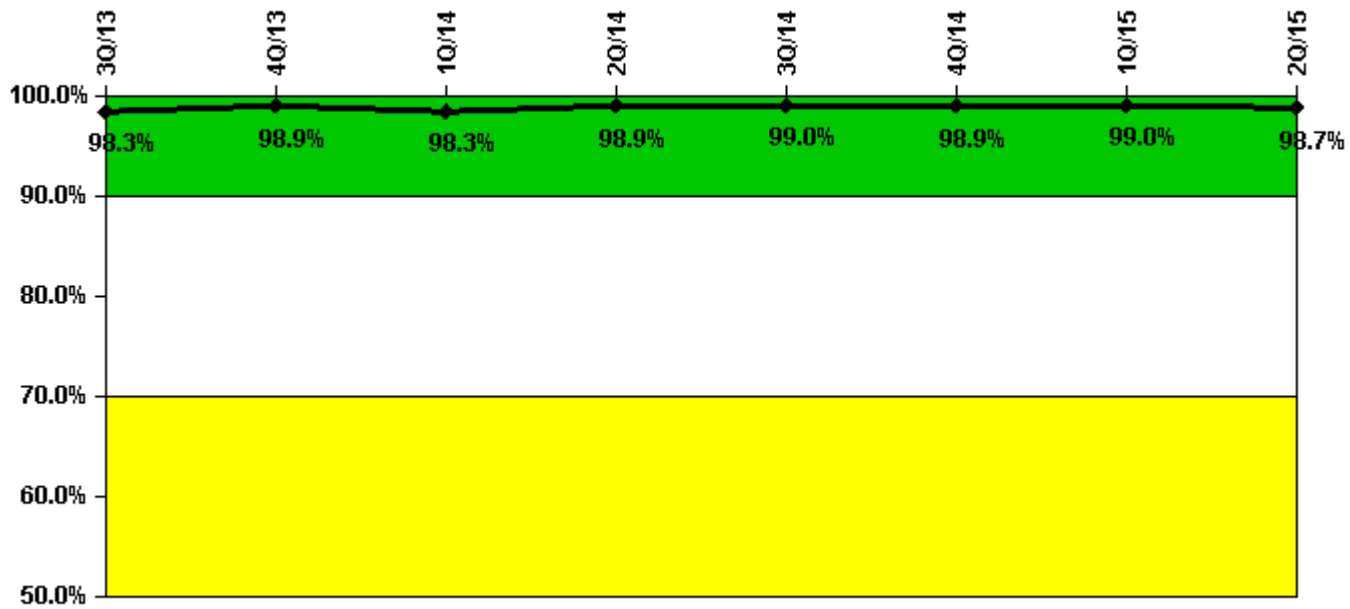
Thresholds: White > 50.0 Yellow > 100.0

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	2.130	2.130	2.200	2.050	2.050	1.950	1.950	1.950	1.950	1.950	1.950	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.1	7.1	7.3	6.8	6.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5
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	1.950	1.950	1.950	2.030	2.200	2.080	2.100	2.100	2.100	2.160	2.050	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.5	6.5	6.5	6.8	7.3	6.9	7.0	7.0	7.0	7.2	6.8	6.7

Licensee Comments:

9/13: On November 19, 2013 it was discovered that an incorrect value had been submitted for Maximum RCS Identified Leakage for July 2013. 2.14 gpm had been entered, the correct value is 2.13 gpm. The change does not affect the PI value.

Drill/Exercise Performance

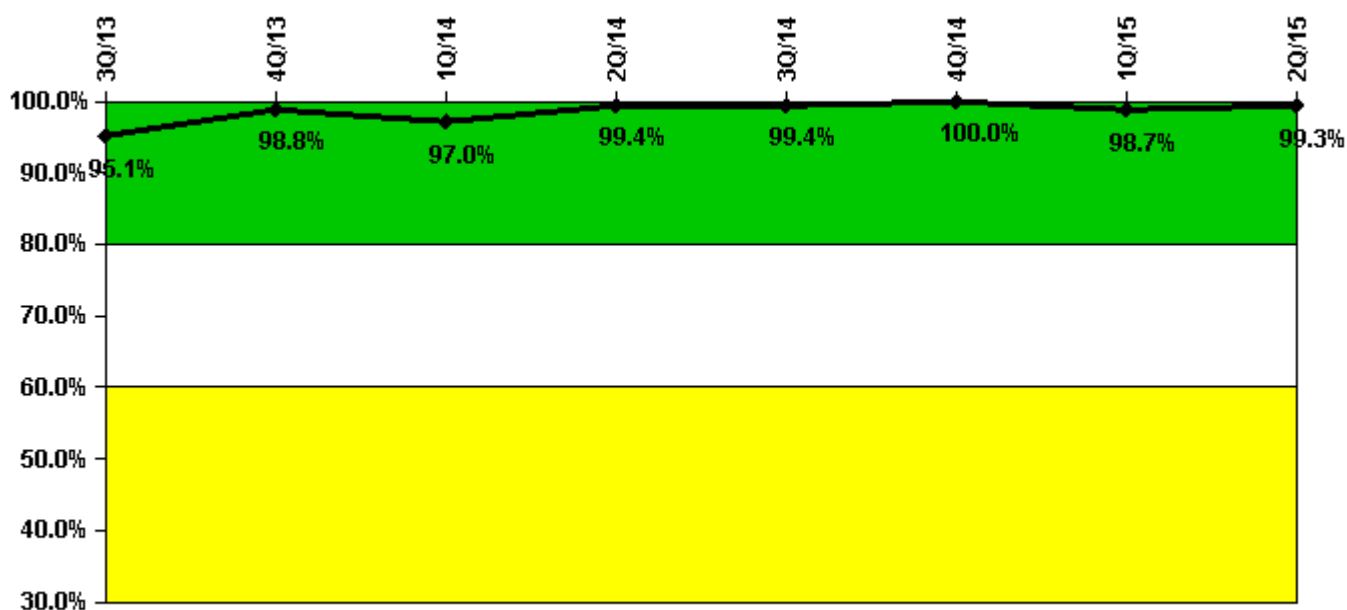
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	28.0	20.0	46.0	36.0	28.0	10.0	22.0	39.0
Total opportunities	28.0	20.0	47.0	36.0	29.0	10.0	22.0	40.0
Indicator value	98.3%	98.9%	98.3%	98.9%	99.0%	98.9%	99.0%	98.7%

Licensee Comments: none

ERO Drill Participation



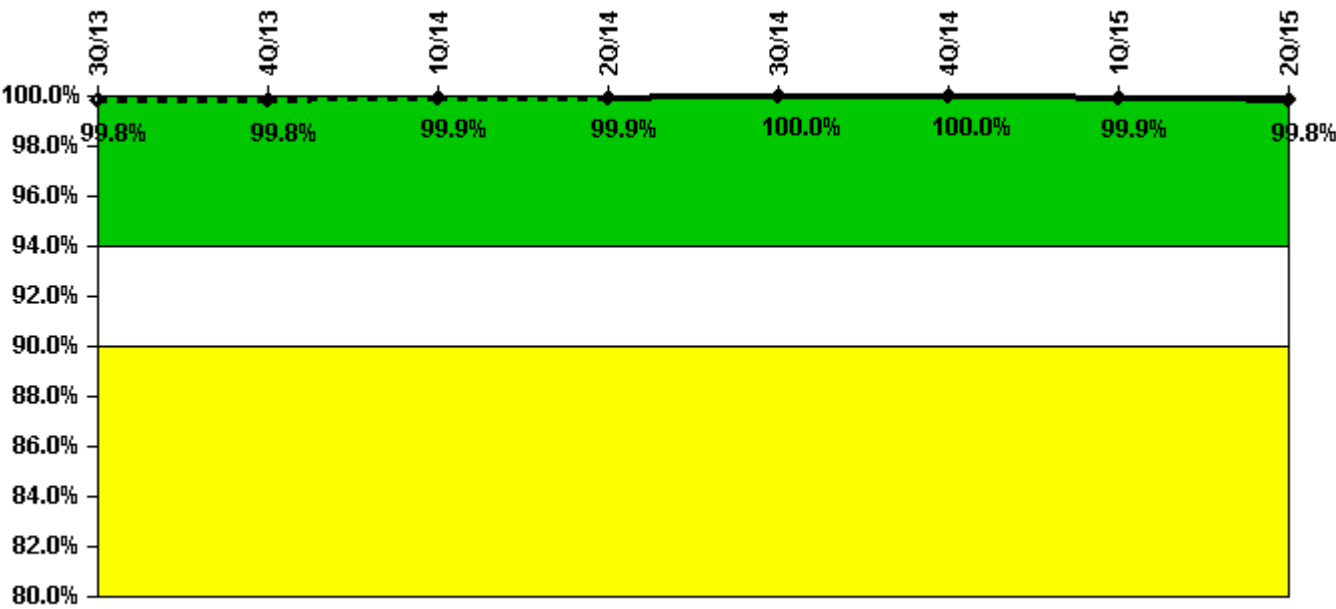
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	155.0	159.0	160.0	159.0	156.0	156.0	153.0	150.0
Total Key personnel	163.0	161.0	165.0	160.0	157.0	156.0	155.0	151.0
Indicator value	95.1%	98.8%	97.0%	99.4%	99.4%	100.0%	98.7%	99.3%

Licensee Comments: none

Alert & Notification System



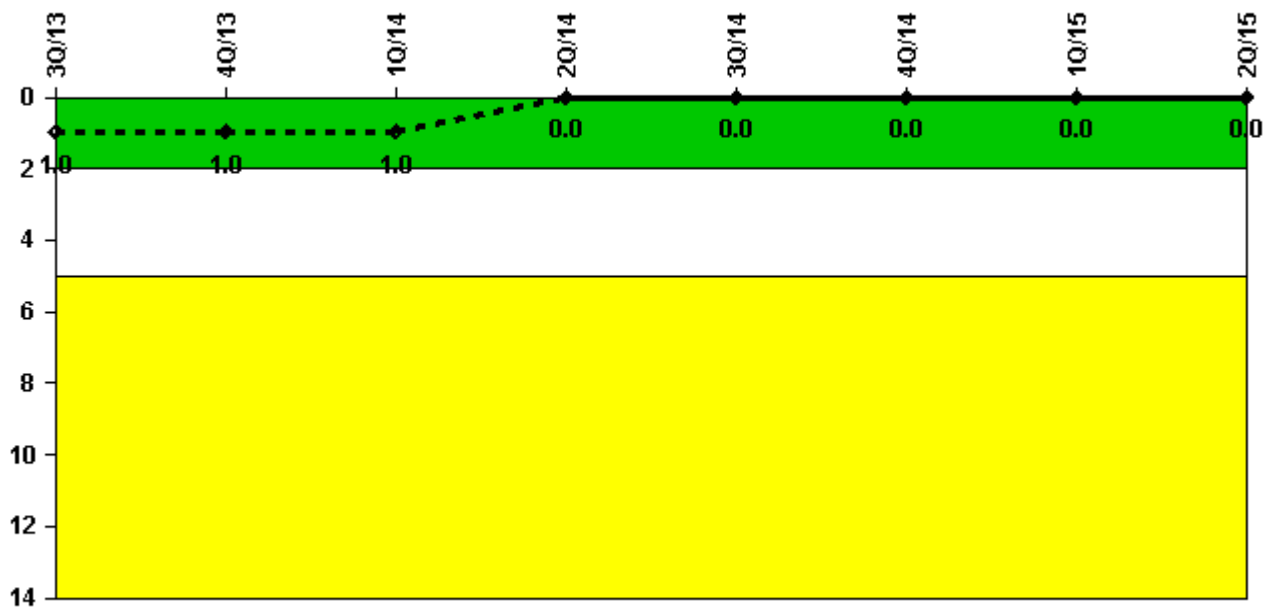
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	593	532	532	532	524	520	454	454
Total sirens-tests	596	532	532	532	524	520	456	456
Indicator value	99.8%	99.8%	99.9%	99.9%	100.0%	100.0%	99.9%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

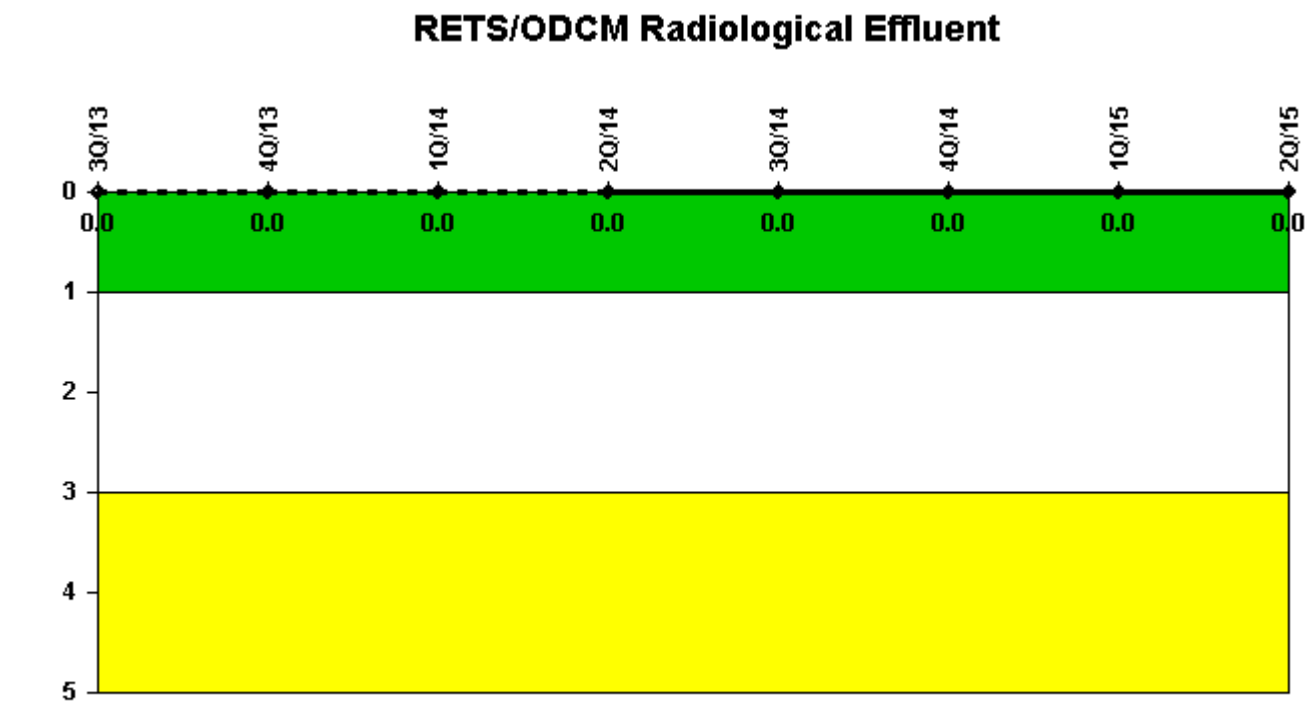


Thresholds: White > 2.0 Yellow > 5.0

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	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



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

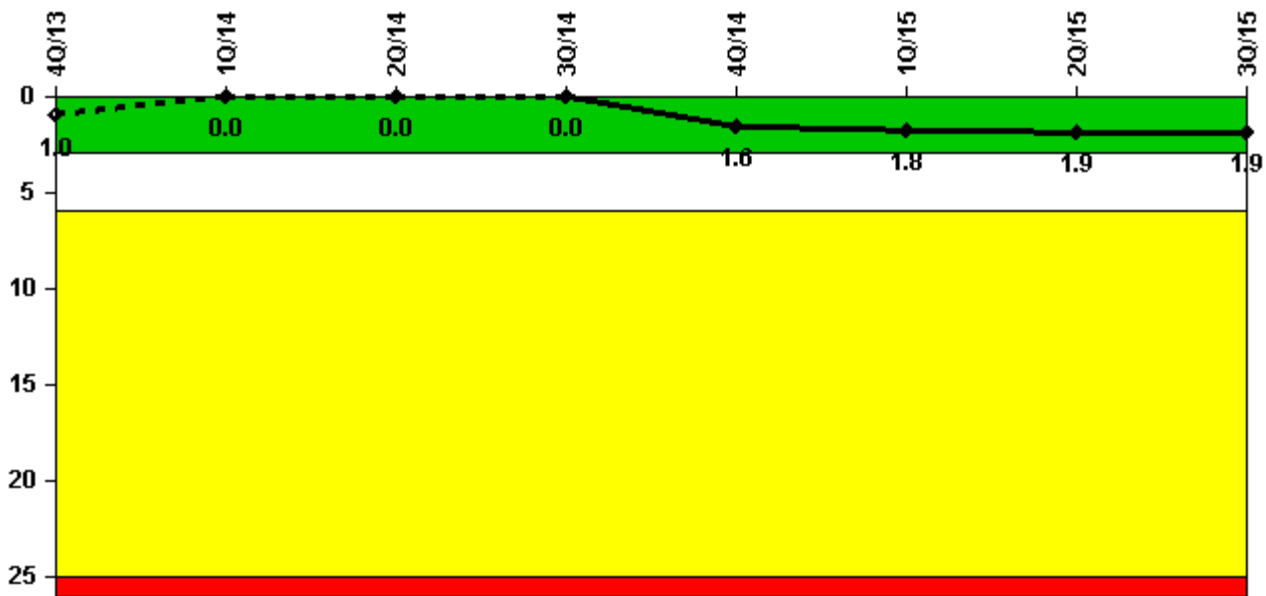
Perry 1

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



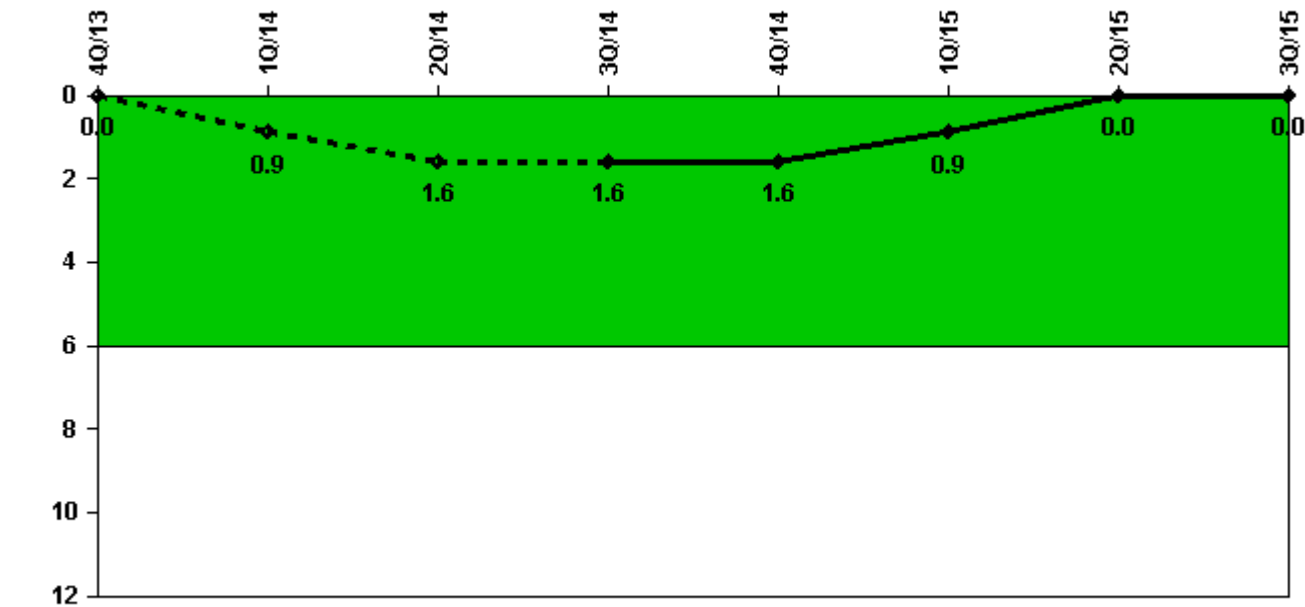
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	2.0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1978.2	1607.7	1642.2	2208.0
Indicator value	1.0	0	0	0	1.6	1.8	1.9	1.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



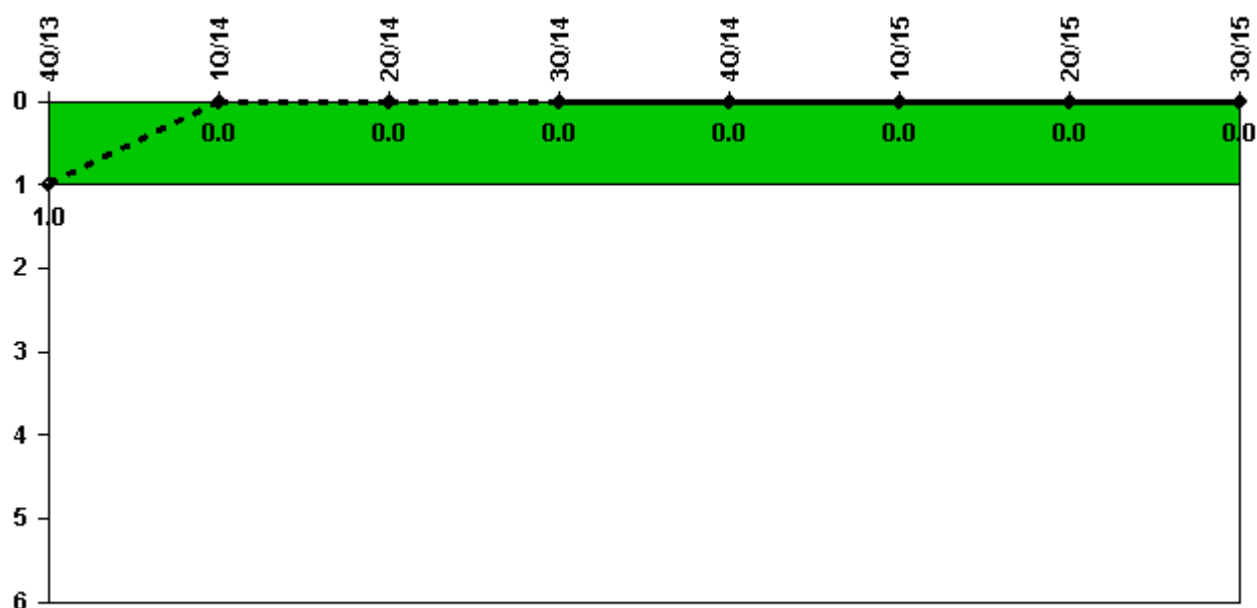
Thresholds: White > 6.0

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	0	1.0	1.0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1978.2	1607.7	1642.2	2208.0
Indicator value	0	0.9	1.6	1.6	1.6	0.9	0	0

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

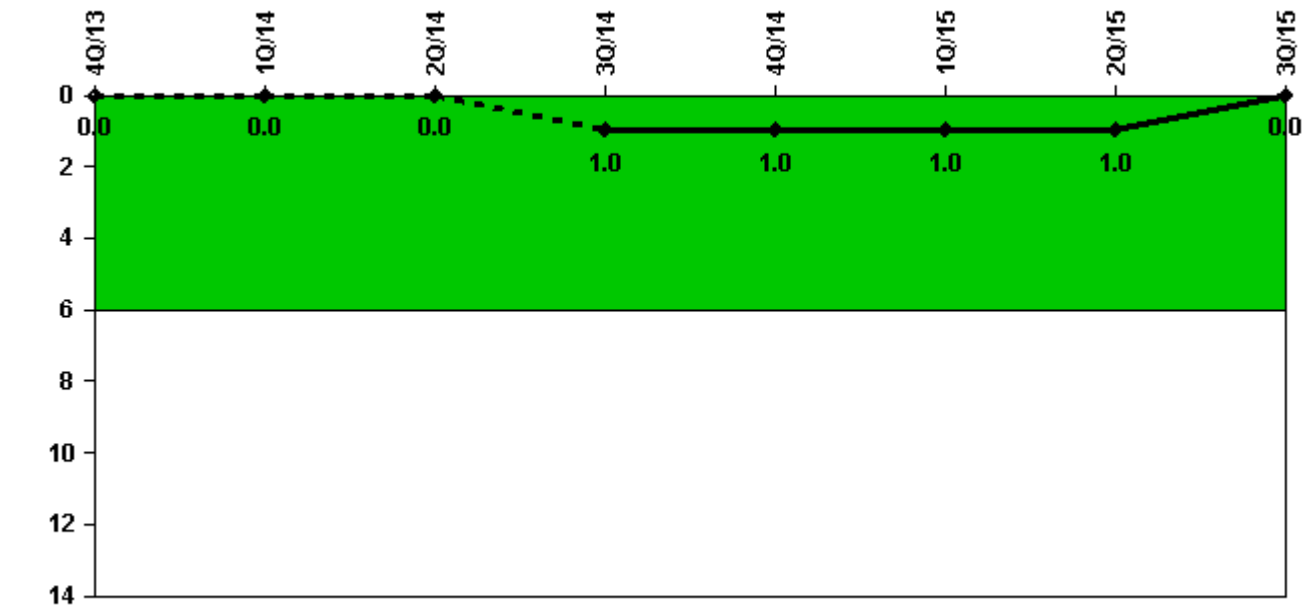
Notes

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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

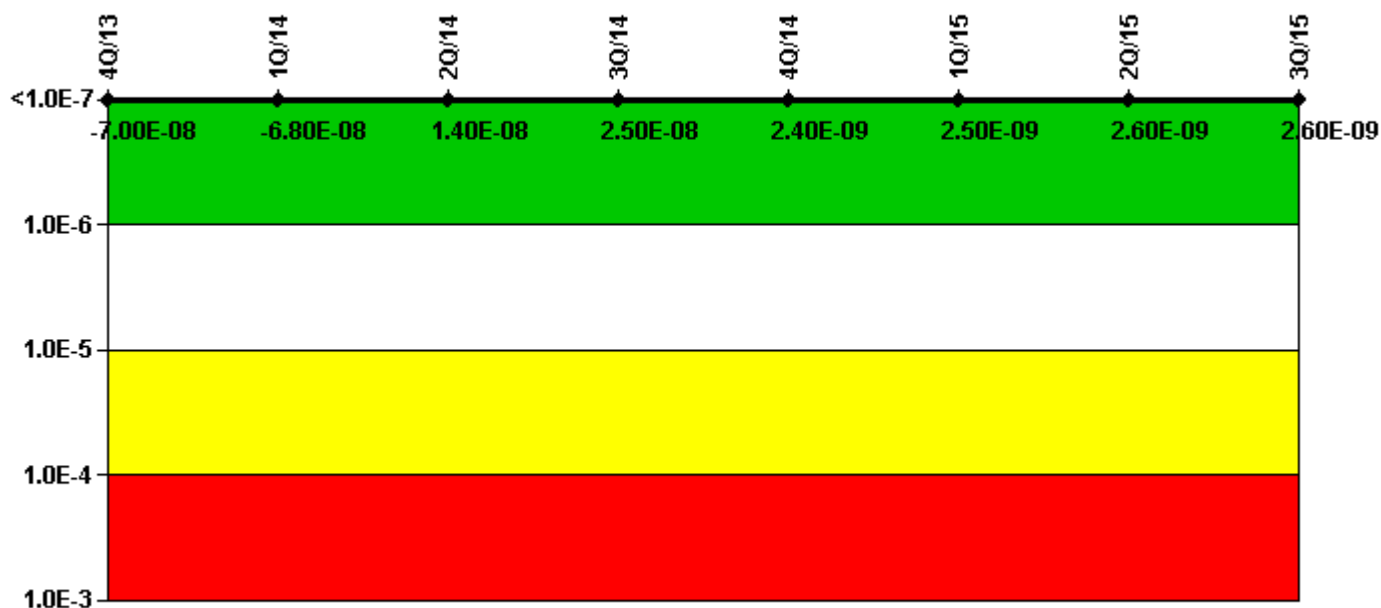
Notes

Safety System Functional Failures (BWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	0	0	0	1	1	1	1	0

Licensee Comments:

3Q/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

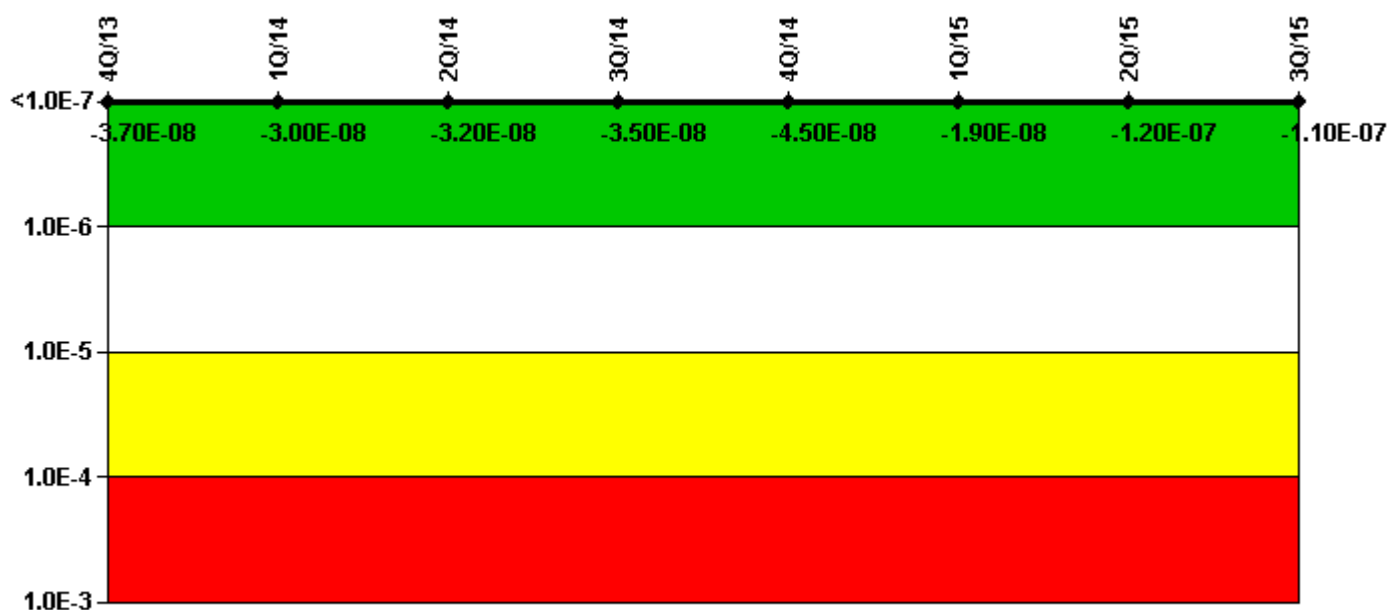
Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	1.28E-08	1.53E-08	1.51E-08	1.89E-08	-3.76E-09	-3.66E-09	-3.58E-09	-3.58E-09
URI (Δ CDF)	-8.30E-08	-8.30E-08	-1.51E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.00E-08	-6.80E-08	1.40E-08	2.50E-08	2.40E-09	2.50E-09	2.60E-09	2.60E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

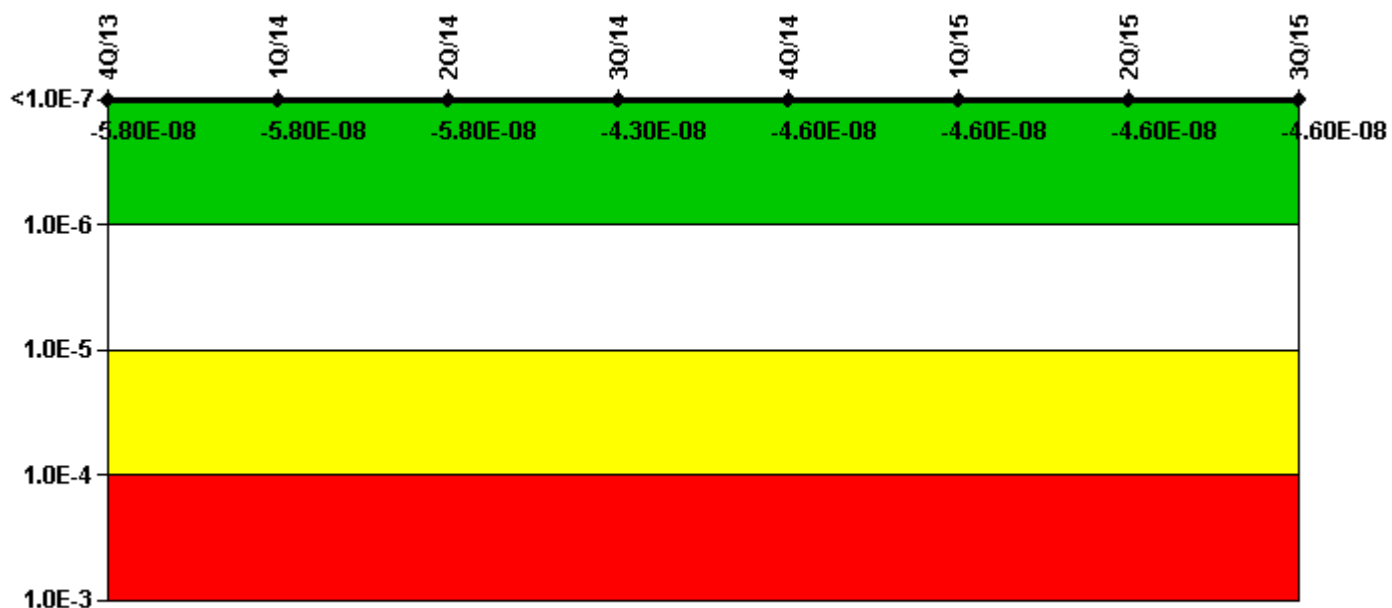
Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	2.29E-08	2.91E-08	2.71E-08	1.00E-07	9.17E-08	1.18E-07	2.07E-08	2.45E-08
URI (Δ CDF)	-5.96E-08	-5.96E-08	-5.96E-08	-1.35E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-08	-3.00E-08	-3.20E-08	-3.50E-08	-4.50E-08	-1.90E-08	-1.20E-07	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	-1.35E-08	-1.35E-08	-1.37E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.04E-08
URI (Δ CDF)	-4.40E-08	-4.40E-08	-4.41E-08	-3.23E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.80E-08	-5.80E-08	-5.80E-08	-4.30E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08

Licensee Comments:

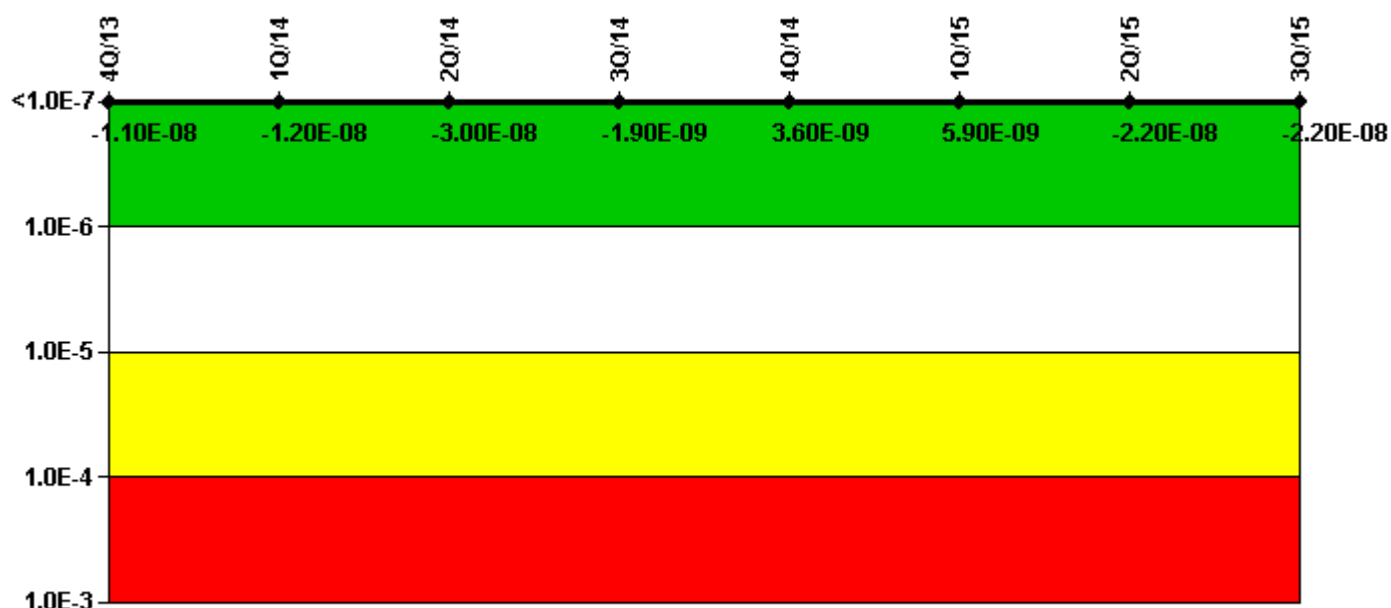
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/14: Changed PRA Parameter(s).

1Q/14: 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

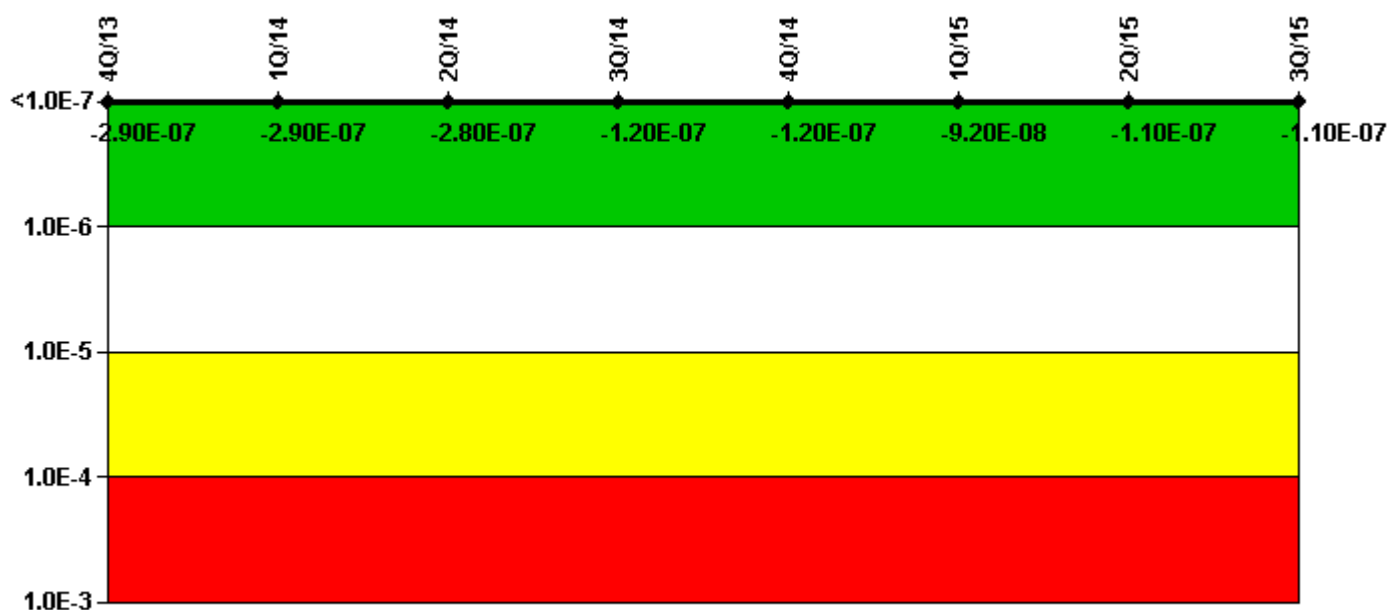
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	6.70E-08	6.58E-08	4.80E-08	1.88E-08	2.42E-08	2.66E-08	-1.30E-09	-1.66E-09
URI (Δ CDF)	-7.80E-08	-7.80E-08	-7.80E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-08	-1.20E-08	-3.00E-08	-1.90E-09	3.60E-09	5.90E-09	-2.20E-08	-2.20E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

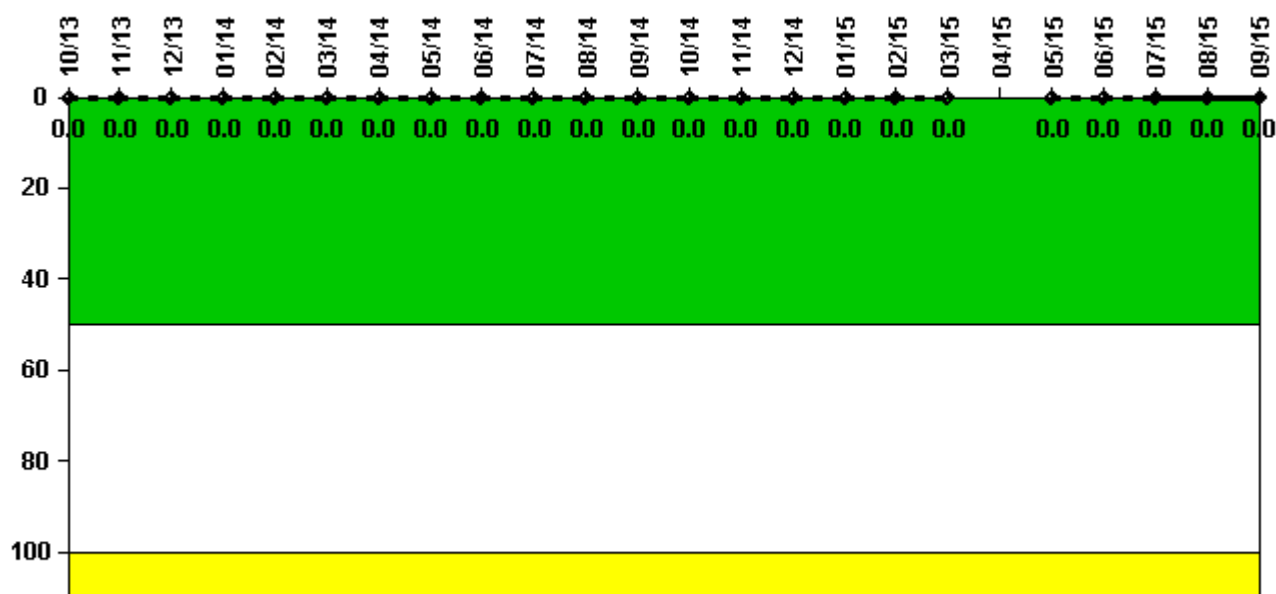
Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-6.58E-08	-6.58E-08	-5.01E-08	-3.24E-08	-3.30E-08	-5.14E-09	-2.00E-08	-2.00E-08
URI (Δ CDF)	-2.26E-07	-2.26E-07	-2.26E-07	-8.57E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-07	-2.90E-07	-2.80E-07	-1.20E-07	-1.20E-07	-9.20E-08	-1.10E-07	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

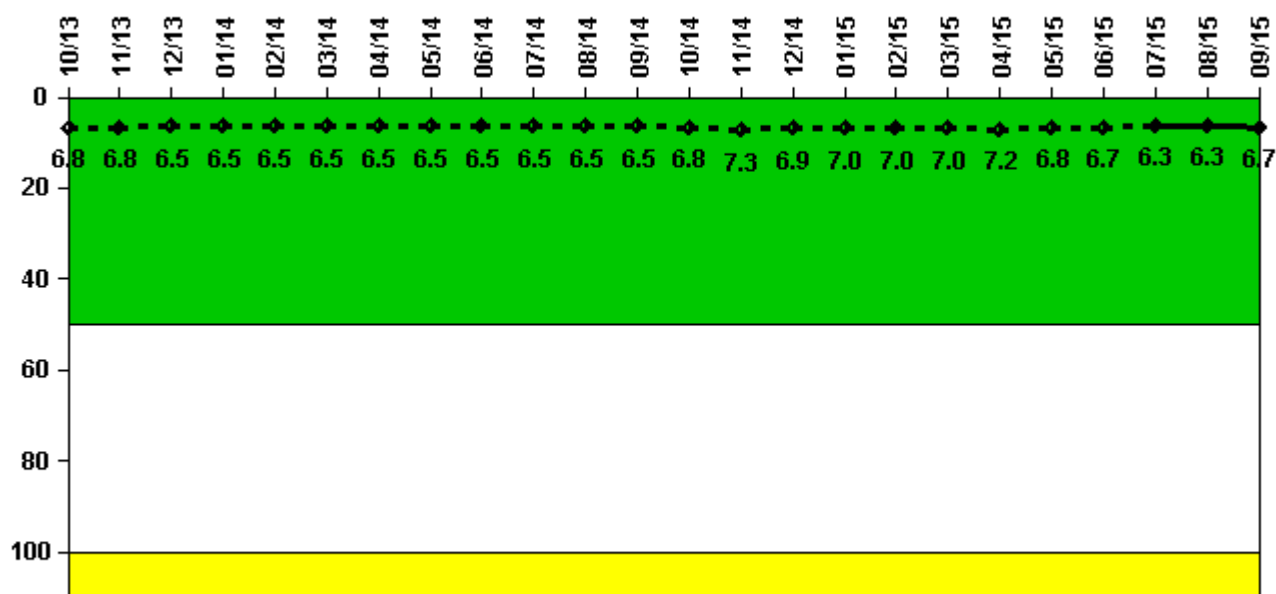
Notes

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	0.000017	0.000017	0.000025	0.000018	0.000019	0.000020	0.000017	0.000019	0.000033	0.000025	0.000023	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	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	0.000044	0.000020	0.000026	0.000022	0.000020	0.000019	N/A	0.000023	0.000010	0.000012	0.000017	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	N/A	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



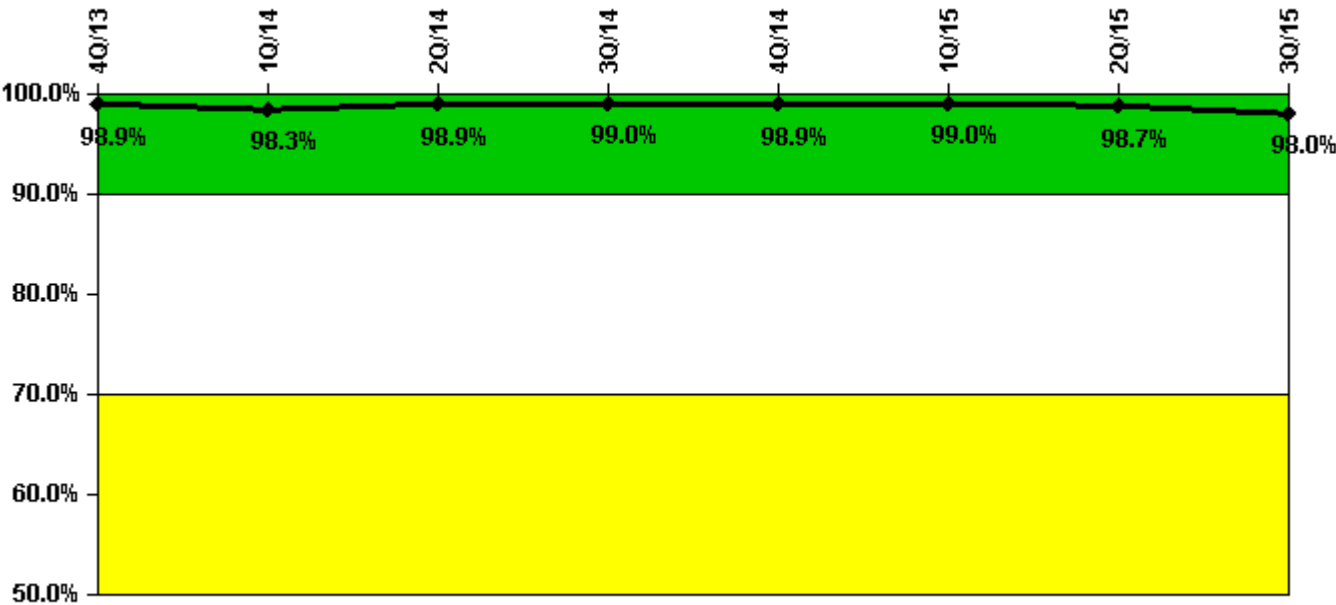
Thresholds: White > 50.0 Yellow > 100.0

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	2.050	2.050	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.8	6.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
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	2.030	2.200	2.080	2.100	2.100	2.100	2.160	2.050	2.000	1.900	1.900	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.8	7.3	6.9	7.0	7.0	7.0	7.2	6.8	6.7	6.3	6.3	6.7

Licensee Comments: none

Drill/Exercise Performance



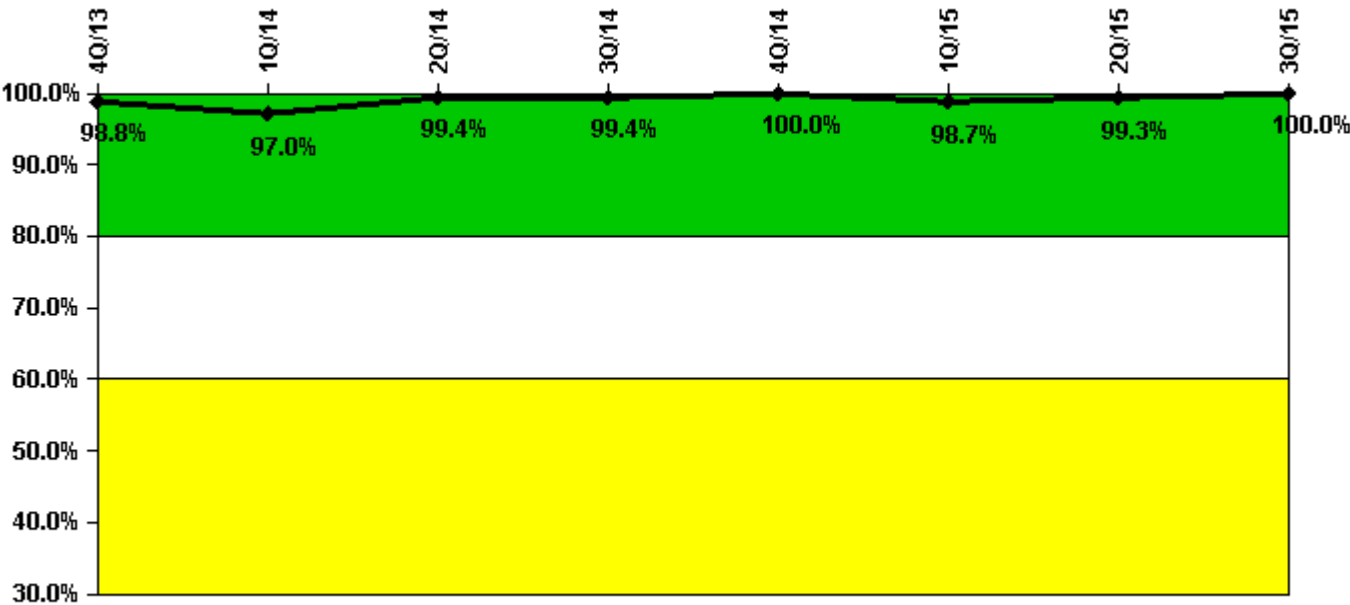
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	20.0	46.0	36.0	28.0	10.0	22.0	39.0	48.0
Total opportunities	20.0	47.0	36.0	29.0	10.0	22.0	40.0	50.0
Indicator value	98.9%	98.3%	98.9%	99.0%	98.9%	99.0%	98.7%	98.0%

Licensee Comments: none

ERO Drill Participation



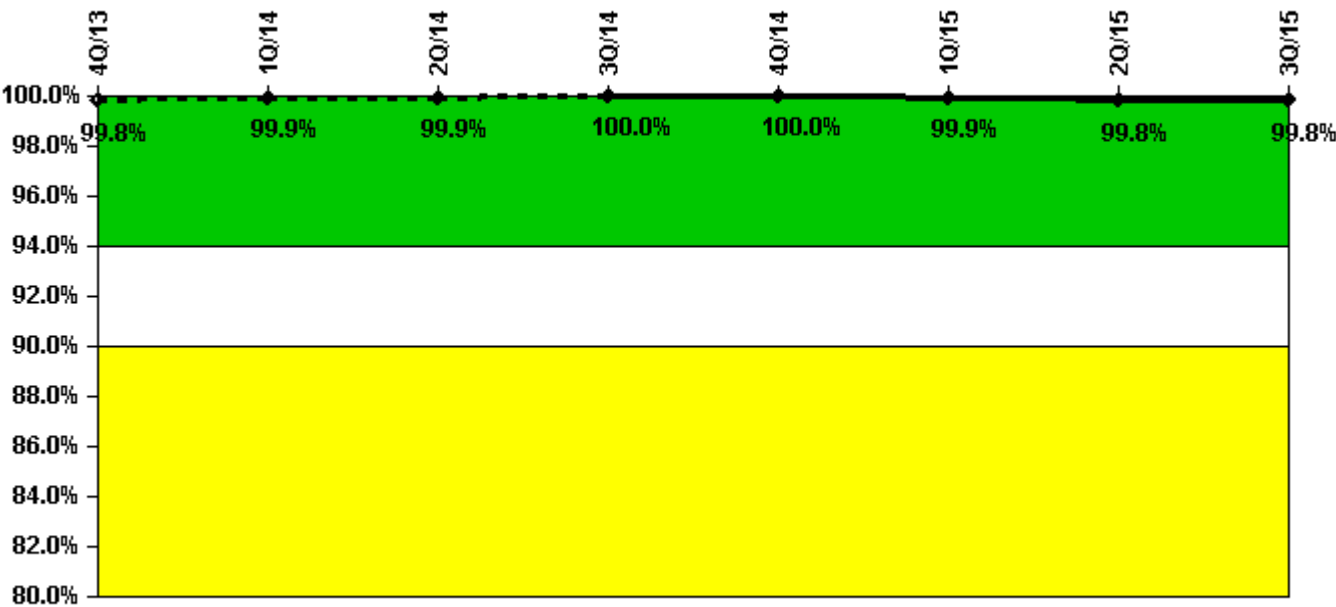
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	159.0	160.0	159.0	156.0	156.0	153.0	150.0	164.0
Total Key personnel	161.0	165.0	160.0	157.0	156.0	155.0	151.0	164.0
Indicator value	98.8%	97.0%	99.4%	99.4%	100.0%	98.7%	99.3%	100.0%

Licensee Comments: none

Alert & Notification System



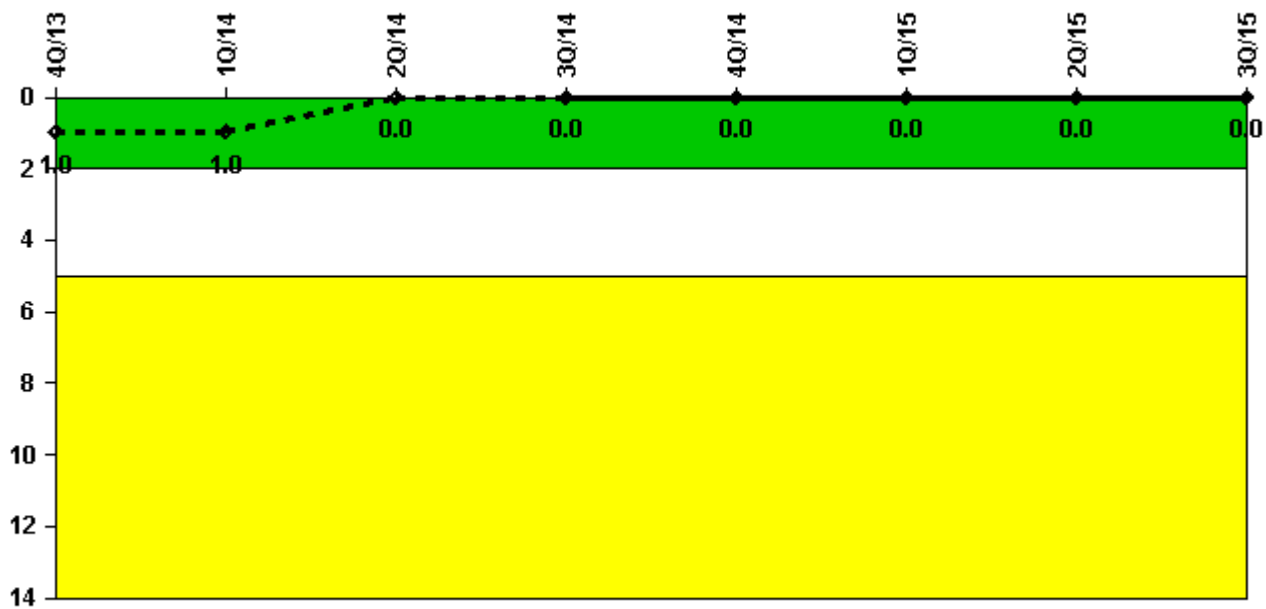
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	532	532	532	524	520	454	454	532
Total sirens-tests	532	532	532	524	520	456	456	532
Indicator value	99.8%	99.9%	99.9%	100.0%	100.0%	99.9%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

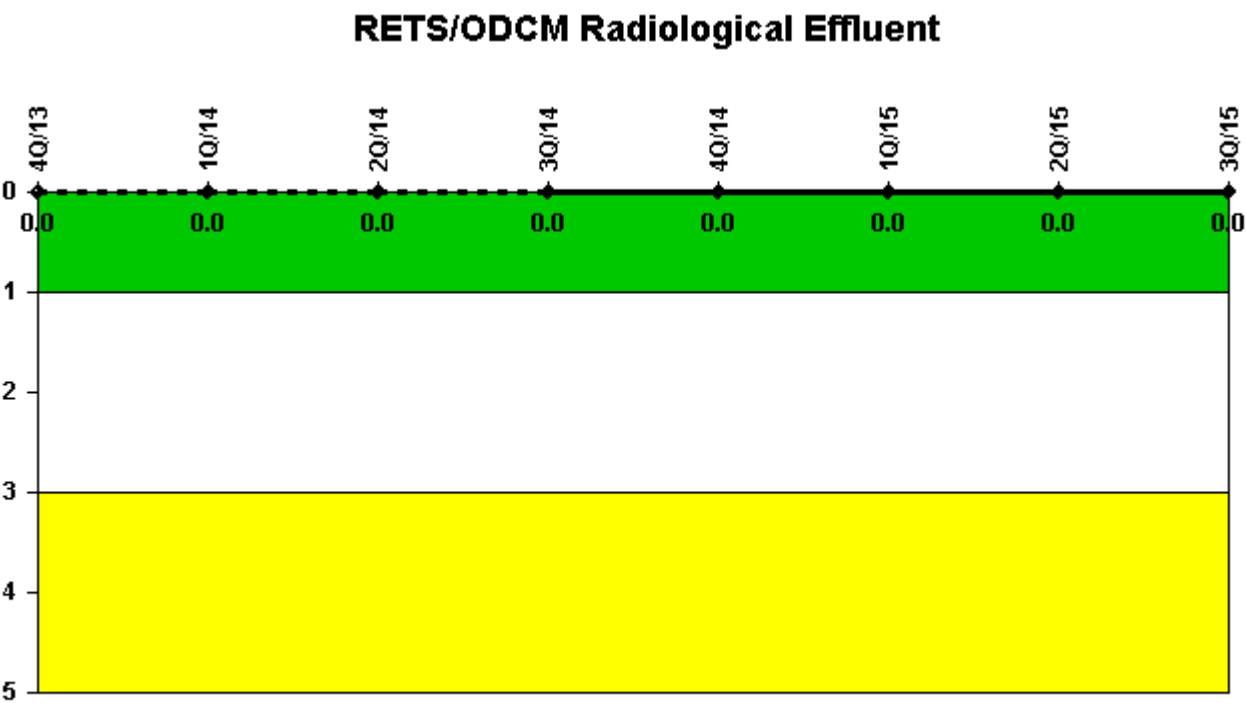


Thresholds: White > 2.0 Yellow > 5.0

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	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



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

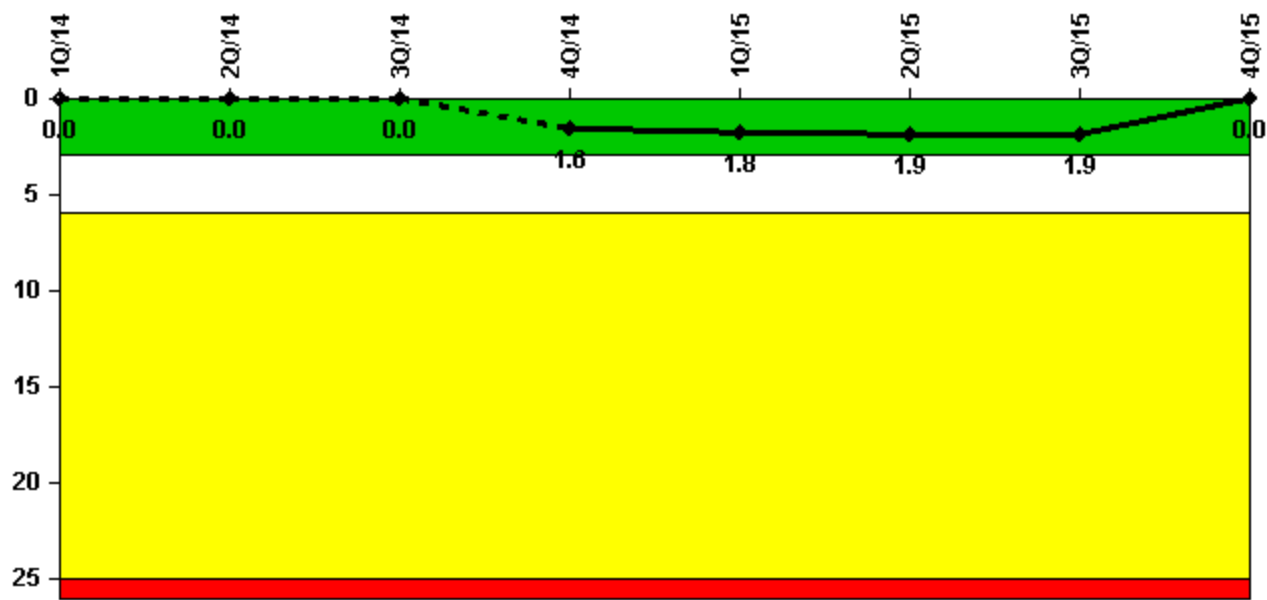
Perry 1

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



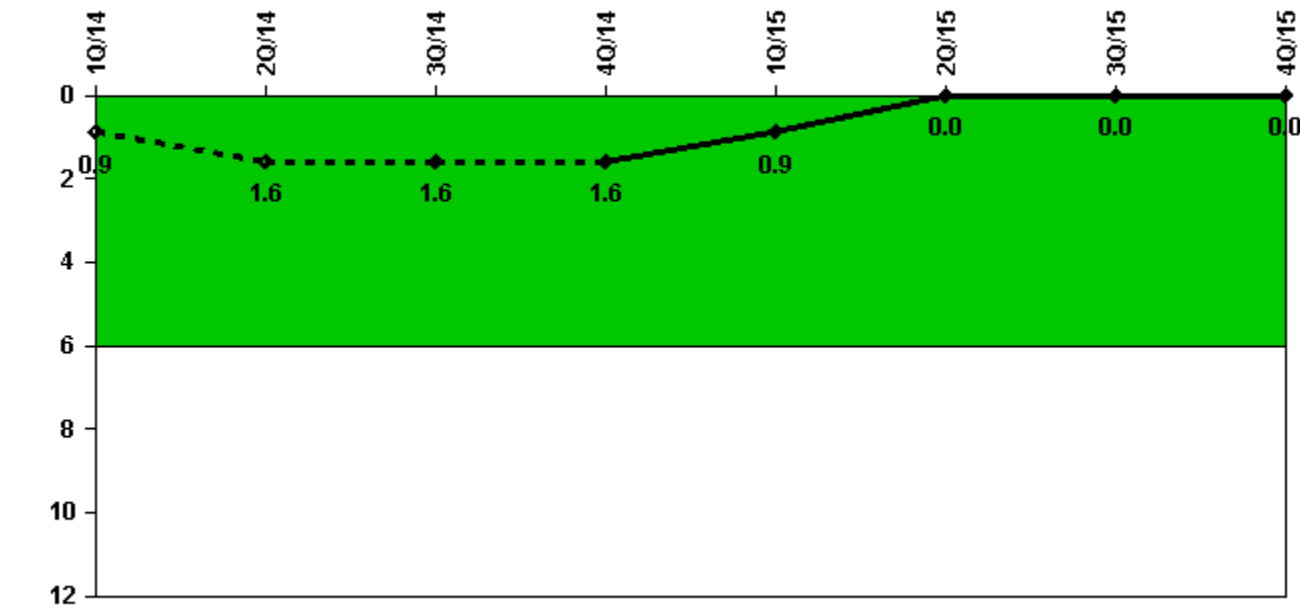
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1978.2	1607.7	1642.2	2208.0	2209.0
Indicator value	0	0	0	1.6	1.8	1.9	1.9	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



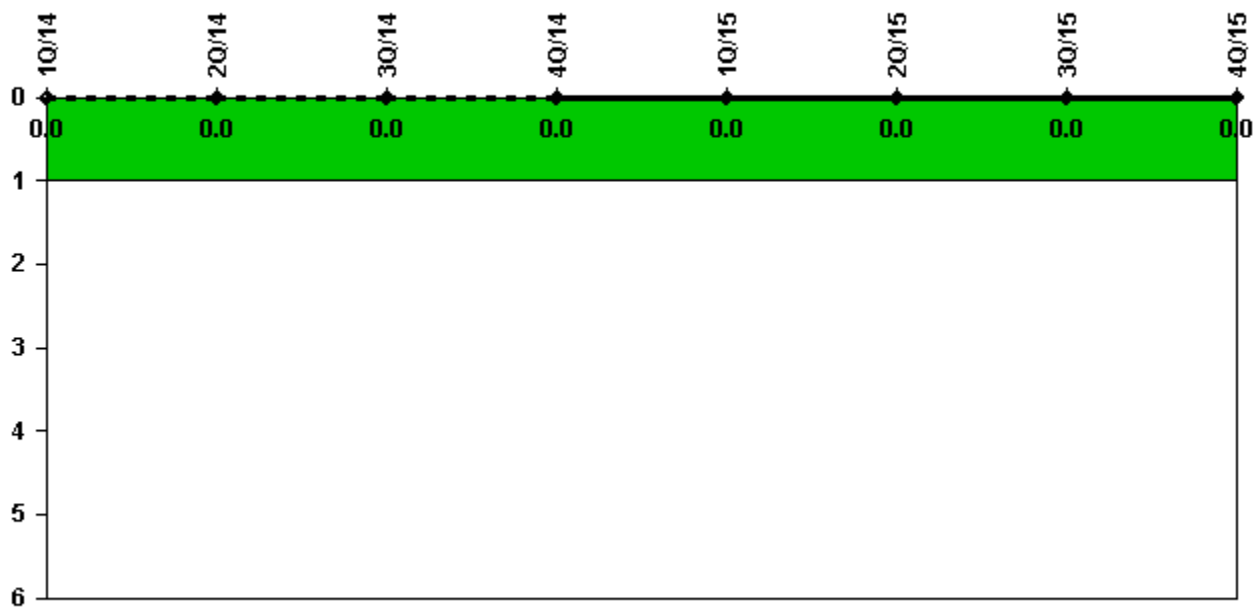
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1978.2	1607.7	1642.2	2208.0	2209.0
Indicator value	0.9	1.6	1.6	1.6	0.9	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

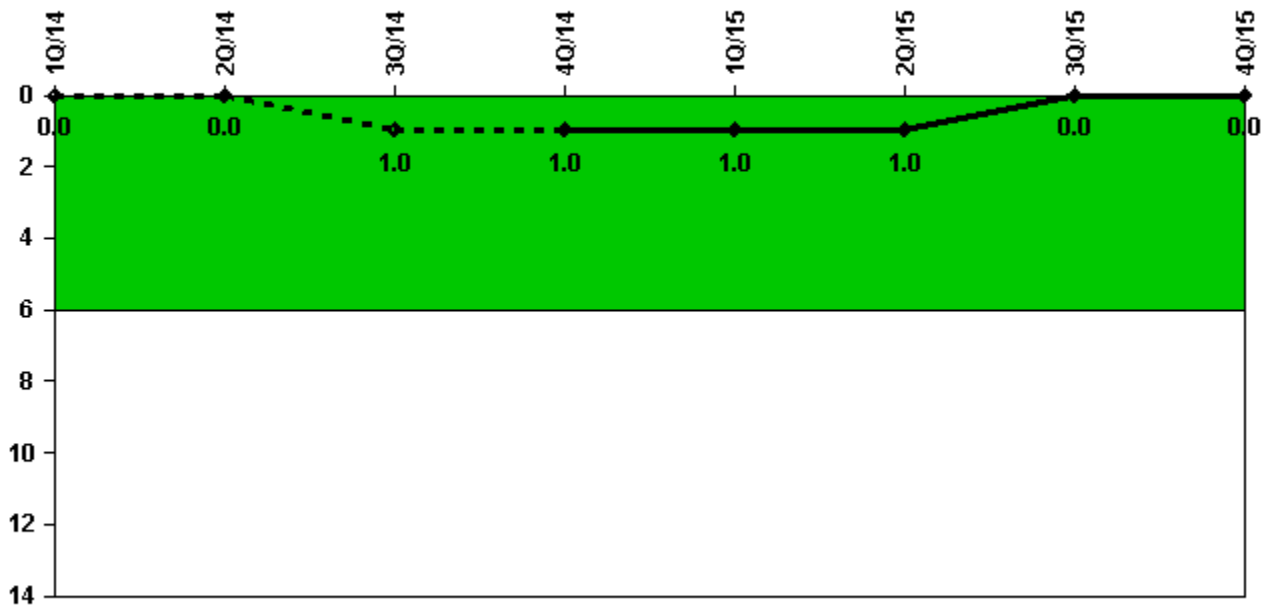
Notes

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:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

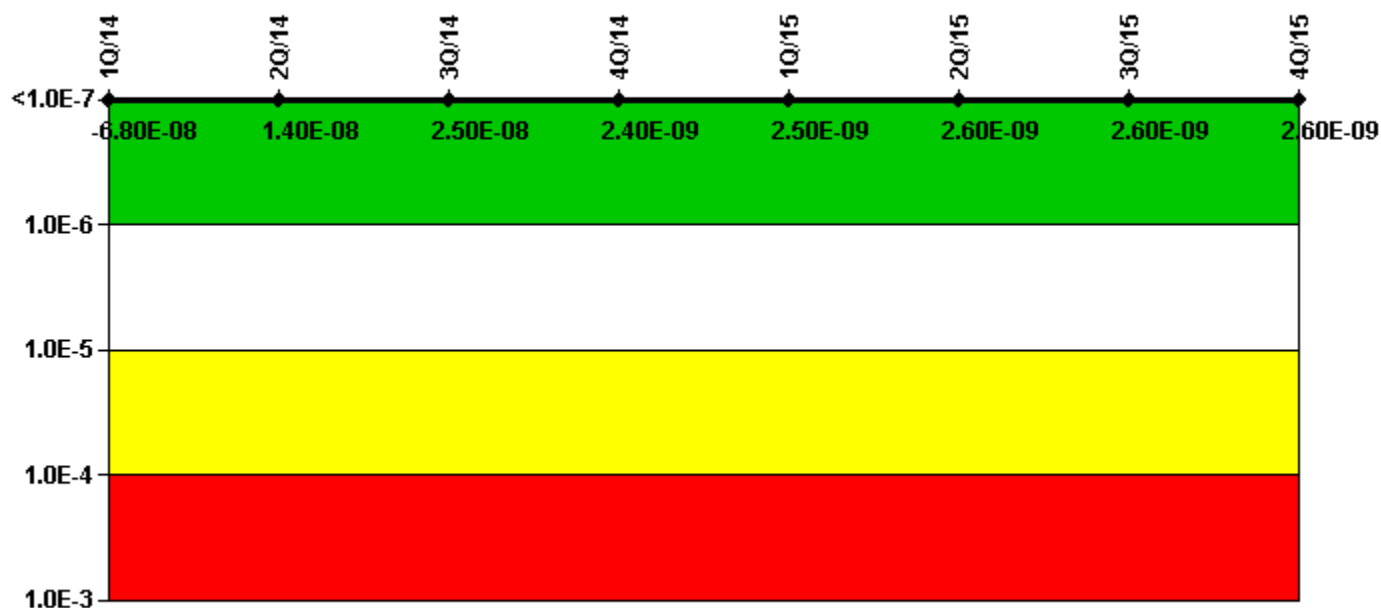
Notes

Safety System Functional Failures (BWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	0	0	1	1	1	1	0	0

Licensee Comments:

3Q/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

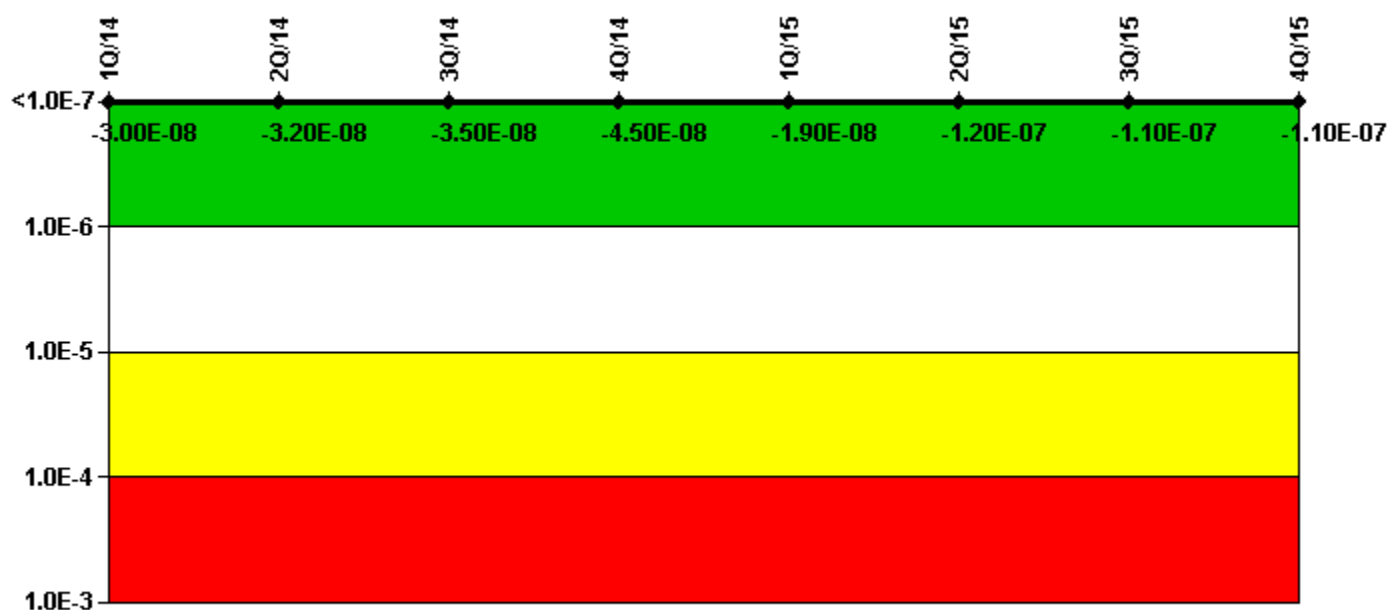
Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	1.53E-08	1.51E-08	1.89E-08	-3.76E-09	-3.66E-09	-3.58E-09	-3.58E-09	-3.58E-09
URI (Δ CDF)	-8.30E-08	-1.51E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.80E-08	1.40E-08	2.50E-08	2.40E-09	2.50E-09	2.60E-09	2.60E-09	2.60E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

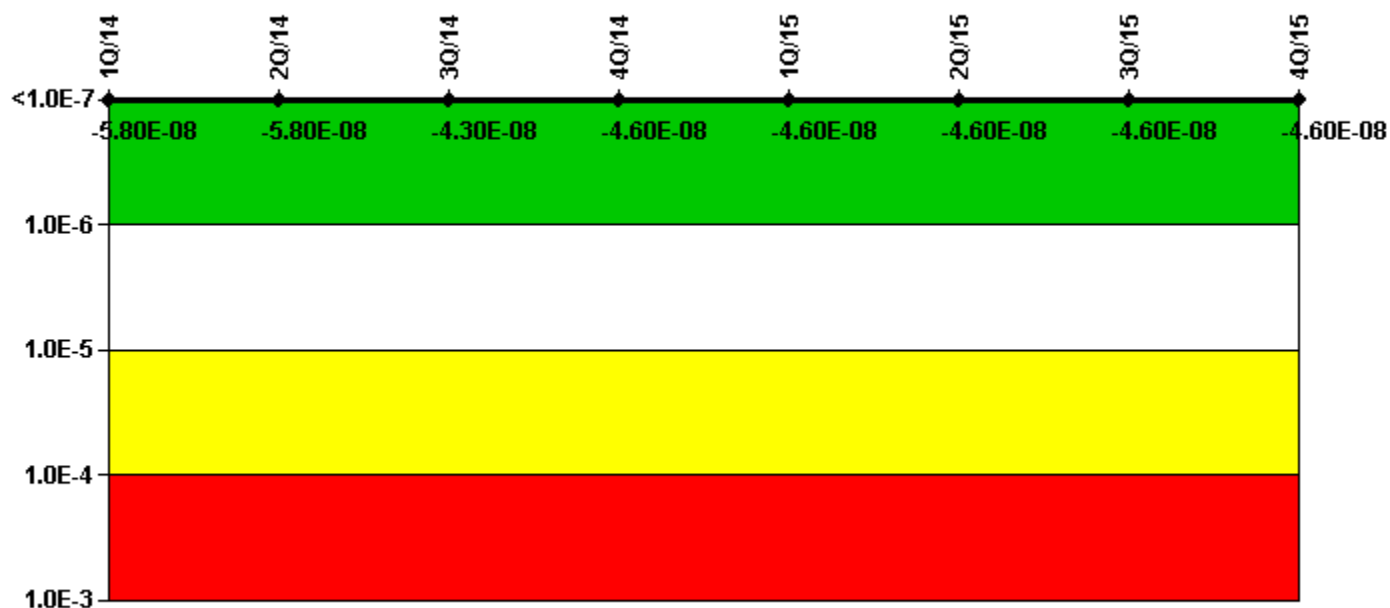
Mitigating Systems Performance Index, High Pressure Injection System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	2.91E-08	2.71E-08	1.00E-07	9.17E-08	1.18E-07	2.07E-08	2.45E-08	2.29E-08
URI (Δ CDF)	-5.96E-08	-5.96E-08	-1.35E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-08	-3.20E-08	-3.50E-08	-4.50E-08	-1.90E-08	-1.20E-07	-1.10E-07	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	-1.35E-08	-1.37E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.04E-08	-1.04E-08
URI (Δ CDF)	-4.40E-08	-4.41E-08	-3.23E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.80E-08	-5.80E-08	-4.30E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08

Licensee Comments:

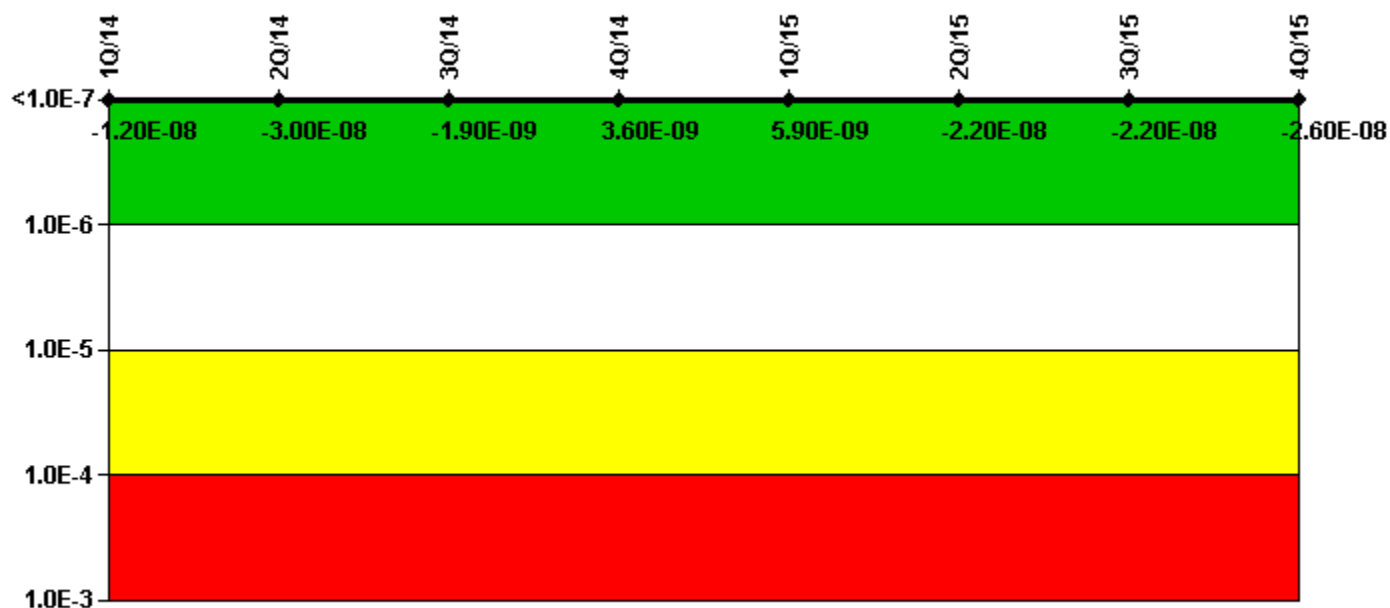
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/14: Changed PRA Parameter(s).

1Q/14: 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

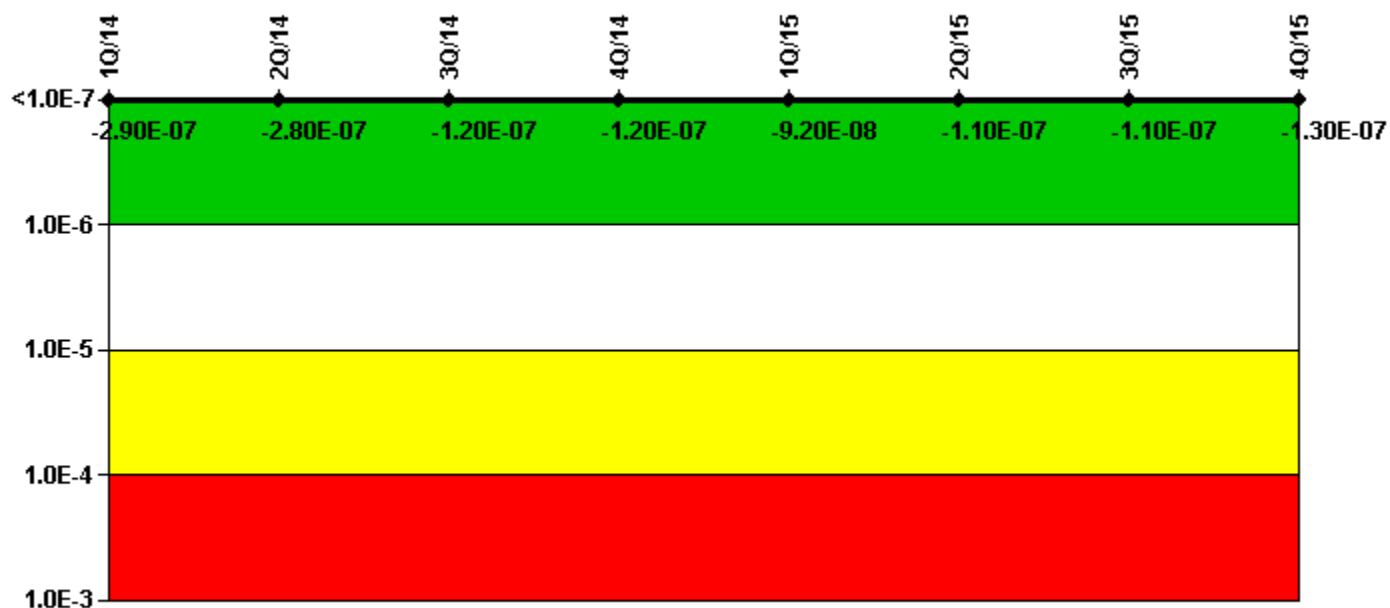
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	6.58E-08	4.80E-08	1.88E-08	2.42E-08	2.66E-08	-1.30E-09	-1.66E-09	-5.13E-09
URI (Δ CDF)	-7.80E-08	-7.80E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-08	-3.00E-08	-1.90E-09	3.60E-09	5.90E-09	-2.20E-08	-2.20E-08	-2.60E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

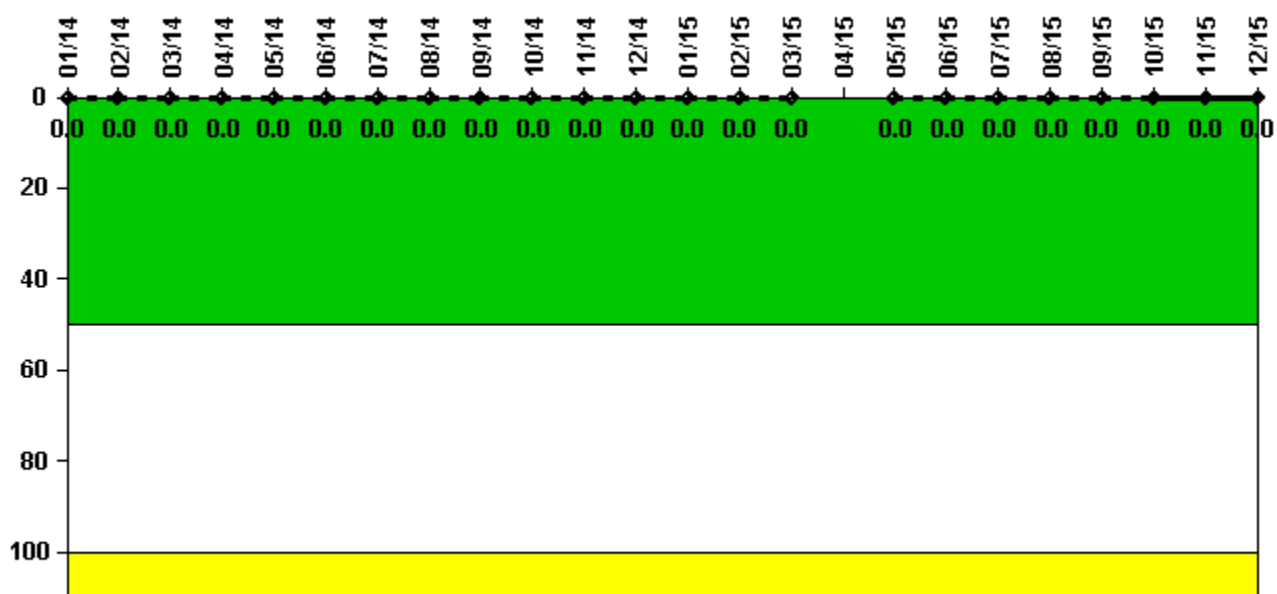
Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-6.58E-08	-5.01E-08	-3.24E-08	-3.30E-08	-5.14E-09	-2.00E-08	-2.00E-08	-4.07E-08
URI (Δ CDF)	-2.26E-07	-2.26E-07	-8.57E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-07	-2.80E-07	-1.20E-07	-1.20E-07	-9.20E-08	-1.10E-07	-1.10E-07	-1.30E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

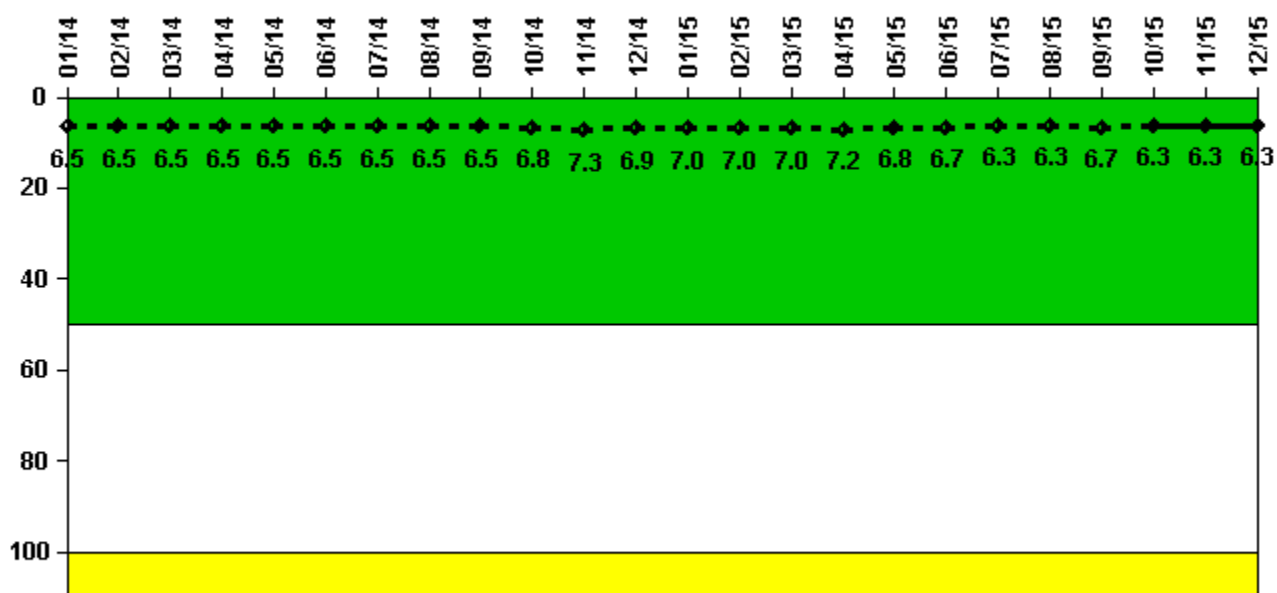
Notes

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	0.000018	0.000019	0.000020	0.000017	0.000019	0.000033	0.000025	0.000023	0.000023	0.000044	0.000020	0.000026
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	0.000022	0.000020	0.000019	N/A	0.000018	0.000010	0.000012	0.000017	0.000015	0.000019	0.000015	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	N/A	0	0	0	0	0	0	0	0

Licensee Comments:

6/15: The May 2015 data was revised due to a misread value. The revised value does not change the color of the indicator. CR 2015-15391

Reactor Coolant System Leakage



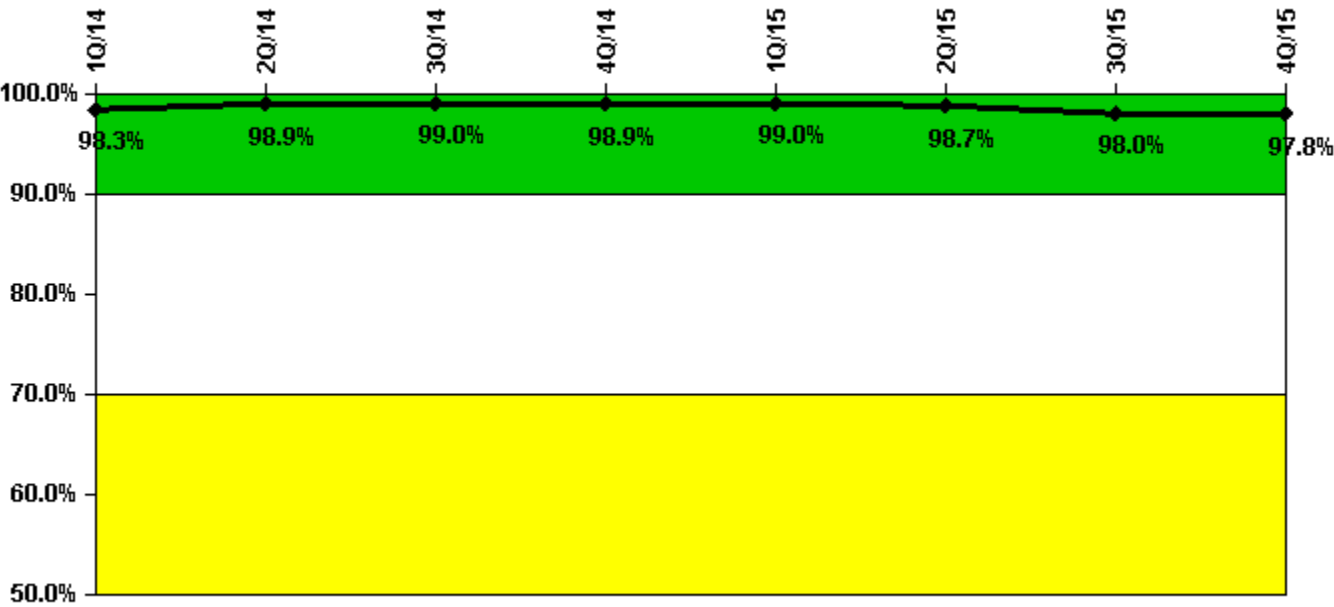
Thresholds: White > 50.0 Yellow > 100.0

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	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	2.030	2.200	2.080
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.8	7.3	6.9
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	2.100	2.100	2.100	2.160	2.050	2.000	1.900	1.900	2.000	1.900	1.900	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	7.0	7.0	7.2	6.8	6.7	6.3	6.3	6.7	6.3	6.3	6.3

Licensee Comments: none

Drill/Exercise Performance



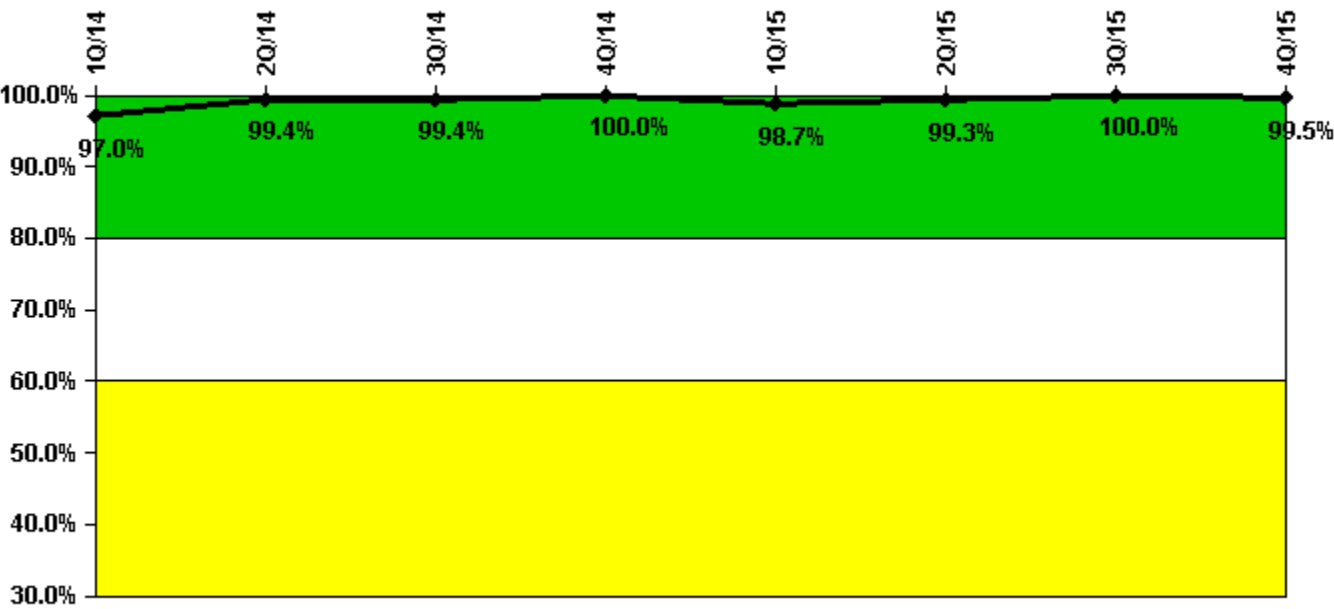
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	46.0	36.0	28.0	10.0	22.0	39.0	48.0	37.0
Total opportunities	47.0	36.0	29.0	10.0	22.0	40.0	50.0	38.0
Indicator value	98.3%	98.9%	99.0%	98.9%	99.0%	98.7%	98.0%	97.8%

Licensee Comments: none

ERO Drill Participation



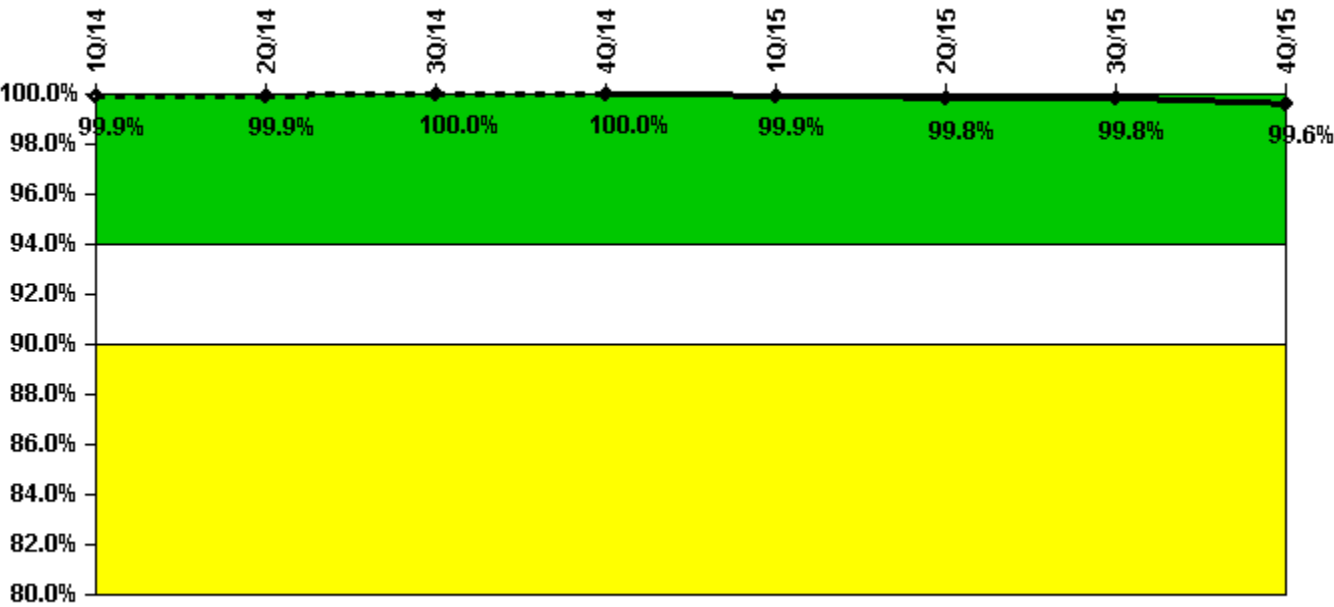
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	160.0	159.0	156.0	156.0	153.0	150.0	164.0	183.0
Total Key personnel	165.0	160.0	157.0	156.0	155.0	151.0	164.0	184.0
Indicator value	97.0%	99.4%	99.4%	100.0%	98.7%	99.3%	100.0%	99.5%

Licensee Comments: none

Alert & Notification System



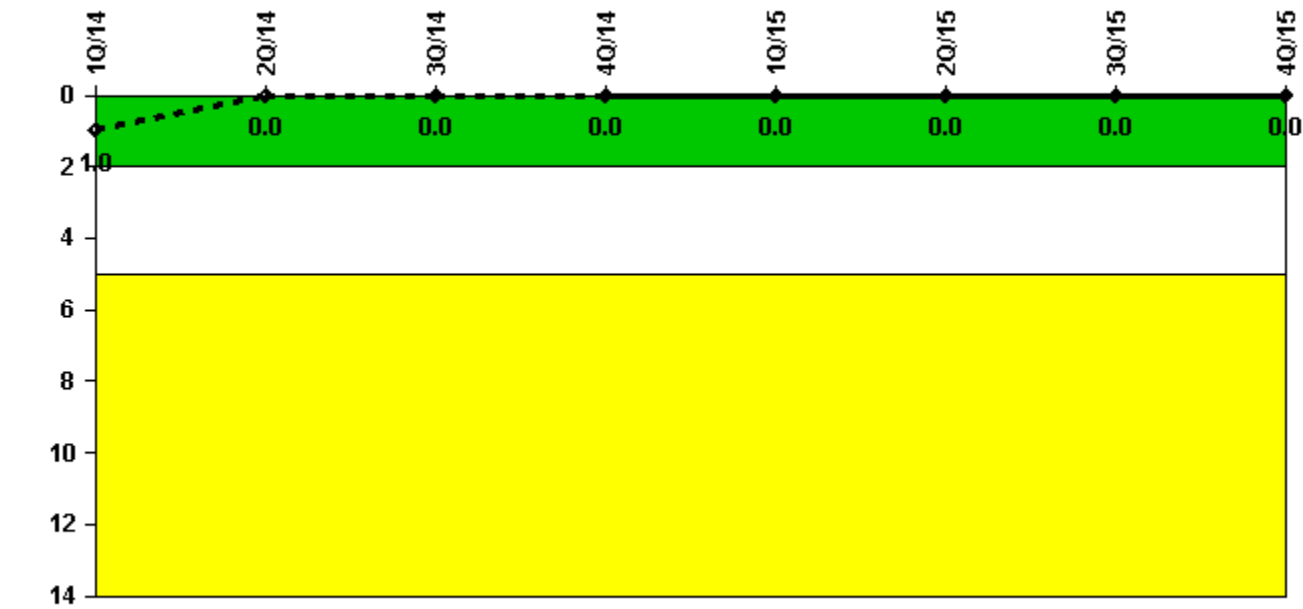
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	532	532	524	520	454	454	532	1059
Total sirens-tests	532	532	524	520	456	456	532	1064
Indicator value	99.9%	99.9%	100.0%	100.0%	99.9%	99.8%	99.8%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



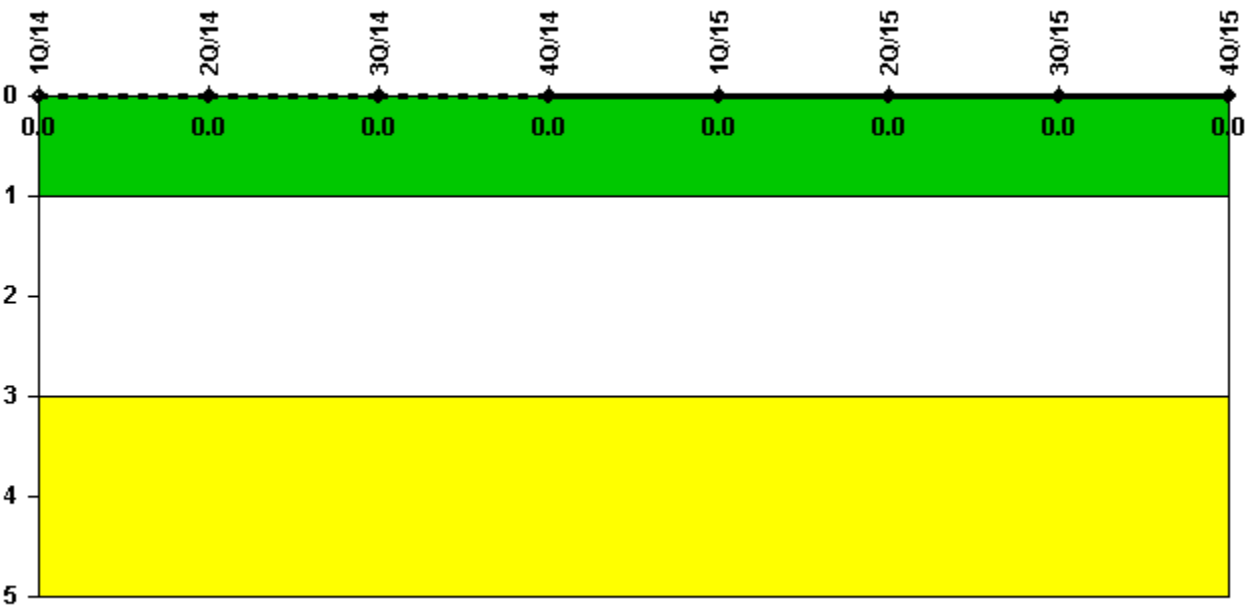
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

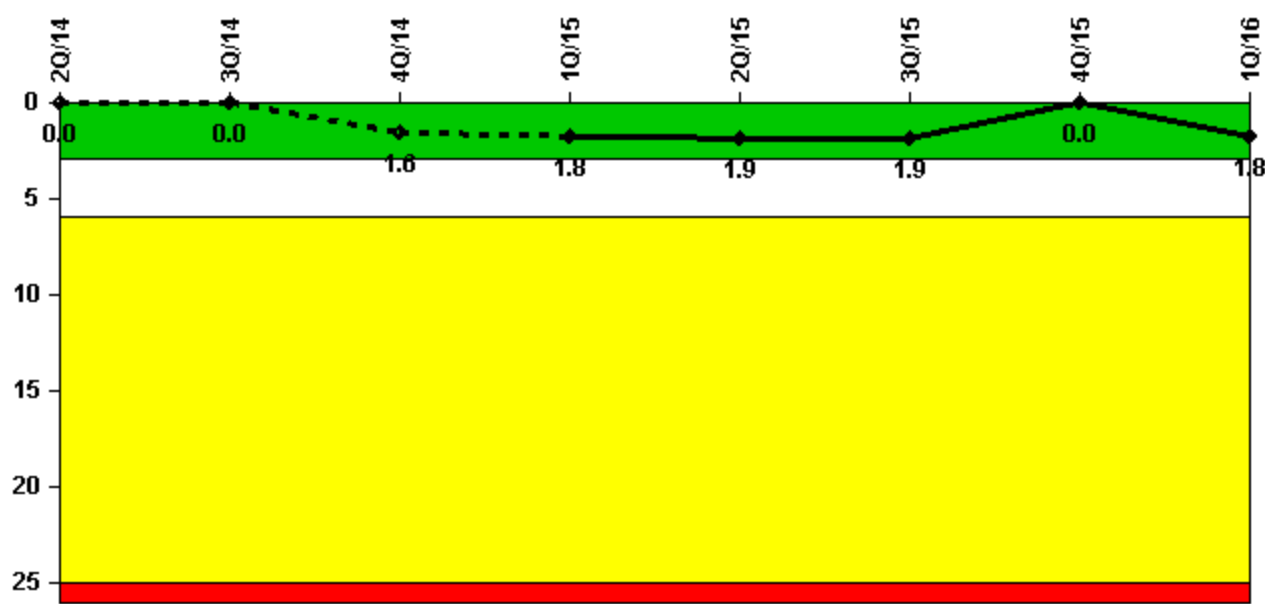
Perry 1

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



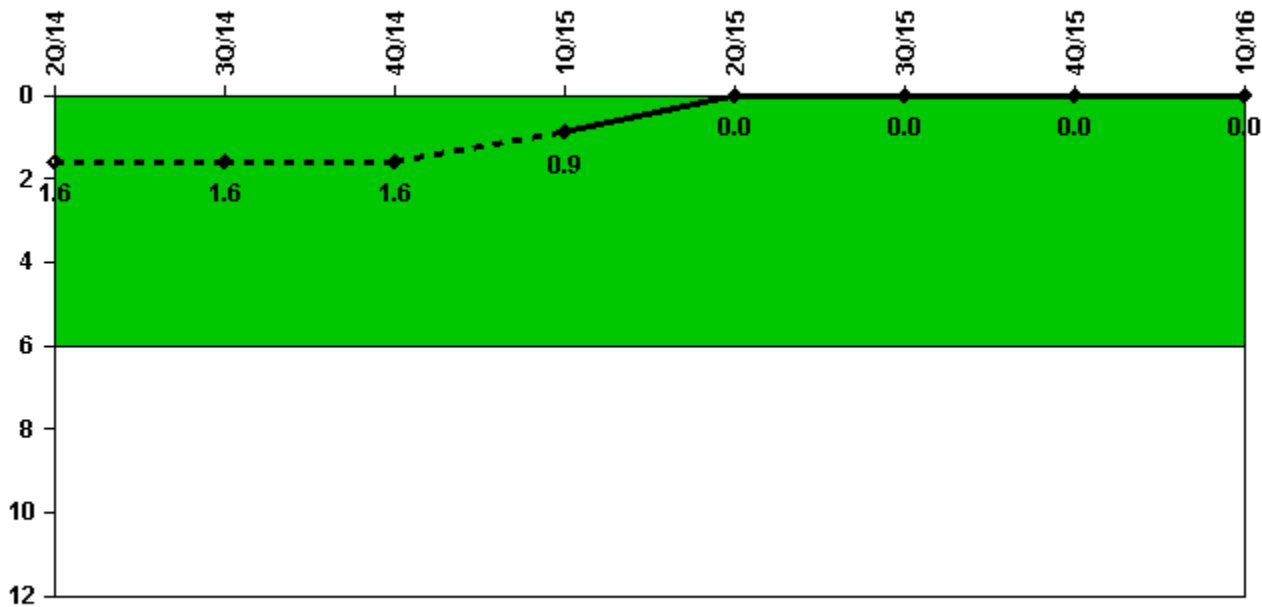
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	2.0
Critical hours	2184.0	2208.0	1978.2	1607.7	1642.2	2208.0	2209.0	1913.7
Indicator value	0	0	1.6	1.8	1.9	1.9	0	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



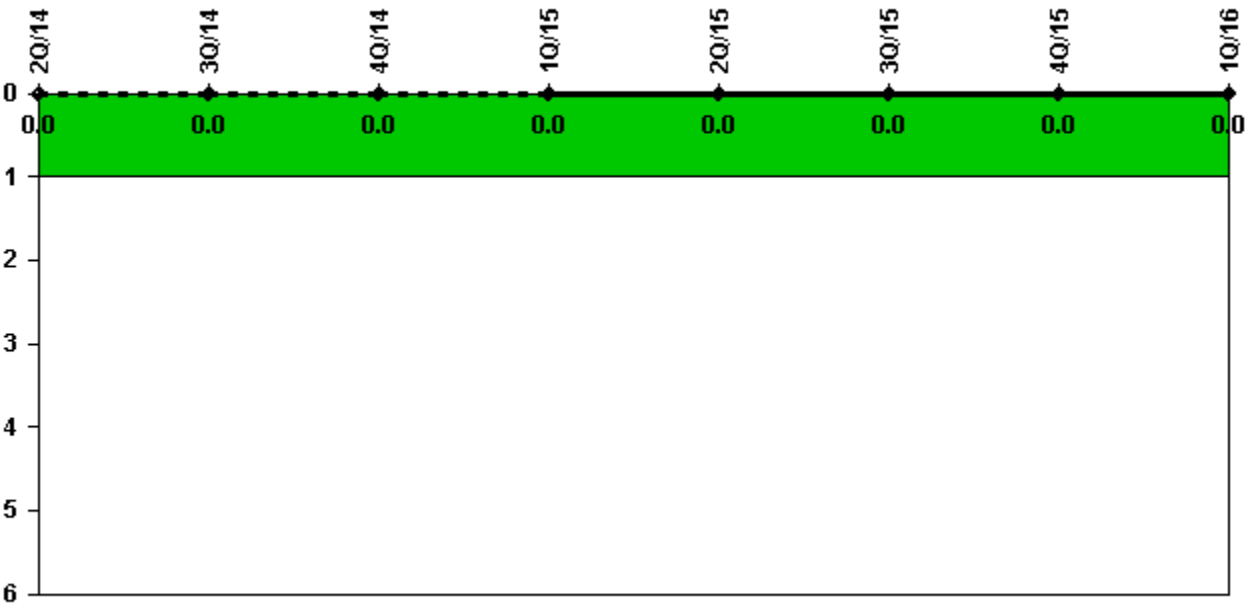
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1978.2	1607.7	1642.2	2208.0	2209.0	1913.7
Indicator value	1.6	1.6	1.6	0.9	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

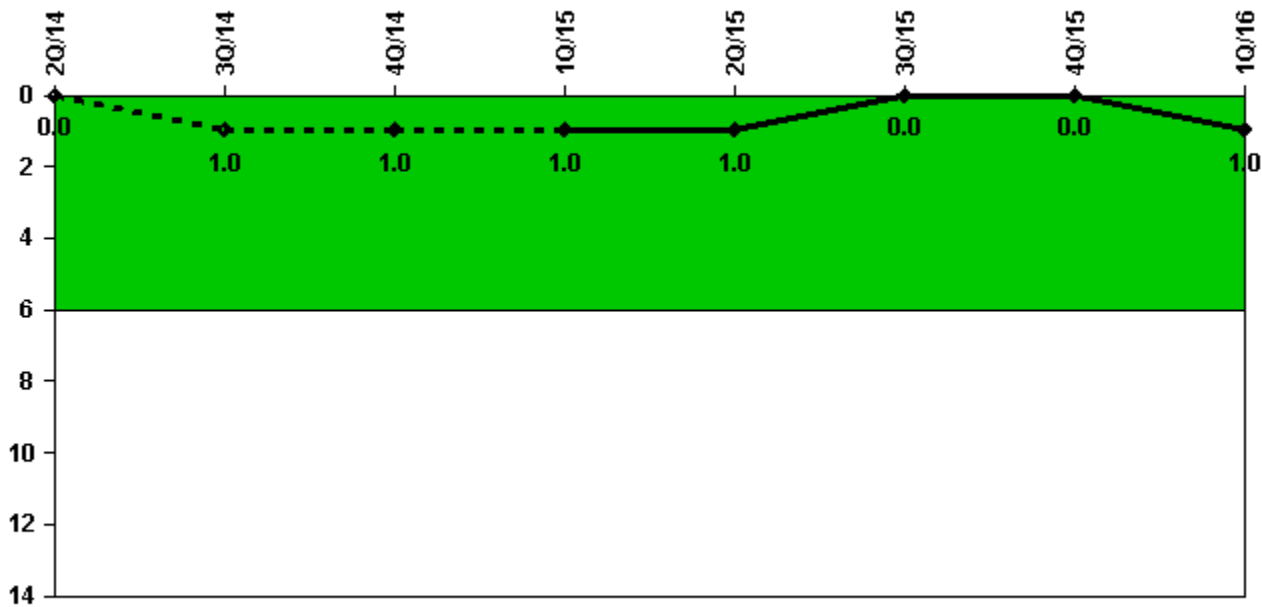
Notes

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:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

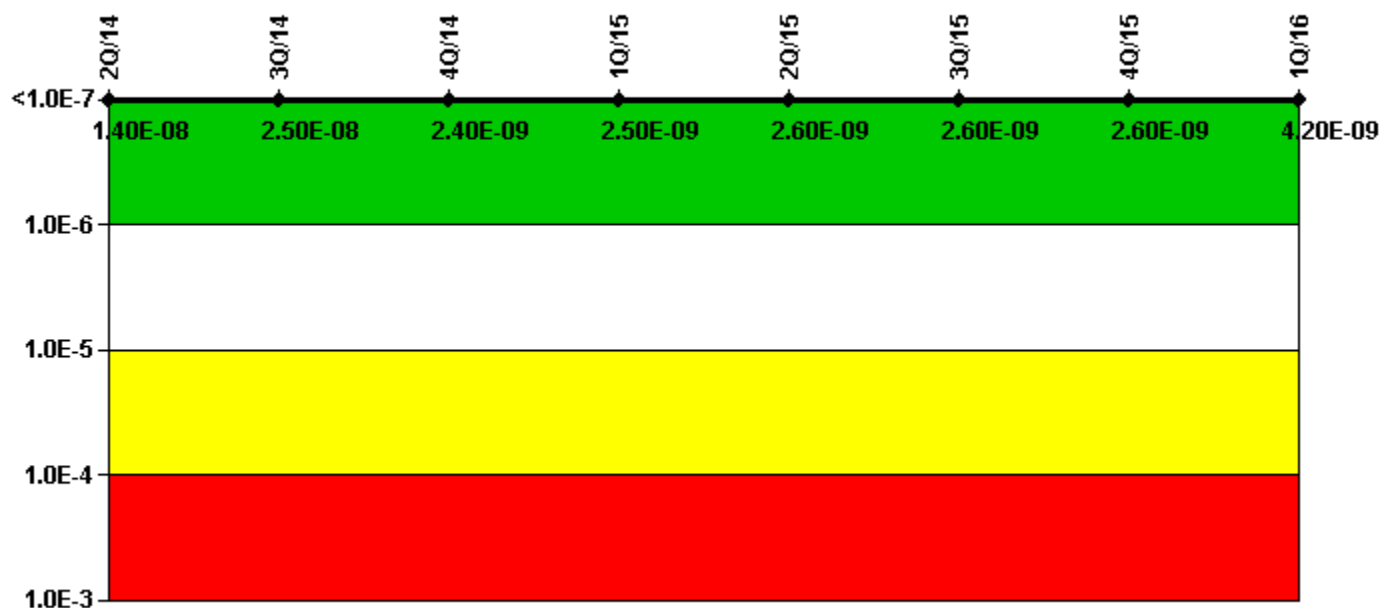
Notes

Safety System Functional Failures (BWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	0	1	0	0	0	0	0	1
Indicator value	0	1	1	1	1	0	0	1

Licensee Comments:

3Q/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

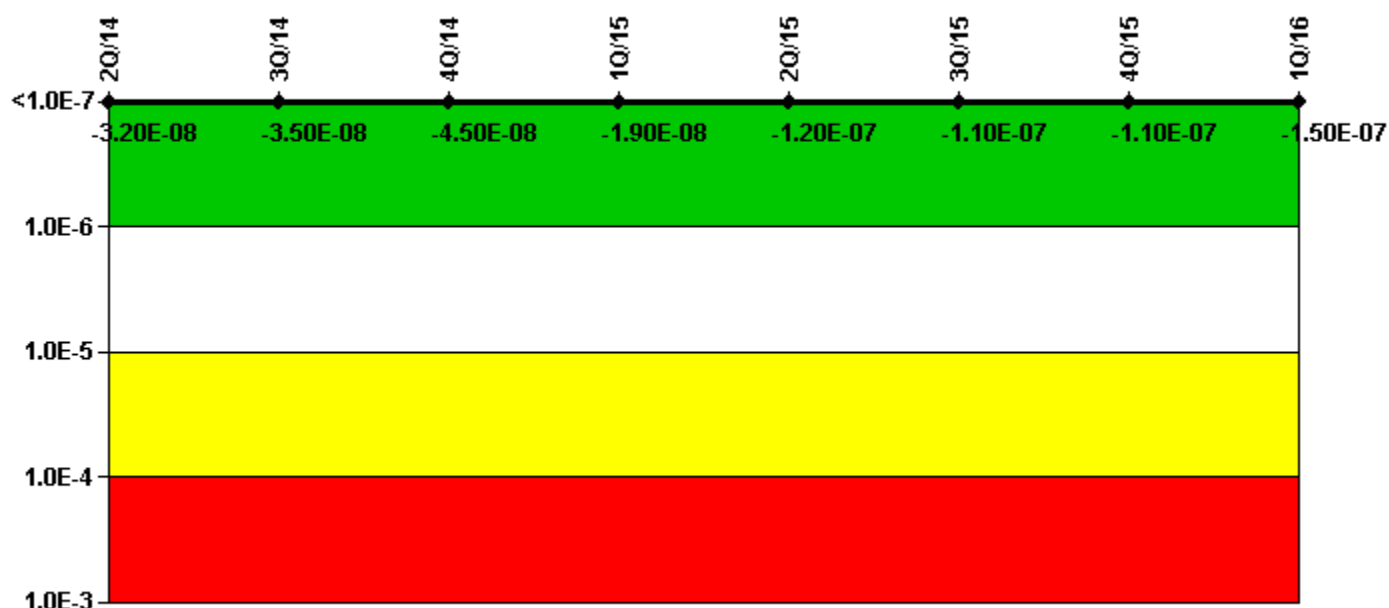
Mitigating Systems Performance Index, Emergency AC Power System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	1.51E-08	1.89E-08	-3.76E-09	-3.66E-09	-3.58E-09	-3.58E-09	-3.58E-09	-1.72E-09
URI (Δ CDF)	-1.51E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	5.94E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.40E-08	2.50E-08	2.40E-09	2.50E-09	2.60E-09	2.60E-09	2.60E-09	4.20E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

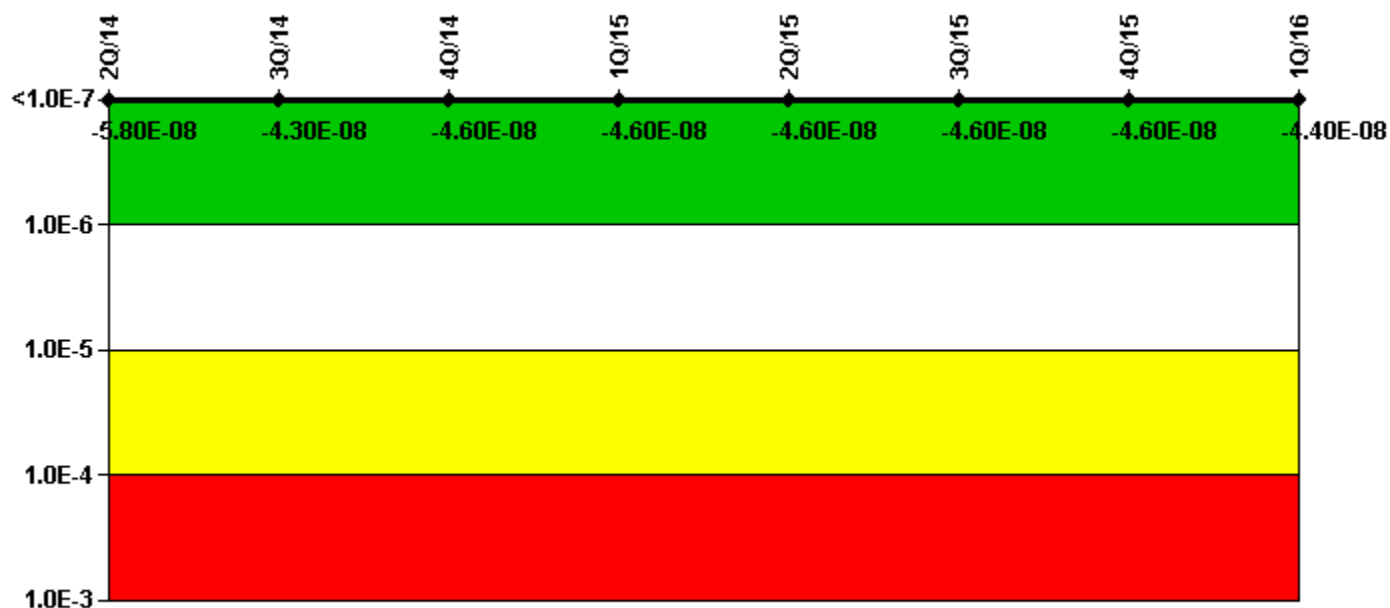
Mitigating Systems Performance Index, High Pressure Injection System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	2.71E-08	1.00E-07	9.17E-08	1.18E-07	2.07E-08	2.45E-08	2.29E-08	-1.23E-08
URI (Δ CDF)	-5.96E-08	-1.35E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.20E-08	-3.50E-08	-4.50E-08	-1.90E-08	-1.20E-07	-1.10E-07	-1.10E-07	-1.50E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

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)	-1.37E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.04E-08	-1.04E-08	-1.04E-08
URI (Δ CDF)	-4.41E-08	-3.23E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.80E-08	-4.30E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.40E-08

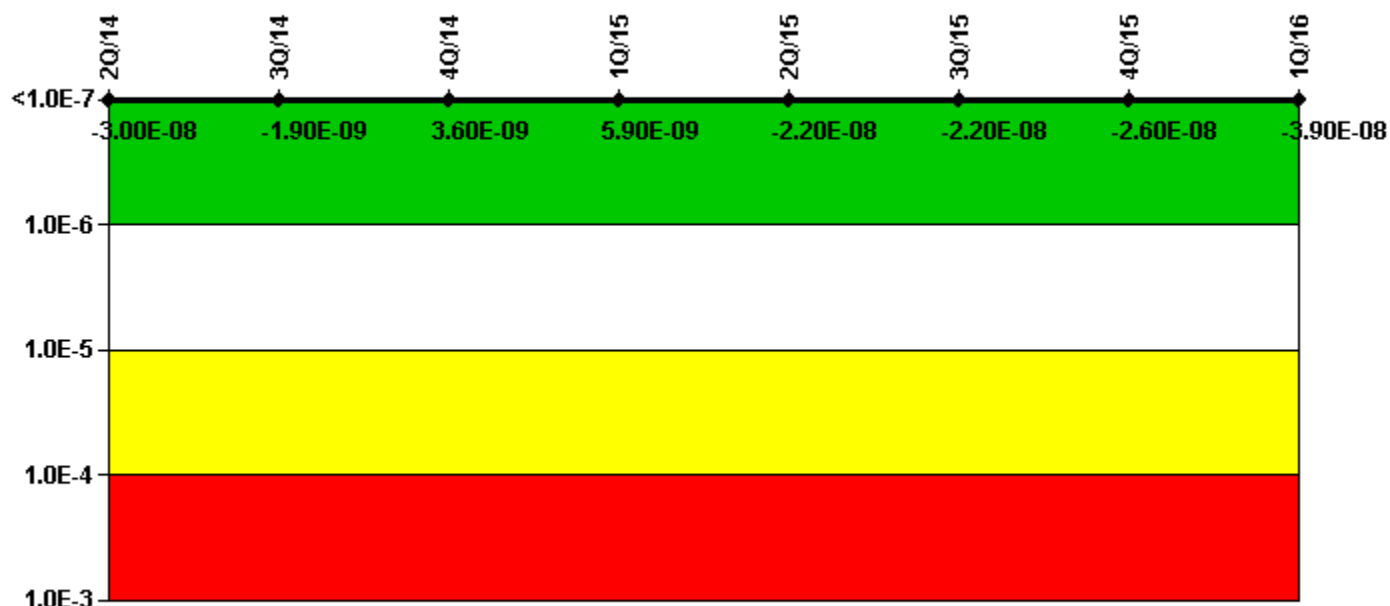
Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/14: 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

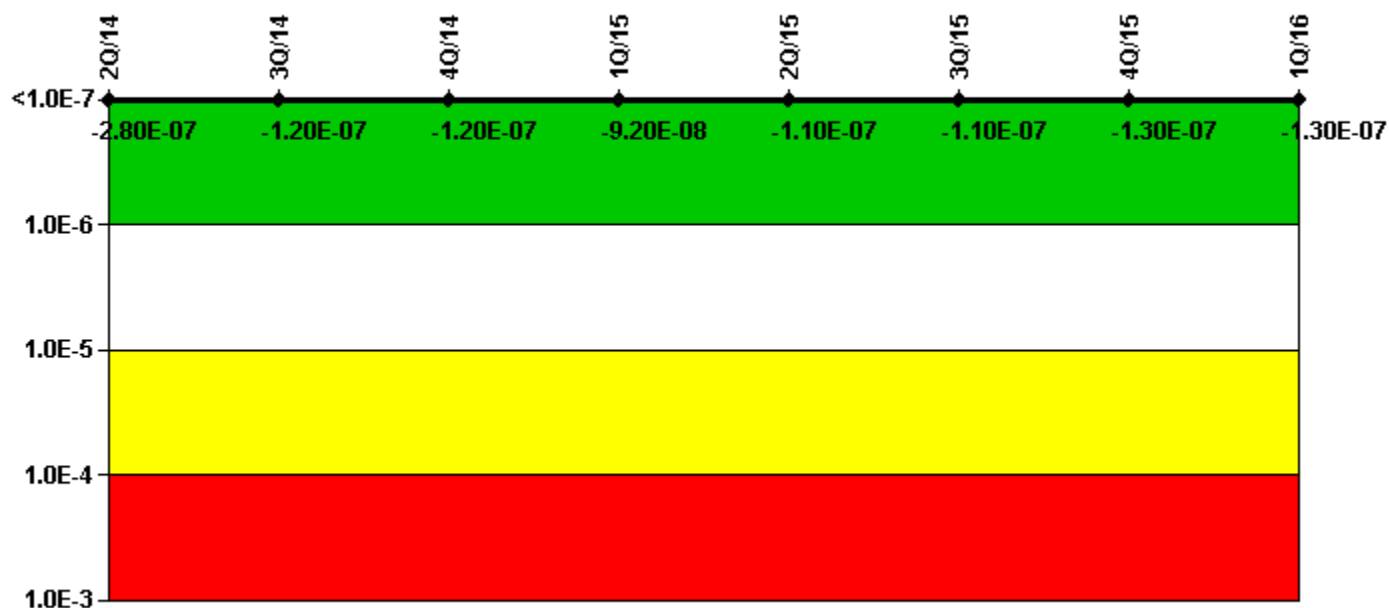
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	4.80E-08	1.88E-08	2.42E-08	2.66E-08	-1.30E-09	-1.66E-09	-5.13E-09	-1.87E-08
URI (Δ CDF)	-7.80E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-08	-1.90E-09	3.60E-09	5.90E-09	-2.20E-08	-2.20E-08	-2.60E-08	-3.90E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

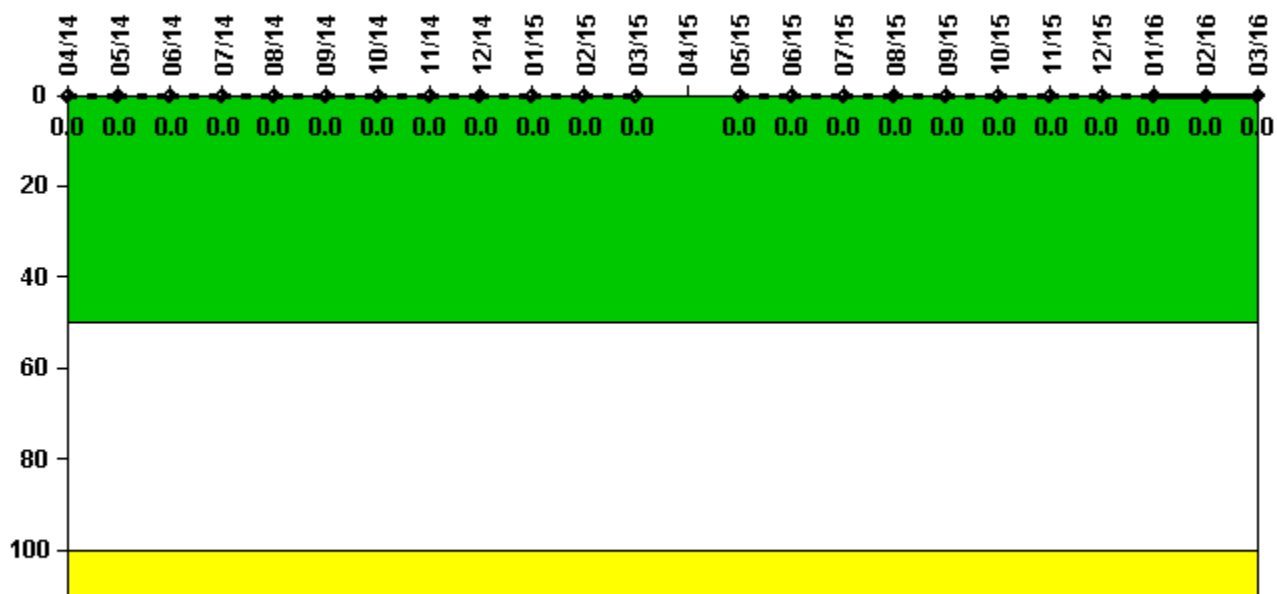
Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	-5.01E-08	-3.24E-08	-3.30E-08	-5.14E-09	-2.00E-08	-2.00E-08	-4.07E-08	-3.96E-08
URI (Δ CDF)	-2.26E-07	-8.57E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-07	-1.20E-07	-1.20E-07	-9.20E-08	-1.10E-07	-1.10E-07	-1.30E-07	-1.30E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Reactor Coolant System Activity



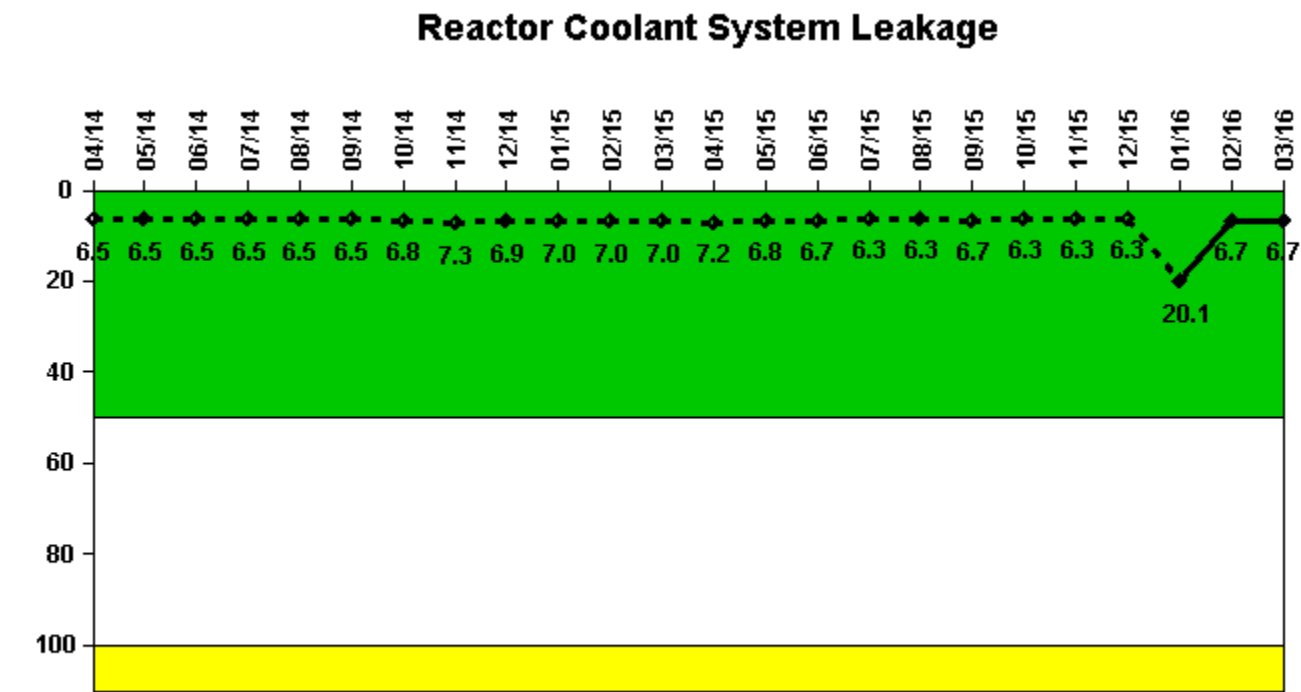
Thresholds: White > 50.0 Yellow > 100.0

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	0.000017	0.000019	0.000033	0.000025	0.000023	0.000023	0.000044	0.000020	0.000026	0.000022	0.000020	0.000019
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	N/A	0.000018	0.000010	0.000012	0.000017	0.000015	0.000019	0.000015	0.000016	0.000018	0.000014	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

6/15: The May 2015 data was revised due to a misread value. The revised value does not change the color of the indicator. CR 2015-15391



Thresholds: White > 50.0 Yellow > 100.0

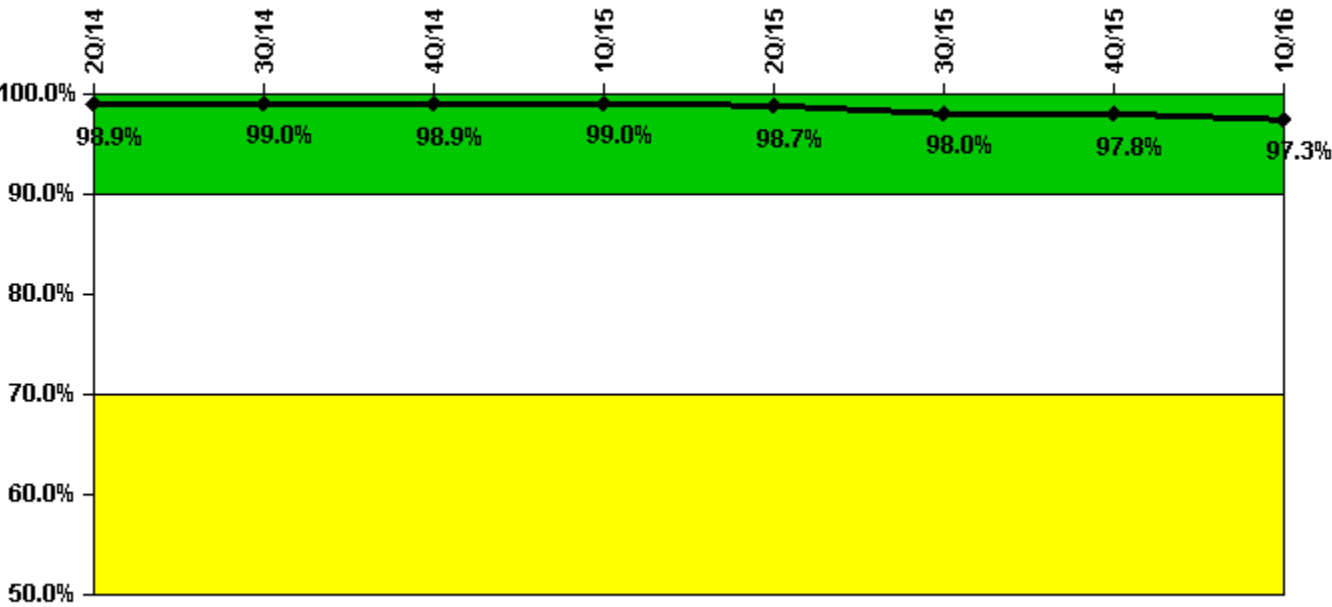
Notes

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	1.950	1.950	1.950	1.950	1.950	1.950	2.030	2.200	2.080	2.100	2.100	2.100
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.5	6.5	6.5	6.5	6.5	6.5	6.8	7.3	6.9	7.0	7.0	7.0

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	2.160	2.050	2.000	1.900	1.900	2.000	1.900	1.900	1.900	6.020	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.2	6.8	6.7	6.3	6.3	6.7	6.3	6.3	6.3	20.1	6.7	6.7

Licensee Comments: none

Drill/Exercise Performance



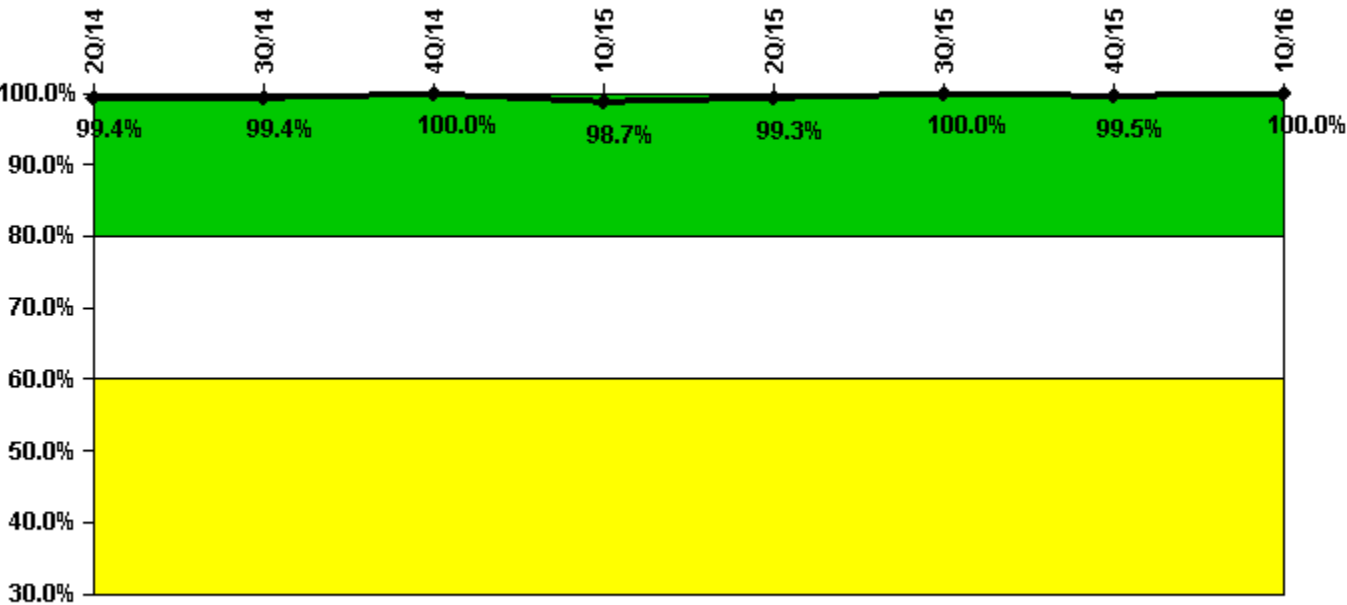
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	36.0	28.0	10.0	22.0	39.0	48.0	37.0	36.0
Total opportunities	36.0	29.0	10.0	22.0	40.0	50.0	38.0	38.0
Indicator value	98.9%	99.0%	98.9%	99.0%	98.7%	98.0%	97.8%	97.3%

Licensee Comments: none

ERO Drill Participation



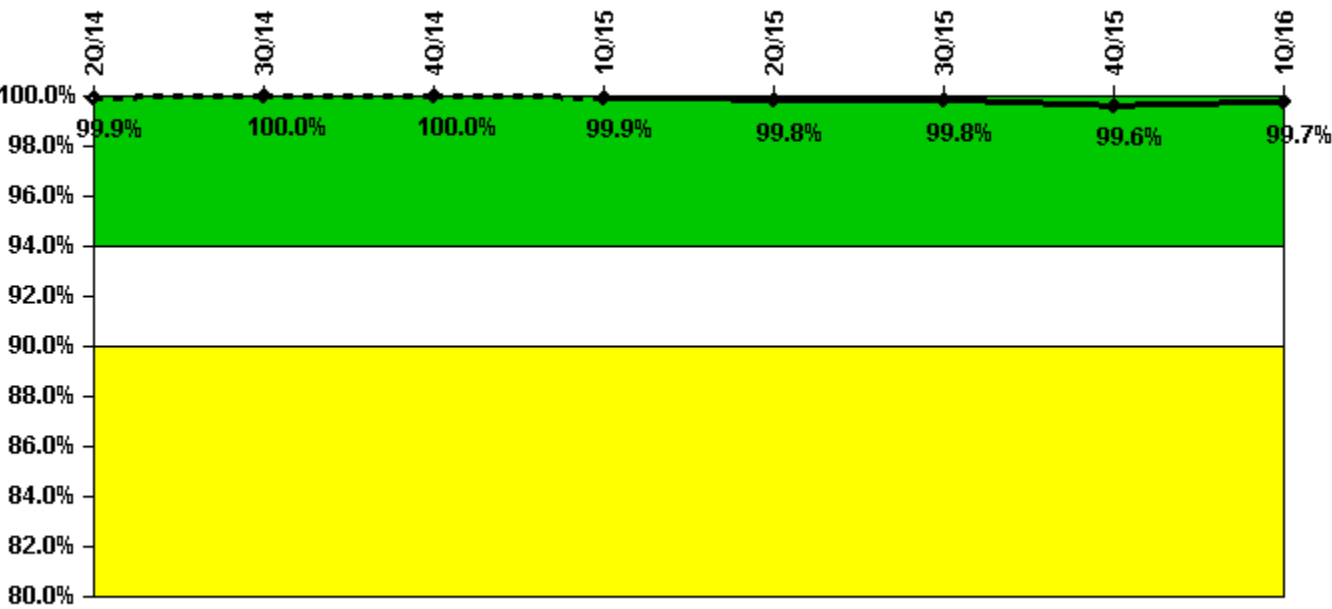
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	159.0	156.0	156.0	153.0	150.0	164.0	183.0	179.0
Total Key personnel	160.0	157.0	156.0	155.0	151.0	164.0	184.0	179.0
Indicator value	99.4%	99.4%	100.0%	98.7%	99.3%	100.0%	99.5%	100.0%

Licensee Comments: none

Alert & Notification System



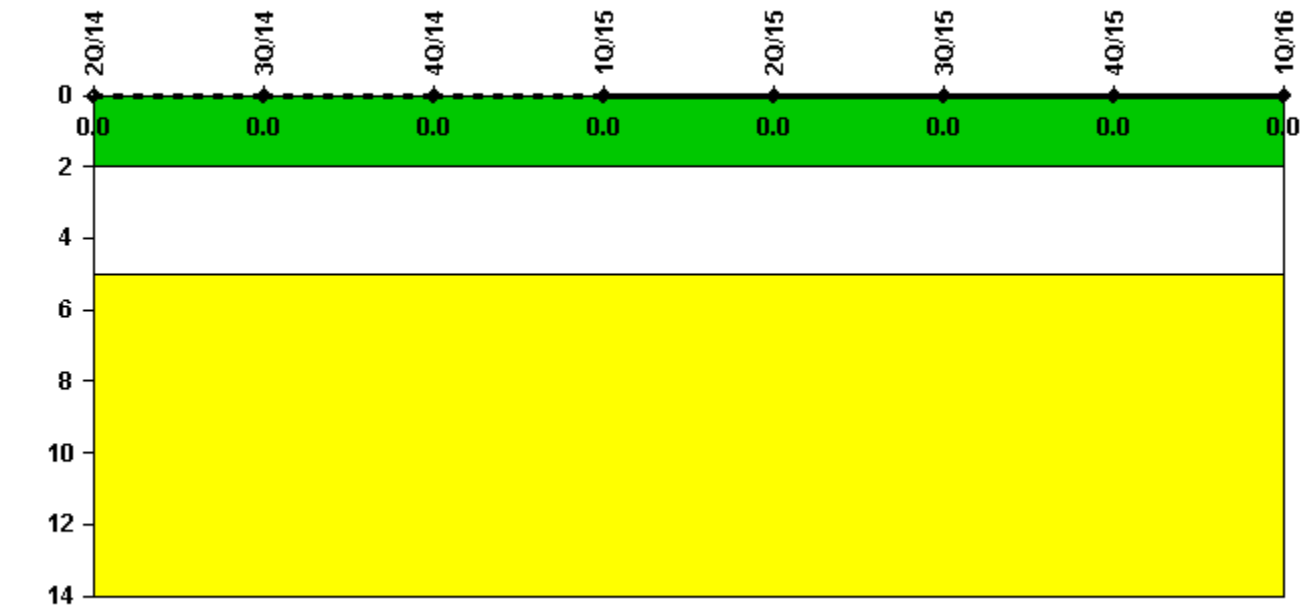
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	532	524	520	454	454	532	1059	987
Total sirens-tests	532	524	520	456	456	532	1064	988
Indicator value	99.9%	100.0%	100.0%	99.9%	99.8%	99.8%	99.6%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



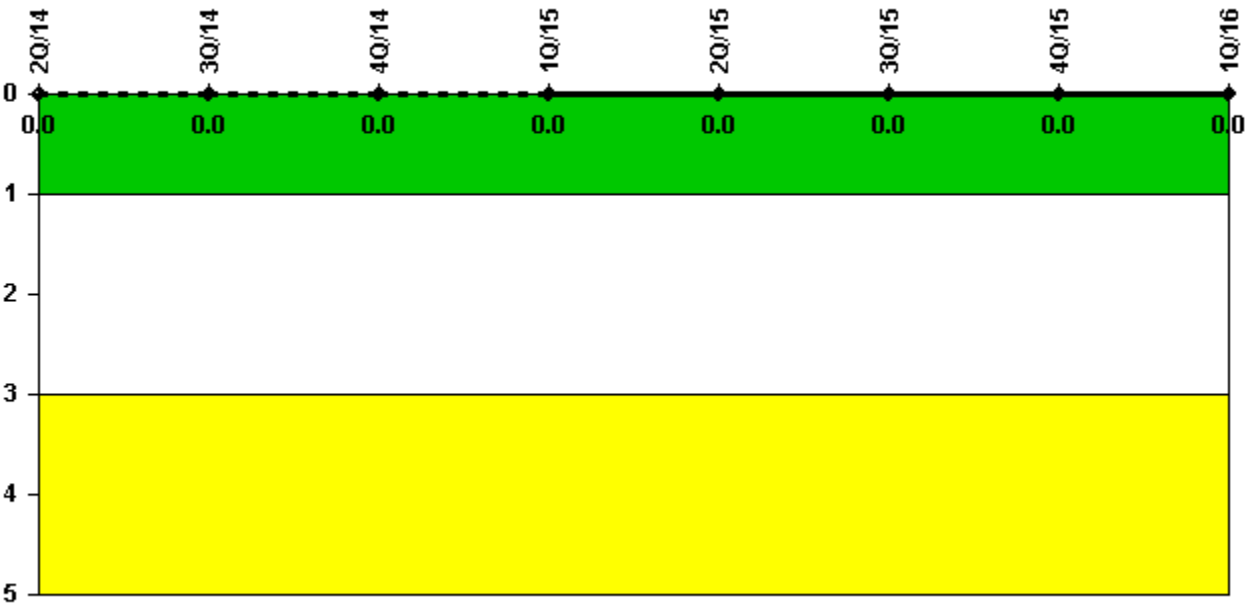
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

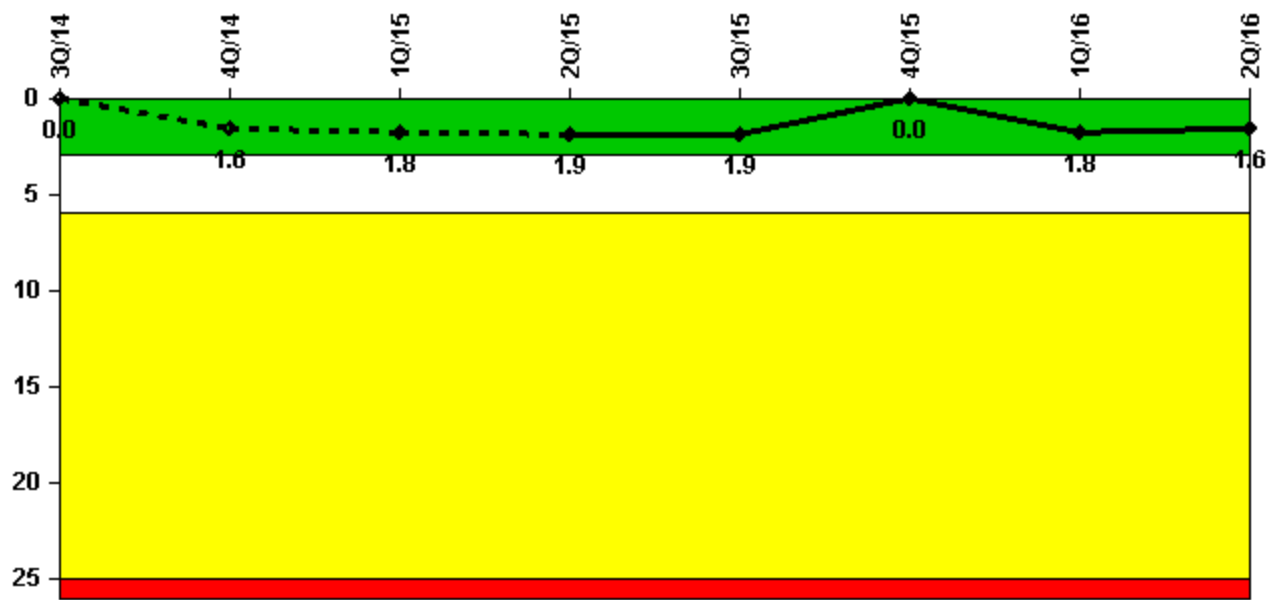
Perry 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



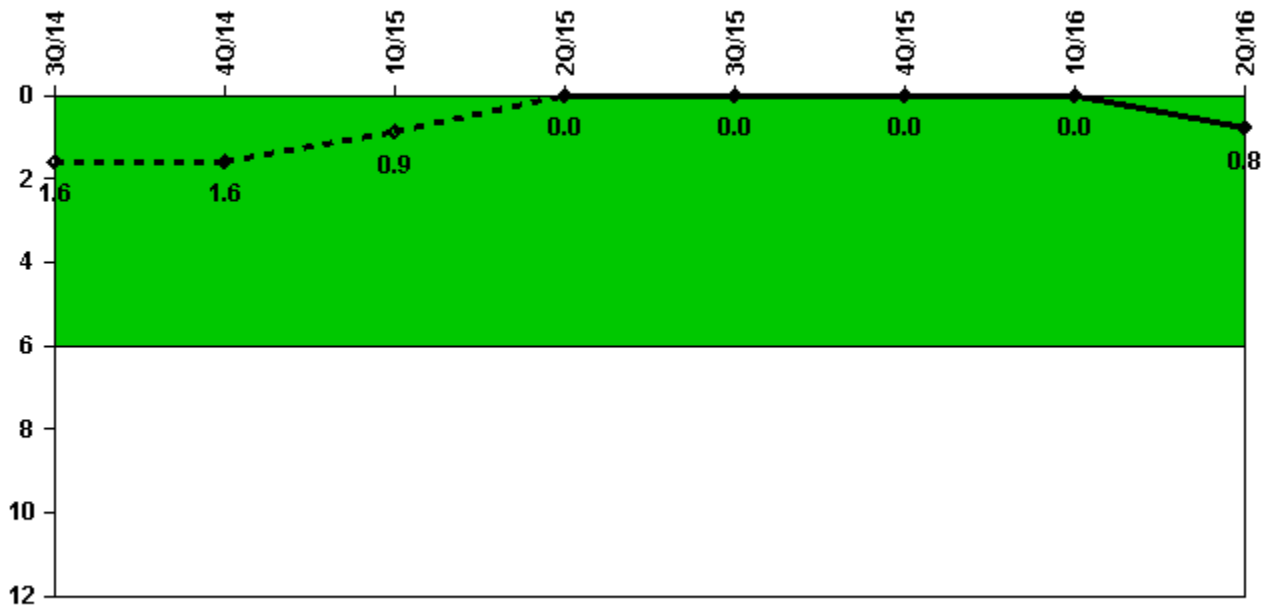
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	2.0	0
Critical hours	2208.0	1978.2	1607.7	1642.2	2208.0	2209.0	1913.7	2184.0
Indicator value	0	1.6	1.8	1.9	1.9	0	1.8	1.6

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



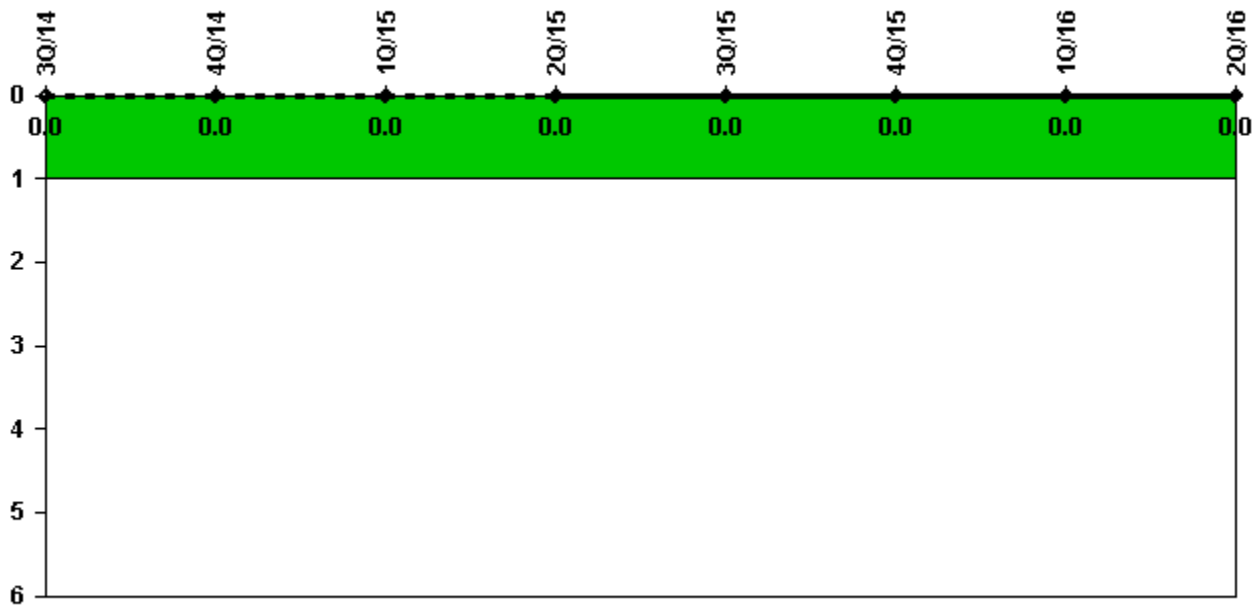
Thresholds: White > 6.0

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	1.0
Critical hours	2208.0	1978.2	1607.7	1642.2	2208.0	2209.0	1913.7	2184.0
Indicator value	1.6	1.6	0.9	0	0	0	0	0.8

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

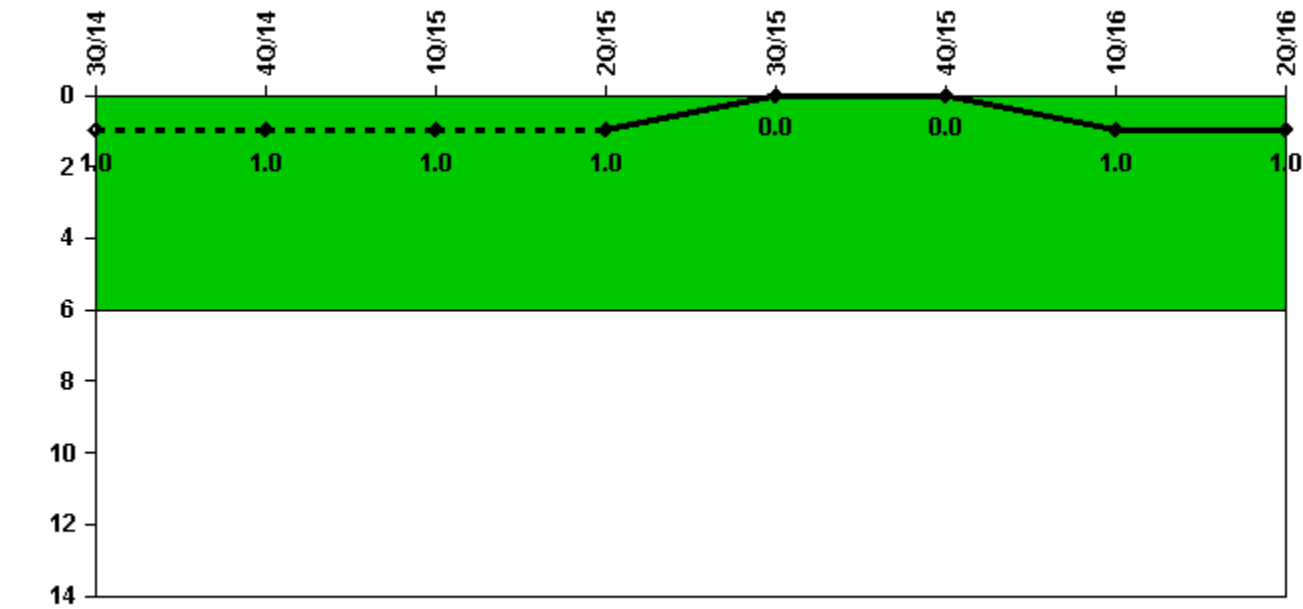
Notes

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:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

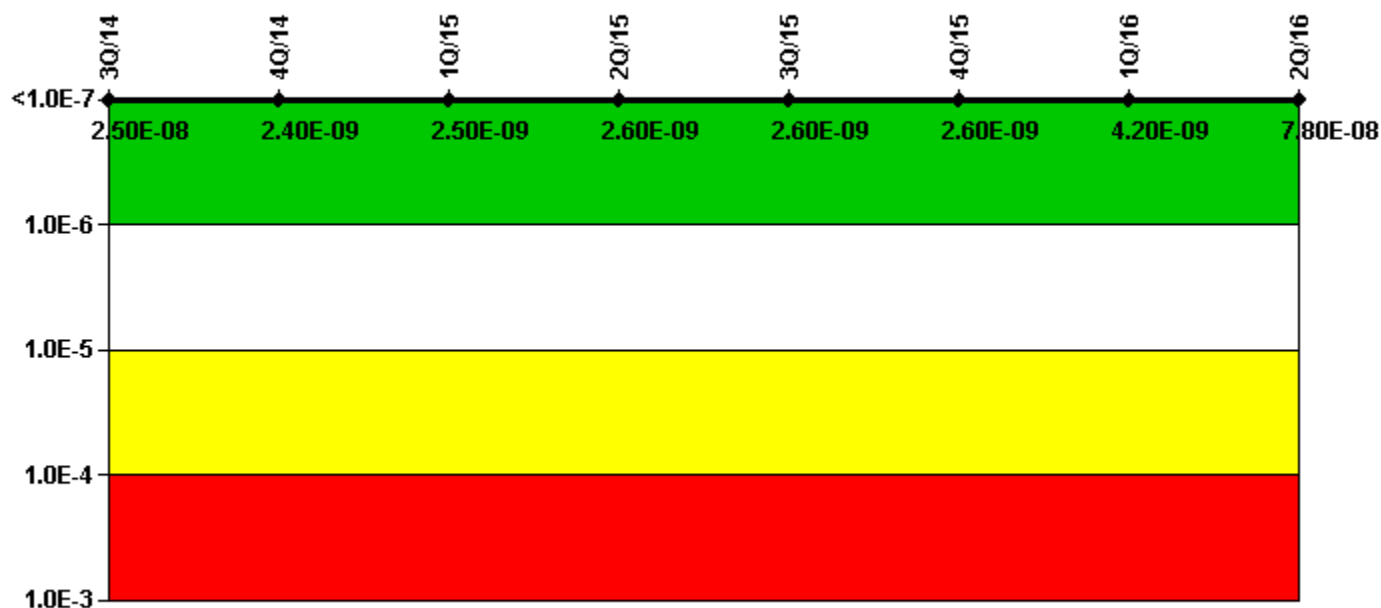
Notes

Safety System Functional Failures (BWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	1	0	0	0	0	0	1	0
Indicator value	1	1	1	1	0	0	1	1

Licensee Comments:

3Q/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

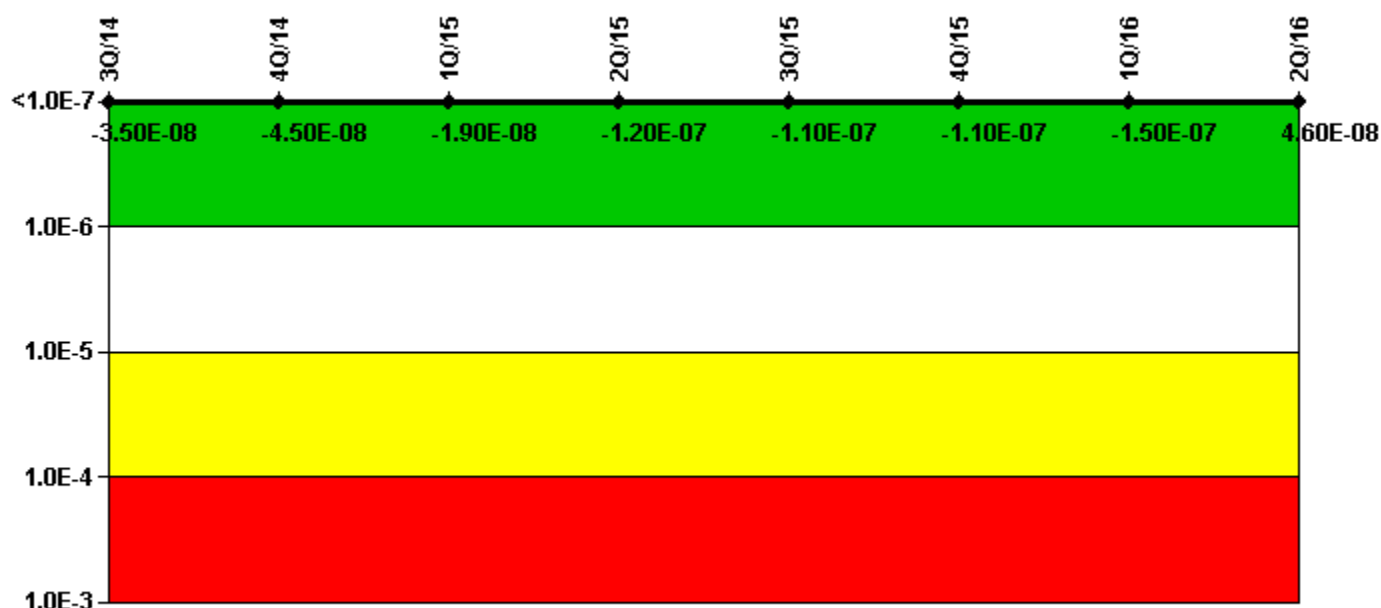
Mitigating Systems Performance Index, Emergency AC Power System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.89E-08	-3.76E-09	-3.66E-09	-3.58E-09	-3.58E-09	-3.58E-09	-1.72E-09	-1.93E-09
URI (Δ CDF)	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	5.94E-09	7.98E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.50E-08	2.40E-09	2.50E-09	2.60E-09	2.60E-09	2.60E-09	4.20E-09	7.80E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

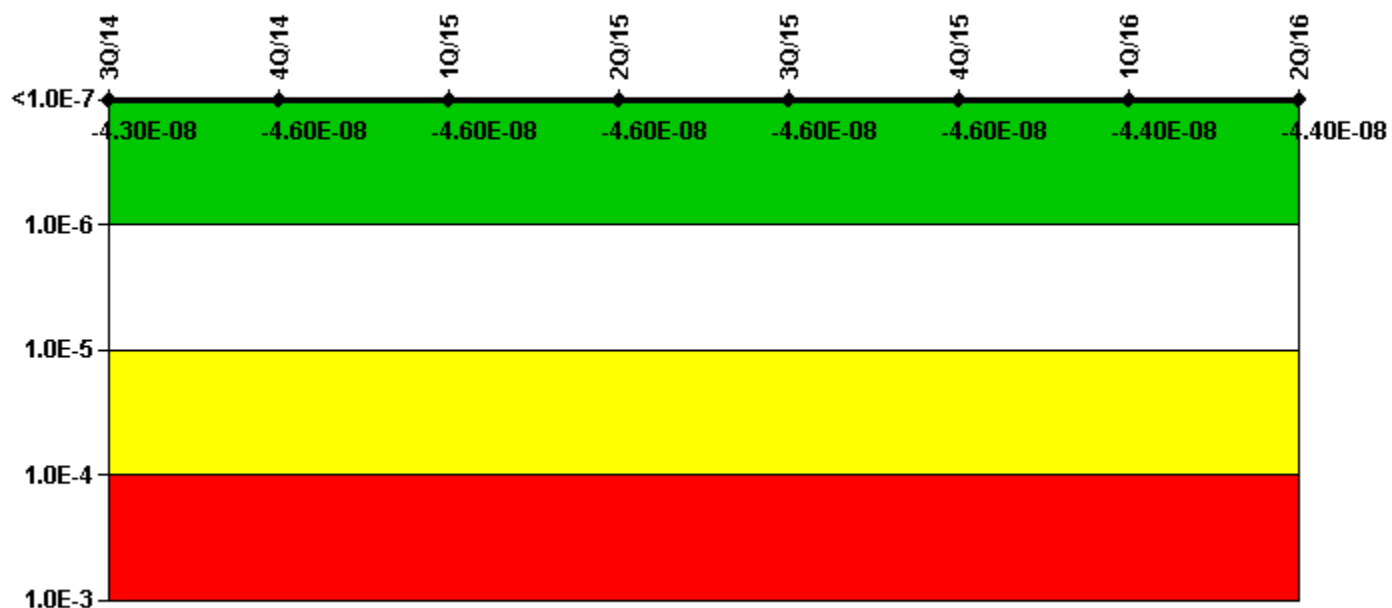
Mitigating Systems Performance Index, High Pressure Injection System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.00E-07	9.17E-08	1.18E-07	2.07E-08	2.45E-08	2.29E-08	-1.23E-08	1.82E-07
URI (Δ CDF)	-1.35E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.36E-07	-1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.50E-08	-4.50E-08	-1.90E-08	-1.20E-07	-1.10E-07	-1.10E-07	-1.50E-07	4.60E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

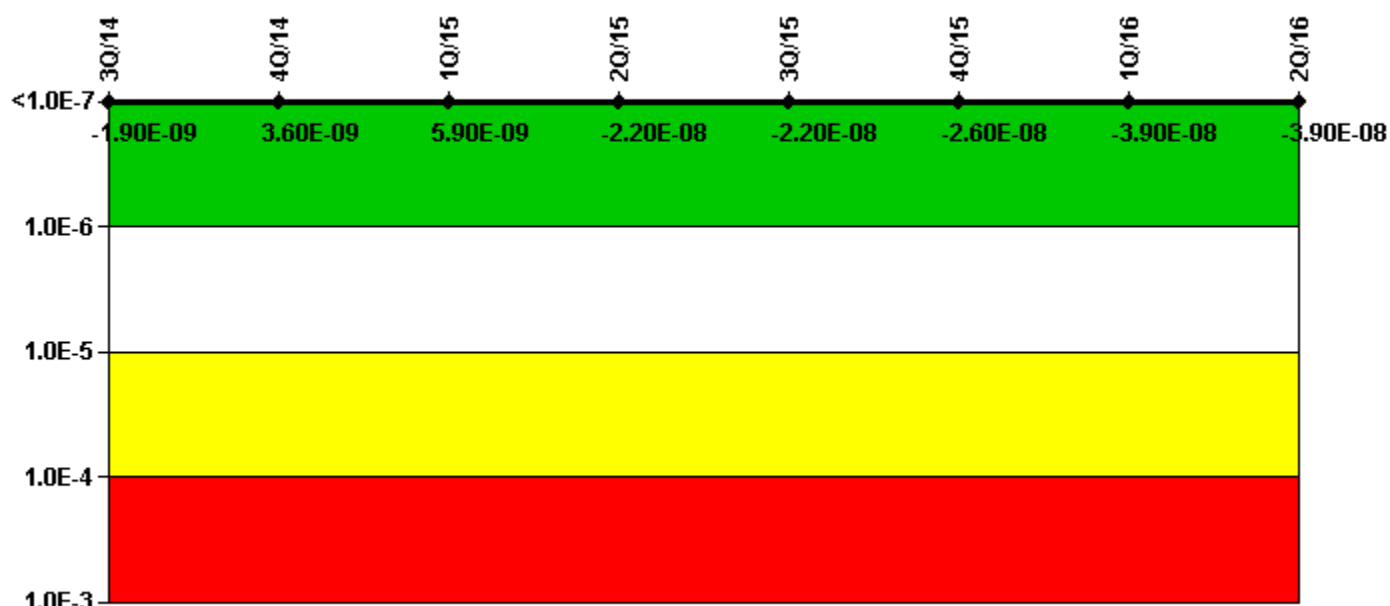
Mitigating Systems Performance Index, Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.04E-08	-1.04E-08	-1.04E-08	-1.05E-08
URI (Δ CDF)	-3.23E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.37E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.40E-08	-4.40E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

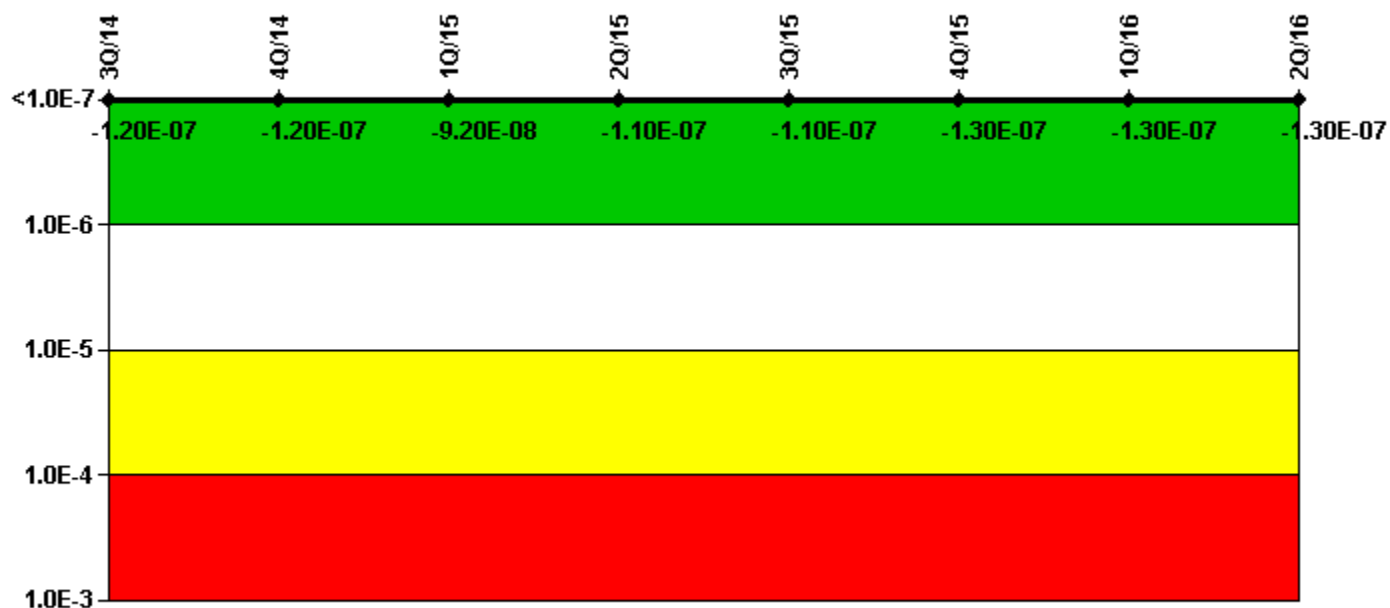
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.88E-08	2.42E-08	2.66E-08	-1.30E-09	-1.66E-09	-5.13E-09	-1.87E-08	-1.87E-08
URI (Δ CDF)	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-09	3.60E-09	5.90E-09	-2.20E-08	-2.20E-08	-2.60E-08	-3.90E-08	-3.90E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

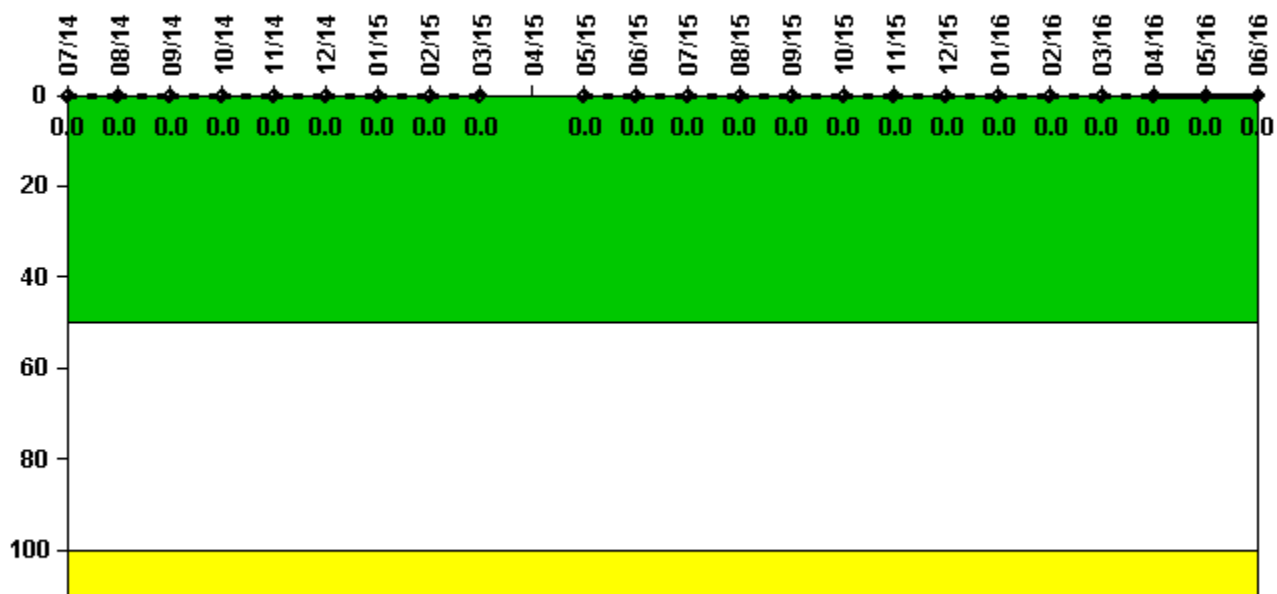
Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-3.24E-08	-3.30E-08	-5.14E-09	-2.00E-08	-2.00E-08	-4.07E-08	-3.96E-08	-3.96E-08
URI (Δ CDF)	-8.57E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.20E-07	-9.20E-08	-1.10E-07	-1.10E-07	-1.30E-07	-1.30E-07	-1.30E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

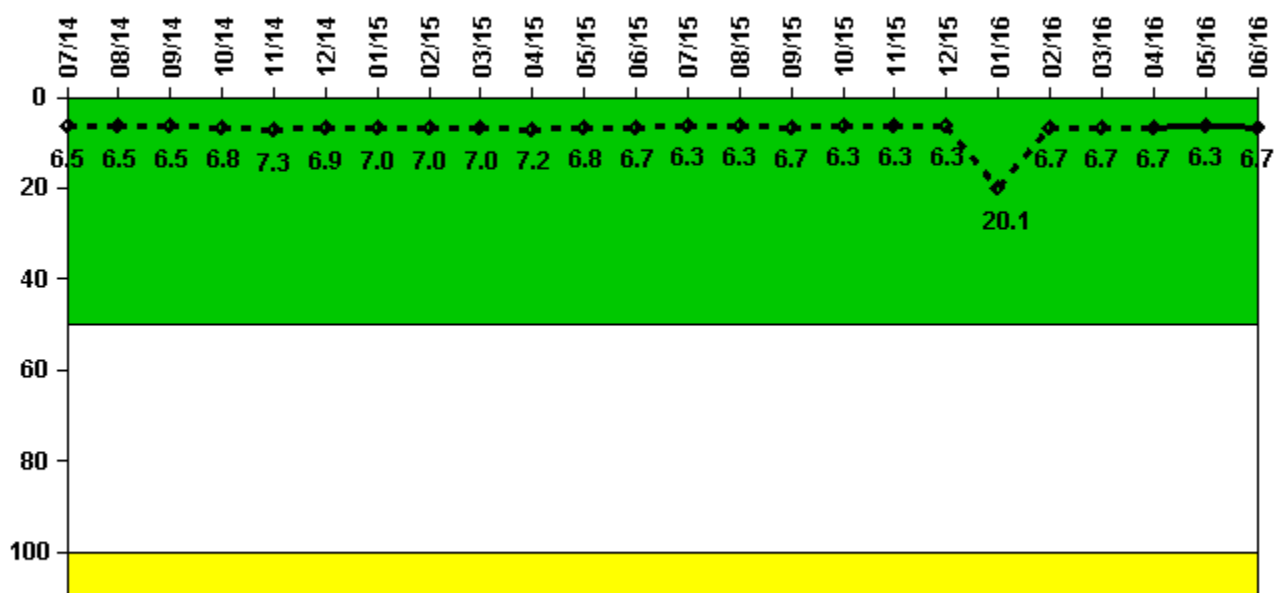
Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000025	0.000023	0.000023	0.000044	0.000020	0.000026	0.000022	0.000020	0.000019	N/A	0.000018	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	N/A	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	0.000012	0.000017	0.000015	0.000019	0.000015	0.000016	0.000018	0.000014	0.000012	0.000014	0.000015	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

6/15: The May 2015 data was revised due to a misread value. The revised value does not change the color of the indicator. CR 2015-15391

Reactor Coolant System Leakage



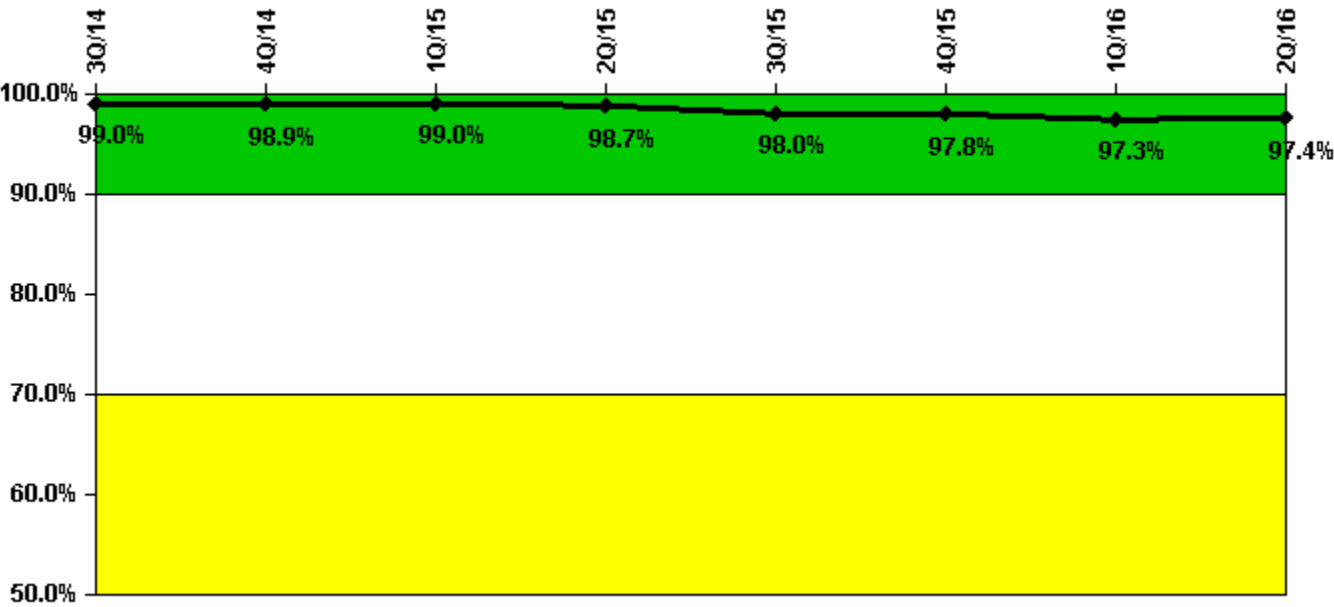
Thresholds: White > 50.0 Yellow > 100.0

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	1.950	1.950	1.950	2.030	2.200	2.080	2.100	2.100	2.100	2.160	2.050	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.5	6.5	6.5	6.8	7.3	6.9	7.0	7.0	7.0	7.2	6.8	6.7
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	1.900	1.900	2.000	1.900	1.900	1.900	6.020	2.000	2.000	2.010	1.900	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.3	6.7	6.3	6.3	6.3	20.1	6.7	6.7	6.7	6.3	6.7

Licensee Comments: none

Drill/Exercise Performance



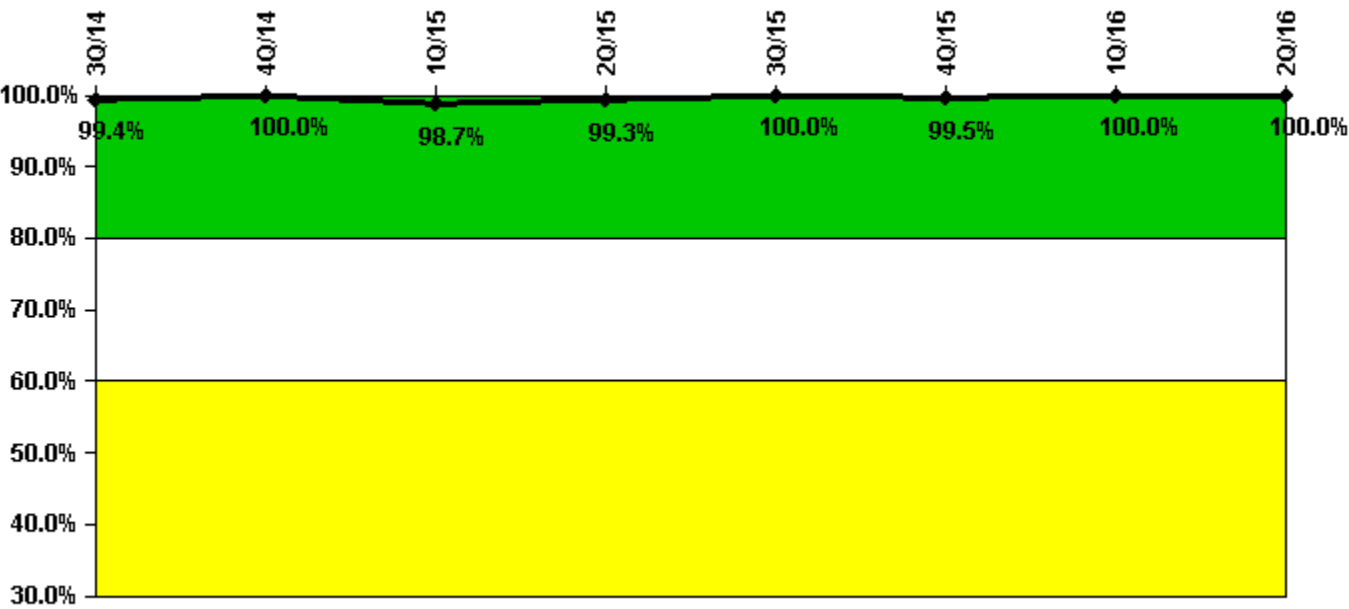
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	28.0	10.0	22.0	39.0	48.0	37.0	36.0	44.0
Total opportunities	29.0	10.0	22.0	40.0	50.0	38.0	38.0	44.0
Indicator value	99.0%	98.9%	99.0%	98.7%	98.0%	97.8%	97.3%	97.4%

Licensee Comments: none

ERO Drill Participation



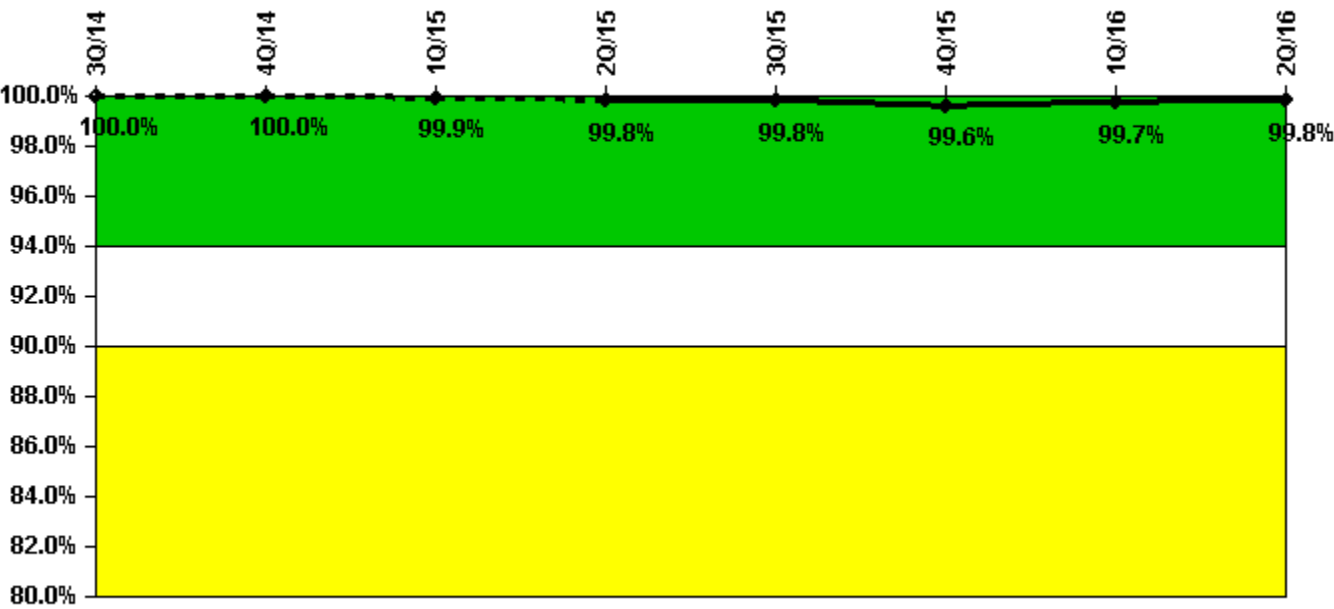
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	156.0	156.0	153.0	150.0	164.0	183.0	179.0	179.0
Total Key personnel	157.0	156.0	155.0	151.0	164.0	184.0	179.0	179.0
Indicator value	99.4%	100.0%	98.7%	99.3%	100.0%	99.5%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



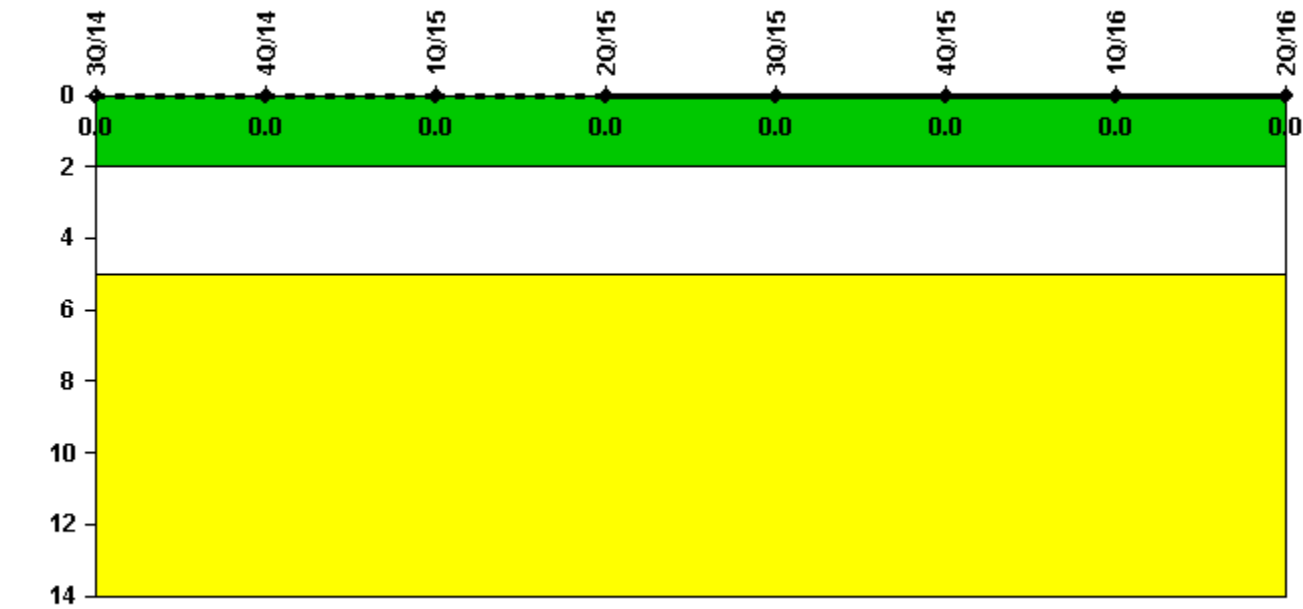
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	524	520	454	454	532	1059	987	988
Total sirens-tests	524	520	456	456	532	1064	988	988
Indicator value	100.0%	100.0%	99.9%	99.8%	99.8%	99.6%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



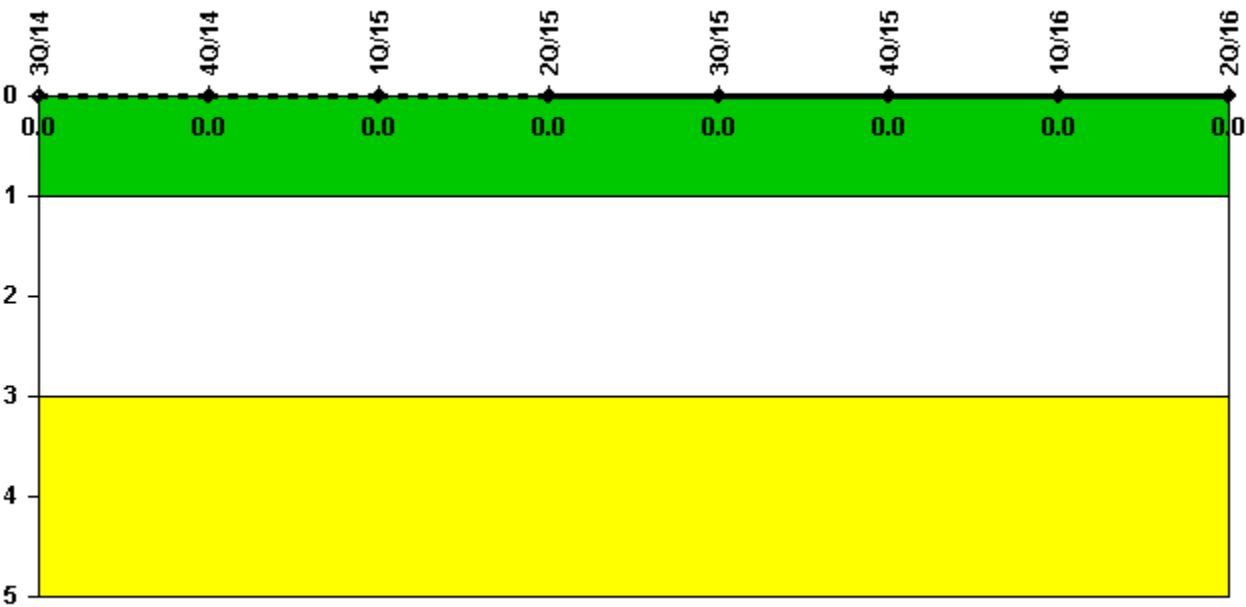
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

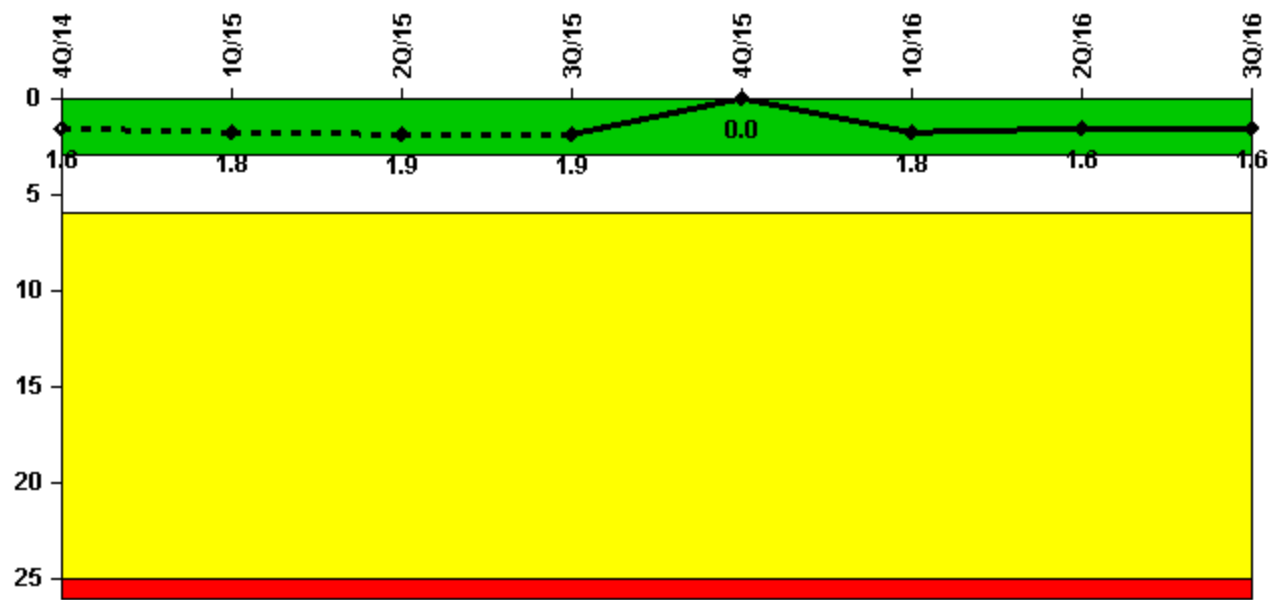
Perry 1

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



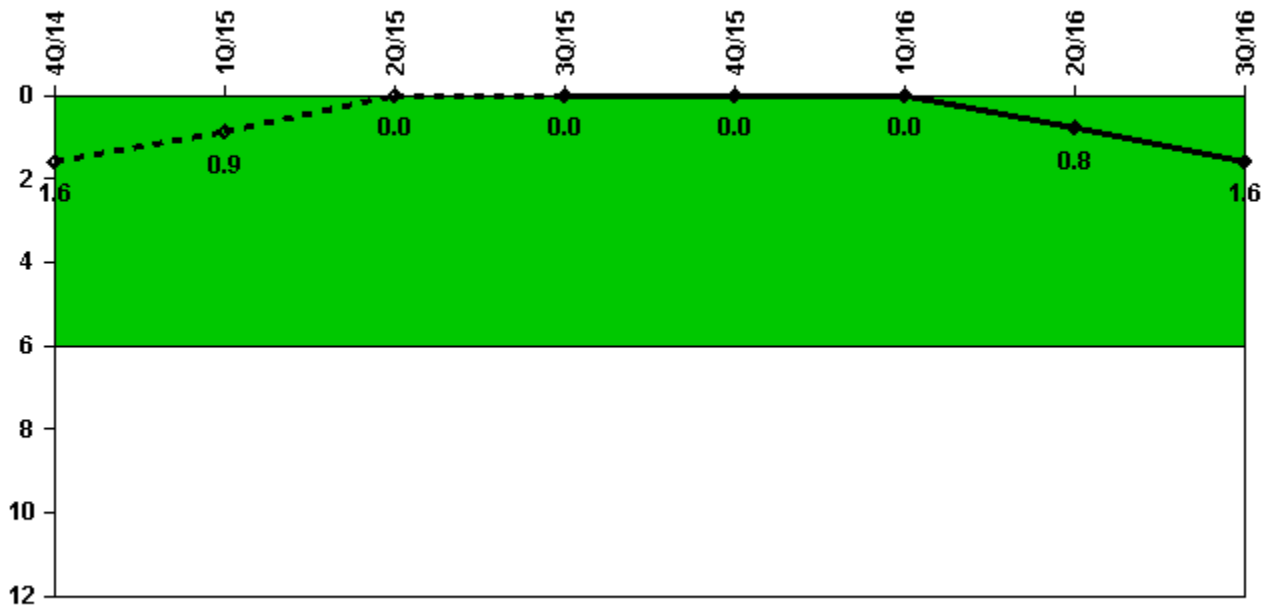
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	2.0	0	0
Critical hours	1978.2	1607.7	1642.2	2208.0	2209.0	1913.7	2184.0	2208.0
Indicator value	1.6	1.8	1.9	1.9	0	1.8	1.6	1.6

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



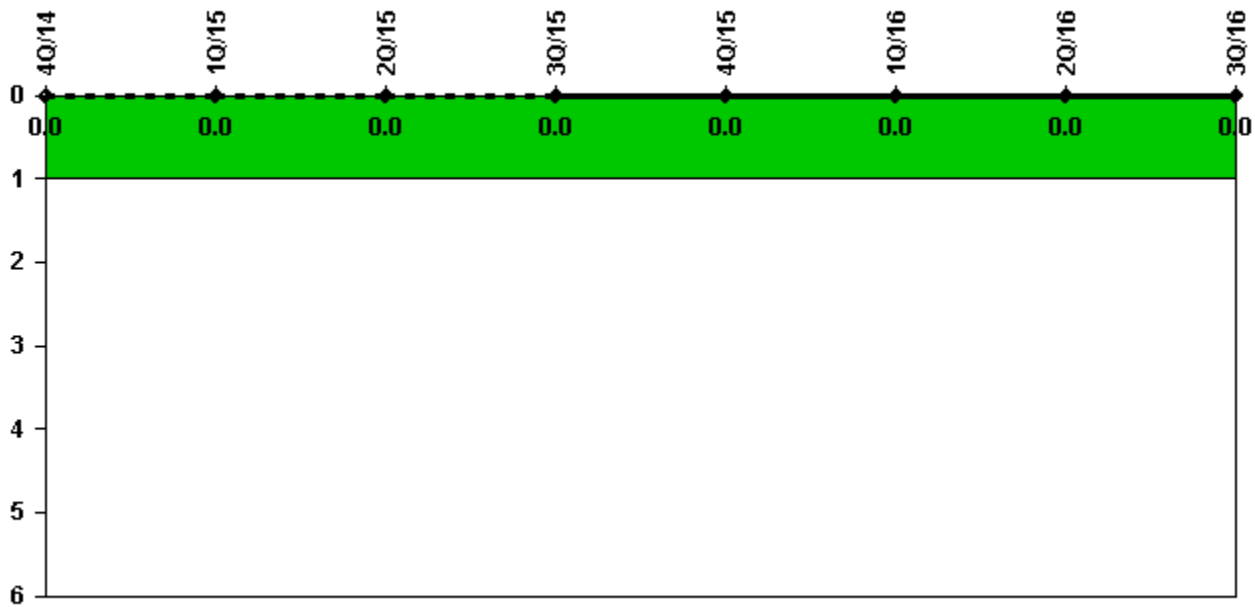
Thresholds: White > 6.0

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	1.0	1.0
Critical hours	1978.2	1607.7	1642.2	2208.0	2209.0	1913.7	2184.0	2208.0
Indicator value	1.6	0.9	0	0	0	0	0.8	1.6

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

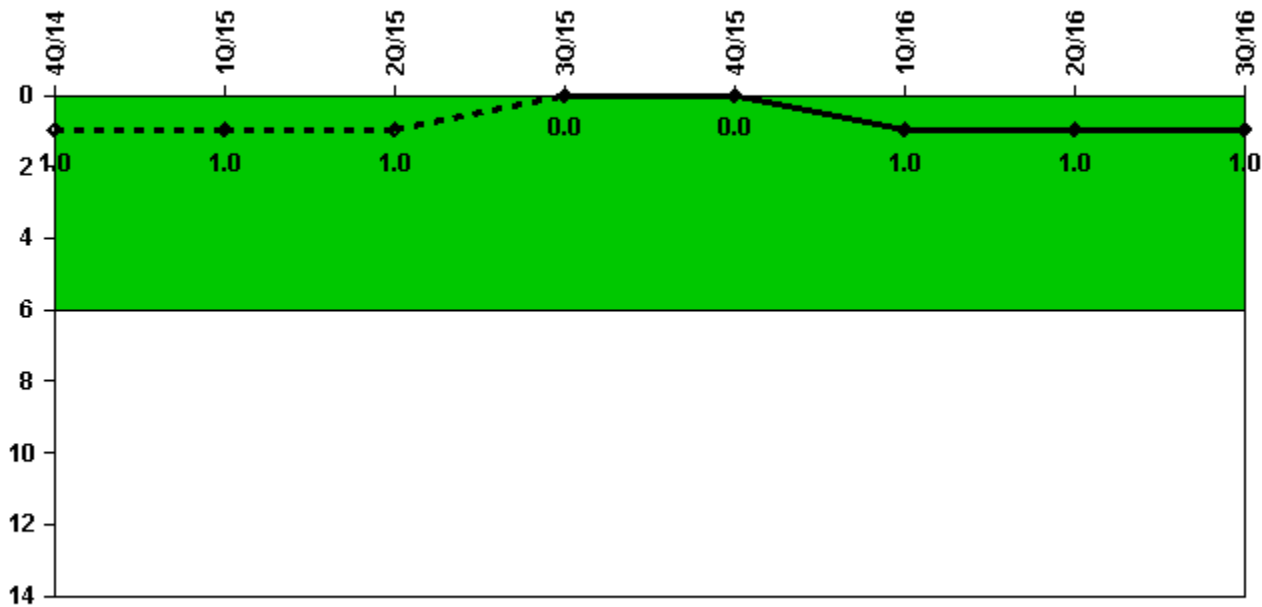
Notes

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:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

Safety System Functional Failures (BWR)



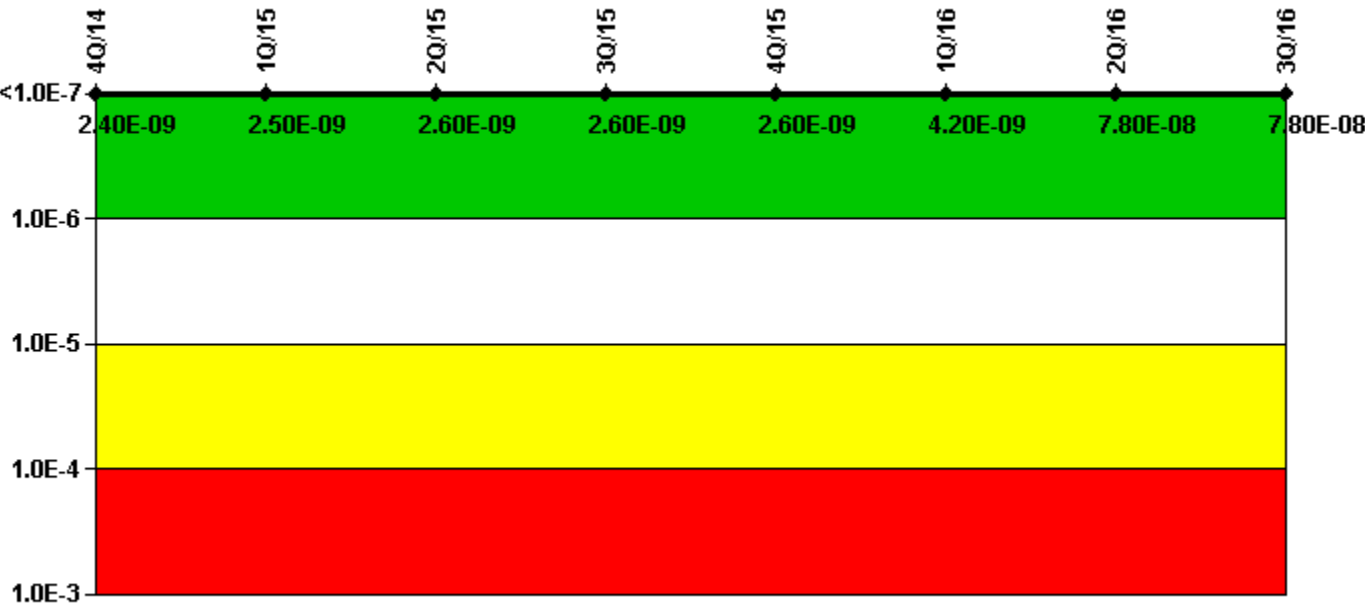
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	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	1	0	0
Indicator value	1	1	1	0	0	1	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

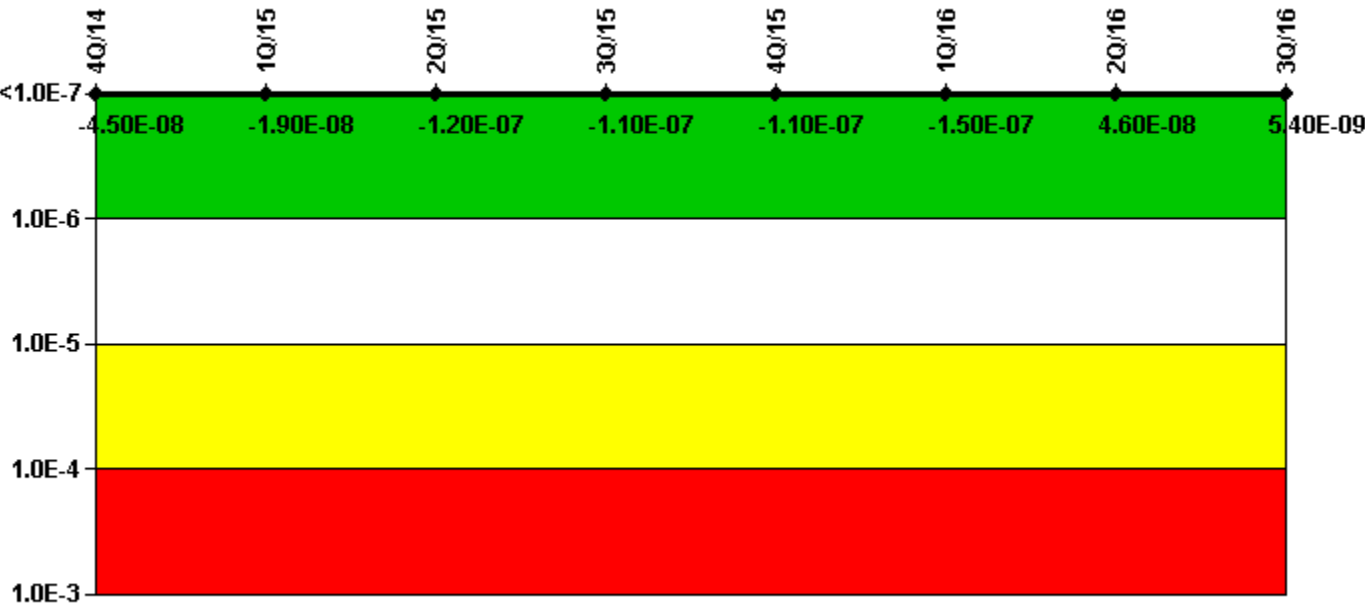
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-3.76E-09	-3.66E-09	-3.58E-09	-3.58E-09	-3.58E-09	-1.72E-09	-1.93E-09	-1.87E-09
URI (ΔCDF)	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	5.94E-09	7.98E-08	7.98E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.40E-09	2.50E-09	2.60E-09	2.60E-09	2.60E-09	4.20E-09	7.80E-08	7.80E-08

Licensee Comments:

4Q/14: 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

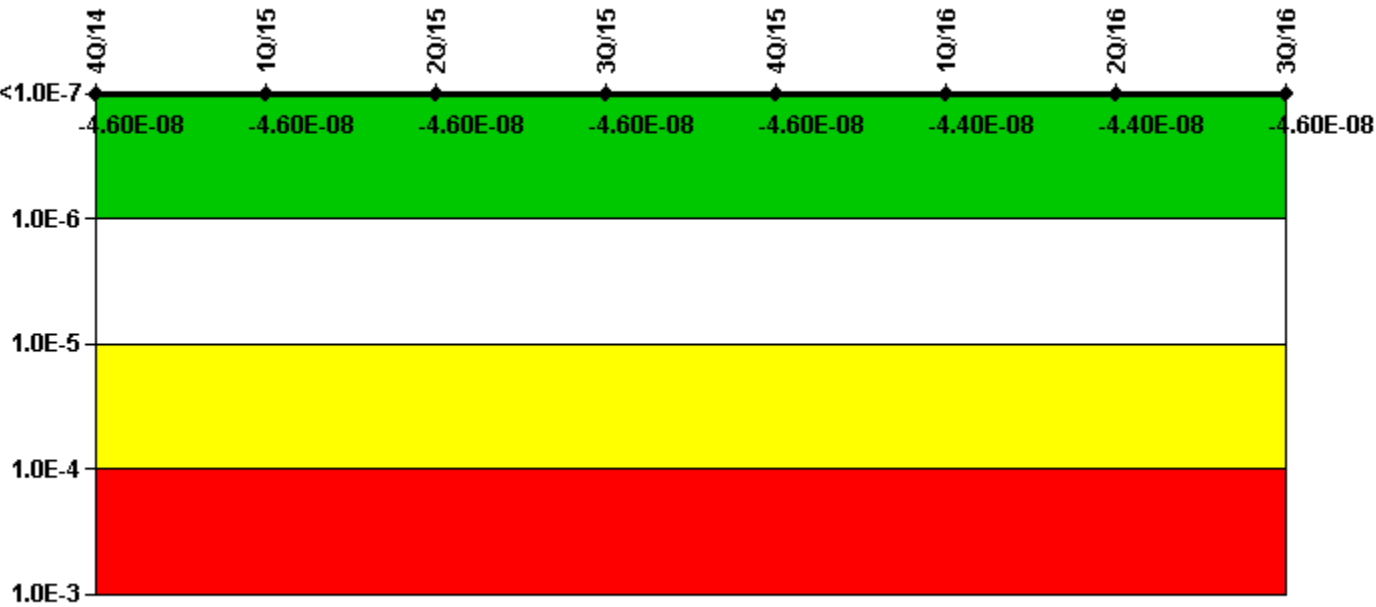
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	9.17E-08	1.18E-07	2.07E-08	2.45E-08	2.29E-08	-1.23E-08	1.82E-07	1.41E-07
URI (ΔCDF)	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.36E-07	-1.36E-07	-1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-08	-1.90E-08	-1.20E-07	-1.10E-07	-1.10E-07	-1.50E-07	4.60E-08	5.40E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

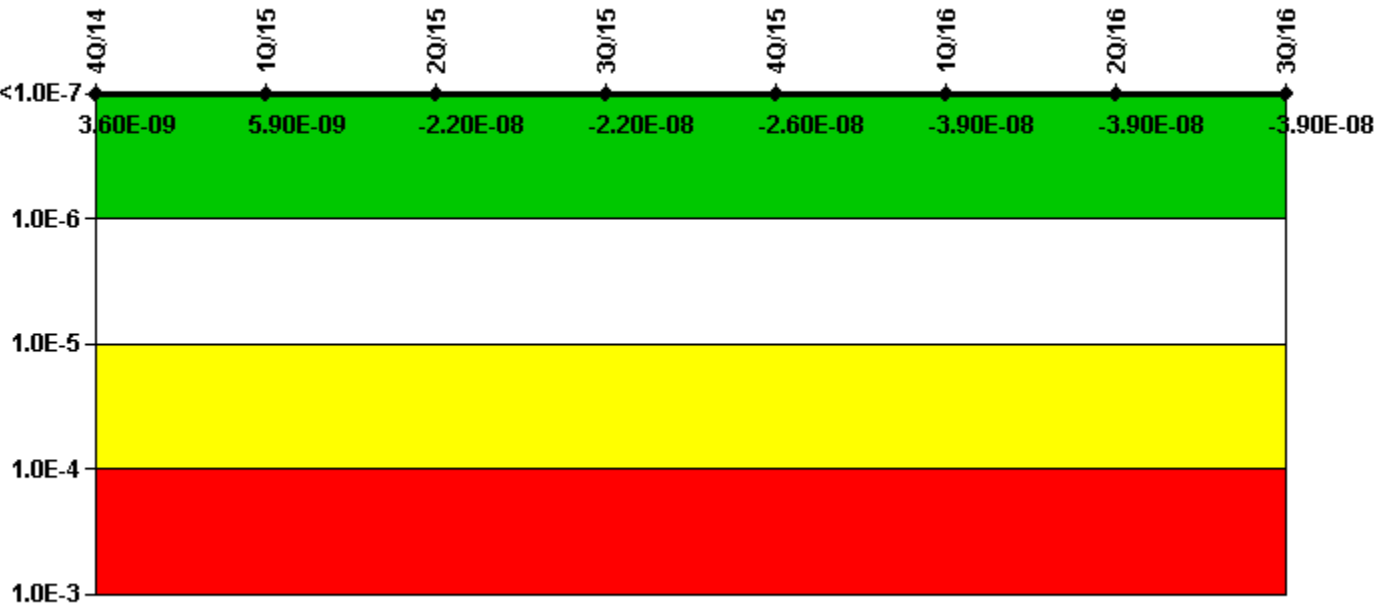
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-1.10E-08	-1.07E-08	-1.07E-08	-1.04E-08	-1.04E-08	-1.04E-08	-1.05E-08	-1.26E-08
URI (ΔCDF)	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.37E-08	-3.37E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.40E-08	-4.40E-08	-4.60E-08

Licensee Comments:

4Q/14: 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

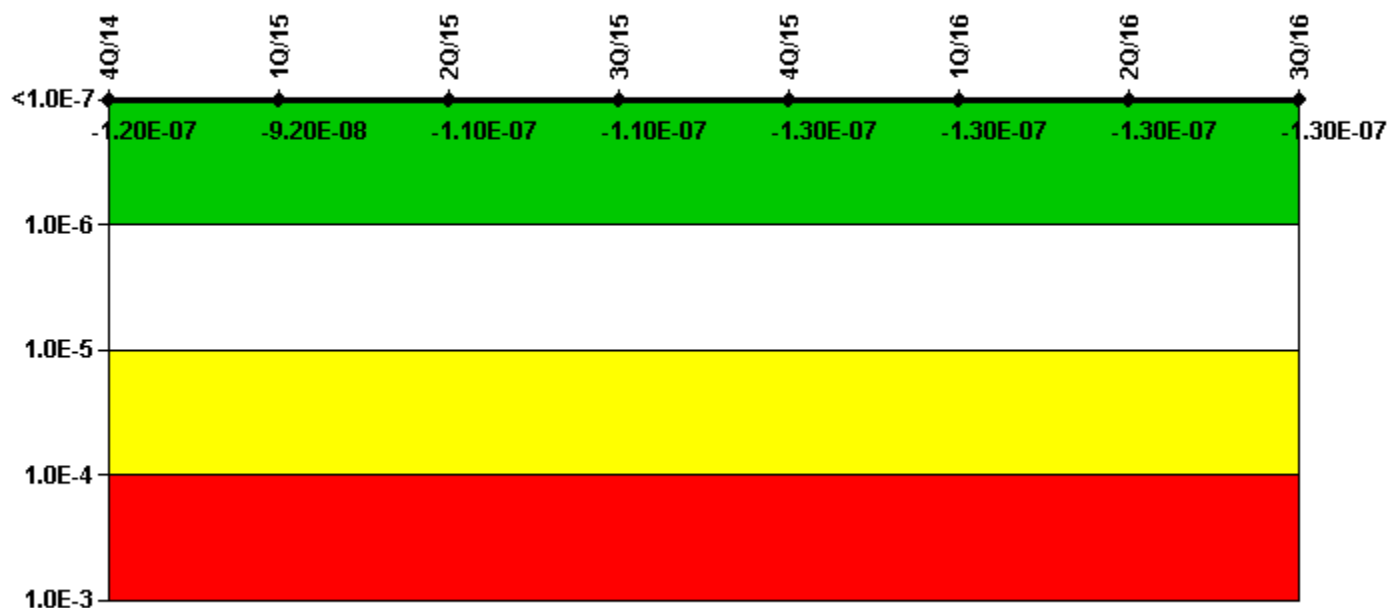
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	2.42E-08	2.66E-08	-1.30E-09	-1.66E-09	-5.13E-09	-1.87E-08	-1.87E-08	-1.87E-08
URI (ΔCDF)	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.60E-09	5.90E-09	-2.20E-08	-2.20E-08	-2.60E-08	-3.90E-08	-3.90E-08	-3.90E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

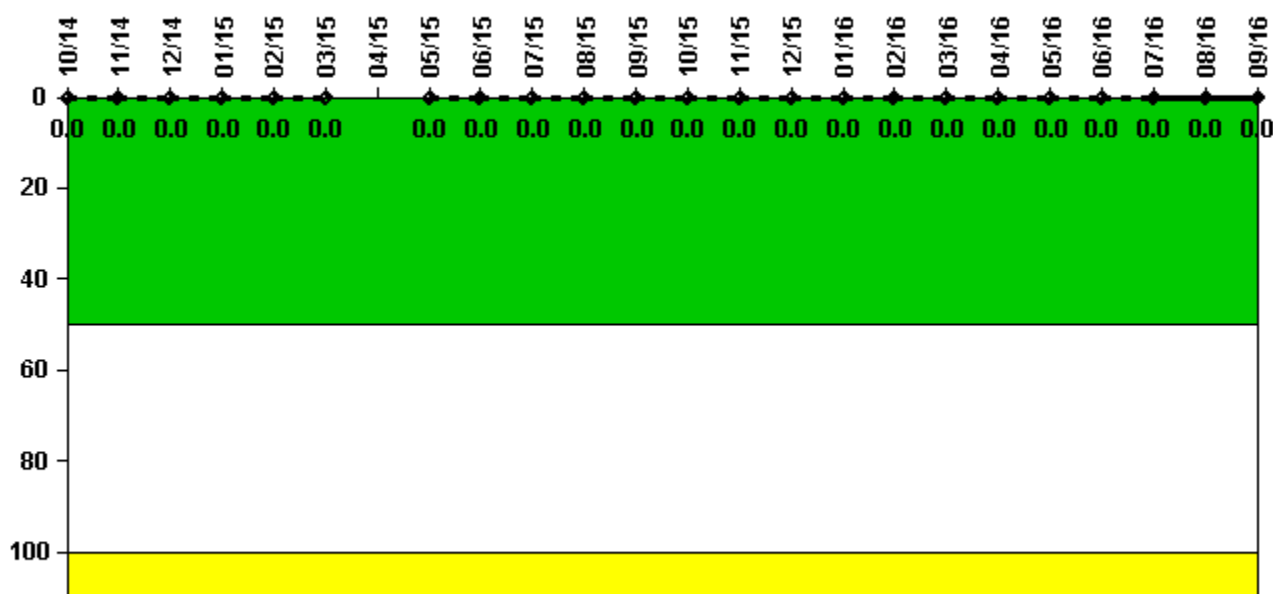
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-3.30E-08	-5.14E-09	-2.00E-08	-2.00E-08	-4.07E-08	-3.96E-08	-3.96E-08	-4.51E-08
URI (Δ CDF)	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-9.20E-08	-1.10E-07	-1.10E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

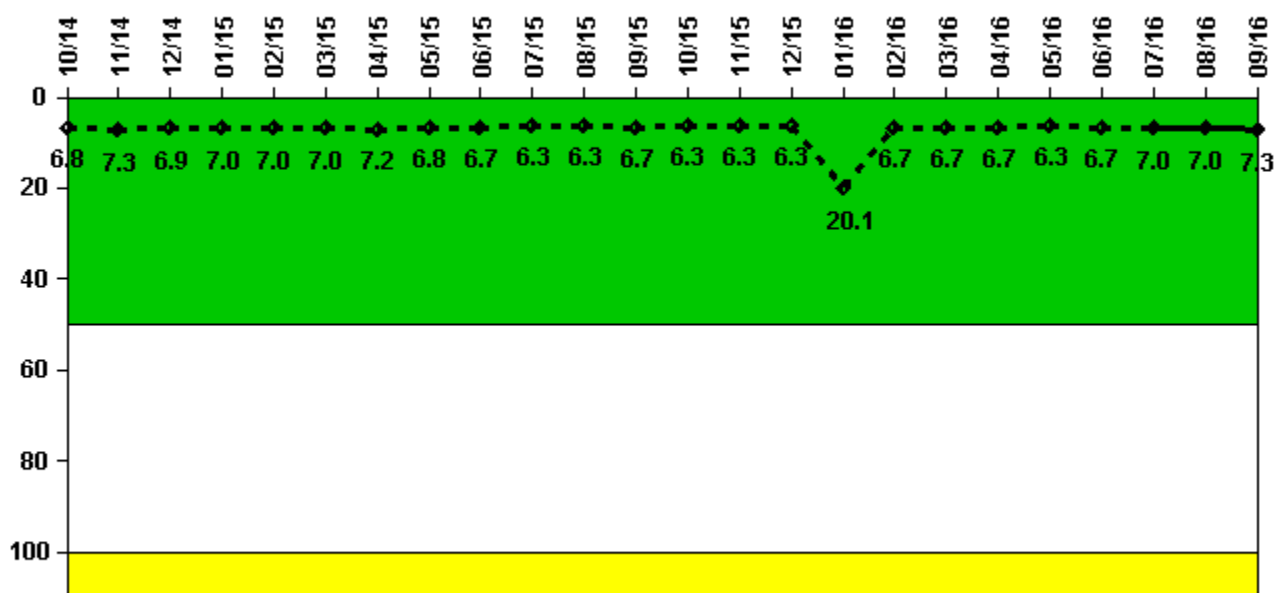
Notes

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	0.000044	0.000020	0.000026	0.000022	0.000020	0.000019	N/A	0.000018	0.000010	0.000012	0.000017	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	N/A	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	0.000019	0.000015	0.000016	0.000018	0.000014	0.000012	0.000014	0.000015	0.000013	0.000017	0.000018	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

6/15: The May 2015 data was revised due to a misread value. The revised value does not change the color of the indicator. CR 2015-15391

Reactor Coolant System Leakage



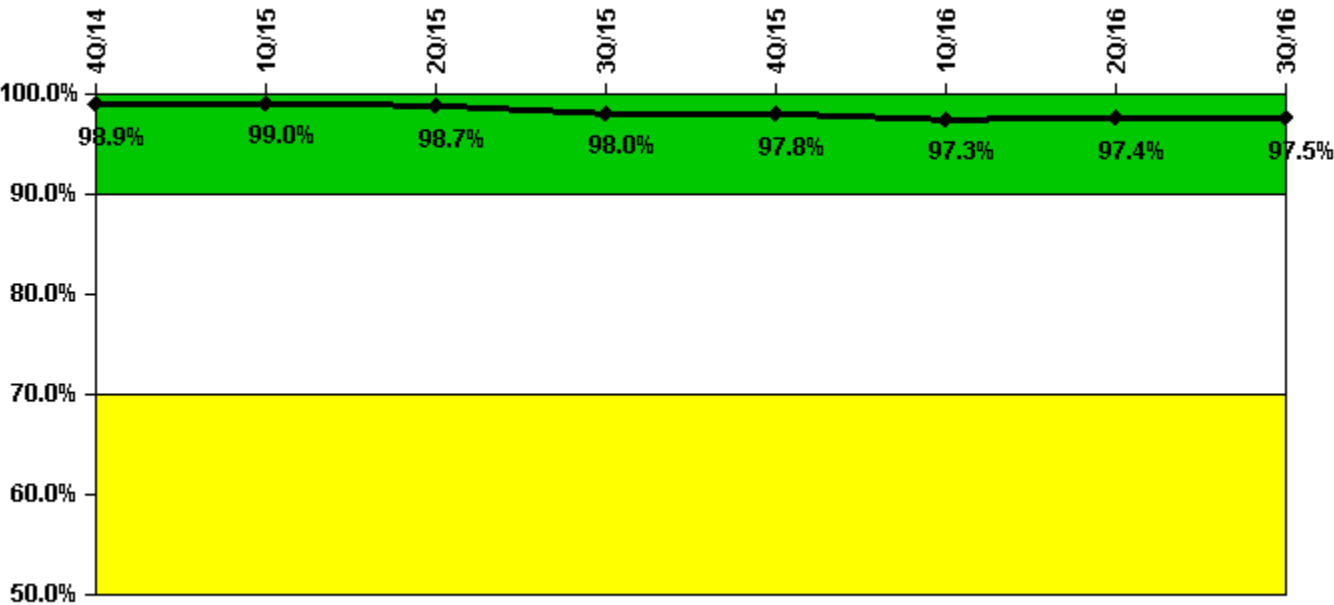
Thresholds: White > 50.0 Yellow > 100.0

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	2.030	2.200	2.080	2.100	2.100	2.100	2.160	2.050	2.000	1.900	1.900	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.8	7.3	6.9	7.0	7.0	7.0	7.2	6.8	6.7	6.3	6.3	6.7
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	1.900	1.900	1.900	6.020	2.000	2.000	2.010	1.900	2.000	2.100	2.100	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.3	6.3	20.1	6.7	6.7	6.7	6.3	6.7	7.0	7.0	7.3

Licensee Comments: none

Drill/Exercise Performance



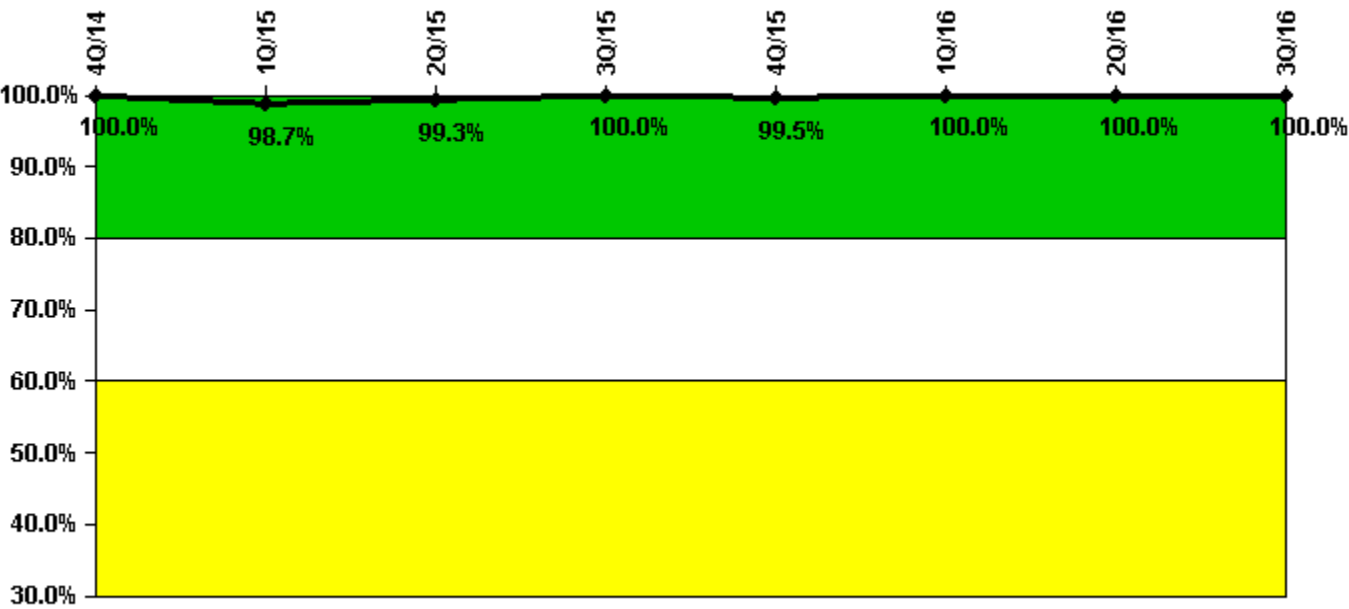
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	10.0	22.0	39.0	48.0	37.0	36.0	44.0	35.0
Total opportunities	10.0	22.0	40.0	50.0	38.0	38.0	44.0	36.0
Indicator value	98.9%	99.0%	98.7%	98.0%	97.8%	97.3%	97.4%	97.5%

Licensee Comments: none

ERO Drill Participation



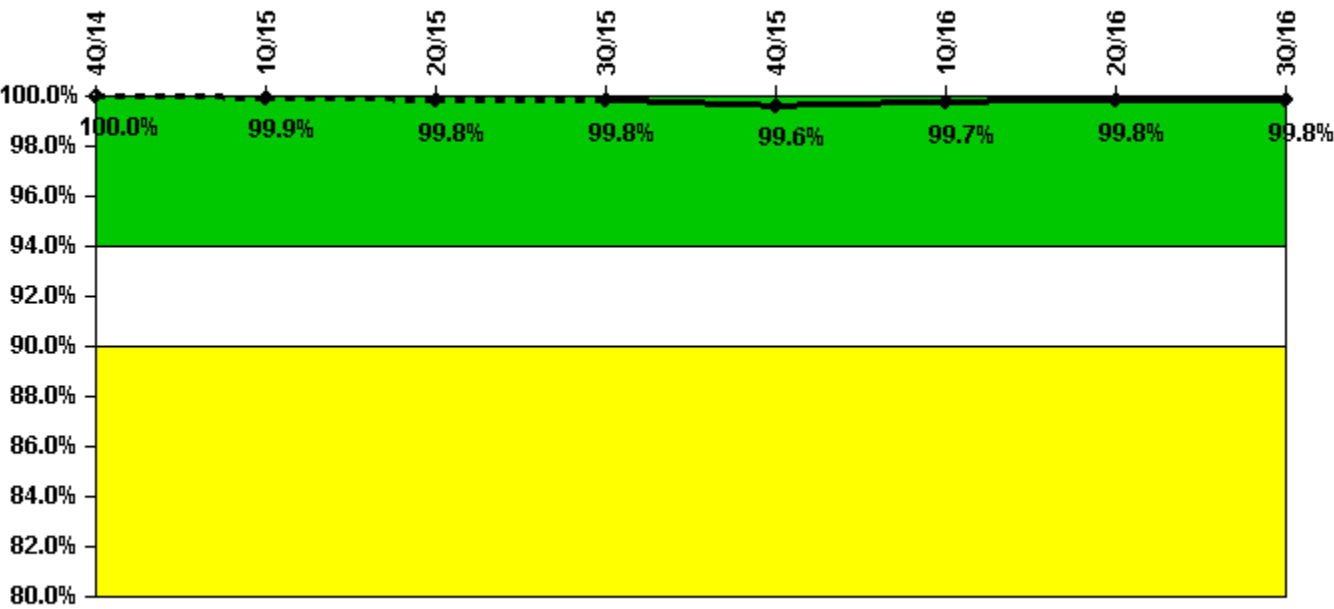
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	156.0	153.0	150.0	164.0	183.0	179.0	179.0	183.0
Total Key personnel	156.0	155.0	151.0	164.0	184.0	179.0	179.0	183.0
Indicator value	100.0%	98.7%	99.3%	100.0%	99.5%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



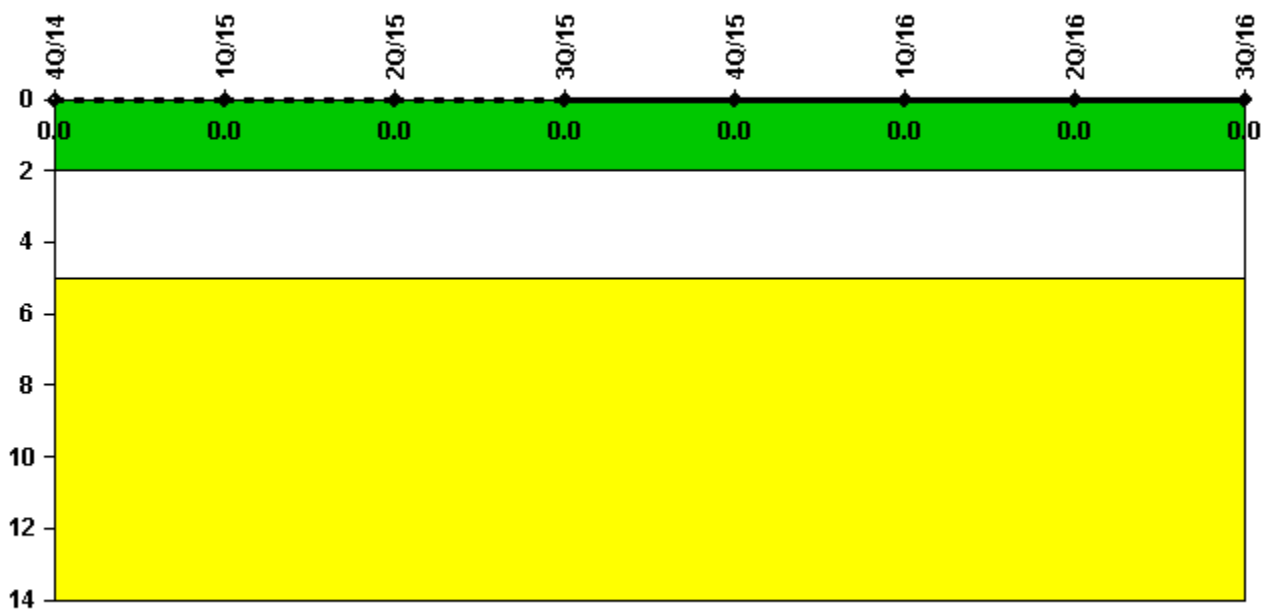
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	520	454	454	532	1059	987	988	980
Total sirens-tests	520	456	456	532	1064	988	988	981
Indicator value	100.0%	99.9%	99.8%	99.8%	99.6%	99.7%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



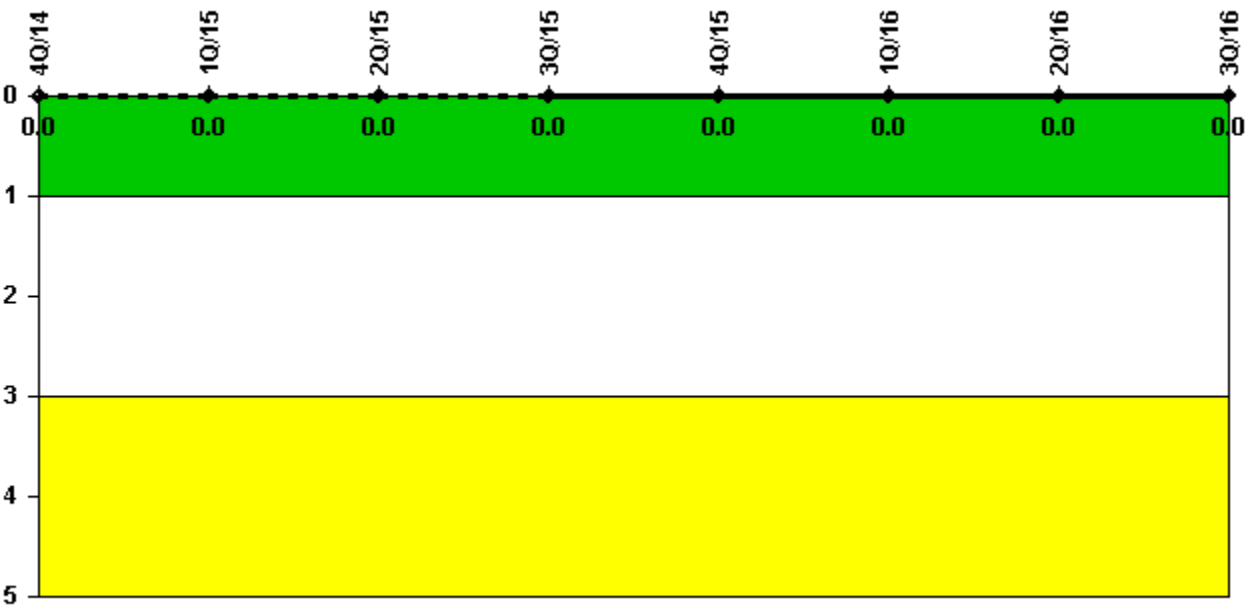
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

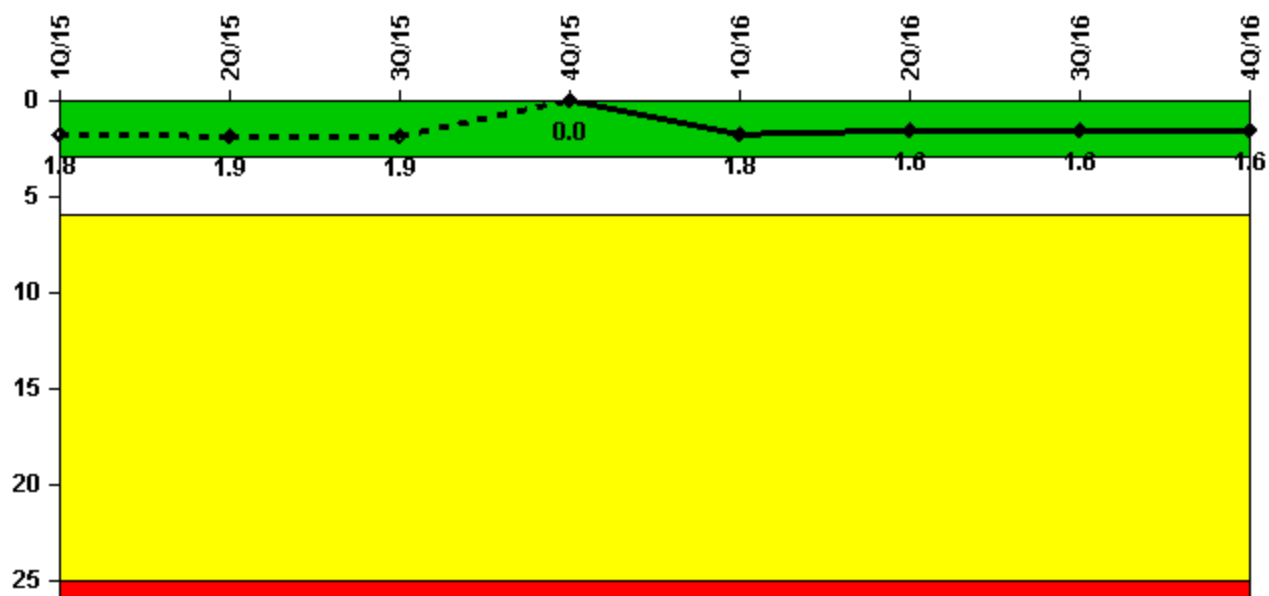
Perry 1

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



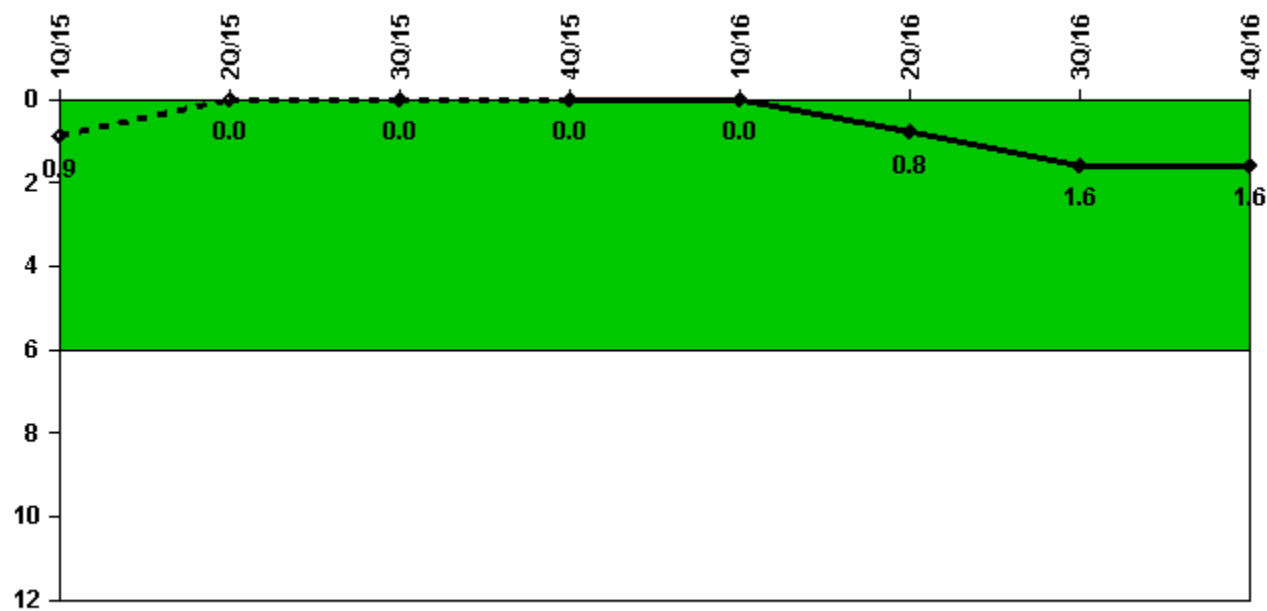
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0
Critical hours	1607.7	1642.2	2208.0	2209.0	1913.7	2184.0	2208.0	2209.0
Indicator value	1.8	1.9	1.9	0	1.8	1.6	1.6	1.6

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



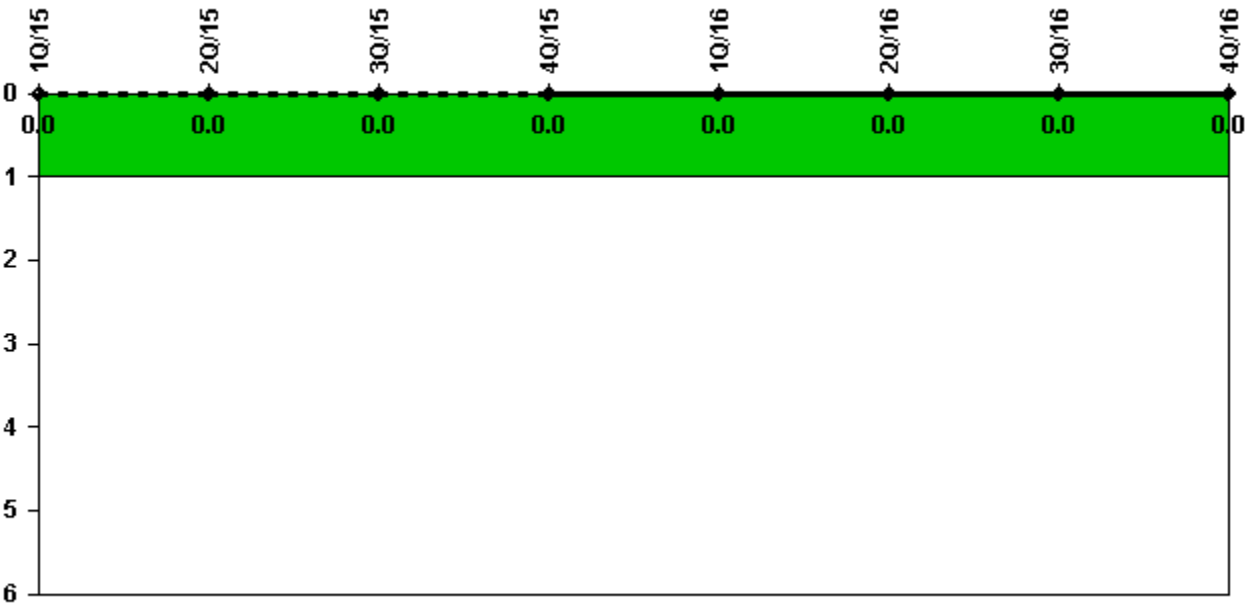
Thresholds: White > 6.0

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	1.0	1.0	0
Critical hours	1607.7	1642.2	2208.0	2209.0	1913.7	2184.0	2208.0	2209.0
Indicator value	0.9	0	0	0	0	0.8	1.6	1.6

Licensee Comments: none

Unplanned Scrams with Complications



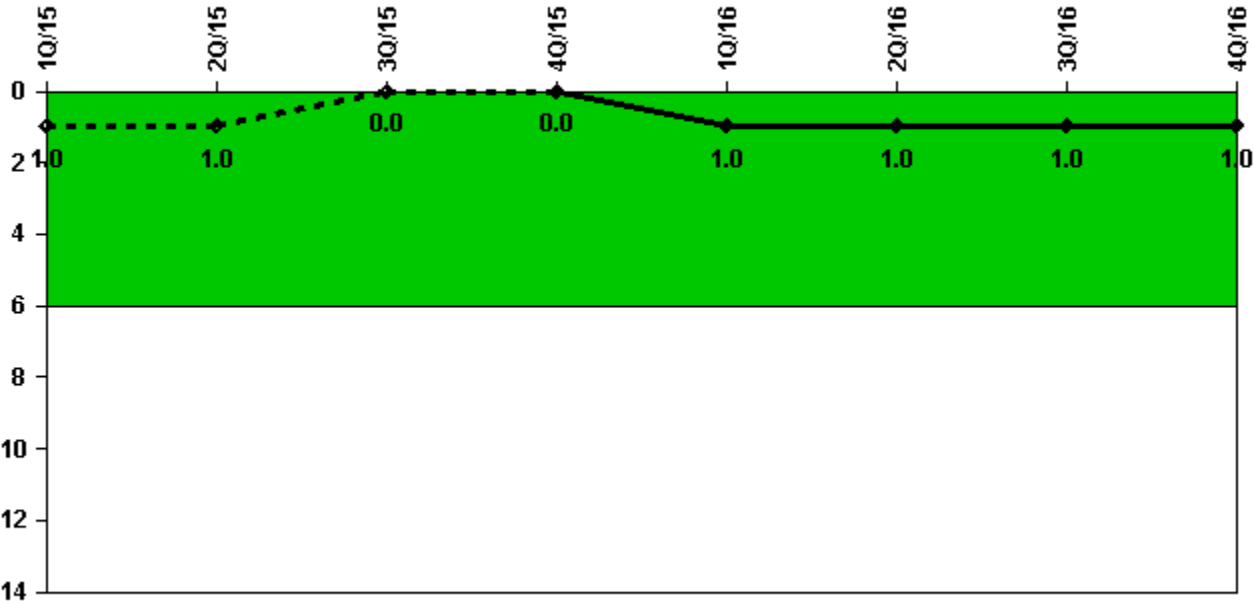
Thresholds: White > 1.0

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 (BWR)



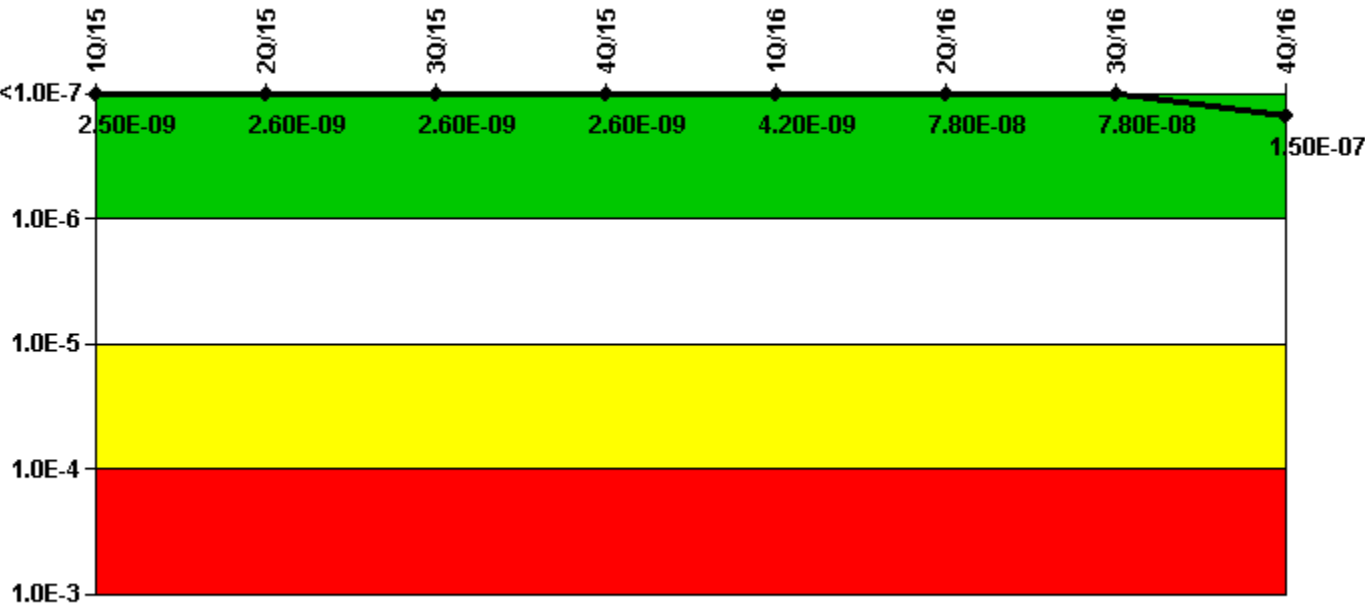
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	1	1	0	0	1	1	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



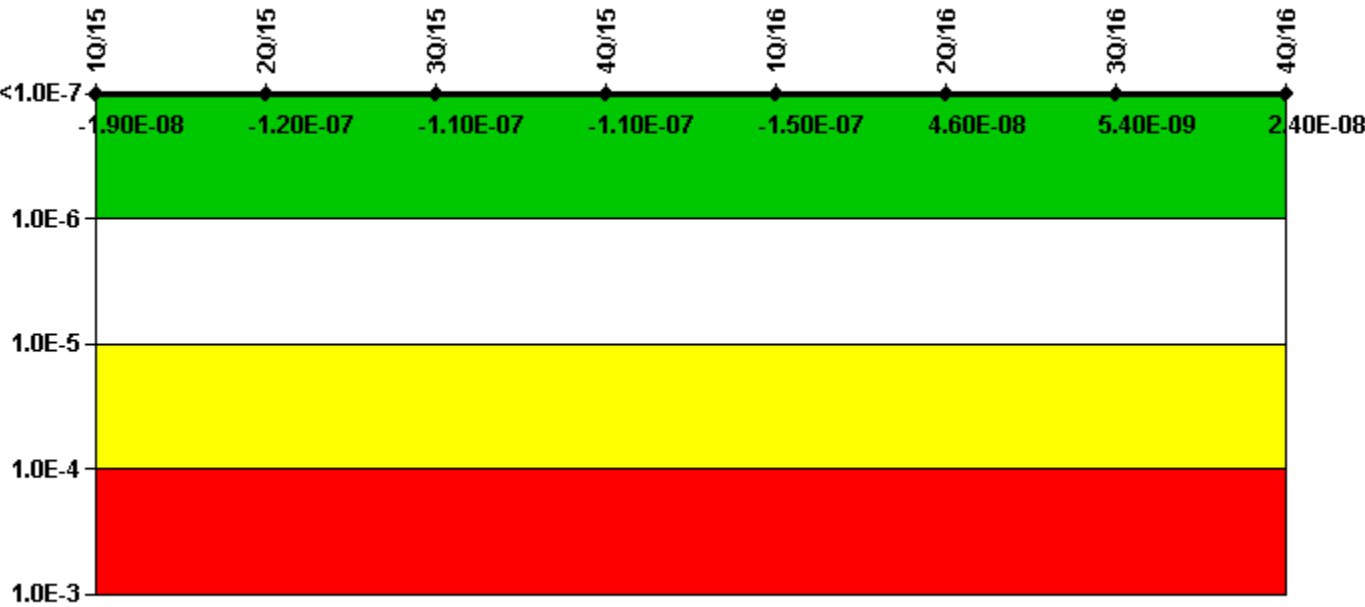
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-3.66E-09	-3.58E-09	-3.58E-09	-3.58E-09	-1.72E-09	-1.93E-09	-1.87E-09	-1.43E-09
URI (ΔCDF)	6.14E-09	6.14E-09	6.14E-09	6.14E-09	5.94E-09	7.98E-08	7.98E-08	1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.50E-09	2.60E-09	2.60E-09	2.60E-09	4.20E-09	7.80E-08	7.80E-08	1.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



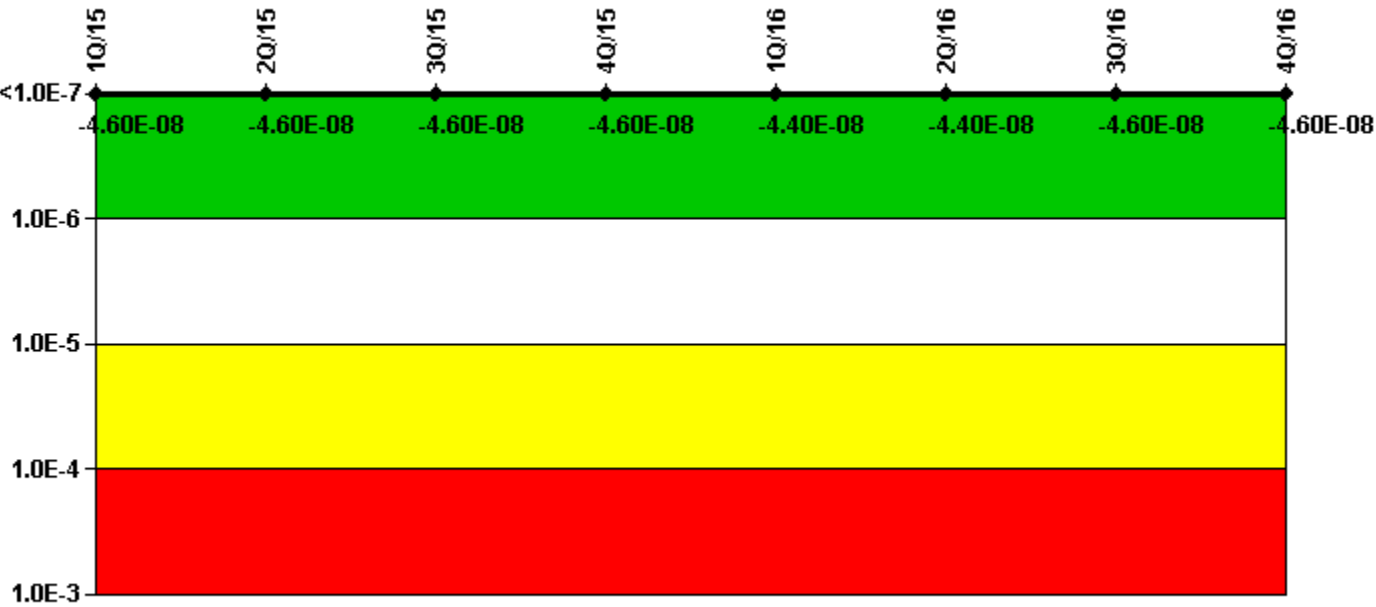
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	1.18E-07	2.07E-08	2.45E-08	2.29E-08	-1.23E-08	1.82E-07	1.41E-07	1.60E-07
URI (ΔCDF)	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.20E-07	-1.10E-07	-1.10E-07	-1.50E-07	4.60E-08	5.40E-09	2.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



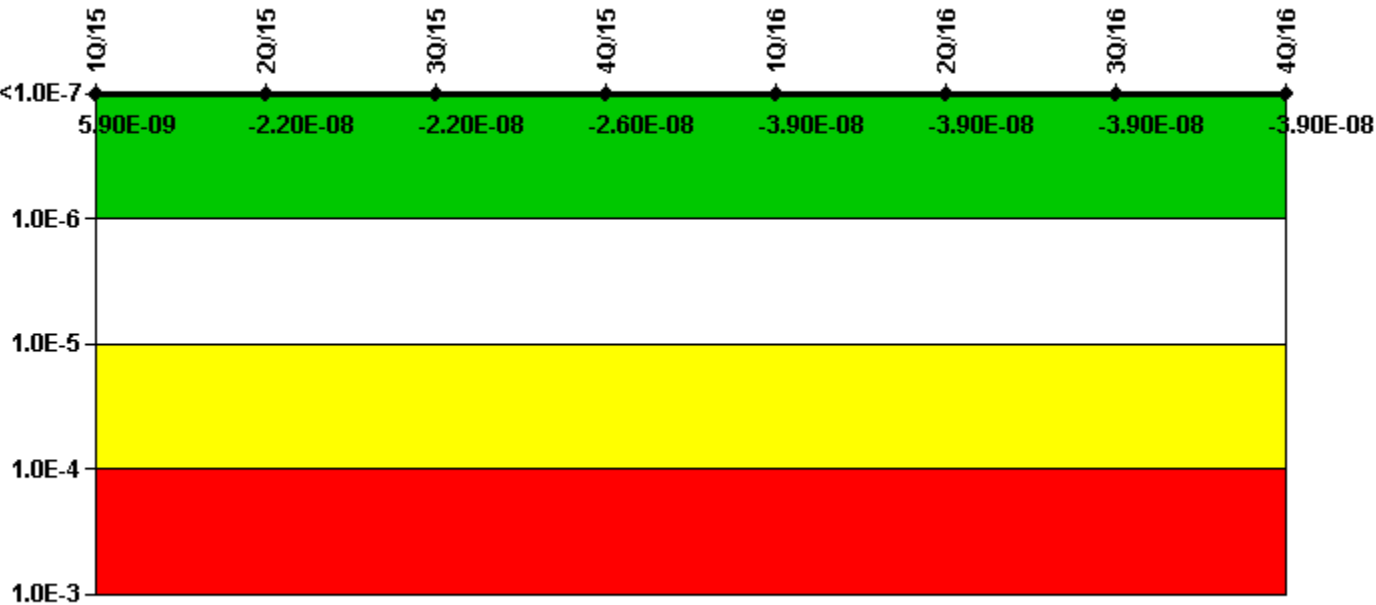
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-1.07E-08	-1.07E-08	-1.04E-08	-1.04E-08	-1.04E-08	-1.05E-08	-1.26E-08	-1.26E-08
URI (ΔCDF)	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.40E-08	-4.40E-08	-4.60E-08	-4.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



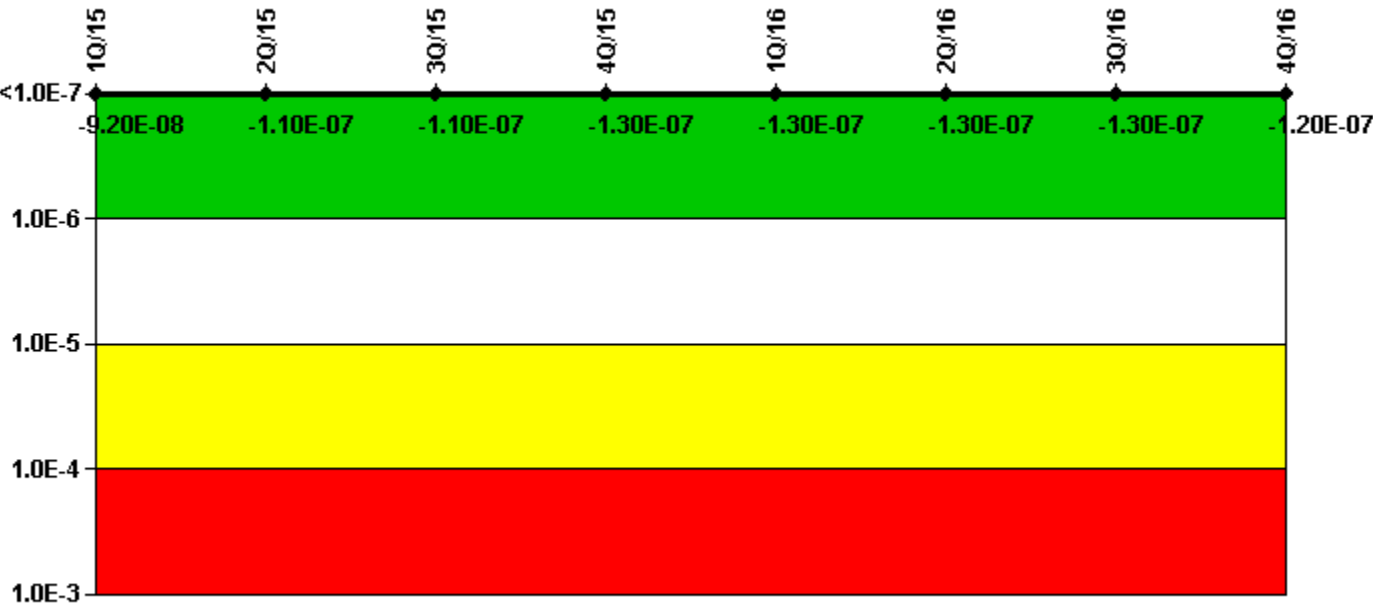
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	2.66E-08	-1.30E-09	-1.66E-09	-5.13E-09	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08
URI (ΔCDF)	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.90E-09	-2.20E-08	-2.20E-08	-2.60E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



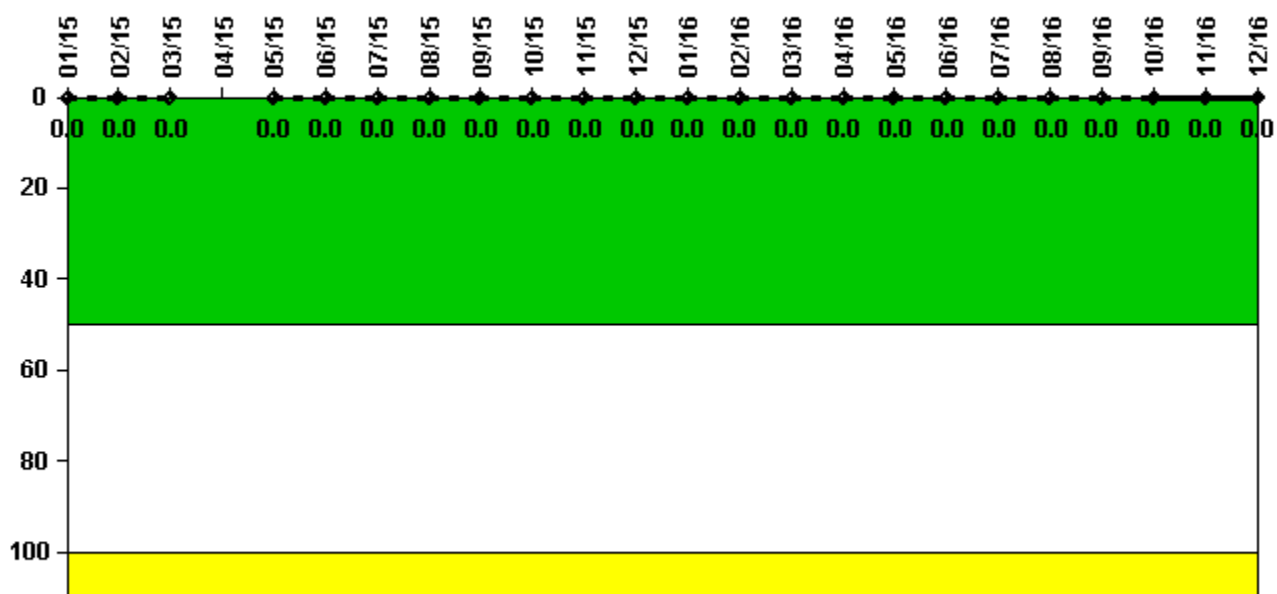
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-5.14E-09	-2.00E-08	-2.00E-08	-4.07E-08	-3.96E-08	-3.96E-08	-4.51E-08	-2.95E-08
URI (ΔCDF)	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.20E-08	-1.10E-07	-1.10E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

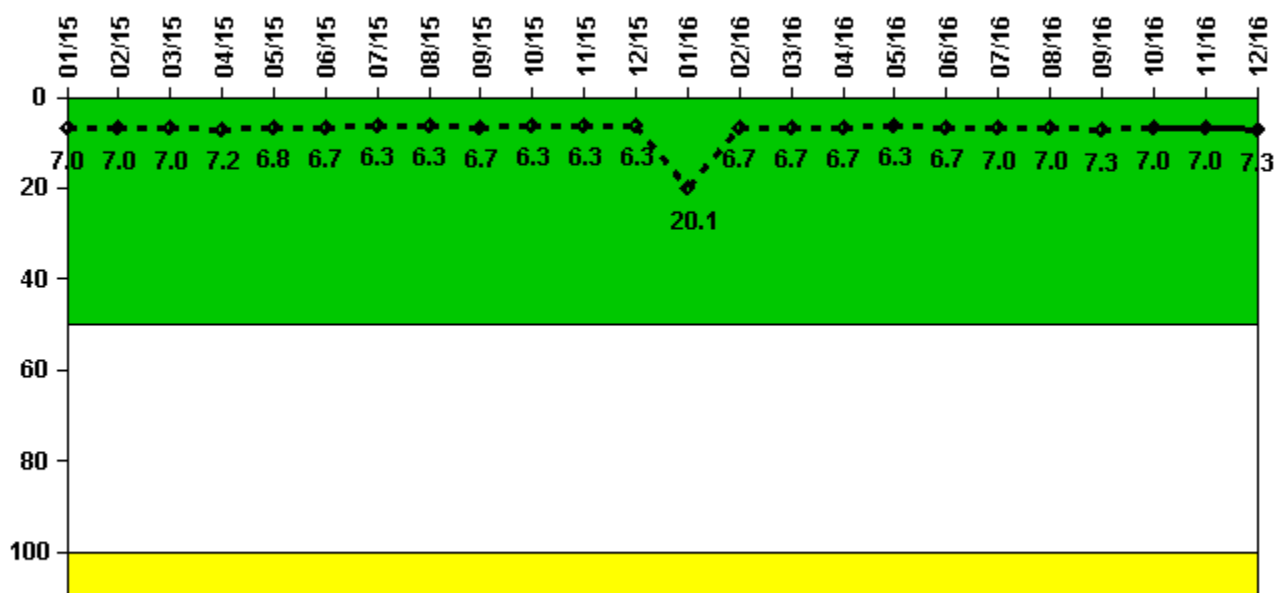
Notes

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	0.000022	0.000020	0.000019	N/A	0.000018	0.000010	0.000012	0.000017	0.000015	0.000019	0.000015	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	N/A	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	0.000018	0.000014	0.000012	0.000014	0.000015	0.000013	0.000017	0.000018	0.000014	0.000012	0.000012	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

6/15: The May 2015 data was revised due to a misread value. The revised value does not change the color of the indicator. CR 2015-15391

Reactor Coolant System Leakage



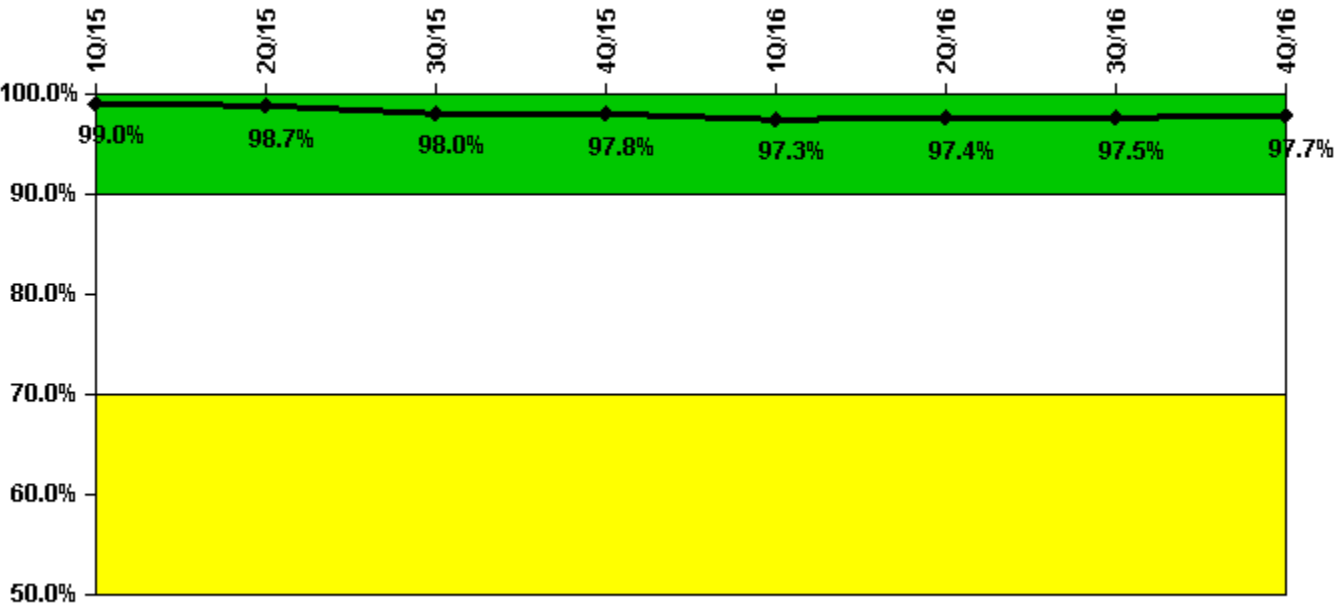
Thresholds: White > 50.0 Yellow > 100.0

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	2.100	2.100	2.100	2.160	2.050	2.000	1.900	1.900	2.000	1.900	1.900	1.900
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	7.0	7.0	7.2	6.8	6.7	6.3	6.3	6.7	6.3	6.3	6.3
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	6.020	2.000	2.000	2.010	1.900	2.000	2.100	2.100	2.200	2.100	2.100	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	20.1	6.7	6.7	6.7	6.3	6.7	7.0	7.0	7.3	7.0	7.0	7.3

Licensee Comments: none

Drill/Exercise Performance



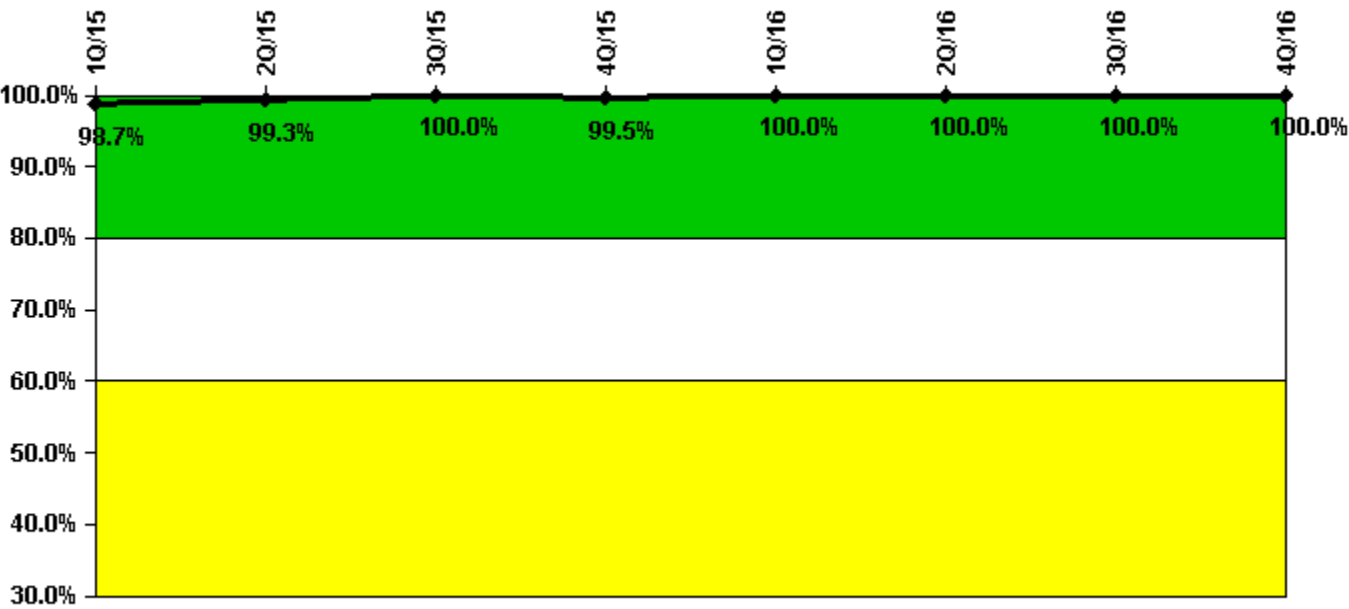
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	22.0	39.0	48.0	37.0	36.0	44.0	35.0	30.0
Total opportunities	22.0	40.0	50.0	38.0	38.0	44.0	36.0	30.0
Indicator value	99.0%	98.7%	98.0%	97.8%	97.3%	97.4%	97.5%	97.7%

Licensee Comments: none

ERO Drill Participation



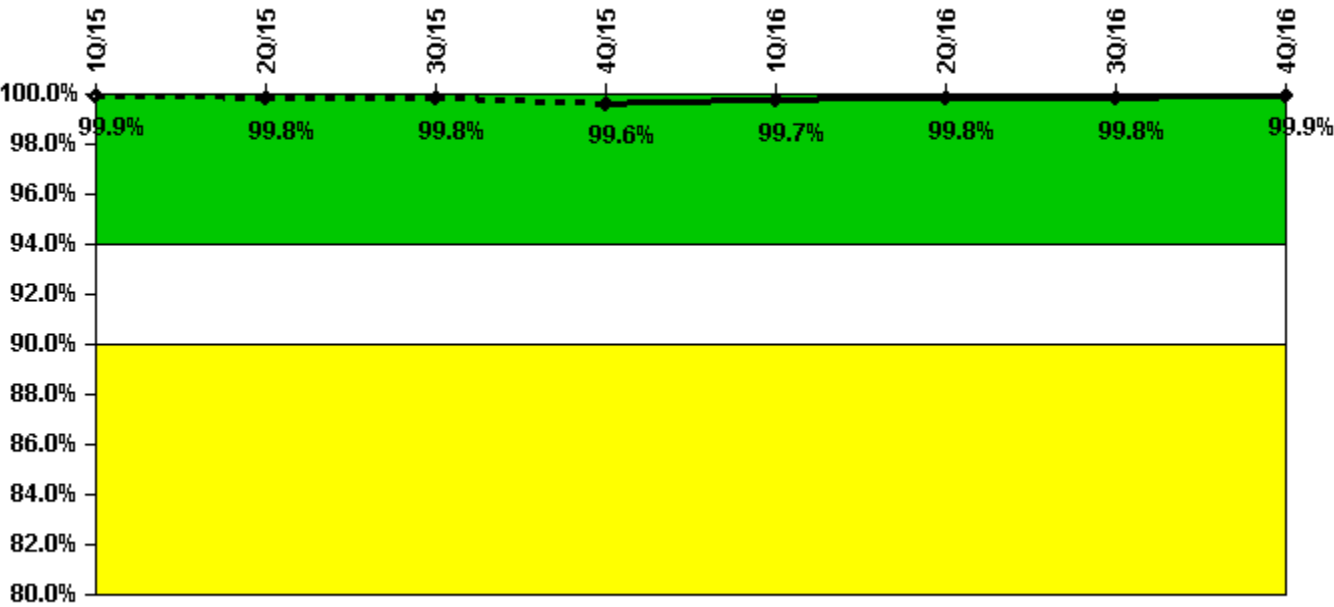
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	153.0	150.0	164.0	183.0	179.0	179.0	183.0	188.0
Total Key personnel	155.0	151.0	164.0	184.0	179.0	179.0	183.0	188.0
Indicator value	98.7%	99.3%	100.0%	99.5%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



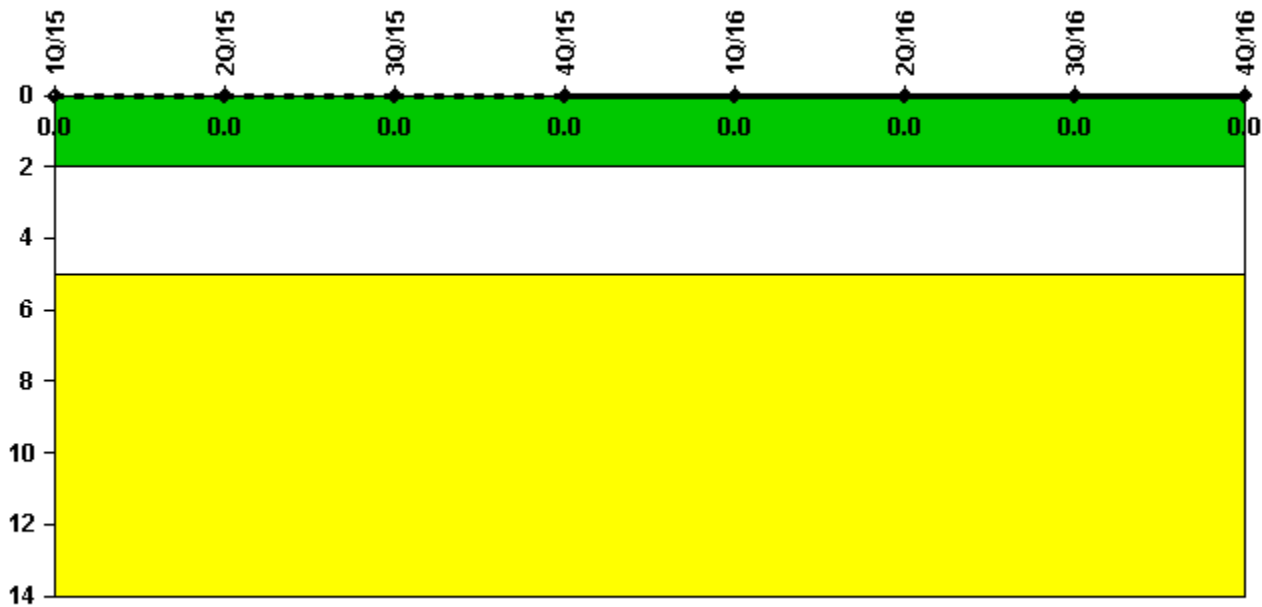
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	454	454	532	1059	987	988	980	988
Total sirens-tests	456	456	532	1064	988	988	981	988
Indicator value	99.9%	99.8%	99.8%	99.6%	99.7%	99.8%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



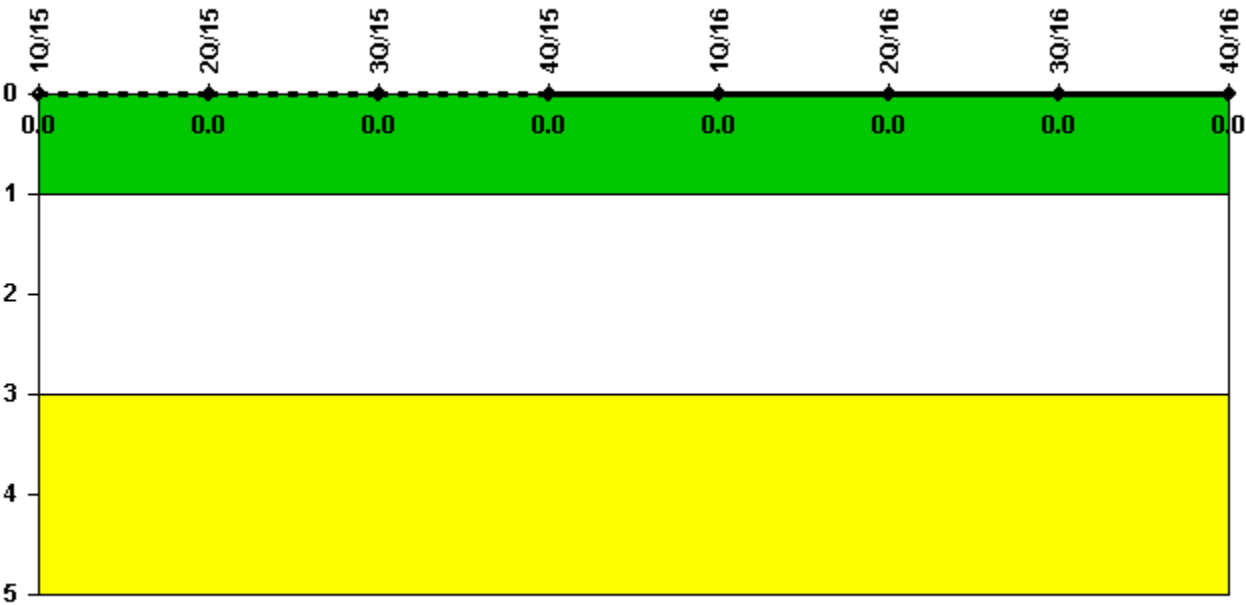
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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> Perry 1 > Quarterly Performance Indicators

Perry 1 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

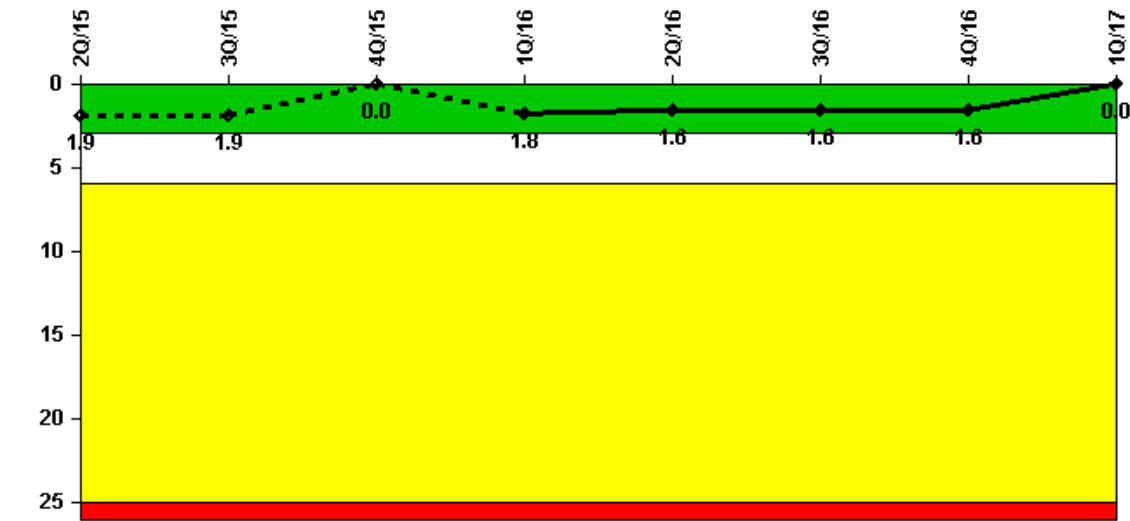
The solid trend line represents the current reporting period.

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/OCDE Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

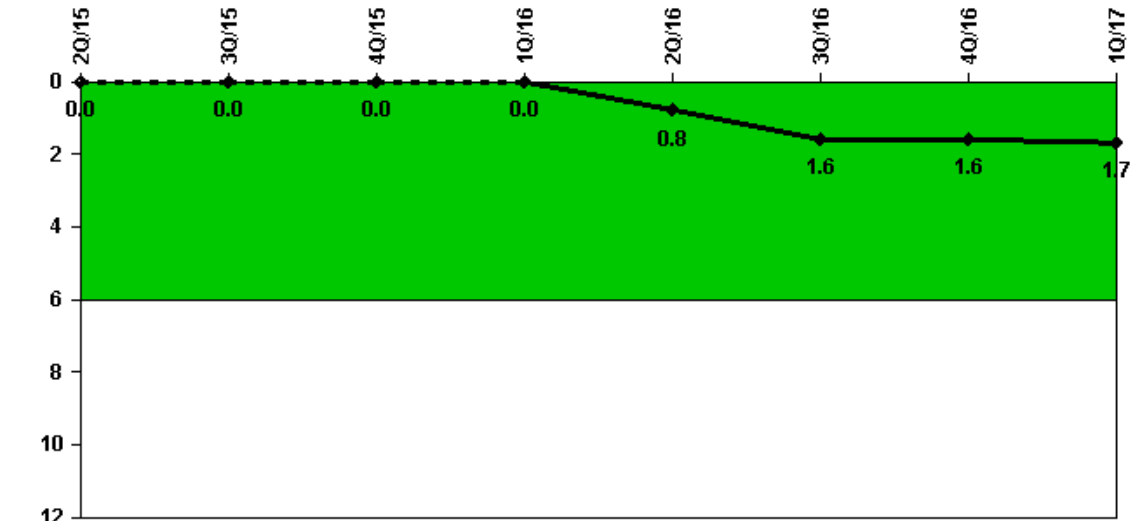
Notes

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	2.0	0	0	0	0
Critical hours	1642.2	2208.0	2209.0	1913.7	2184.0	2208.0	2209.0	1513.1
Indicator value	1.9	1.9	0	1.8	1.6	1.6	1.6	0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

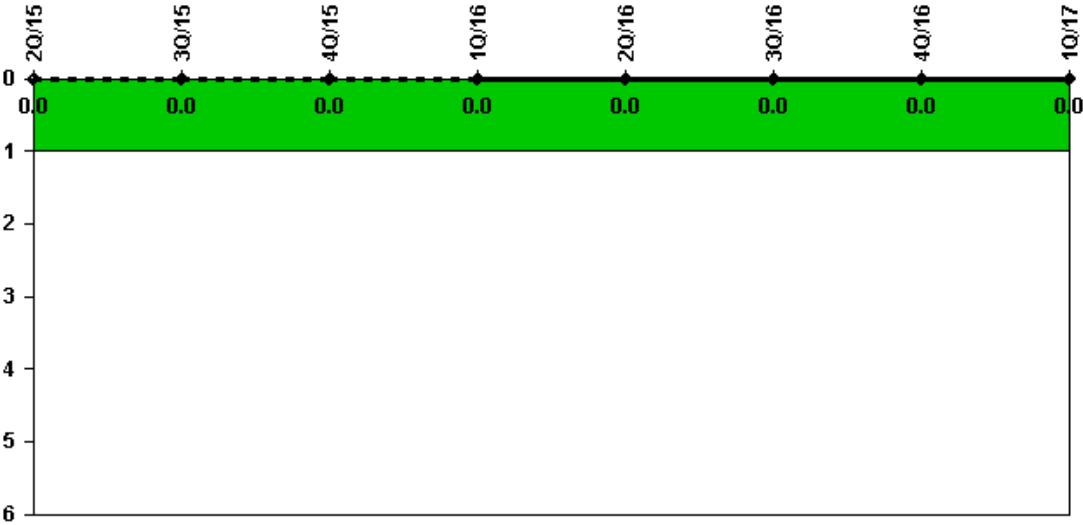
Notes

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	1.0	1.0	0	0
Critical hours	1642.2	2208.0	2209.0	1913.7	2184.0	2208.0	2209.0	1513.1
Indicator value	0	0	0	0	0.8	1.6	1.6	1.7

TOP

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

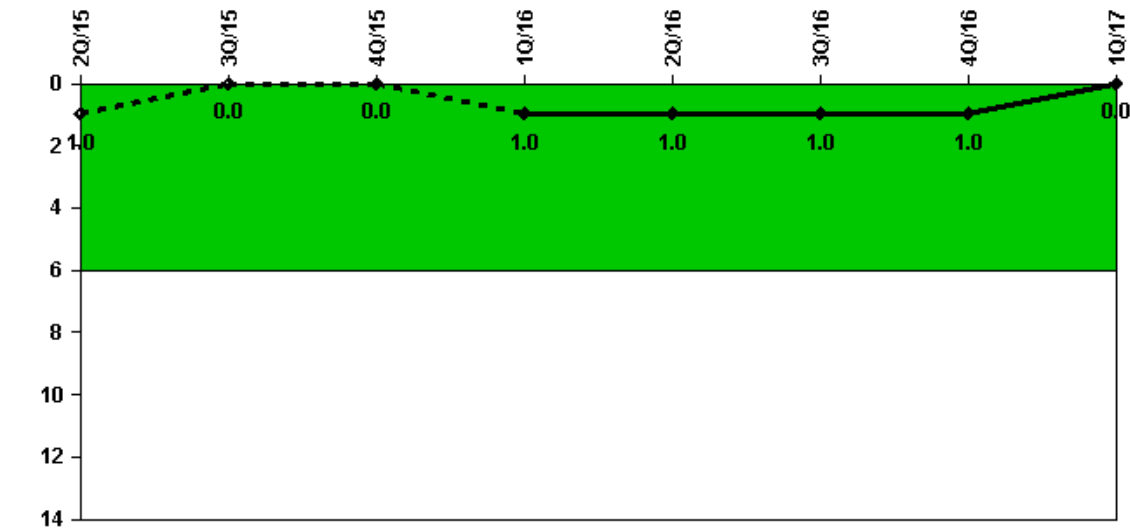
Notes

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

TOP

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

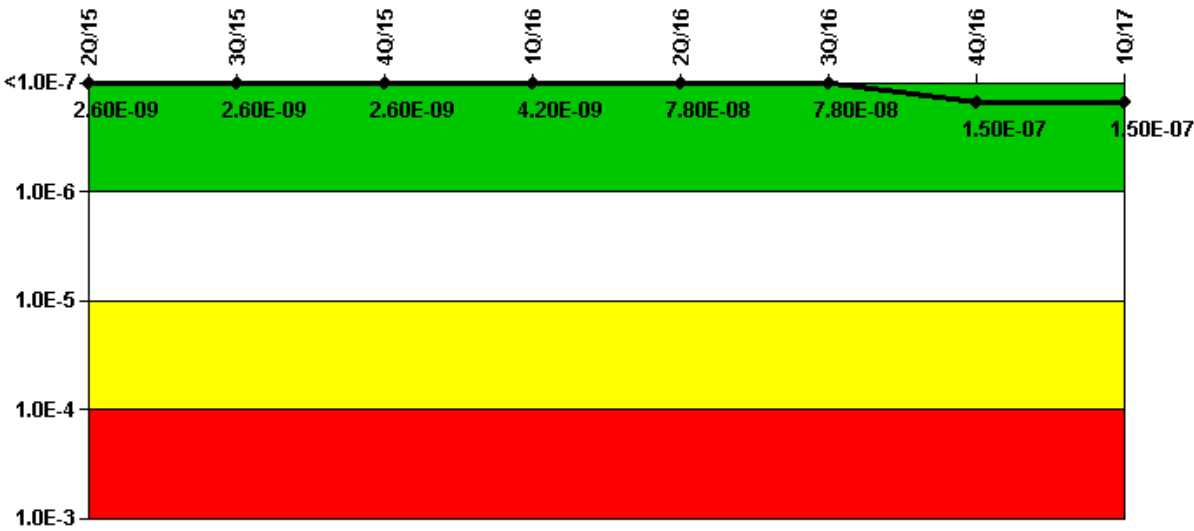
Safety System Functional Failures (BWR)2Q/153Q/154Q/151Q/162Q/163Q/164Q/161Q/17
Safety System Functional Failures 0 0 0 1 0 0 0 0

Indicator value 1 0 0 1 1 1 1 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

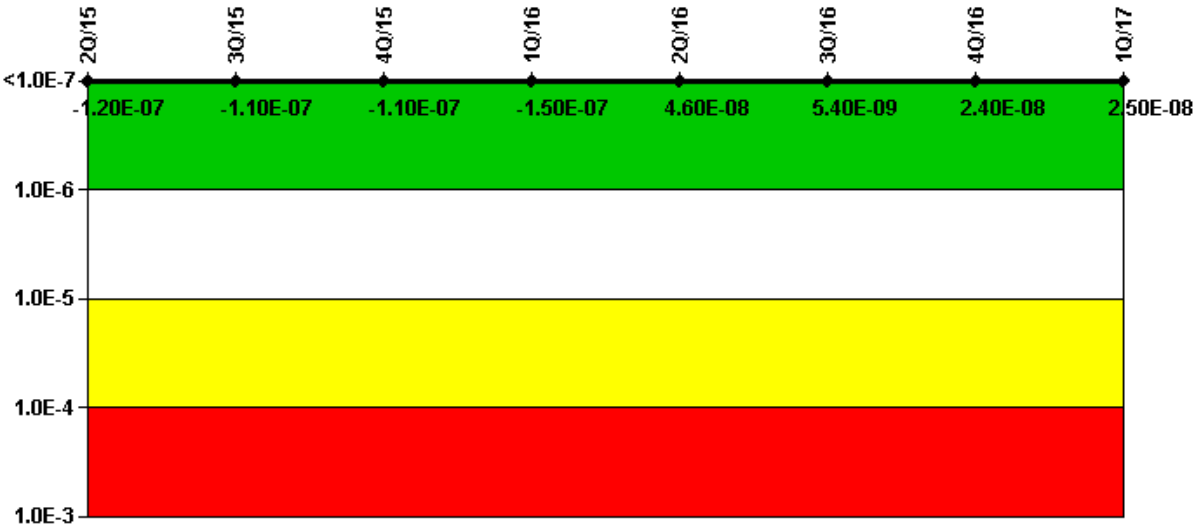
Mitigating Systems Performance Index, Emergency
AC Power System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-3.58E-09	-3.58E-09	-3.58E-09	-1.72E-09	-1.93E-09	-1.87E-09	-1.43E-09	-3.19E-09
URI (ΔCDF)	6.14E-09	6.14E-09	6.14E-09	5.94E-09	7.98E-08	7.98E-08	1.53E-07	1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-09	2.60E-09	2.60E-09	4.20E-09	7.80E-08	7.80E-08	1.50E-07	1.50E-07

TOP

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

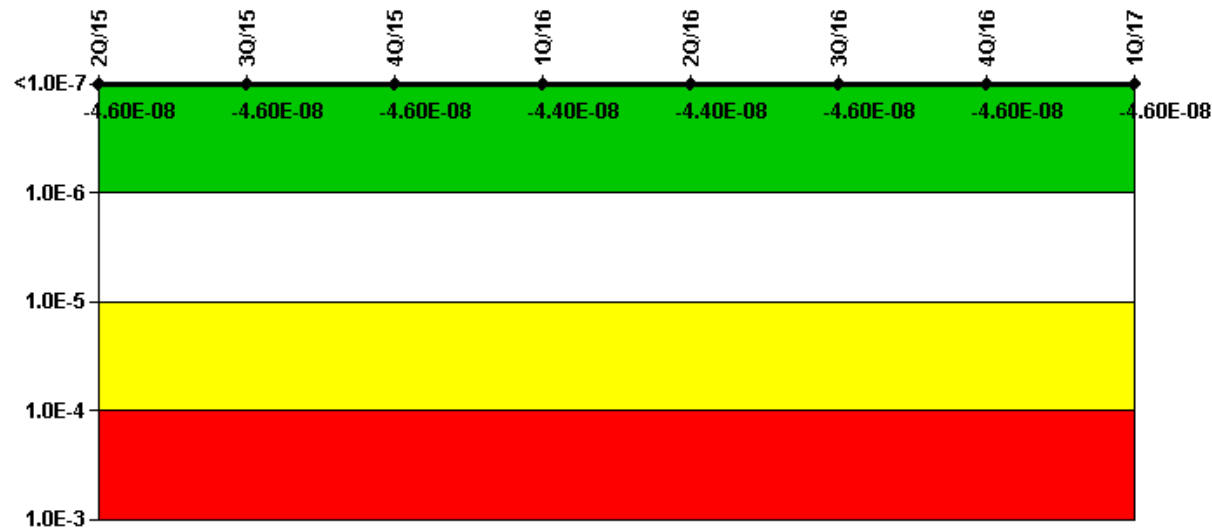
Mitigating Systems Performance Index, High
Pressure Injection System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	2.07E-08	2.45E-08	2.29E-08	-1.23E-08	1.82E-07	1.41E-07	1.60E-07	1.61E-07
URI (ΔCDF)	-1.37E-07	-1.37E-07	-1.37E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.10E-07	-1.10E-07	-1.50E-07	4.60E-08	5.40E-09	2.40E-08	2.50E-08

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

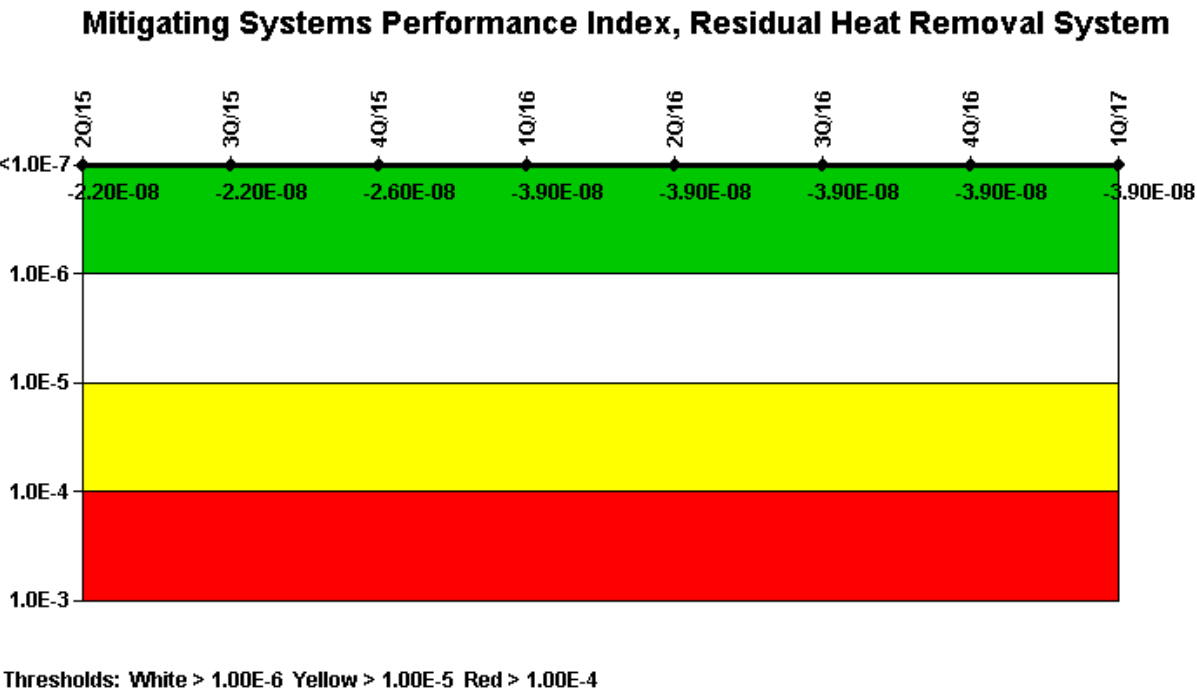
Notes

Mitigating Systems Performance Index, Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-1.07E-08	-1.04E-08	-1.04E-08	-1.04E-08	-1.05E-08	-1.26E-08	-1.26E-08	-1.26E-08
URI (ΔCDF)	-3.51E-08	-3.51E-08	-3.51E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-08	-4.60E-08	-4.60E-08	-4.40E-08	-4.40E-08	-4.60E-08	-4.60E-08	-4.60E-08

TOP

Licensee Comments: none



Notes

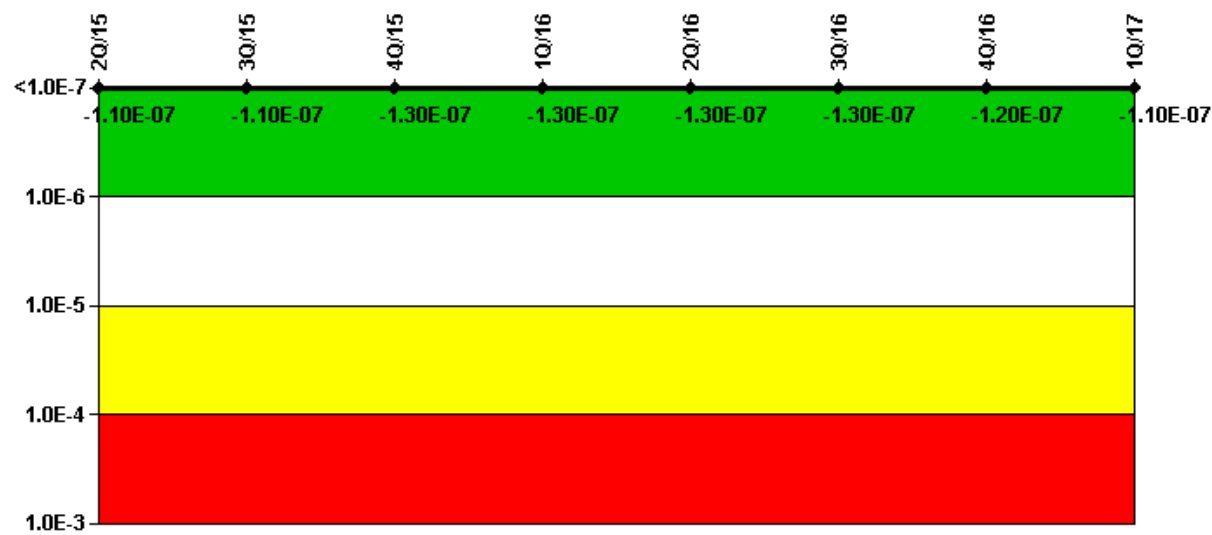
Mitigating Systems Performance Index, Residual Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-1.30E-09	-1.66E-09	-5.13E-09	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08
URI (ΔCDF)	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-08	-2.20E-08	-2.60E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

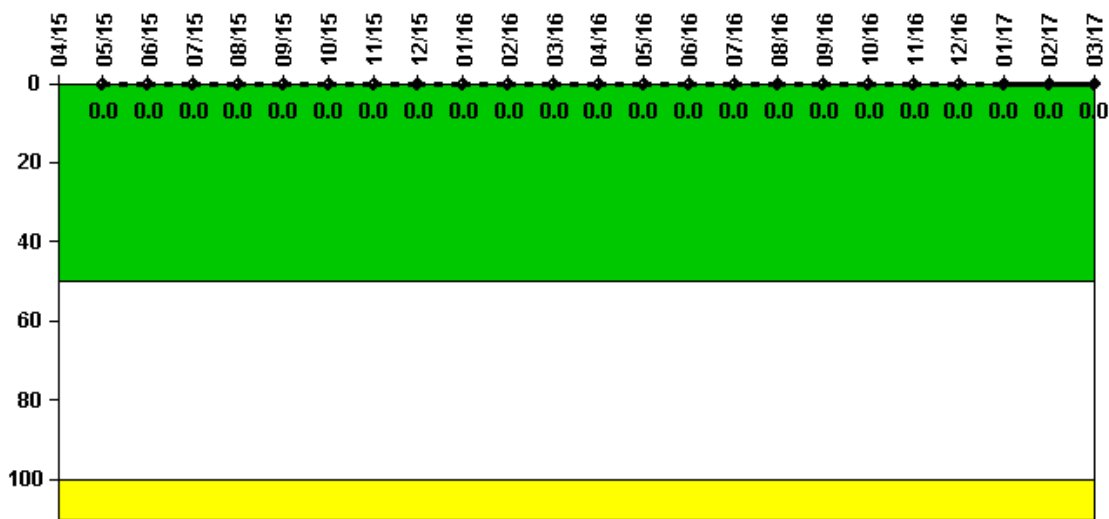
Mitigating Systems Performance Index, Cooling Water Systems

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-2.00E-08	-2.00E-08	-4.07E-08	-3.96E-08	-3.96E-08	-4.51E-08	-2.95E-08	-2.71E-08
URI (ΔCDF)	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.10E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.10E-07

TOP

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

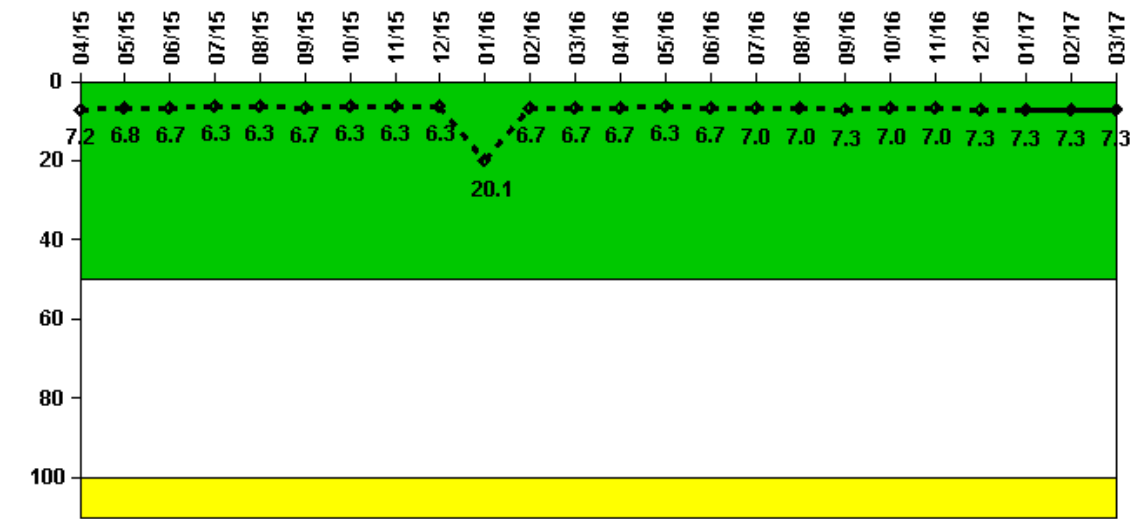
Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	N/A	0.000018	0.000010	0.000012	0.000017	0.000015	0.000019	0.000015	0.000016	0.000018	0.000014	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	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	0.000014	0.000015	0.000013	0.000017	0.000018	0.000014	0.000012	0.000012	0.000013	0.000014	0.000014	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

TOP

Licensee Comments:

6/15: The May 2015 data was revised due to a misread value. The revised value does not change the color of the indicator. CR 2015-15391

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

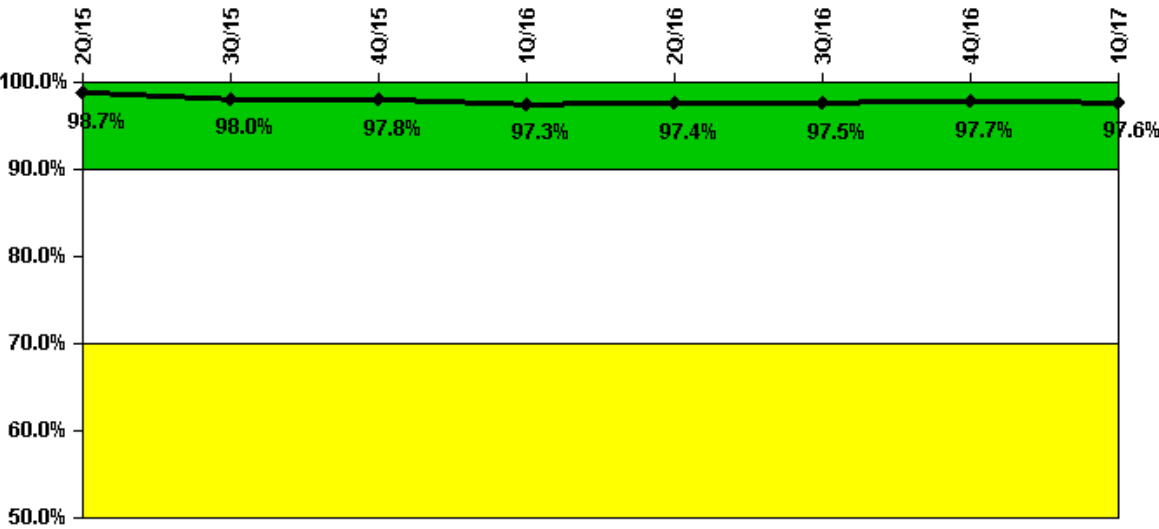
Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	2.160	2.050	2.000	1.900	1.900	2.000	1.900	1.900	1.900	6.020	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.2	6.8	6.7	6.3	6.3	6.7	6.3	6.3	6.3	20.1	6.7	6.7

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	2.010	1.900	2.000	2.100	2.100	2.200	2.100	2.100	2.200	2.200	2.200	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.3	6.7	7.0	7.0	7.3	7.0	7.0	7.3	7.3	7.3	7.3

TOP

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

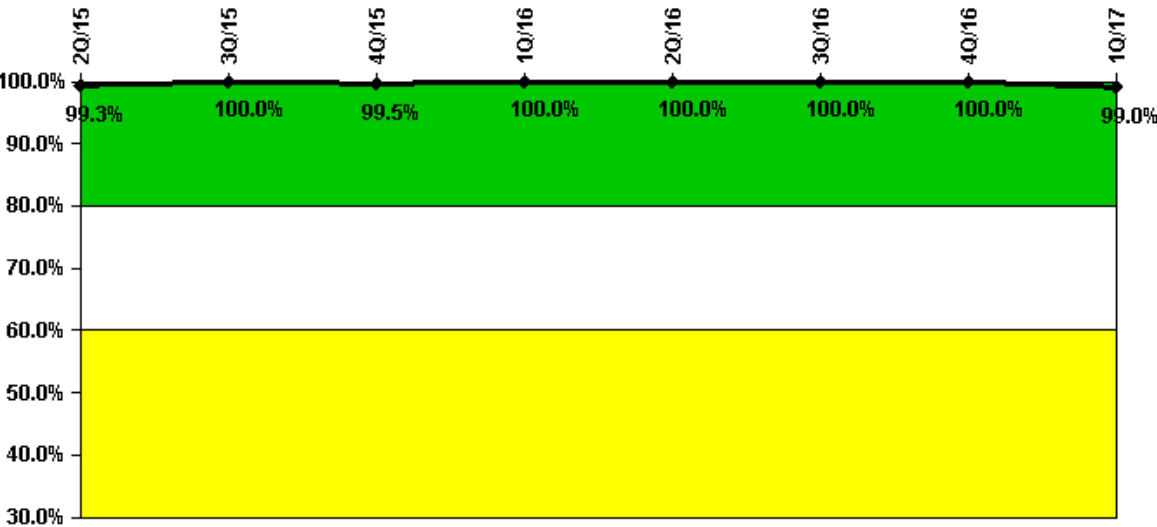
Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	39.0	48.0	37.0	36.0	44.0	35.0	30.0	14.0
Total opportunities	40.0	50.0	38.0	38.0	44.0	36.0	30.0	14.0

Indicator value 98.7% 98.0% 97.8% 97.3% 97.4% 97.5% 97.7% 97.6%

TOP

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

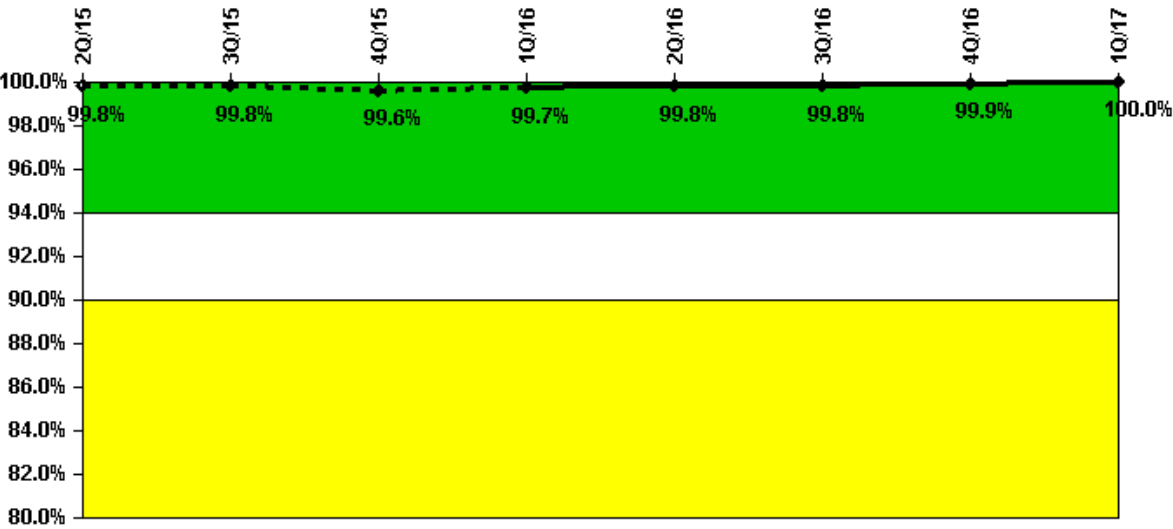
ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	150.0	164.0	183.0	179.0	179.0	183.0	188.0	198.0
Total Key personnel	151.0	164.0	184.0	179.0	179.0	183.0	188.0	200.0

Indicator value 99.3% 100.0% 99.5% 100.0% 100.0% 100.0% 100.0% 100.0% 99.0%

TOP

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

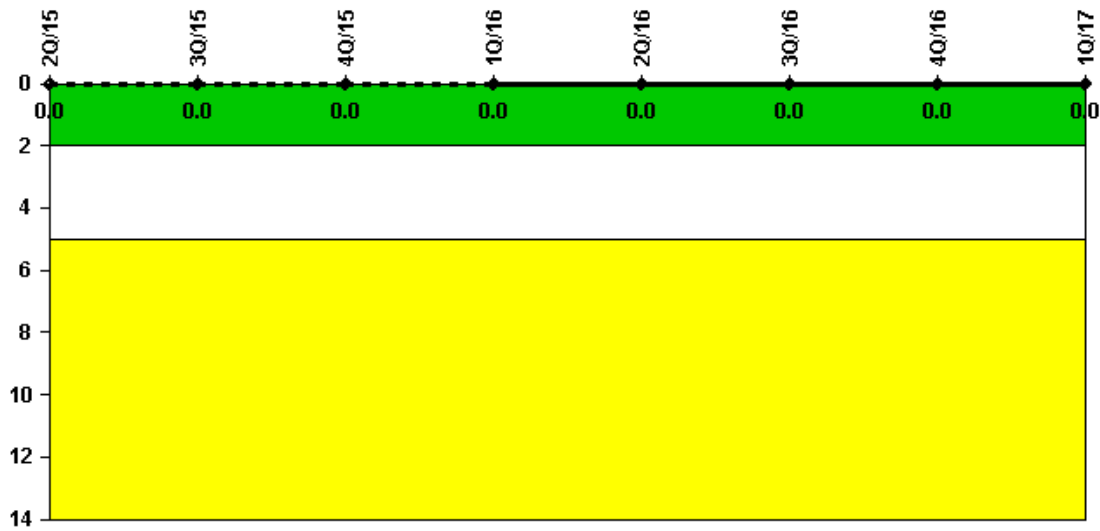
Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	454	532	1059	987	988	980	988	988
Total sirens-tests	456	532	1064	988	988	981	988	988

Indicator value 99.8% 99.8% 99.6% 99.7% 99.8% 99.8% 99.9% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

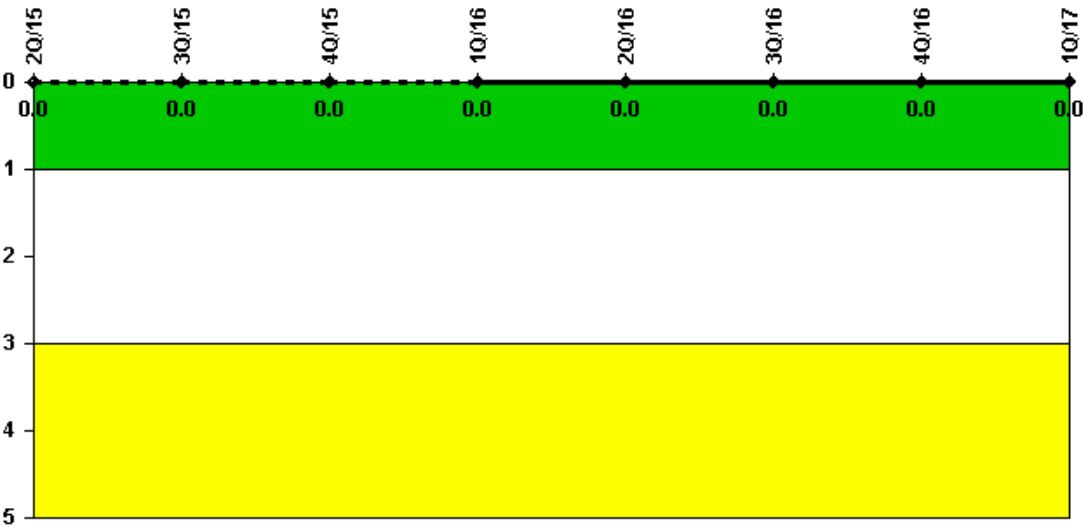
Notes

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



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Perry 1 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

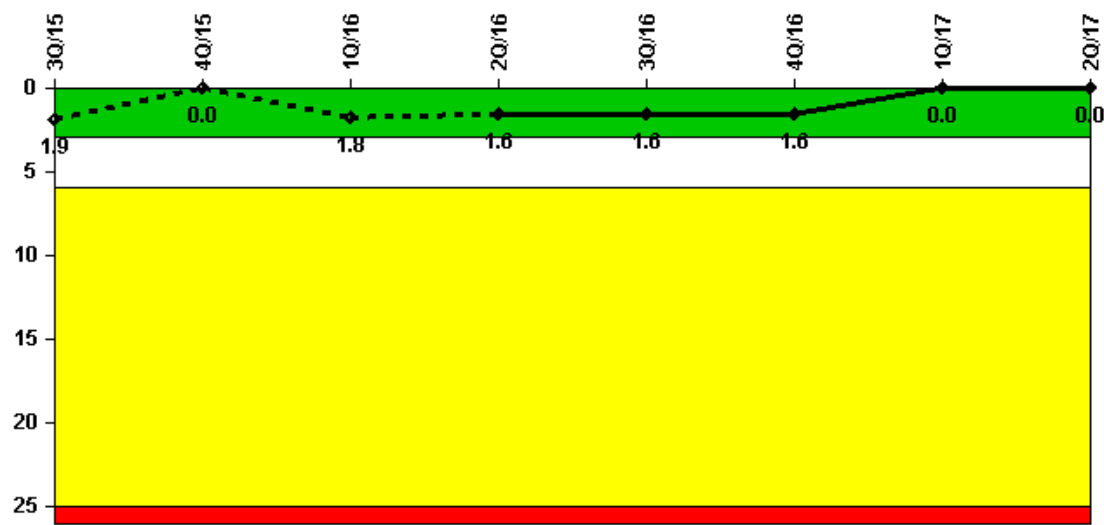
The solid trend line represents the current reporting period.

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/OCDEU Radiological Effluent Occurrence \(PR01\)](#)
- [Protected Area Equipment \(PP01\)](#)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

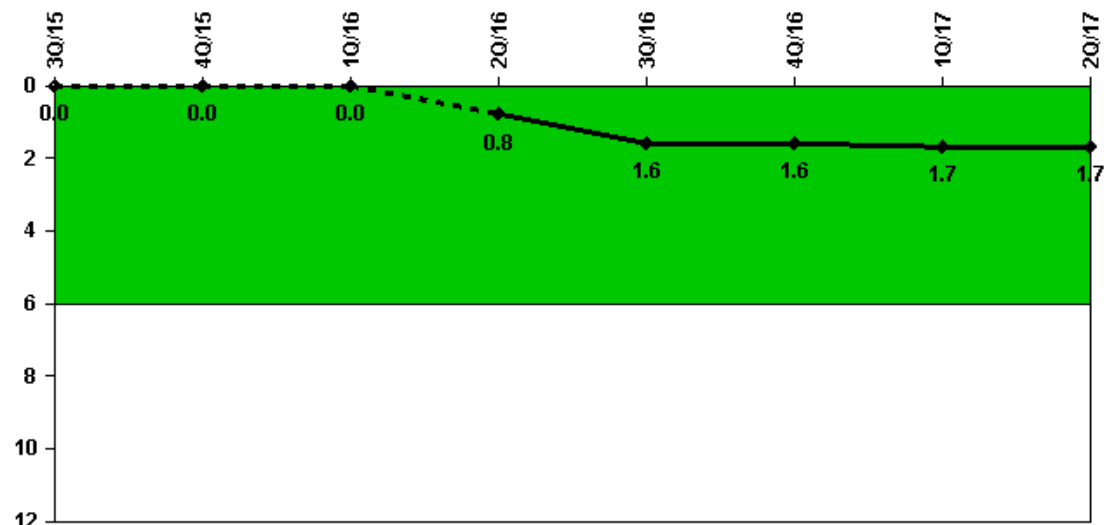
Notes

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	2.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1913.7	2184.0	2208.0	2209.0	1513.1	2145.5
Indicator value	1.9	0	1.8	1.6	1.6	1.6	0	0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

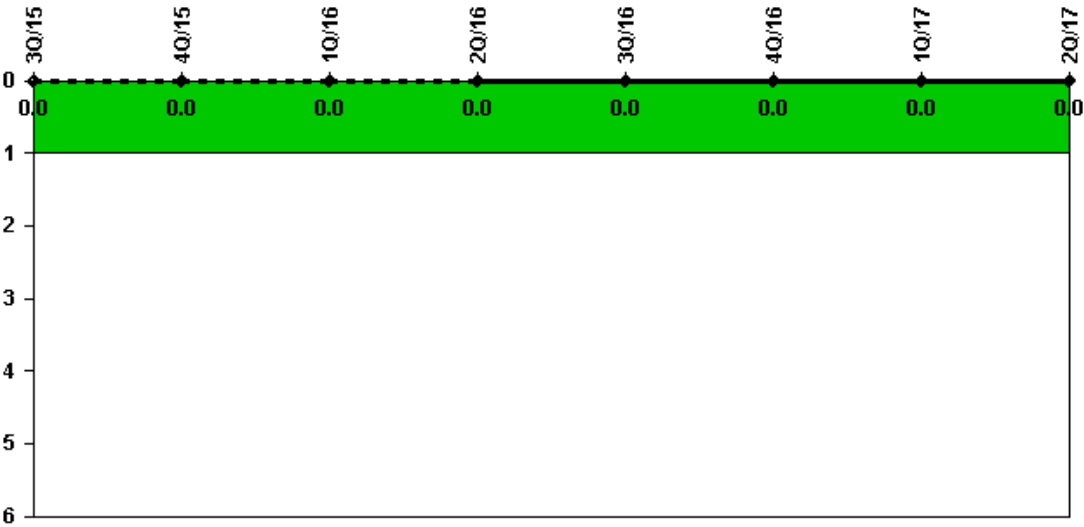
Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	1.0	1.0	0	0	1.0
Critical hours	2208.0	2209.0	1913.7	2184.0	2208.0	2209.0	1513.1	2145.5
Indicator value	0	0	0	0.8	1.6	1.6	1.7	1.7

TOP

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

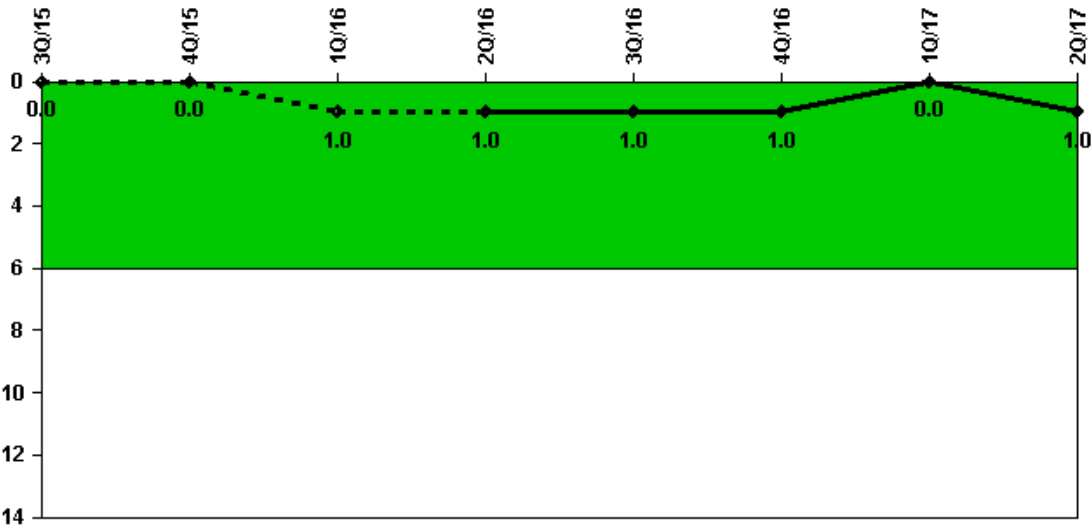
Notes

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

TOP

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

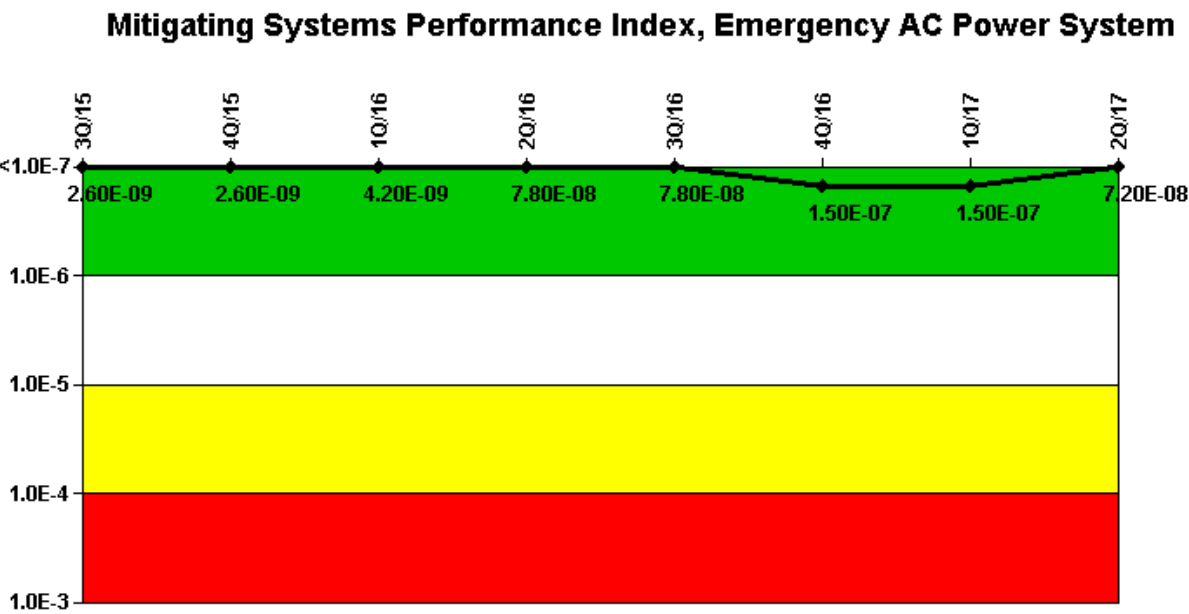
Notes

Safety System Functional Failures (BWR)	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Safety System Functional Failures	0	0	1	0	0	0	0	1

Indicator value	0	0	1	1	1	1	0	1

TOP

Licensee Comments:
2Q/17: LER 2017-003-0 was submitted during June, 2017 for a safety system functional failure involving the Annulus Exhaust Gas Treatment System



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

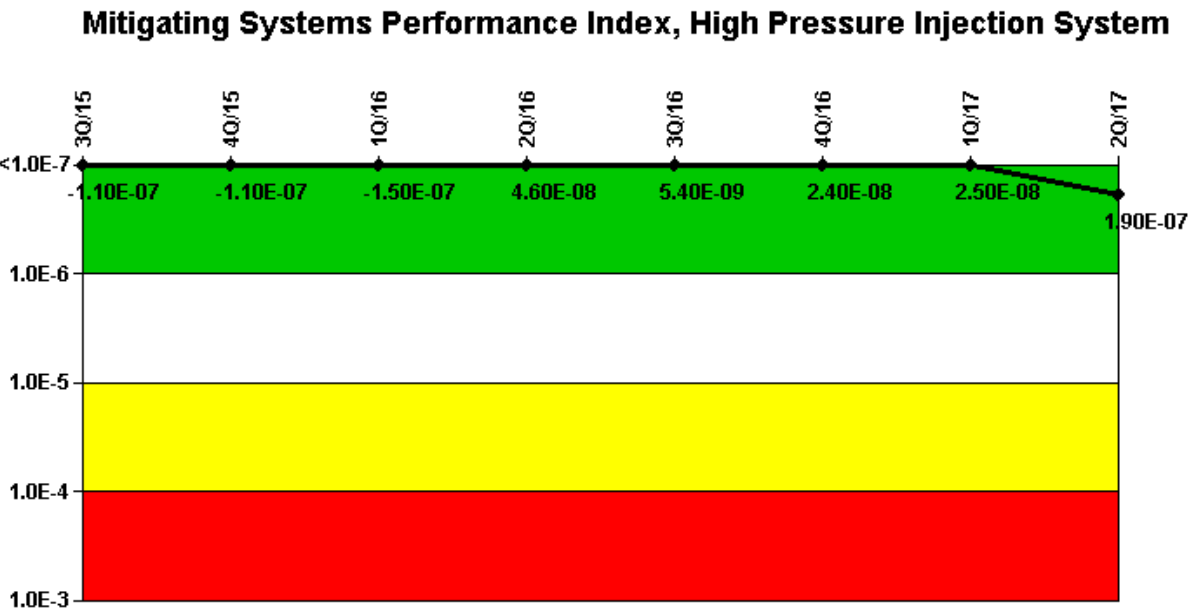
Notes

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)	-3.58E-09	-3.58E-09	-1.72E-09	-1.93E-09	-1.87E-09	-1.43E-09	-3.19E-09	-6.31E-09
URI (ΔCDF)	6.14E-09	6.14E-09	5.94E-09	7.98E-08	7.98E-08	1.53E-07	1.53E-07	7.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-09	2.60E-09	4.20E-09	7.80E-08	7.80E-08	1.50E-07	1.50E-07	7.20E-08

TOP

Licensee Comments: none



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

Notes

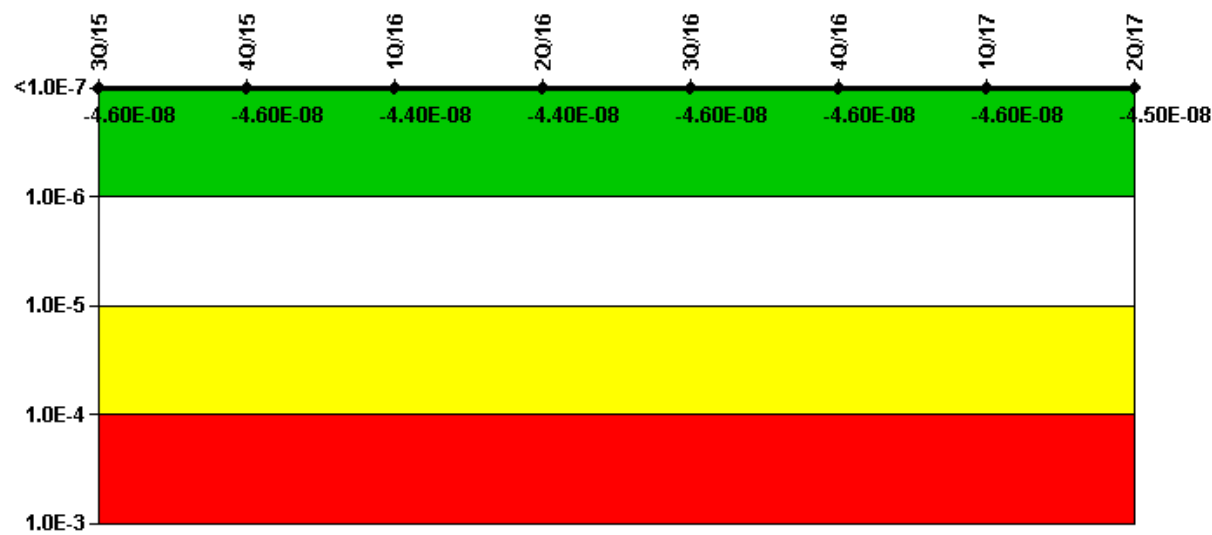
Mitigating Systems Performance Index, High Pressure Injection System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	2.45E-08	2.29E-08	-1.23E-08	1.82E-07	1.41E-07	1.60E-07	1.61E-07	3.28E-07
URI (ΔCDF)	-1.37E-07	-1.37E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.10E-07	-1.50E-07	4.60E-08	5.40E-09	2.40E-08	2.50E-08	1.90E-07

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

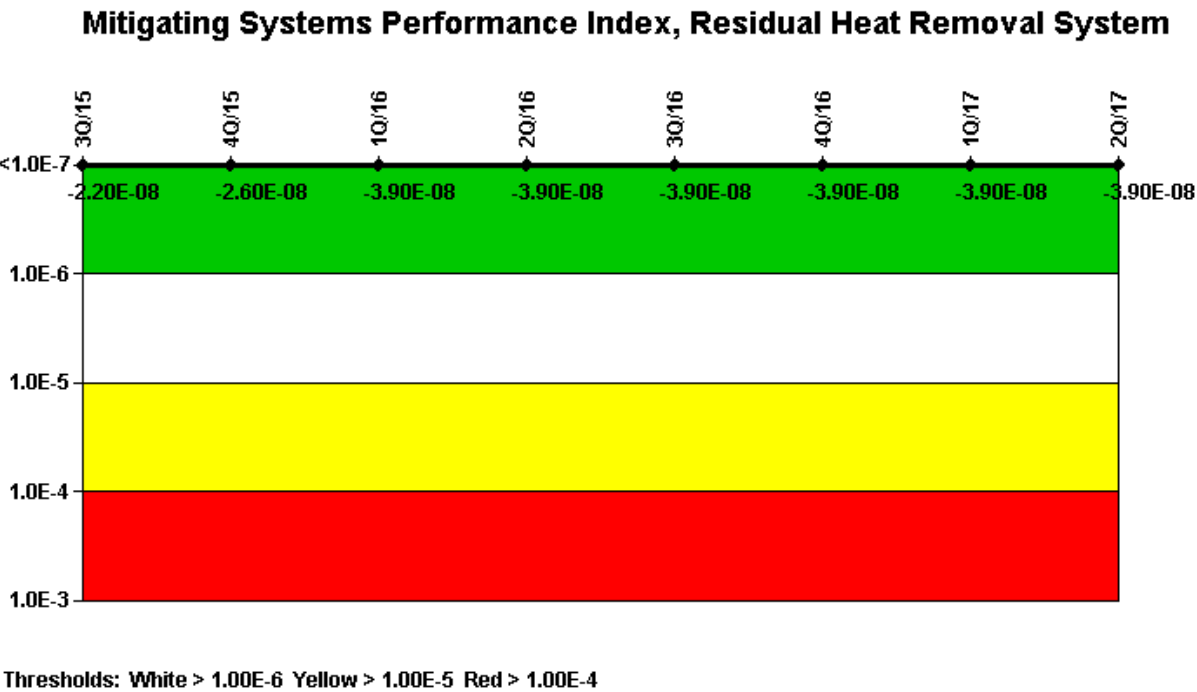
Notes

Mitigating Systems Performance Index, Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-1.04E-08	-1.04E-08	-1.04E-08	-1.05E-08	-1.26E-08	-1.26E-08	-1.26E-08	-1.12E-08
URI (ΔCDF)	-3.51E-08	-3.51E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-08	-4.60E-08	-4.40E-08	-4.40E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.50E-08

TOP

Licensee Comments: none



Notes

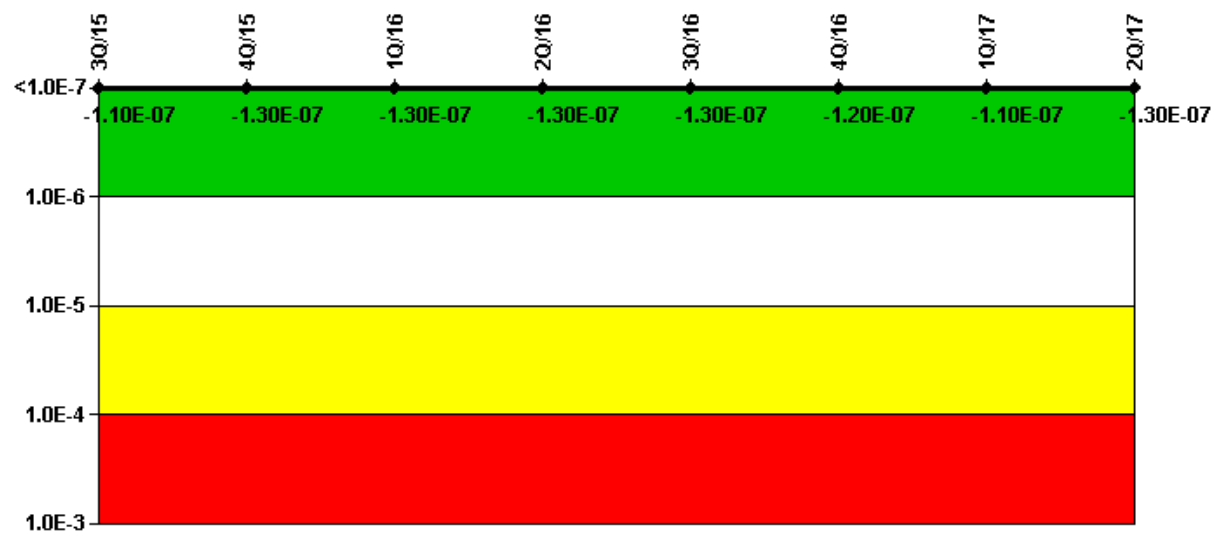
Mitigating Systems Performance Index, Residual Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-1.66E-09	-5.13E-09	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08
URI (ΔCDF)	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-08	-2.60E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

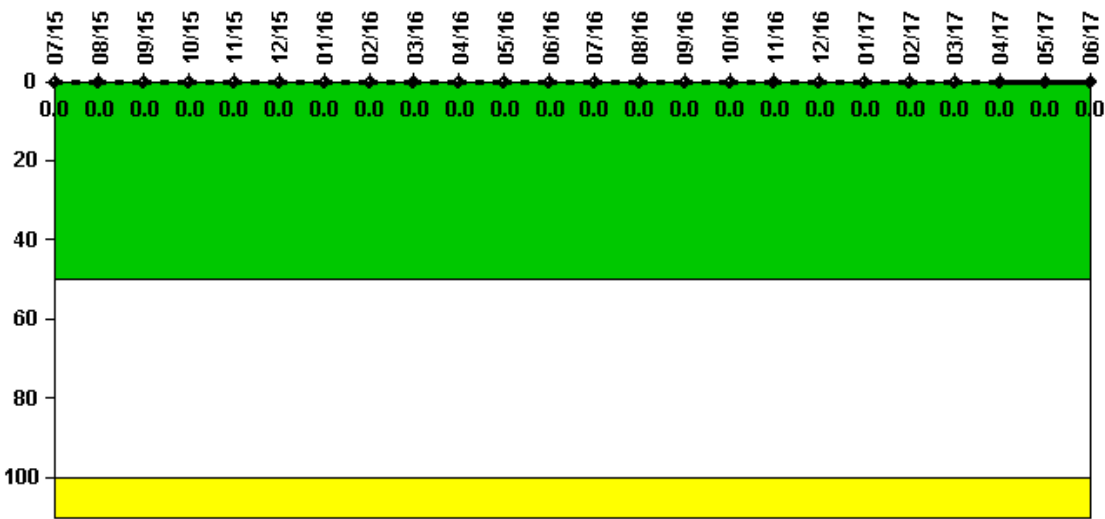
Mitigating Systems Performance Index, Cooling Water Systems

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-2.00E-08	-4.07E-08	-3.96E-08	-3.96E-08	-4.51E-08	-2.95E-08	-2.71E-08	-3.92E-08
URI (ΔCDF)	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.10E-07	-1.30E-07

TOP

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

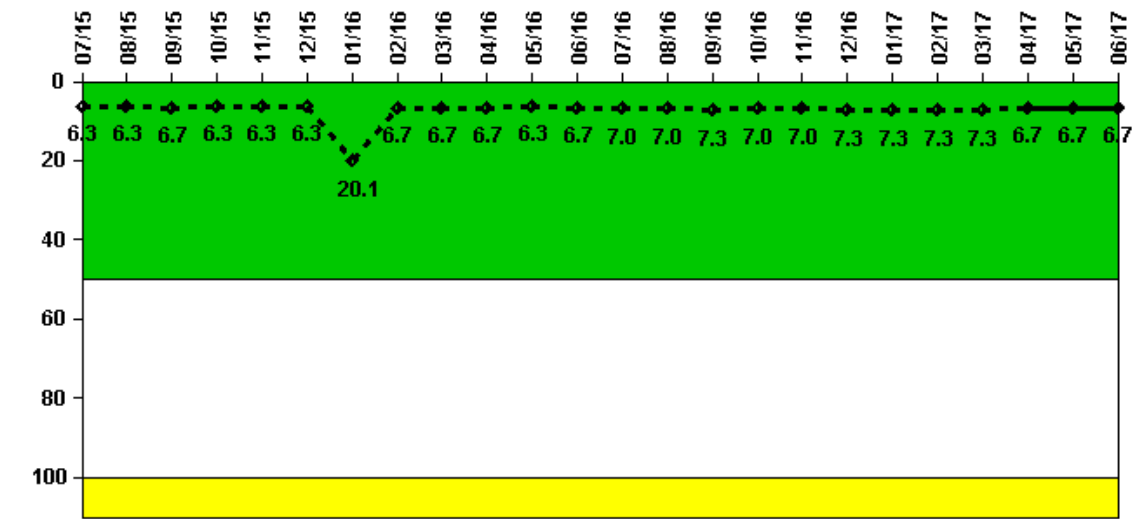
Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000012	0.000017	0.000015	0.000019	0.000015	0.000016	0.000018	0.000014	0.000012	0.000014	0.000015	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000017	0.000018	0.000014	0.000012	0.000012	0.000013	0.000014	0.000014	0.000008	0.000005	0.000006	0.000001
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

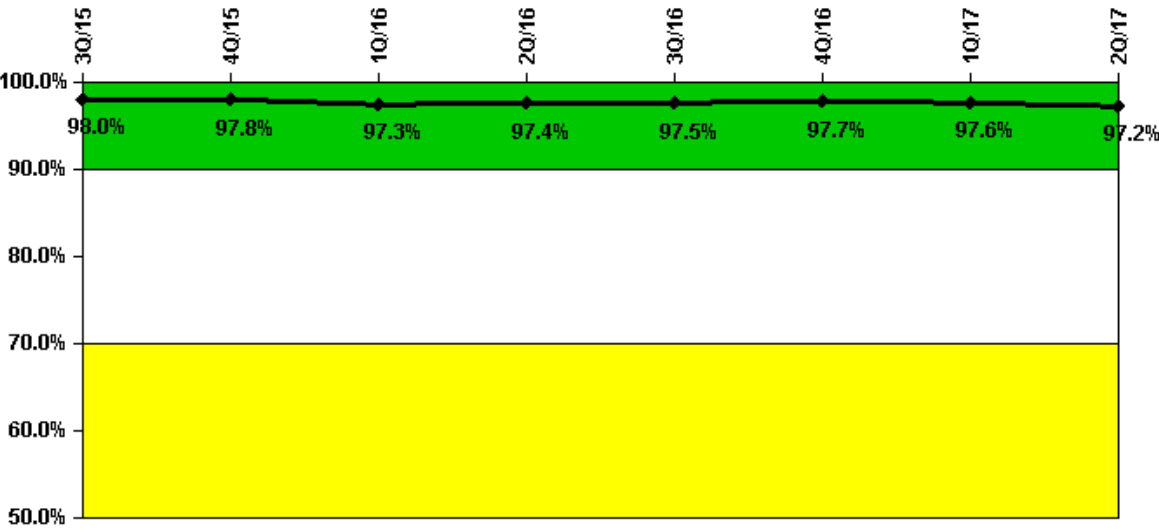
Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	1.900	1.900	2.000	1.900	1.900	1.900	6.020	2.000	2.000	2.010	1.900	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.3	6.3	6.7	6.3	6.3	6.3	20.1	6.7	6.7	6.7	6.3	6.7

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	2.100	2.100	2.200	2.100	2.100	2.200	2.200	2.200	2.200	2.000	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.0	7.0	7.3	7.0	7.0	7.3	7.3	7.3	7.3	6.7	6.7	6.7

TOP

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

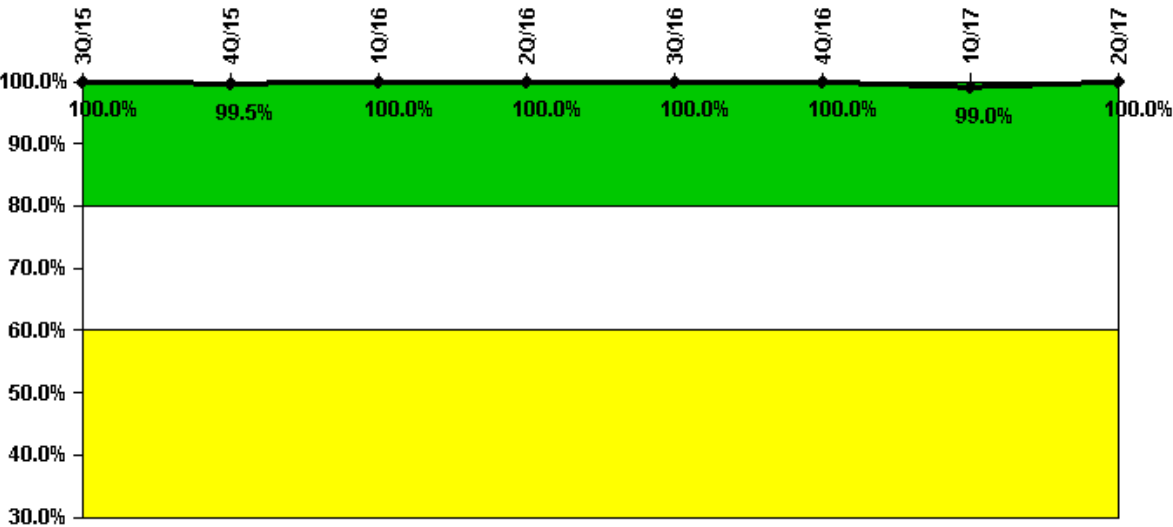
Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	48.0	37.0	36.0	44.0	35.0	30.0	14.0	29.0
Total opportunities	50.0	38.0	38.0	44.0	36.0	30.0	14.0	31.0

Indicator value 98.0% 97.8% 97.3% 97.4% 97.5% 97.7% 97.6% 97.2%

TOP

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

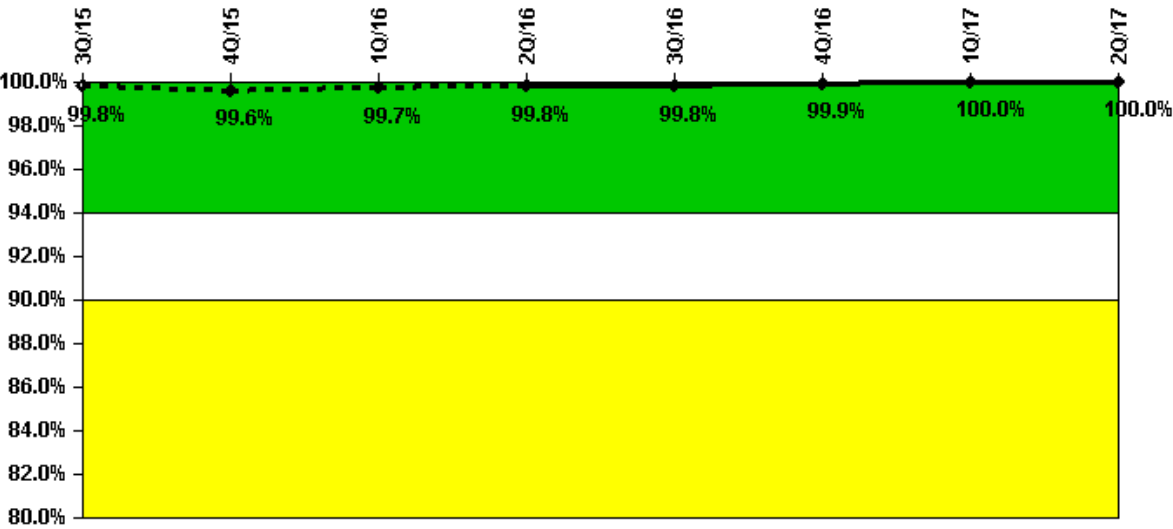
ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	164.0	183.0	179.0	179.0	183.0	188.0	198.0	200.0
Total Key personnel	164.0	184.0	179.0	179.0	183.0	188.0	200.0	200.0

Indicator value 100.0% 99.5% 100.0% 100.0% 100.0% 100.0% 99.0% 100.0%

TOP

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

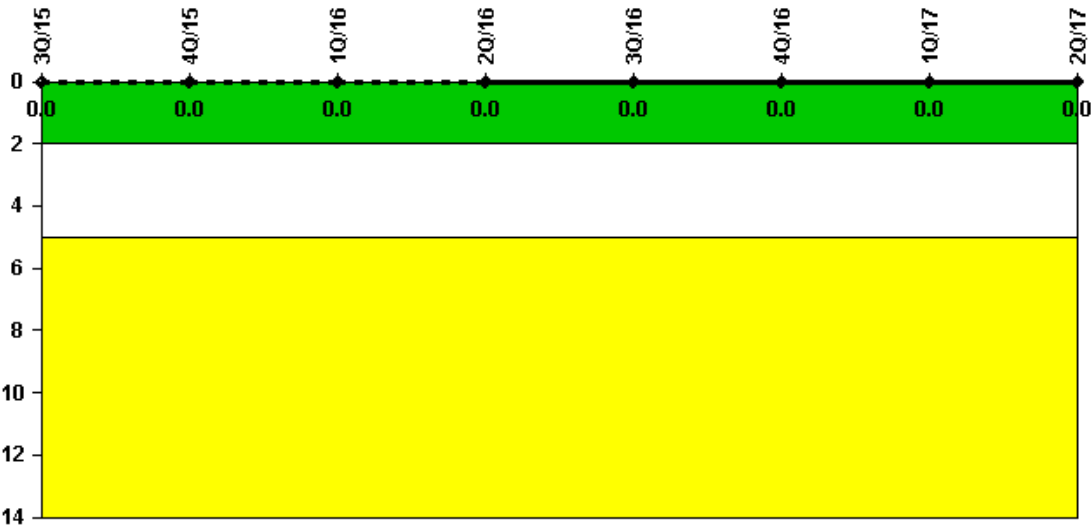
Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	532	1059	987	988	980	988	988	988
Total sirens-tests	532	1064	988	988	981	988	988	988

Indicator value 99.8% 99.6% 99.7% 99.8% 99.8% 99.9% 100.0% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

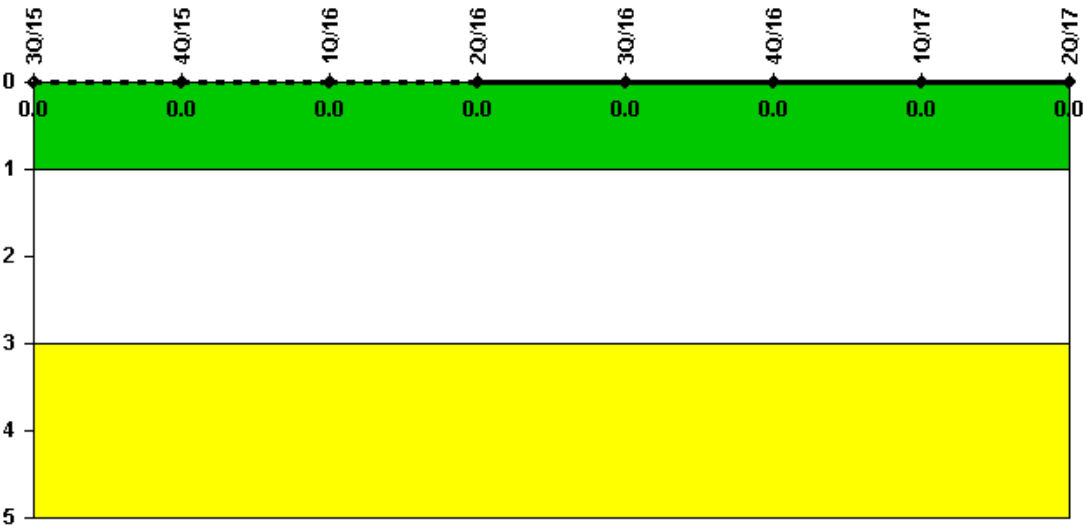
Notes

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 Effluent3Q/154Q/151Q/162Q/163Q/164Q/161Q/172Q/17

RETS/ODCM occurrences000000000

Indicator value000000000

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: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017



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Perry 1 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

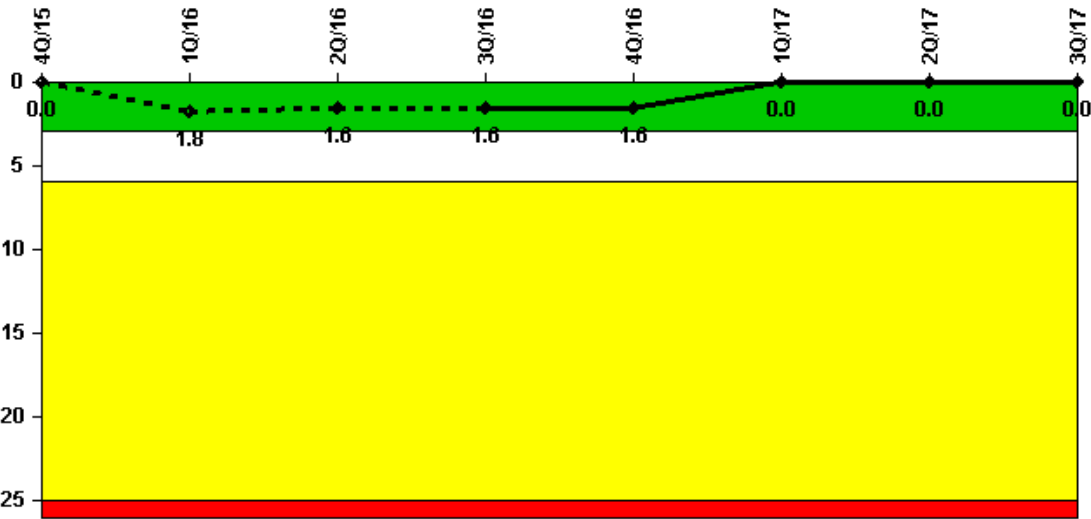
The solid trend line represents the current reporting period.

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/OCDEDM Radiological Effluent Occurrence \(PR01\)](#)
- [Protected Area Equipment \(PP01\)](#)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

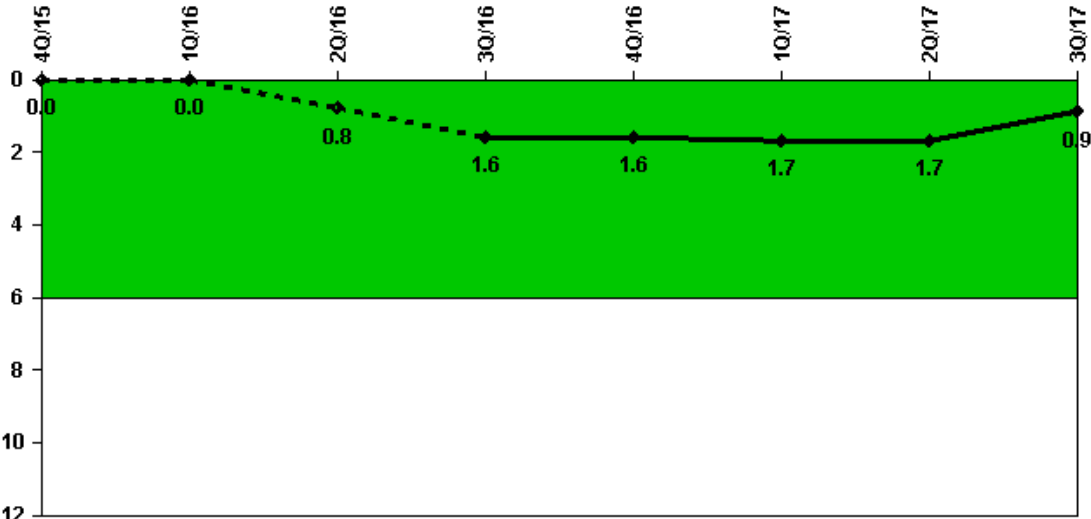
Notes

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	2.0	0	0	0	0	0	0
Critical hours	2209.0	1913.7	2184.0	2208.0	2209.0	1513.1	2145.5	2208.0
Indicator value	0	1.8	1.6	1.6	1.6	0	0	0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

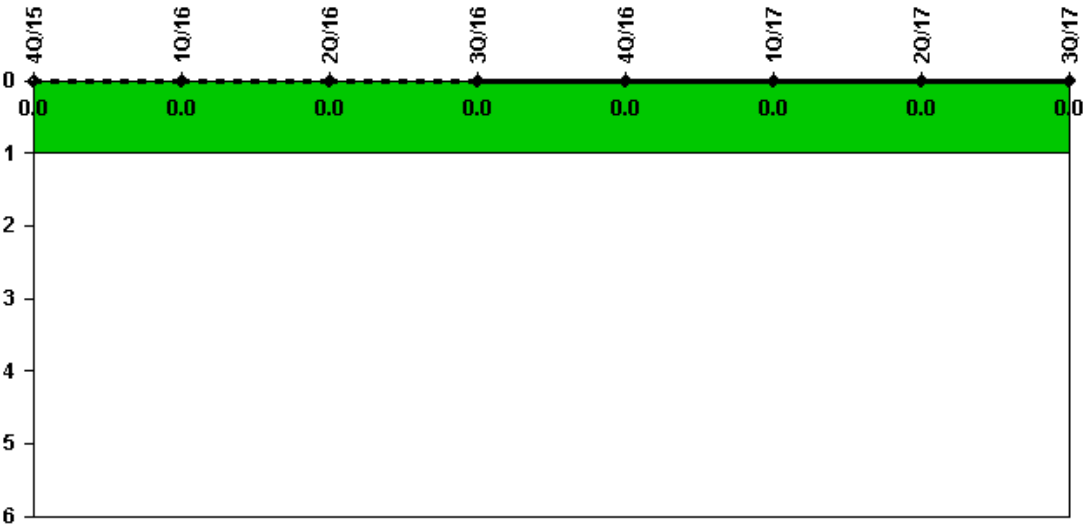
Notes

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	1.0	1.0	0	0	1.0	0
Critical hours	2209.0	1913.7	2184.0	2208.0	2209.0	1513.1	2145.5	2208.0
Indicator value	0	0	0.8	1.6	1.6	1.7	1.7	0.9

TOP

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

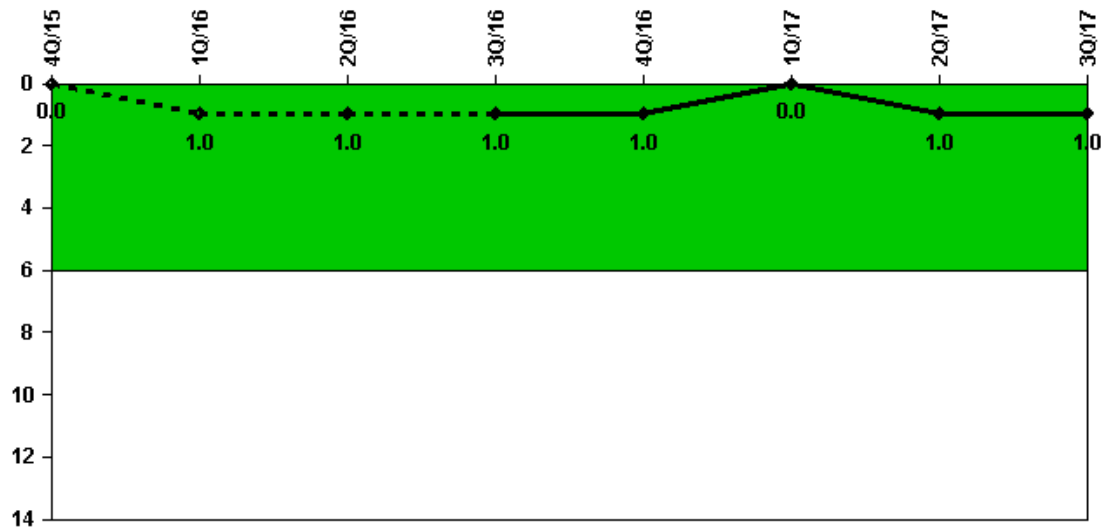
Notes

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

TOP

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

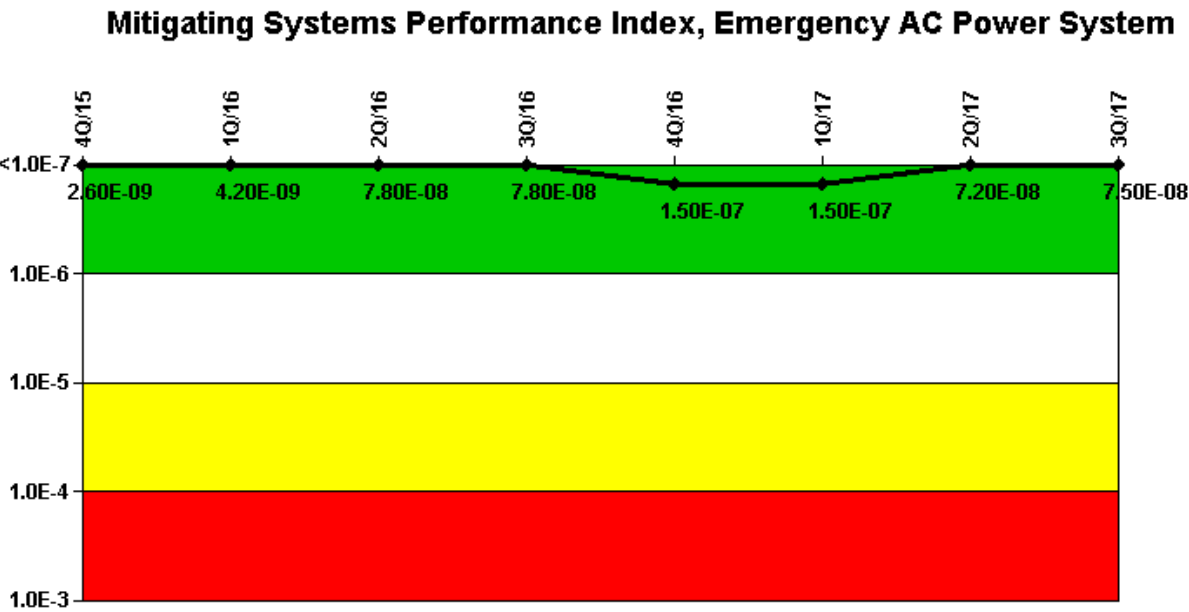
Notes

Safety System Functional Failures (BWR)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Safety System Functional Failures	0	1	0	0	0	0	1	0

Indicator value	0	1	1	1	1	0	1	1

TOP

Licensee Comments:
2Q/17: LER 2017-003-0 was submitted during June, 2017 for a safety system functional failure involving the Annulus Exhaust Gas Treatment System



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

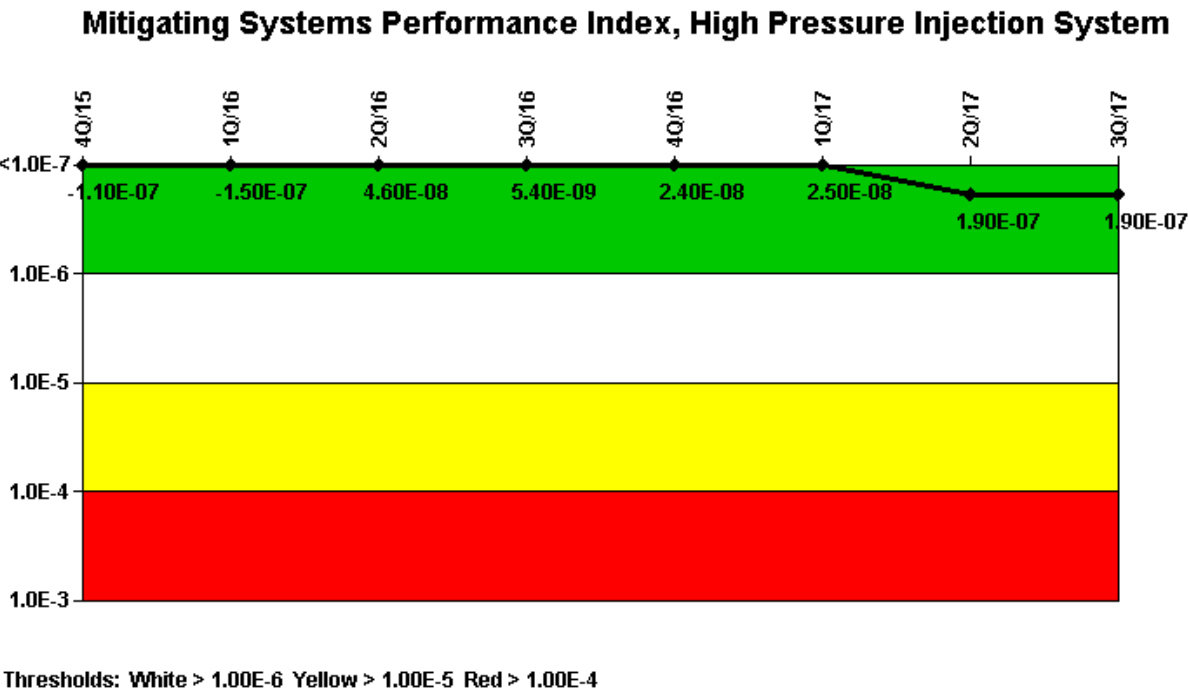
Notes

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)	-3.58E-09	-1.72E-09	-1.93E-09	-1.87E-09	-1.43E-09	-3.19E-09	-6.31E-09	-3.56E-09
URI (ΔCDF)	6.14E-09	5.94E-09	7.98E-08	7.98E-08	1.53E-07	1.53E-07	7.86E-08	7.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-09	4.20E-09	7.80E-08	7.80E-08	1.50E-07	1.50E-07	7.20E-08	7.50E-08

TOP

Licensee Comments: none



Notes

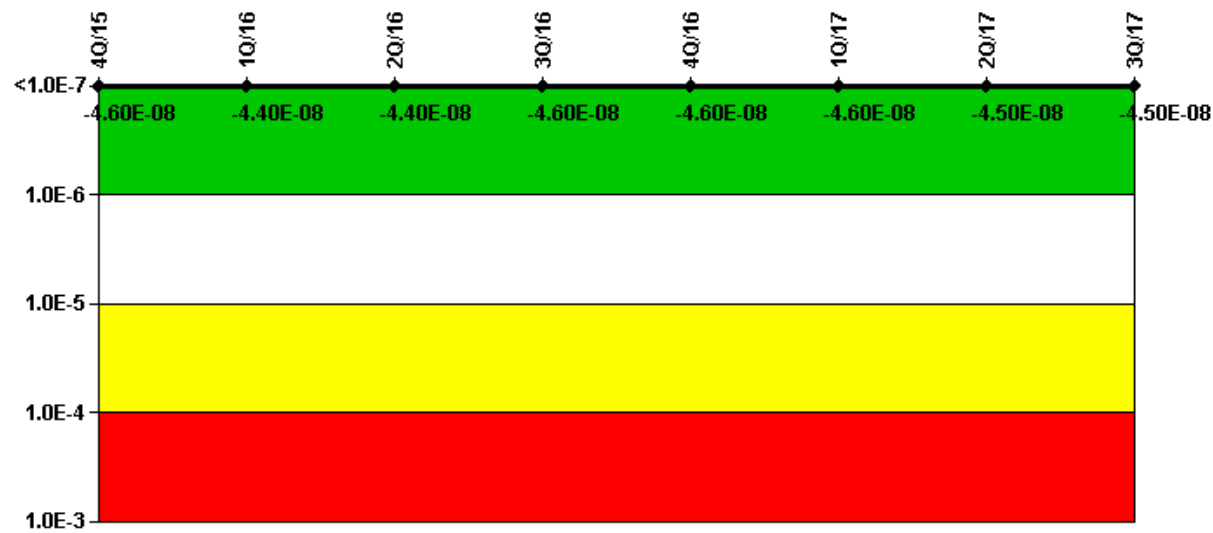
Mitigating Systems Performance Index, High Pressure Injection System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	2.29E-08	-1.23E-08	1.82E-07	1.41E-07	1.60E-07	1.61E-07	3.28E-07	3.27E-07
URI (ΔCDF)	-1.37E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.50E-07	4.60E-08	5.40E-09	2.40E-08	2.50E-08	1.90E-07	1.90E-07

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

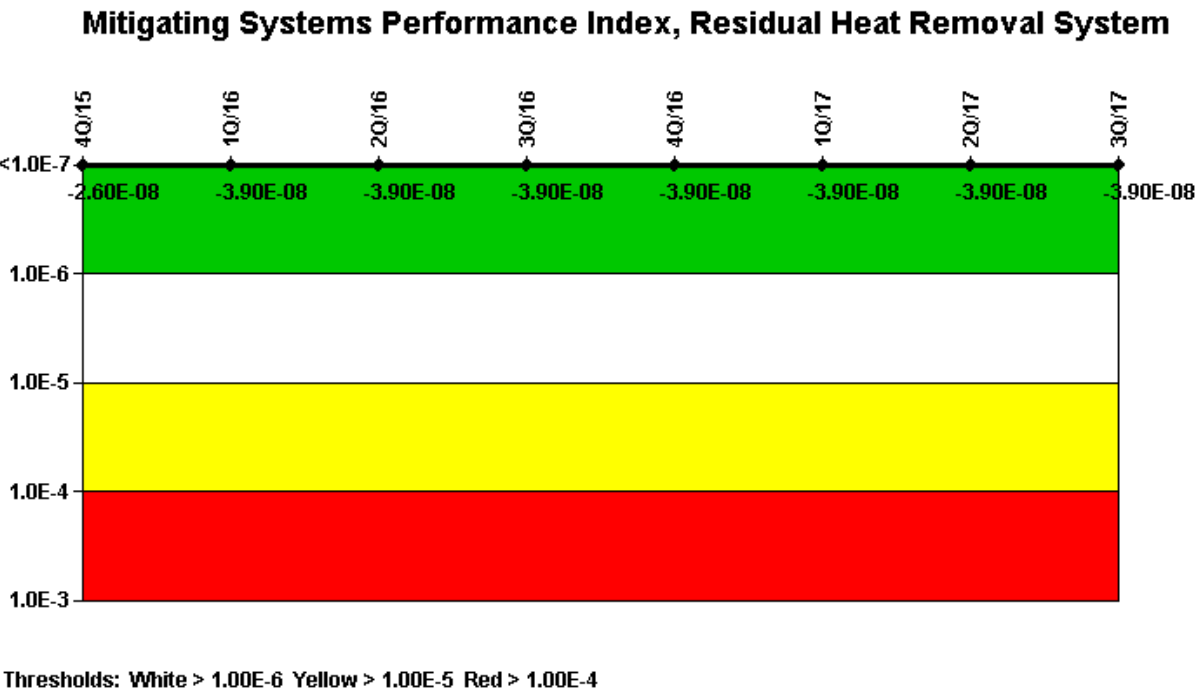
Notes

Mitigating Systems Performance Index, Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-1.04E-08	-1.04E-08	-1.05E-08	-1.26E-08	-1.26E-08	-1.26E-08	-1.12E-08	-1.12E-08
URI (ΔCDF)	-3.51E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-08	-4.40E-08	-4.40E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.50E-08	-4.50E-08

TOP

Licensee Comments: none



Notes

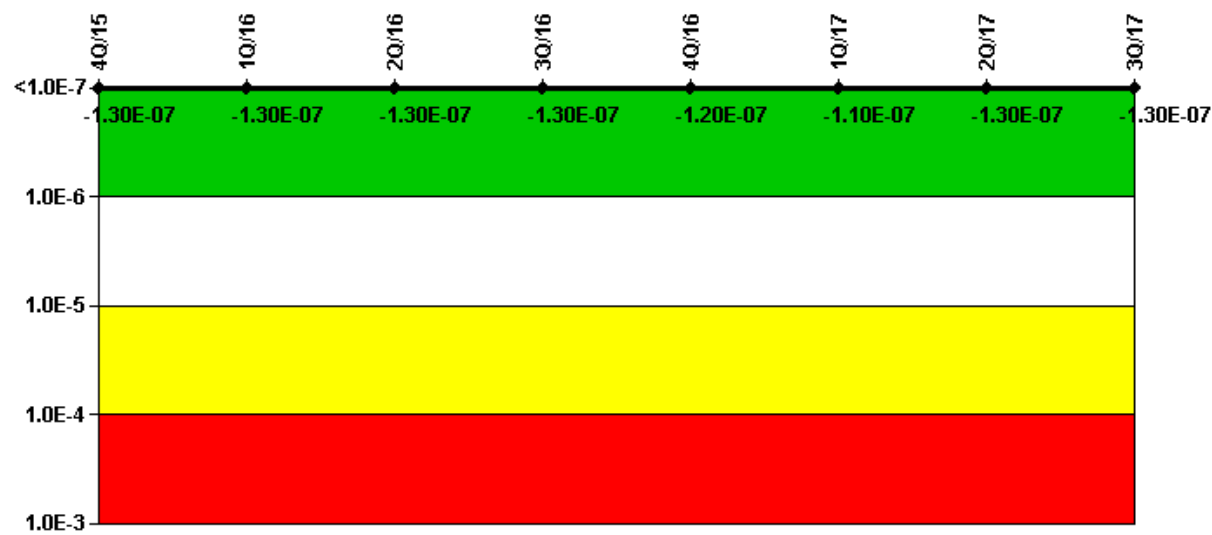
Mitigating Systems Performance Index, Residual Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-5.13E-09	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08
URI (ΔCDF)	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.60E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

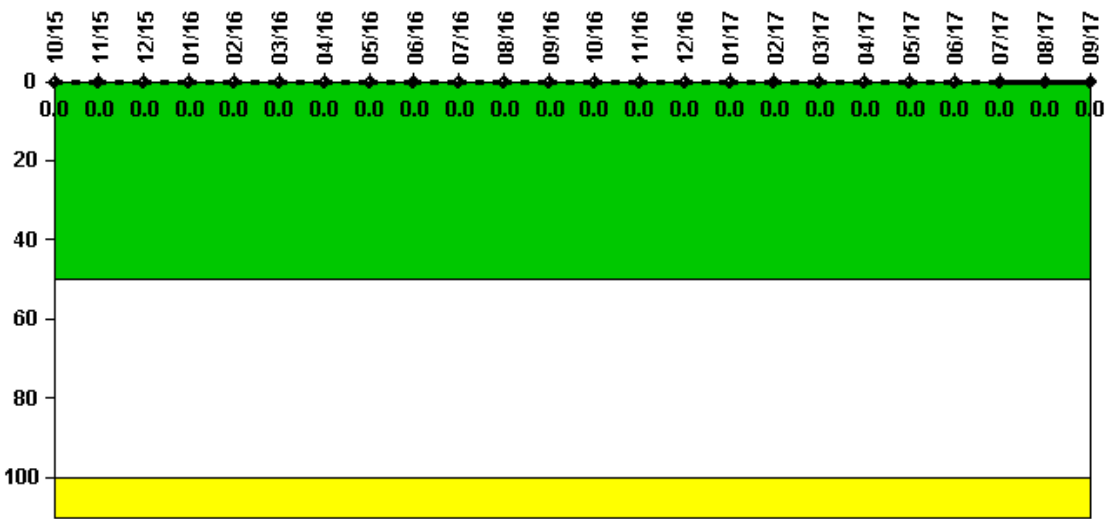
Mitigating Systems Performance Index, Cooling Water Systems

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-4.07E-08	-3.96E-08	-3.96E-08	-4.51E-08	-2.95E-08	-2.71E-08	-3.92E-08	-4.59E-08
URI (ΔCDF)	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.10E-07	-1.30E-07	-1.30E-07

TOP

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

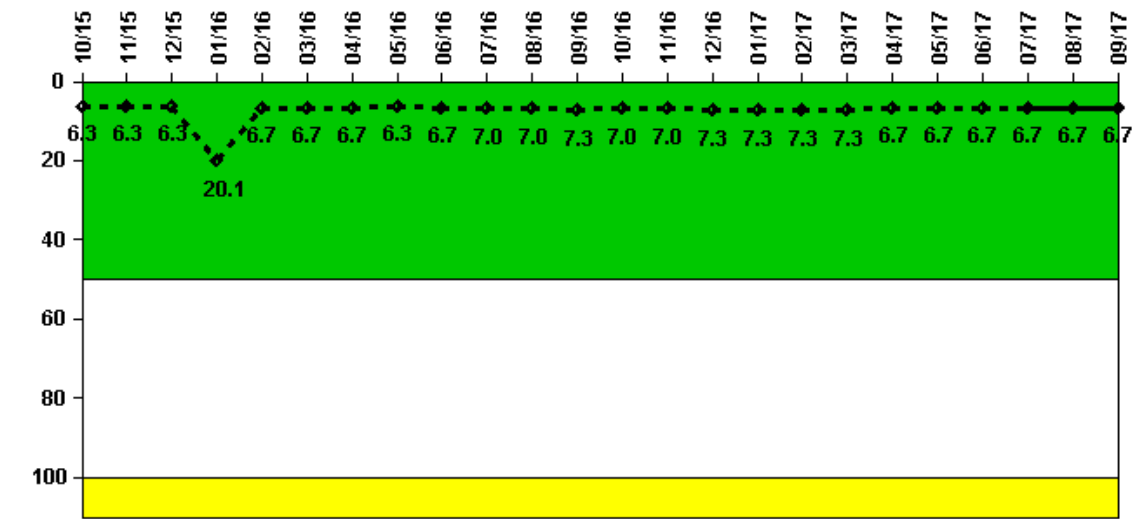
Notes

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	0.000019	0.000015	0.000016	0.000018	0.000014	0.000012	0.000014	0.000015	0.000013	0.000017	0.000018	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	0.000012	0.000012	0.000013	0.000014	0.000014	0.000008	0.000005	0.000006	0.000001	0	0.000003	0
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

TOP

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	1.900	1.900	1.900	6.020	2.000	2.000	2.010	1.900	2.000	2.100	2.100	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0

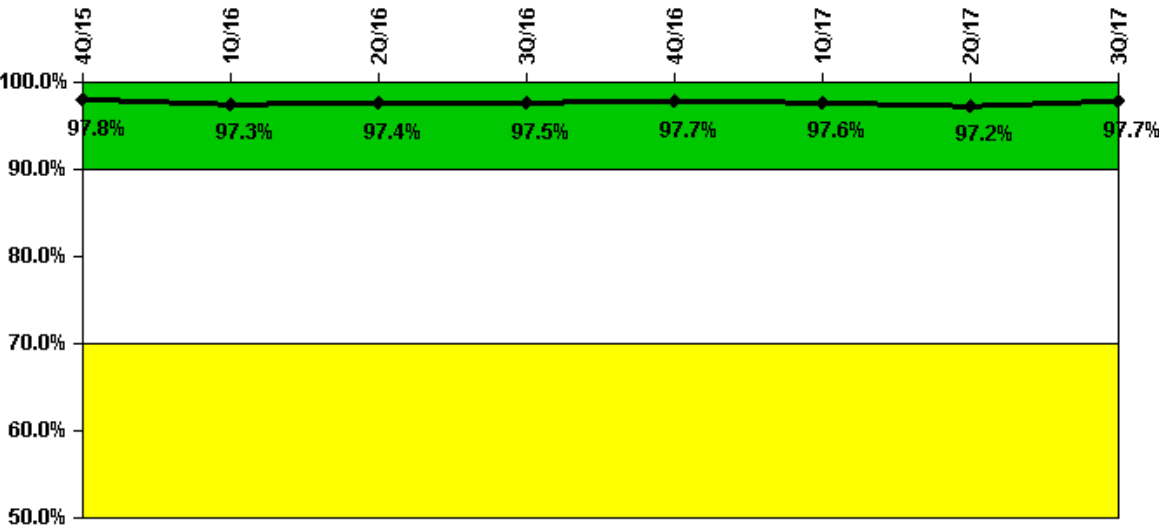
Indicator value	6.3	6.3	6.3	20.1	6.7	6.7	6.7	6.3	6.7	7.0	7.0	7.3
Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	2.100	2.100	2.200	2.200	2.200	2.200	2.000	2.000	2.000	2.000	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0

Indicator value	7.0	7.0	7.3	7.3	7.3	7.3	6.7	6.7	6.7	6.7	6.7	6.7

TOP

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

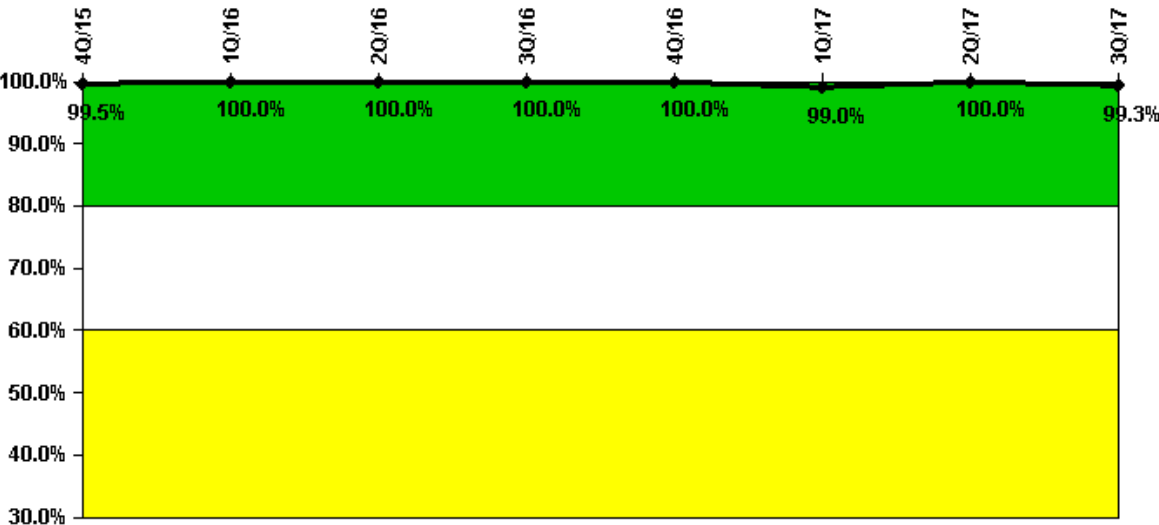
Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	37.0	36.0	44.0	35.0	30.0	14.0	29.0	34.0
Total opportunities	38.0	38.0	44.0	36.0	30.0	14.0	31.0	34.0

Indicator value 97.8% 97.3% 97.4% 97.5% 97.7% 97.6% 97.2% 97.7%

TOP

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

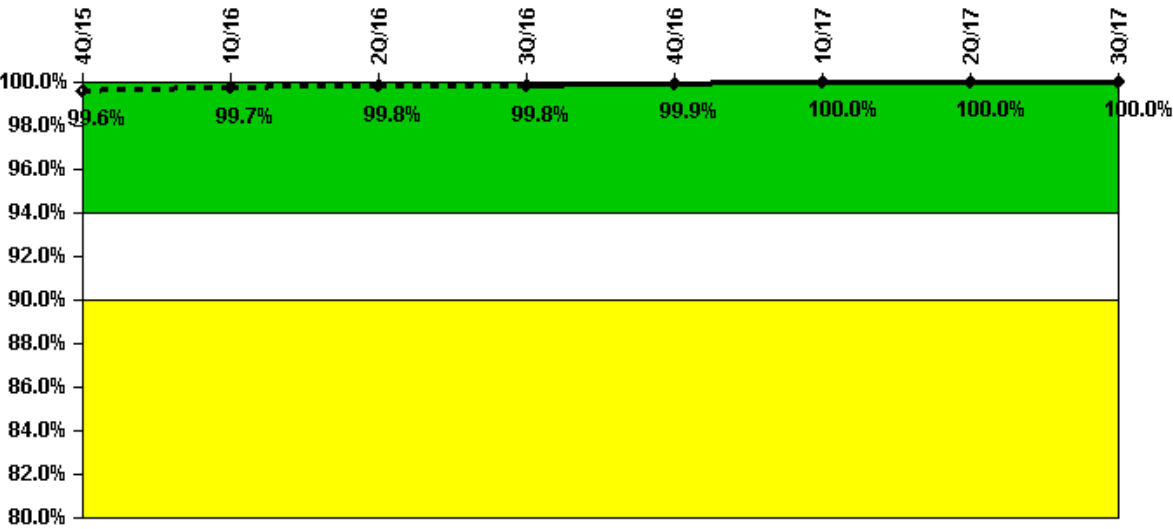
ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	183.0	179.0	179.0	183.0	188.0	198.0	200.0	151.0
Total Key personnel	184.0	179.0	179.0	183.0	188.0	200.0	200.0	152.0

Indicator value 99.5% 100.0% 100.0% 100.0% 100.0% 99.0% 100.0% 99.3%

TOP

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

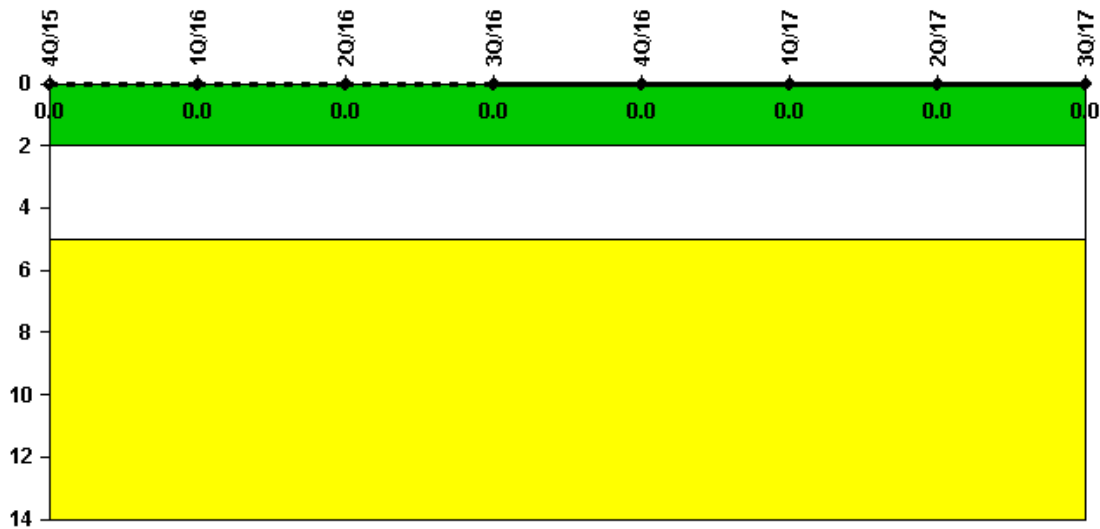
Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	1059	987	988	980	988	988	988	979
Total sirens-tests	1064	988	988	981	988	988	988	979

Indicator value 99.6% 99.7% 99.8% 99.8% 99.9% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

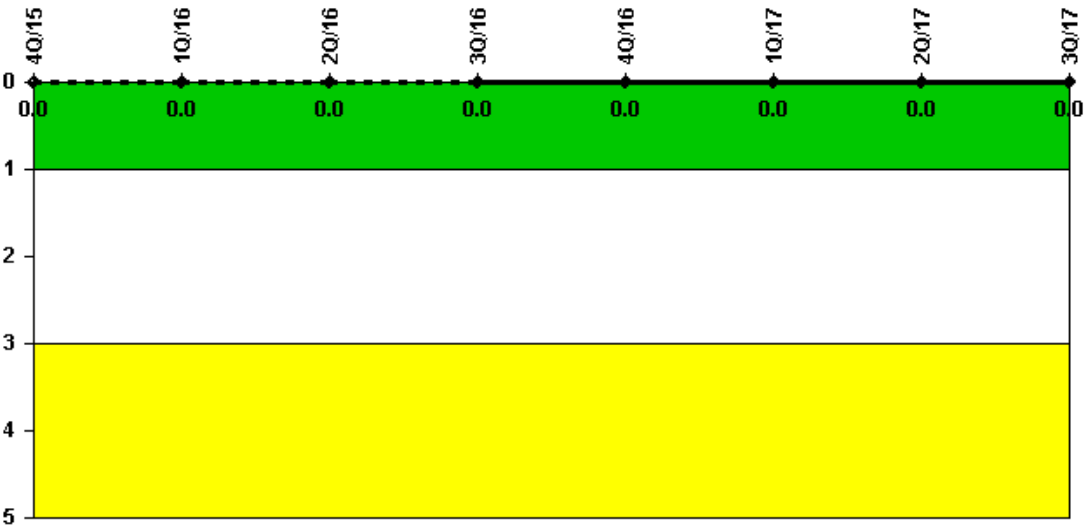
Notes

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

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent4Q/151Q/162Q/163Q/164Q/161Q/172Q/173Q/17

RETS/ODCM occurrences000000000

Indicator value000000000

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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: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries> Perry 1 > Quarterly Performance Indicators

Perry 1 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

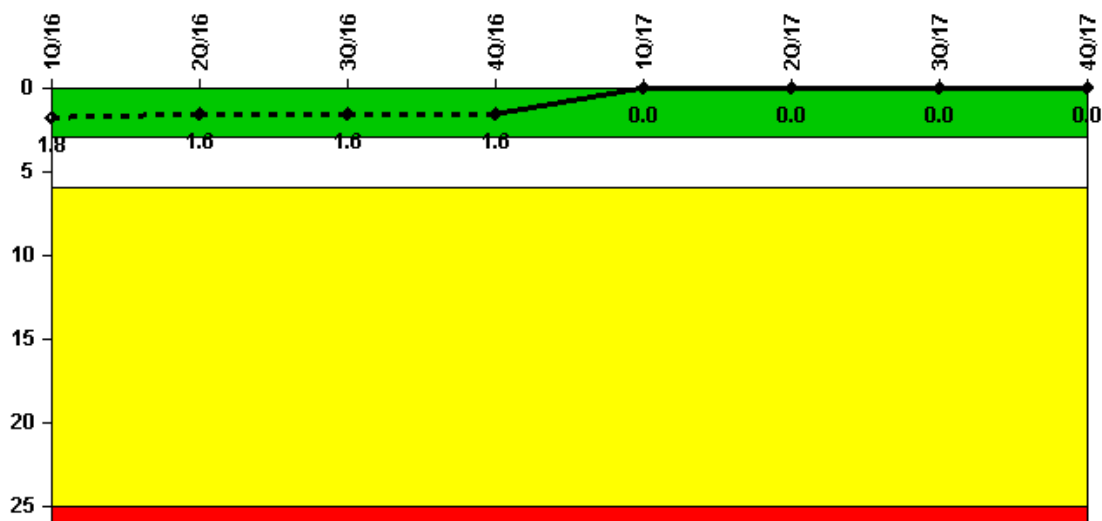
The solid trend line represents the current reporting period.

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)
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- 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

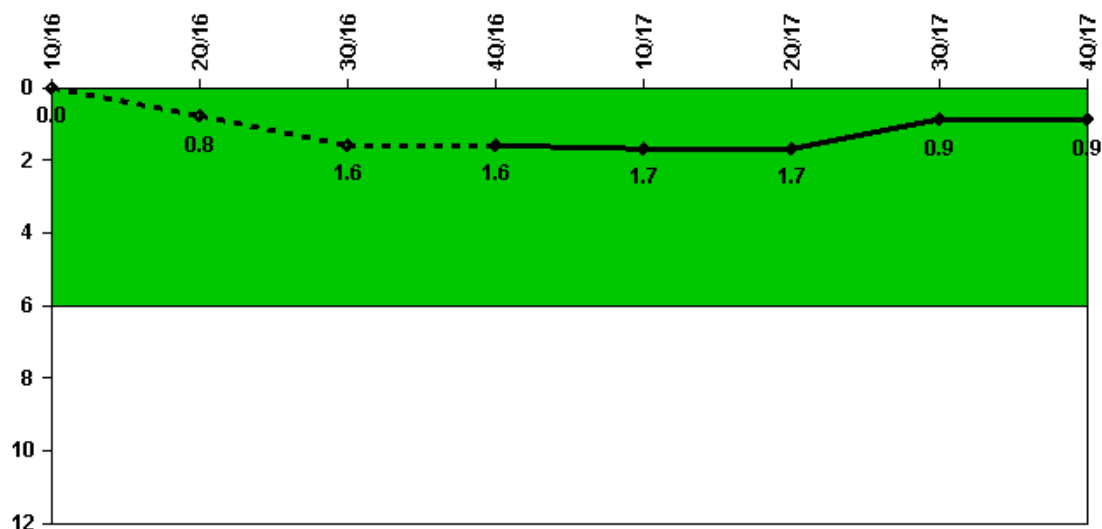
Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	2.0	0	0	0	0	0	0	0
Critical hours	1913.7	2184.0	2208.0	2209.0	1513.1	2145.5	2208.0	2209.0

Indicator value 1.8 1.6 1.6 1.6 0 0 0 0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

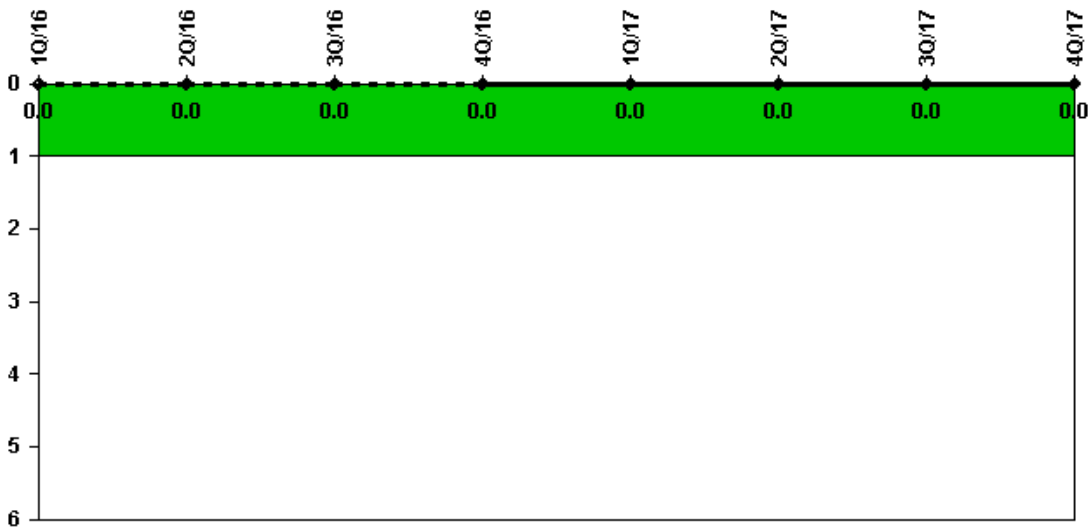
Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	1.0	1.0	0	0	1.0	0	0
Critical hours	1913.7	2184.0	2208.0	2209.0	1513.1	2145.5	2208.0	2209.0

Indicator value	0	0.8	1.6	1.6	1.7	1.7	0.9	0.9

▲ TOP

Licensee Comments:

4Q/17: LER 2017-006 submitted December 1, 2017.

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

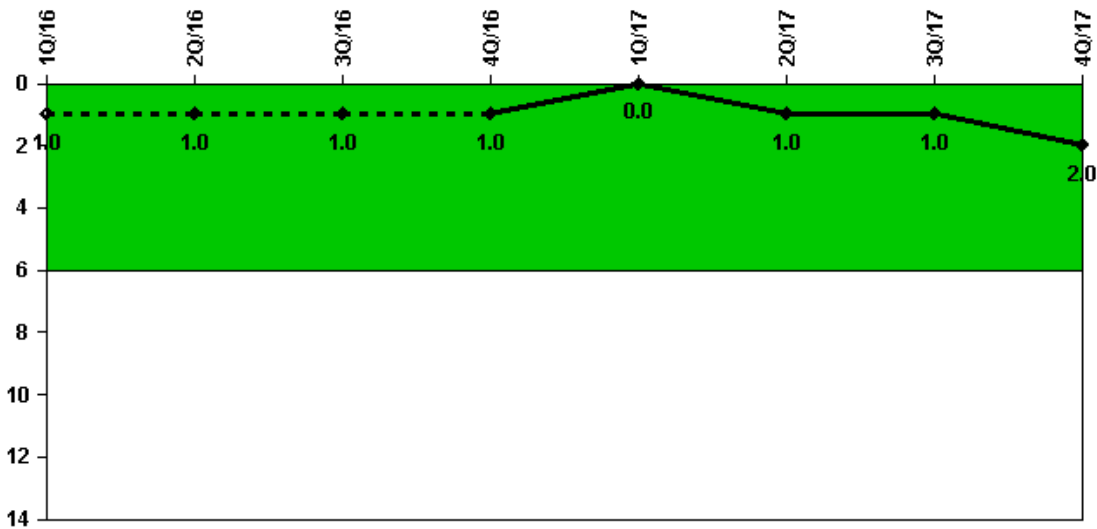
Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	0	0	0

Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

▲ TOP

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR) 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

Safety System Functional Failures 1 0 0 0 0 0 1 0 1

Indicator value 1 1 1 1 0 1 1 2

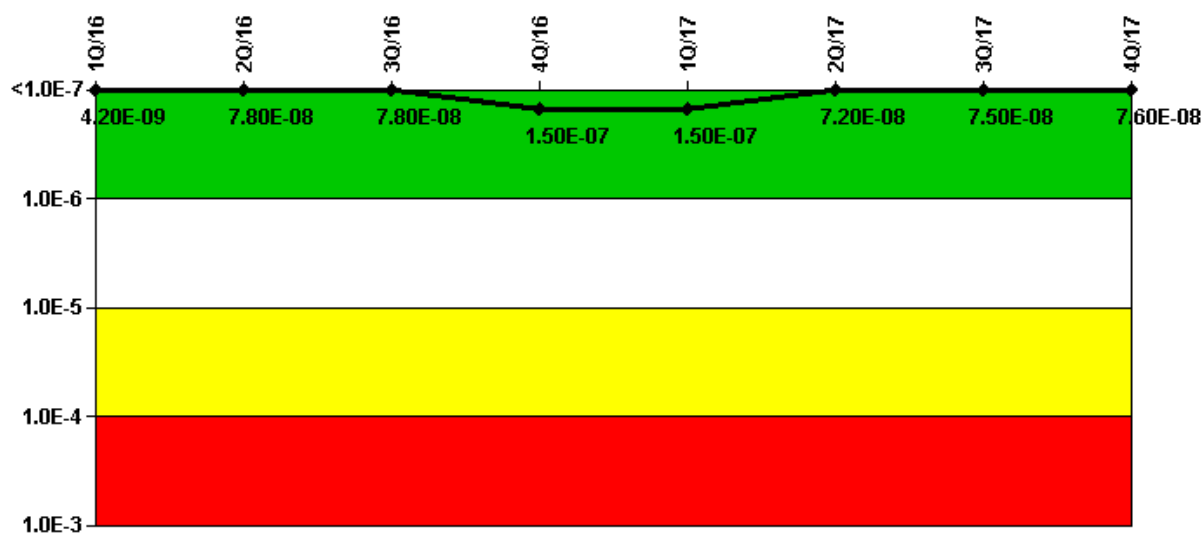
TOP

Licensee Comments:

4Q/17: LER 2017-006 submitted December 1, 2017

2Q/17: LER 2017-003-0 was submitted during June, 2017 for a safety system functional failure involving the Annulus Exhaust Gas Treatment System

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

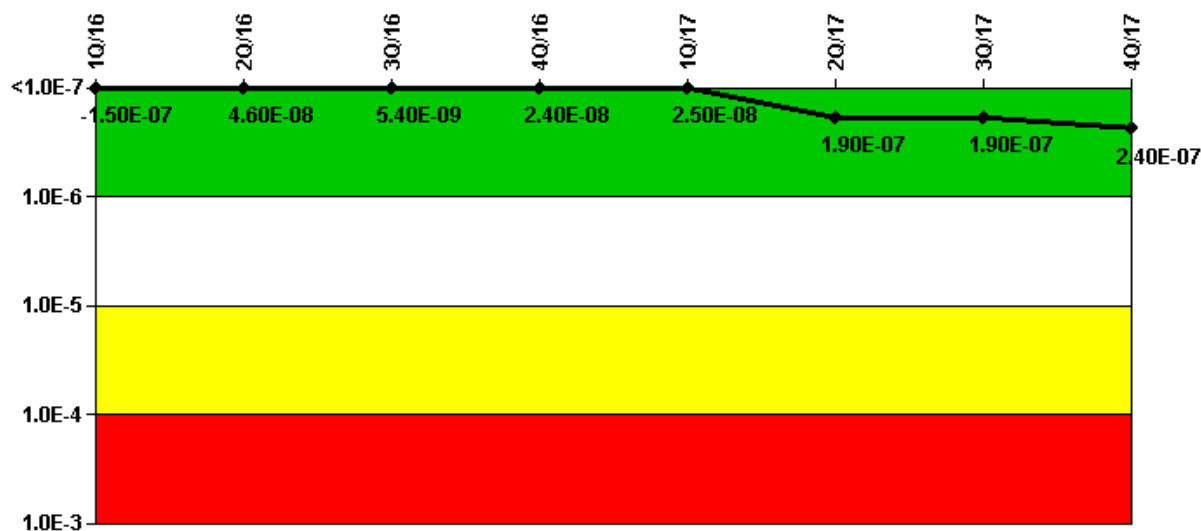
Mitigating Systems Performance Index, Emergency AC Power System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.72E-09	-1.93E-09	-1.87E-09	-1.43E-09	-3.19E-09	-6.31E-09	-3.56E-09	-3.01E-09
URI (ΔCDF)	5.94E-09	7.98E-08	7.98E-08	1.53E-07	1.53E-07	7.86E-08	7.86E-08	7.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.20E-09	7.80E-08	7.80E-08	1.50E-07	1.50E-07	7.20E-08	7.50E-08	7.60E-08

▲ TOP

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

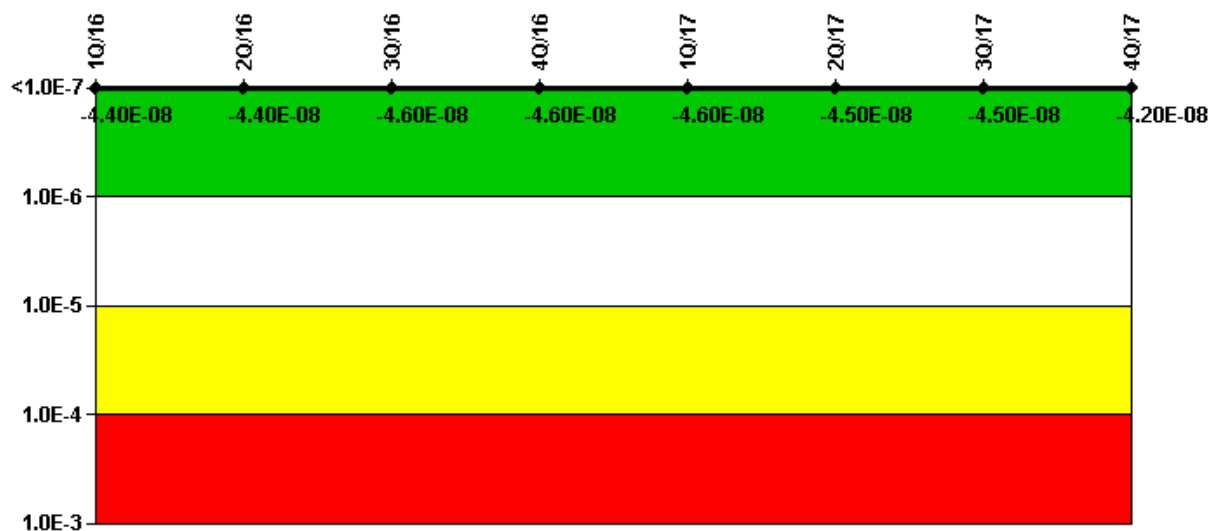
Mitigating Systems Performance Index, High Pressure Injection System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.23E-08	1.82E-07	1.41E-07	1.60E-07	1.61E-07	3.28E-07	3.27E-07	3.78E-07
URI (ΔCDF)	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.36E-07	-1.34E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	4.60E-08	5.40E-09	2.40E-08	2.50E-08	1.90E-07	1.90E-07	2.40E-07

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

Notes

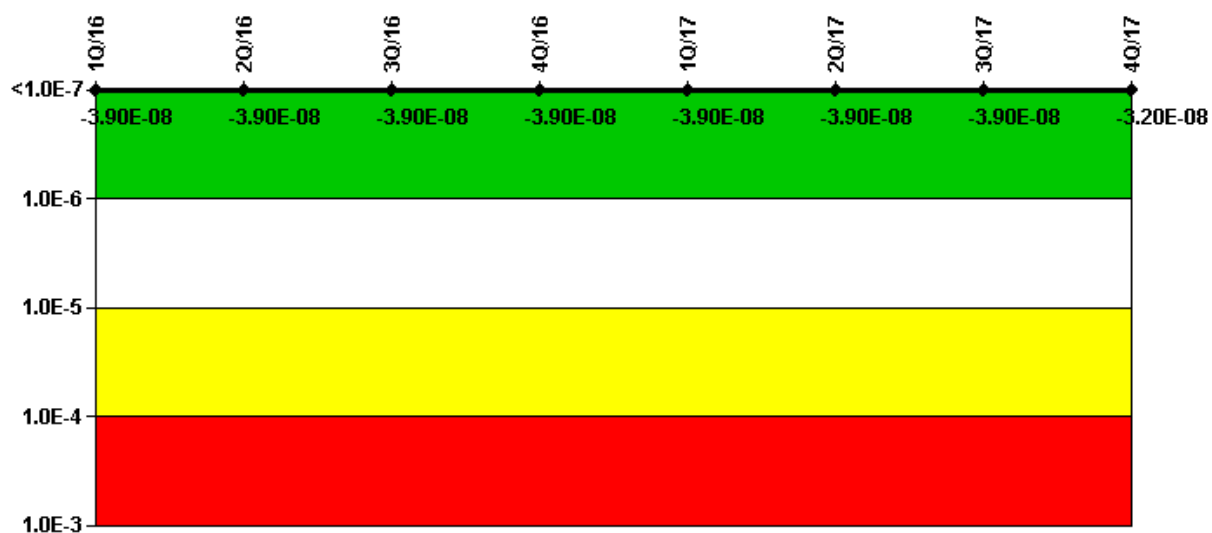
Mitigating Systems Performance Index, Heat Removal System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.04E-08	-1.05E-08	-1.26E-08	-1.26E-08	-1.26E-08	-1.12E-08	-1.12E-08	-1.13E-08
URI (ΔCDF)	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-08	-4.40E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.50E-08	-4.50E-08	-4.20E-08

TOP

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

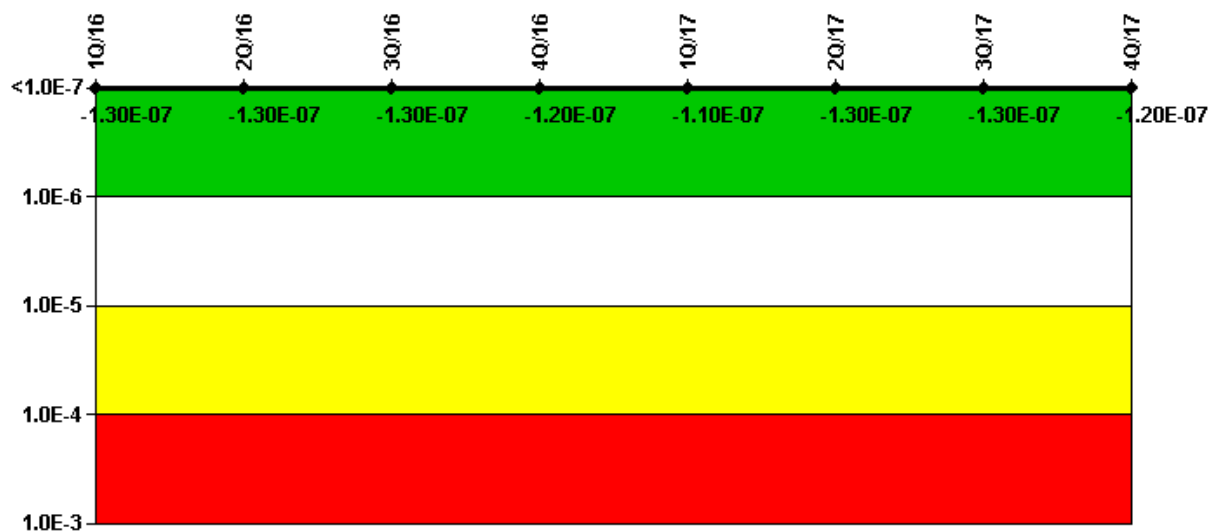
Mitigating Systems Performance Index, Residual Heat Removal System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.09E-08
URI (ΔCDF)	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.20E-08

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Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

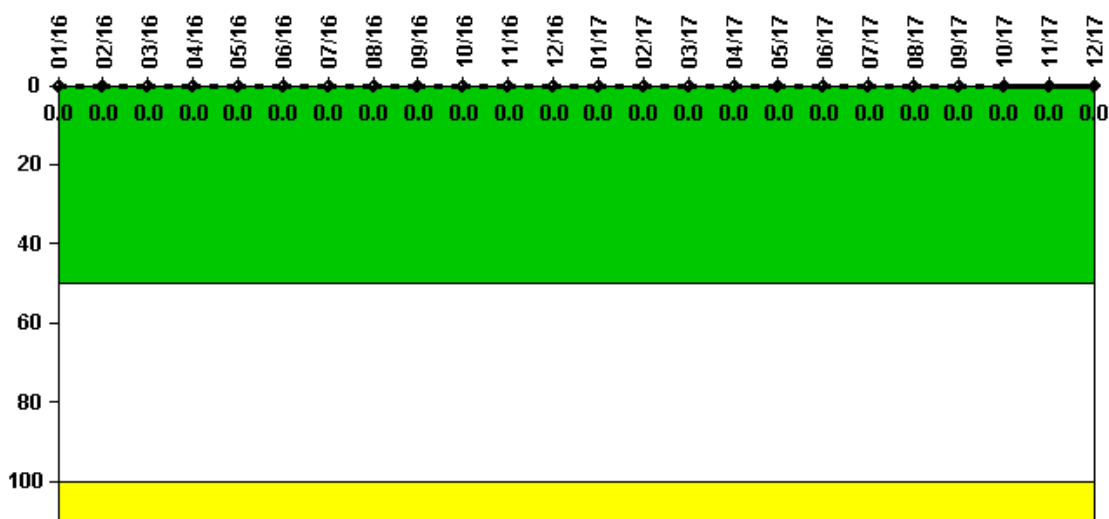
Mitigating Systems Performance Index, Cooling Water Systems

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-3.96E-08	-3.96E-08	-4.51E-08	-2.95E-08	-2.71E-08	-3.92E-08	-4.59E-08	-3.84E-08
URI (ΔCDF)	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.10E-07	-1.30E-07	-1.30E-07	-1.20E-07

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Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

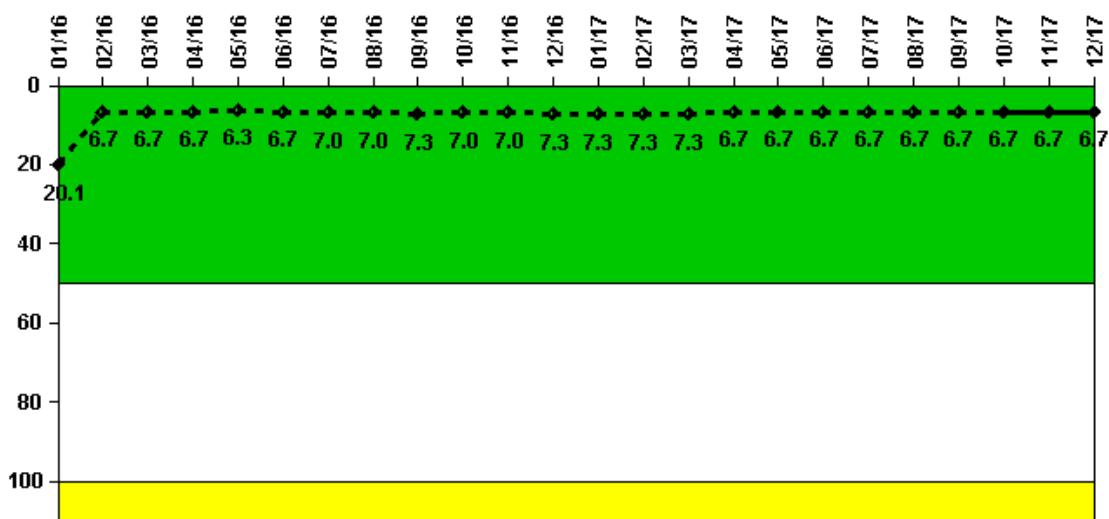
Notes

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	0.000018	0.000014	0.000012	0.000014	0.000015	0.000013	0.000017	0.000018	0.000014	0.000012	0.000012	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	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	0.000014	0.000014	0.000008	0.000005	0.000006	0.000001	0	0.000003	0	0.000002	0.000003	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

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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	6.020	2.000	2.000	2.010	1.900	2.000	2.100	2.100	2.200	2.100	2.100	2.200
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0

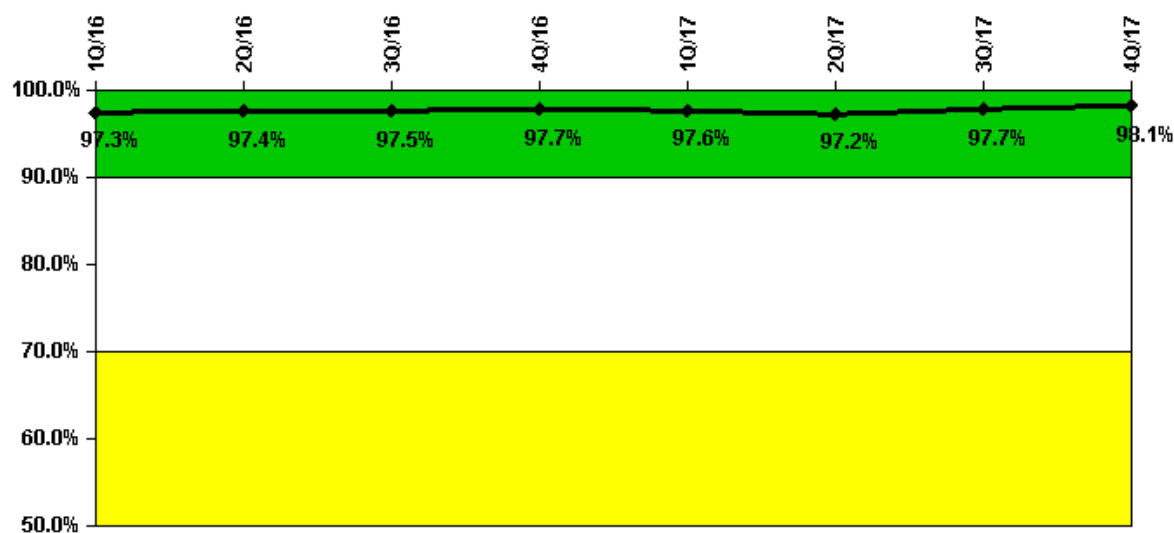
Indicator value	20.1	6.7	6.7	6.7	6.3	6.7	7.0	7.0	7.3	7.0	7.0	7.3
Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	2.200	2.200	2.200	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0

Indicator value	7.3	7.3	7.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

TOP

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

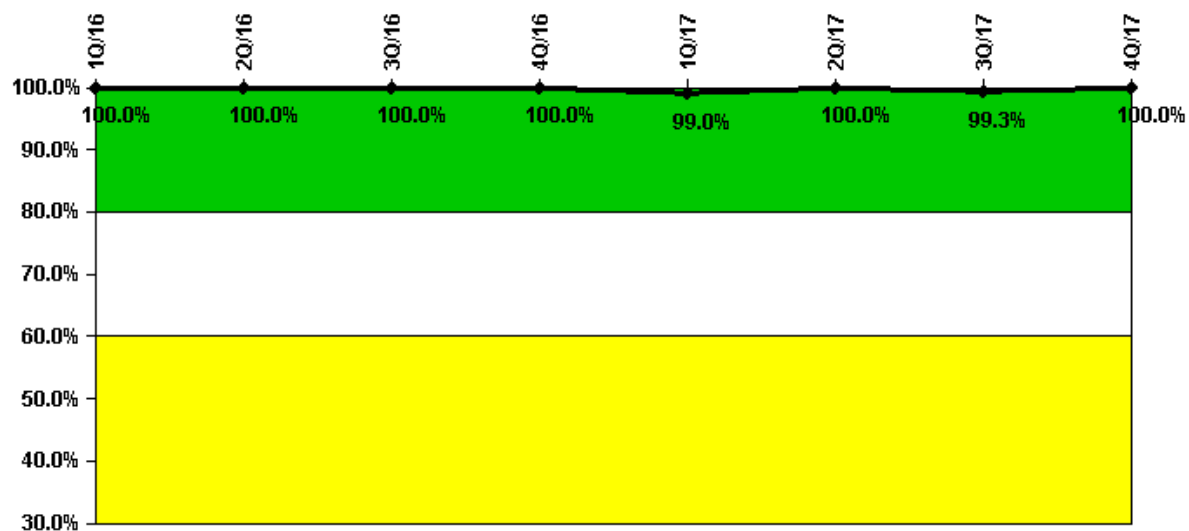
Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	36.0	44.0	35.0	30.0	14.0	29.0	34.0	32.0
Total opportunities	38.0	44.0	36.0	30.0	14.0	31.0	34.0	32.0

Indicator value 97.3% 97.4% 97.5% 97.7% 97.6% 97.2% 97.7% 98.1%

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Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

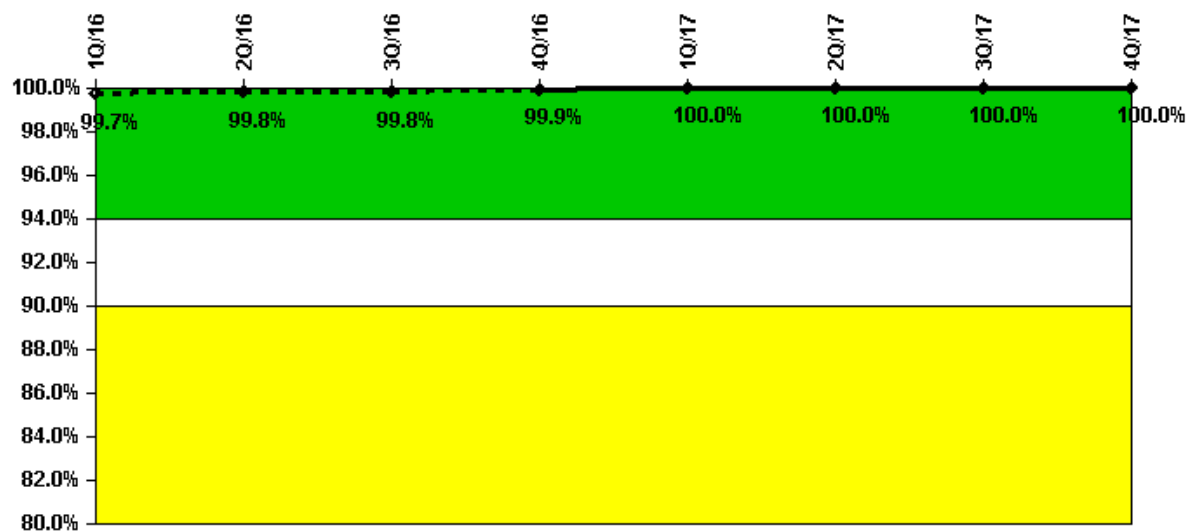
Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	179.0	179.0	183.0	188.0	198.0	200.0	151.0	153.0
Total Key personnel	179.0	179.0	183.0	188.0	200.0	200.0	152.0	153.0

Indicator value 100.0% 100.0% 100.0% 100.0% 99.0% 100.0% 99.3% 100.0%

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Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

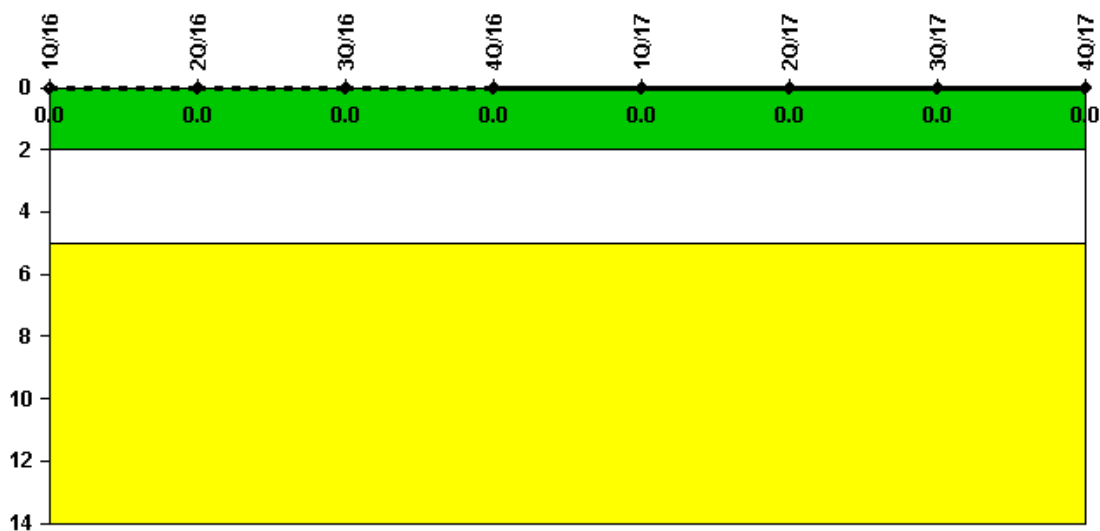
Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	987	988	980	988	988	988	979	966
Total sirens-tests	988	988	981	988	988	988	979	966

Indicator value **99.7% 99.8% 99.8% 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

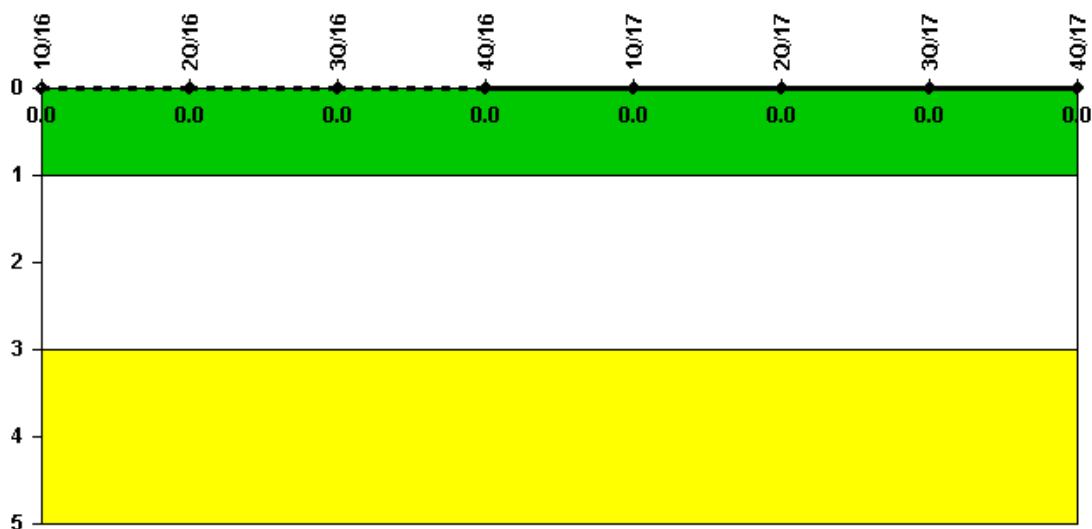
Occupational Exposure Control Effectiveness1Q/162Q/163Q/164Q/161Q/172Q/173Q/174Q/17

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 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

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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: February 1, 2018

Page Last Reviewed/Updated Monday, November 06, 2017