

Catawba 1

1Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



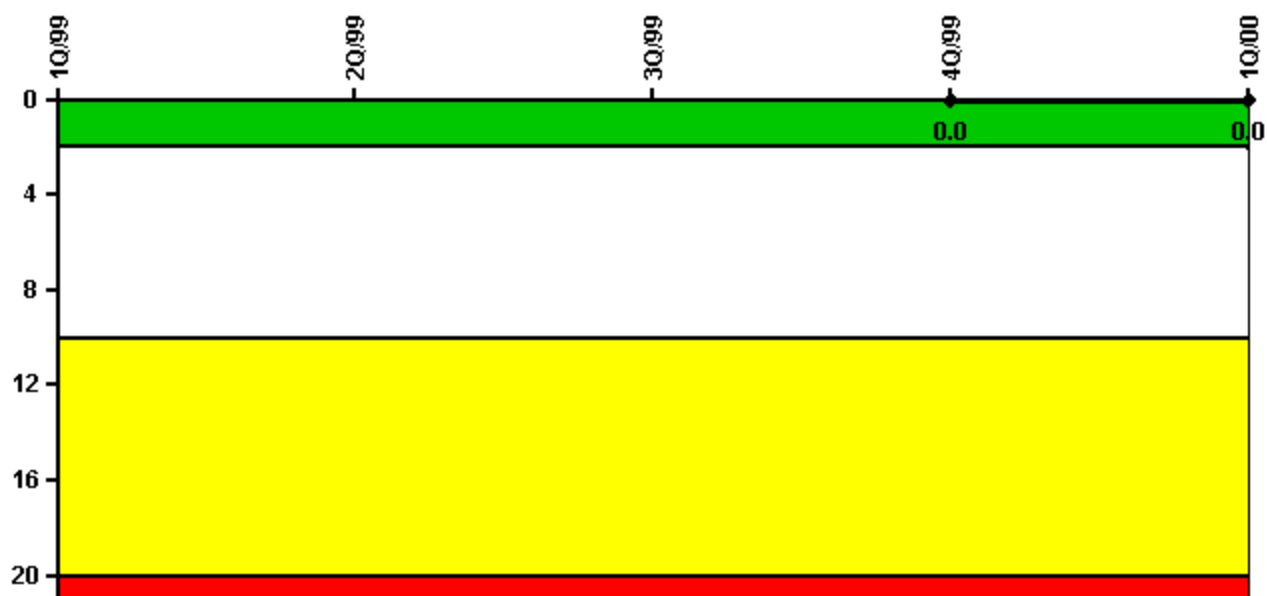
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	0	0	1.0
Critical hours	2160.0	1429.0	2208.0	2209.0	2163.0
Indicator value	0	0	0	0	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



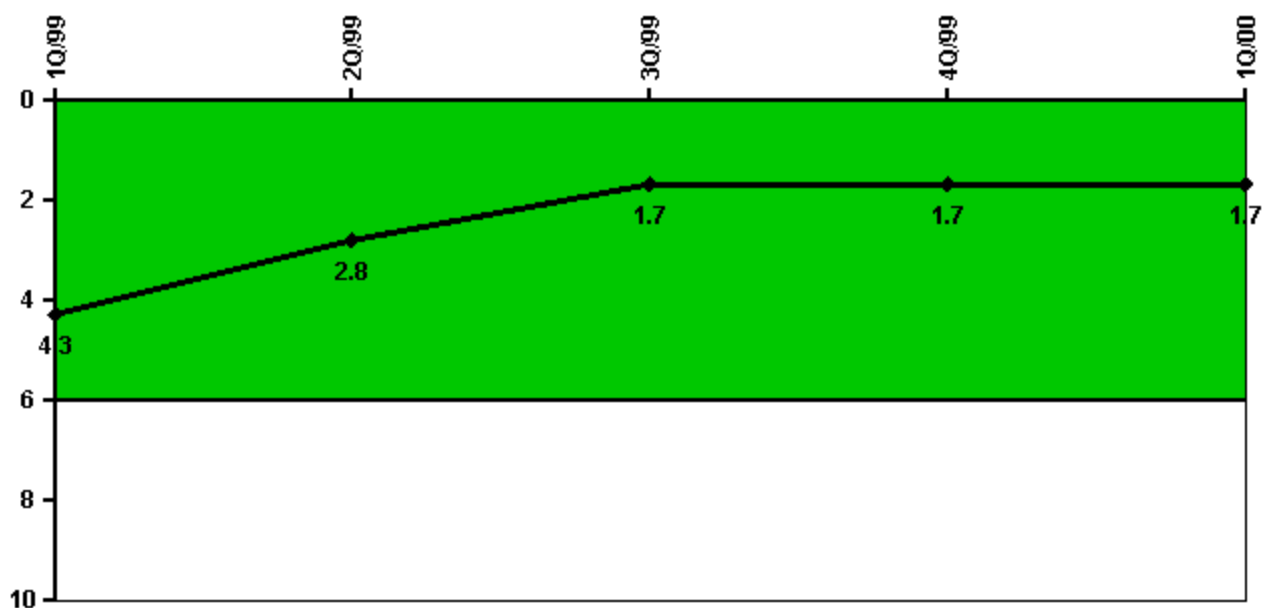
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

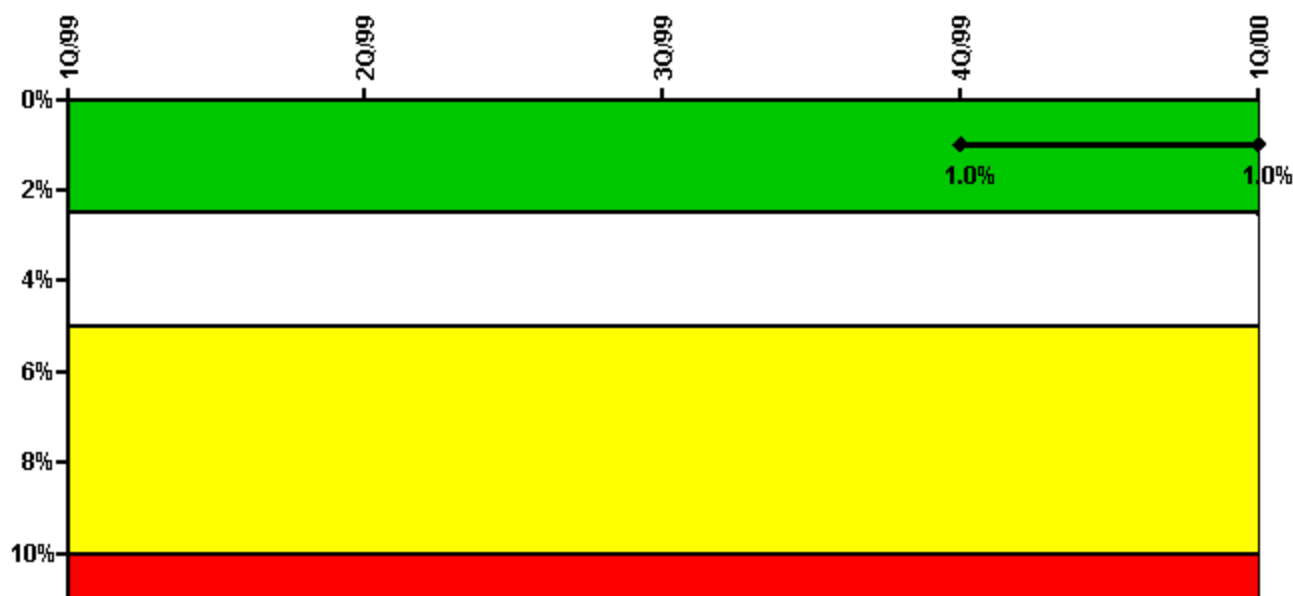
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	1.0	0	1.0	0	1.0
Critical hours	2160.0	1429.0	2208.0	2209.0	2163.0
Indicator value	4.3	2.8	1.7	1.7	1.7

Licensee Comments:

4Q/99: An unplanned power change was incorrectly reported for 11/1999. This power reduction had been planned greater than 72 hours prior to execution. Therefore, 1 unplanned power change has been removed from data reported for the 4th quarter, 1999. {Revised June, 2000}

Safety System Unavailability, Emergency AC Power



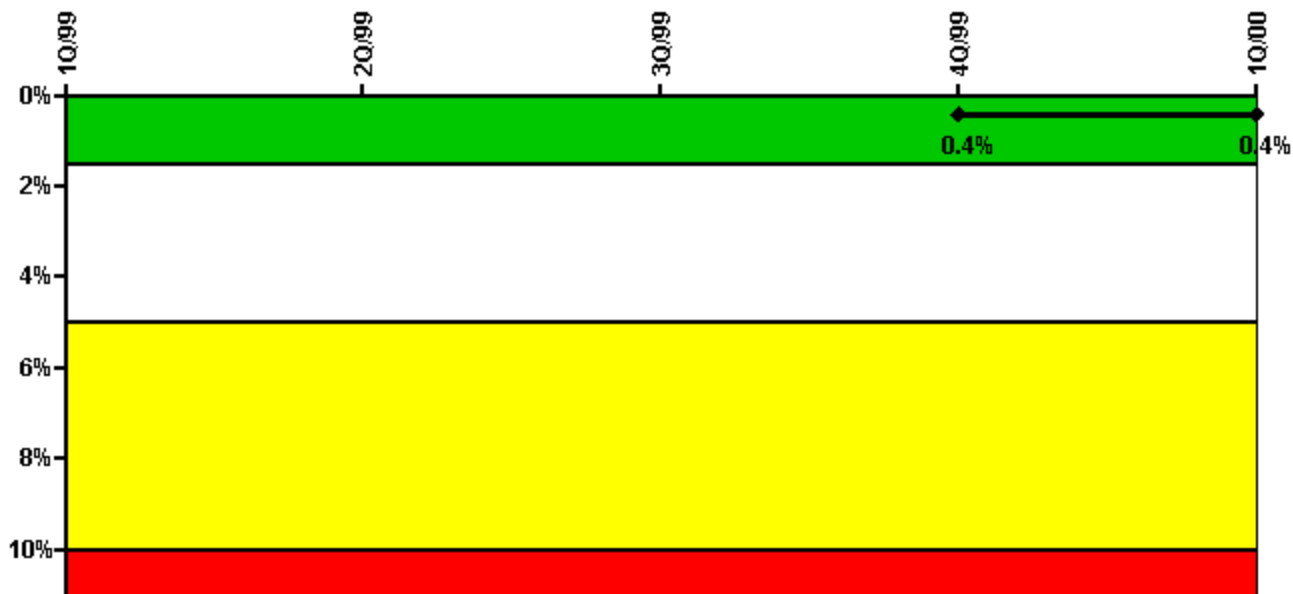
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	9.98	50.33	10.54	79.82	44.59
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	2208.00	2184.00
Train 2					
Planned unavailable hours	4.80	7.55	19.30	12.73	2.04
Unplanned unavailable hours	0	4.85	0	95.83	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	2208.00	2184.00
Indicator value				1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	4.20	0	0.30	4.50	1.80
Unplanned unavailable hours	0	0	0	0	4.40
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1533.00	2208.00	2208.00	2184.00
Train 2					
Planned unavailable hours	0	0	31.80	14.40	15.60
Unplanned unavailable hours	0	124.70	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1533.00	2208.00	2208.00	2184.00
Train 3					
Planned unavailable hours	12.00	0	0	8.30	1.80
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	2160.00	1533.00	2208.00	2208.00	2184.00
Train 4					
Planned unavailable hours	4.90	0	4.70	0	0
Unplanned unavailable hours	11.10	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1533.00	2208.00	2208.00	2184.00
Indicator value				0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



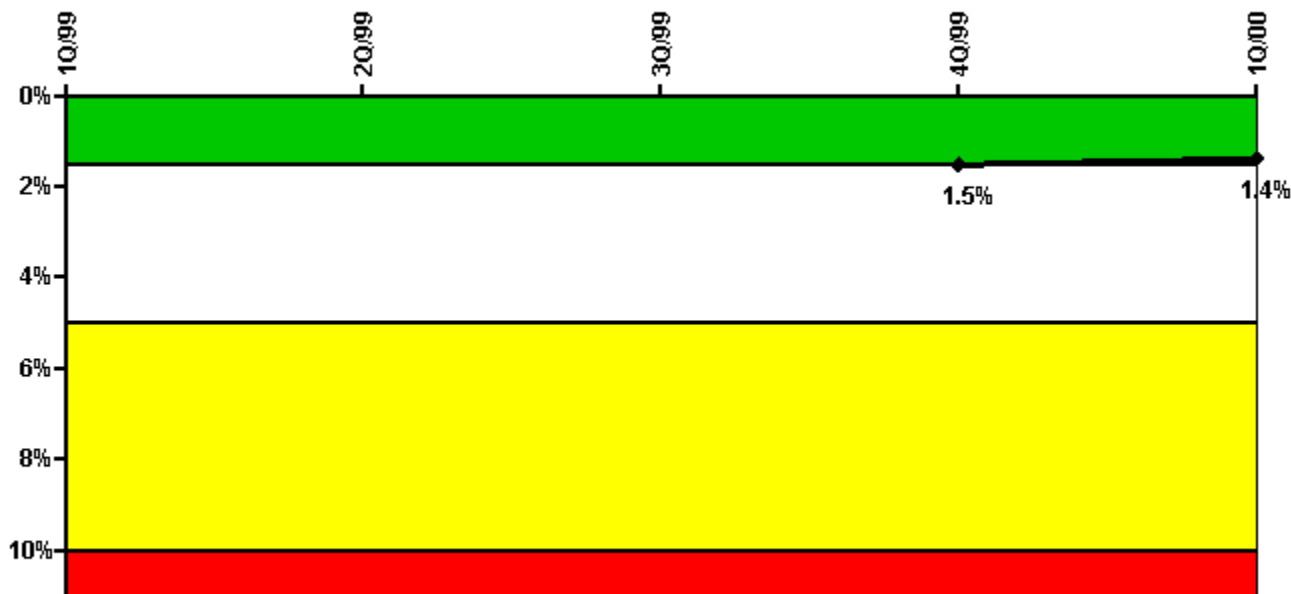
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	1.20	0	49.60	72.00	76.58
Unplanned unavailable hours	0	0	51.10	0	12.10
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1533.30	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	11.20	0	35.00	69.30	50.33
Unplanned unavailable hours	0	0	20.40	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1533.30	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	12.00	10.70	19.10	9.20	10.19
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	1533.30	2208.00	2209.00	2184.00
Indicator value				0.8%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	32.00	32.30	11.60	31.60	26.50
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	2160.00	1981.00	2208.00	2208.00	2184.00
Train 2					
Planned unavailable hours	2.50	2.35	12.60	7.50	0.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1981.00	2208.00	2208.00	2184.00
Indicator value				1.5%	1.4%

Licensee Comments:

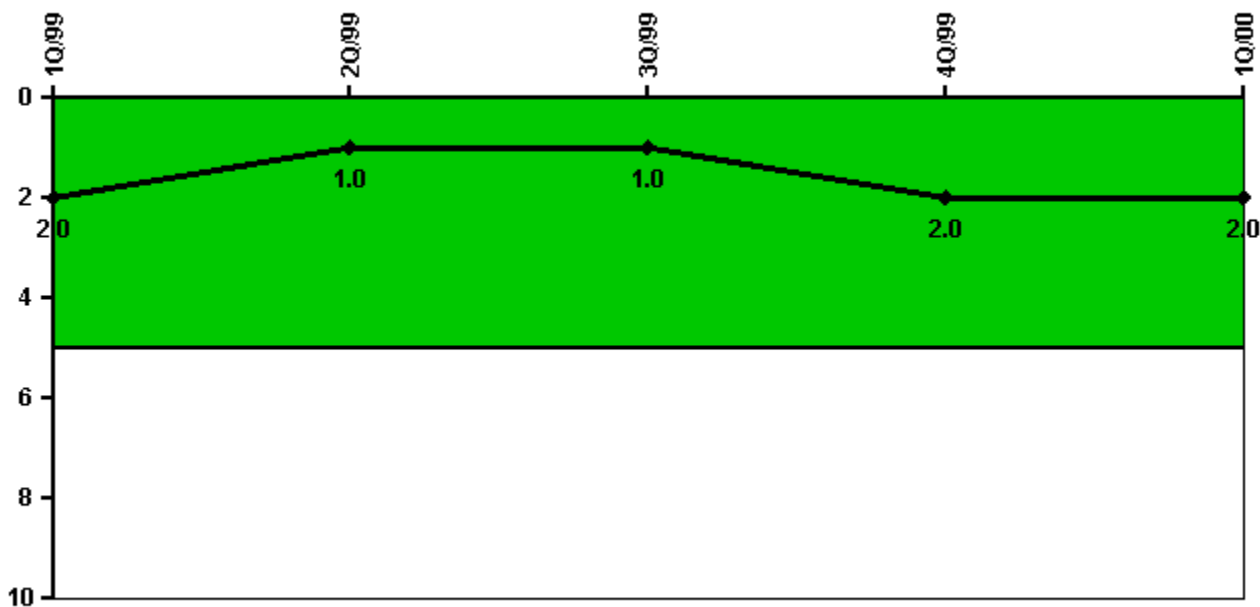
1Q/00: This indicator is in the WHITE band because of the assignment of fault exposure hours as required by the reporting guidelines for this performance indicator. These fault hours resulted from a failure of a valve to stroke during a routine surveillance test performed in May 1997. The valve was repaired and successfully tested. In accordance with the reporting guidelines, the licensee is pursuing resetting these hours. This indicator, therefore, is expected to return to the GREEN band by the end of 2Q/2000.

4Q/98: Corrected data entry error (2Q2001)

2Q/97: Based on guidance in NEI 99-02, Rev 0, no fault hours should have been assigned for a situation that occurred in May, 1997. Therefore, 851 fault exposure hours have been removed from Train 2 hours reported for 2nd quarter, 1997. {Revised June, 2000}

1Q/97: Based on guidance in NEI 99-02, Rev 0, no fault hours should have been assigned for an situation that was discovered in May, 1997. Therefore, 156 fault exposure hours have been removed from Train 2 hours reported for 1st quarter, 1997. {Revised June, 2000}

Safety System Functional Failures (PWR)



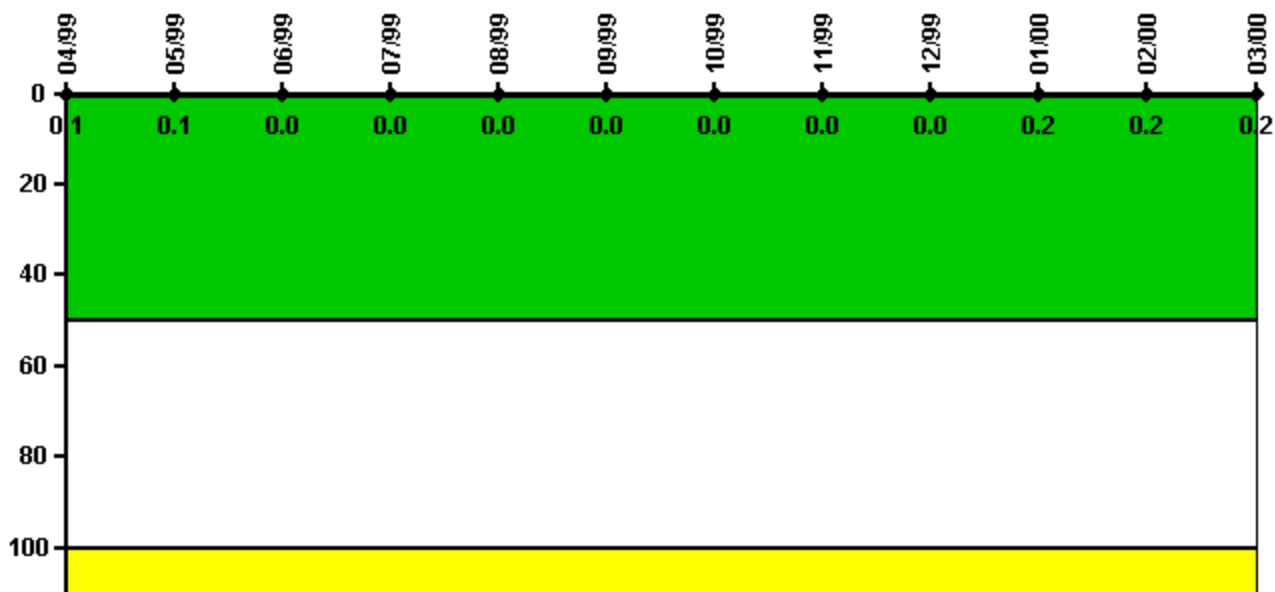
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

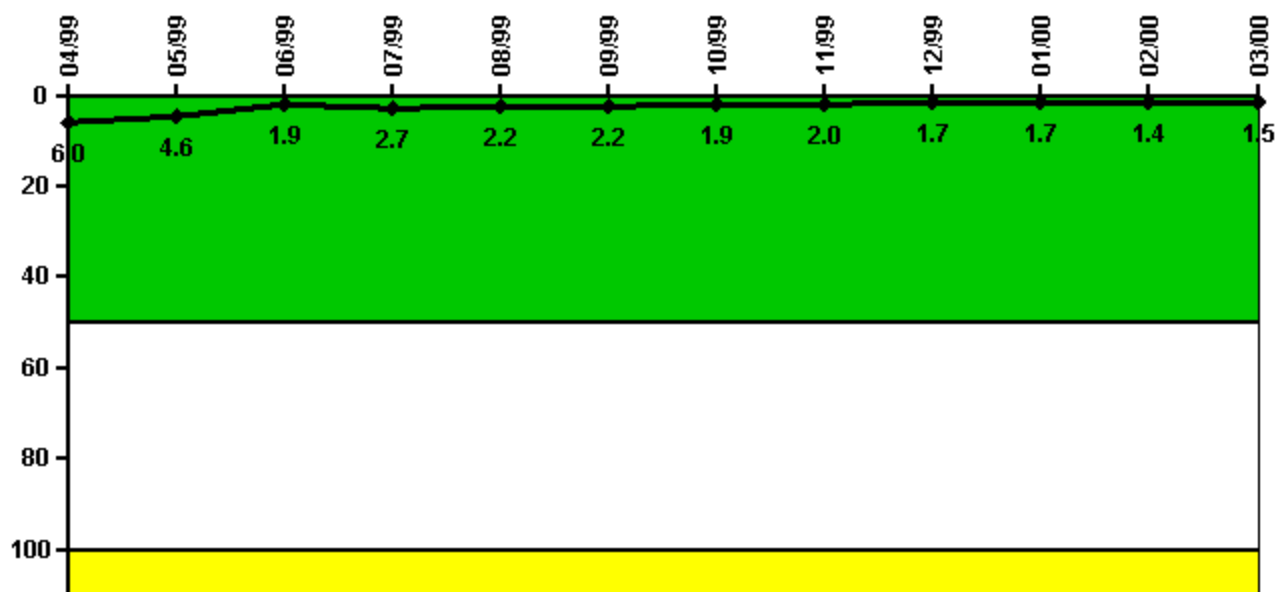
Notes

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	0.001000	0.000500	0.000200	0.000150	0.000160	0.000220	0.000160	0.000130	0.000110	0.000110	0.000120	0.000120
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.1	0.1
Indicator value	0.1	0.1	0	0	0	0	0	0	0	0.2	0.2	0.2

Licensee Comments:

3/00: Amended TS limit for RCS activity from 1 to 0.064 micro Curies per gram DEI based on the response to FAQ 72 issued in NEI 99-02, Revision 0.

Reactor Coolant System Leakage



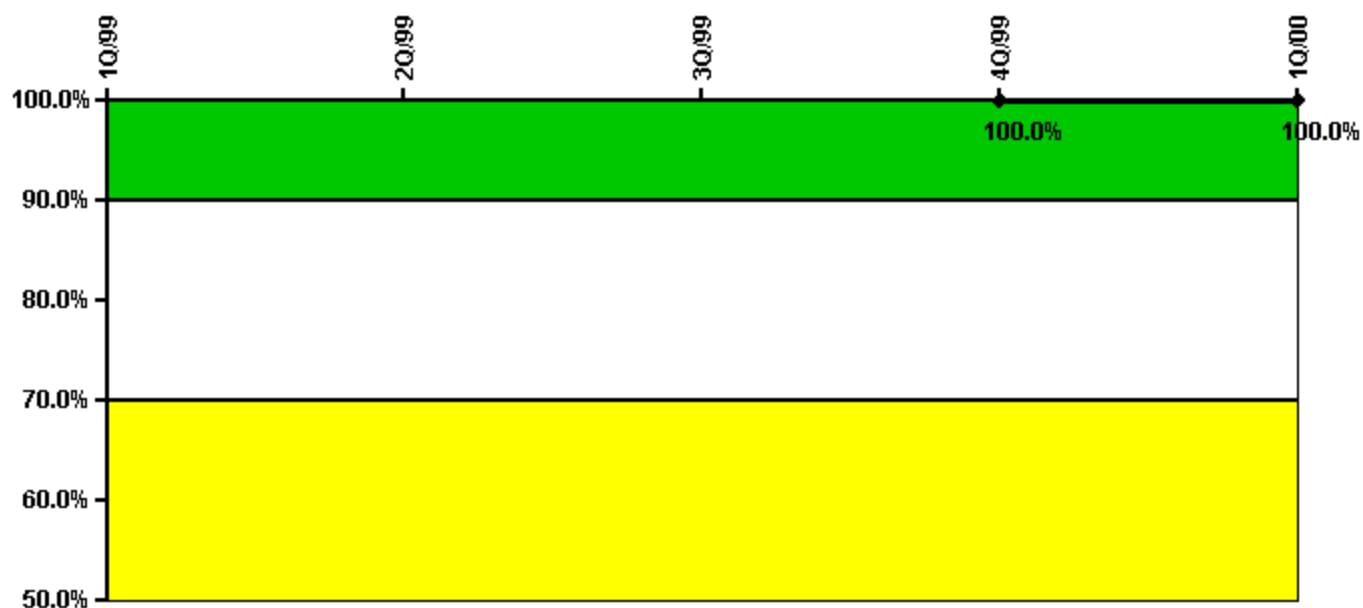
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	0.604	0.456	0.194	0.272	0.218	0.215	0.189	0.198	0.167	0.172	0.144	0.145
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	6.0	4.6	1.9	2.7	2.2	2.2	1.9	2.0	1.7	1.7	1.4	1.5

Licensee Comments: none

Drill/Exercise Performance



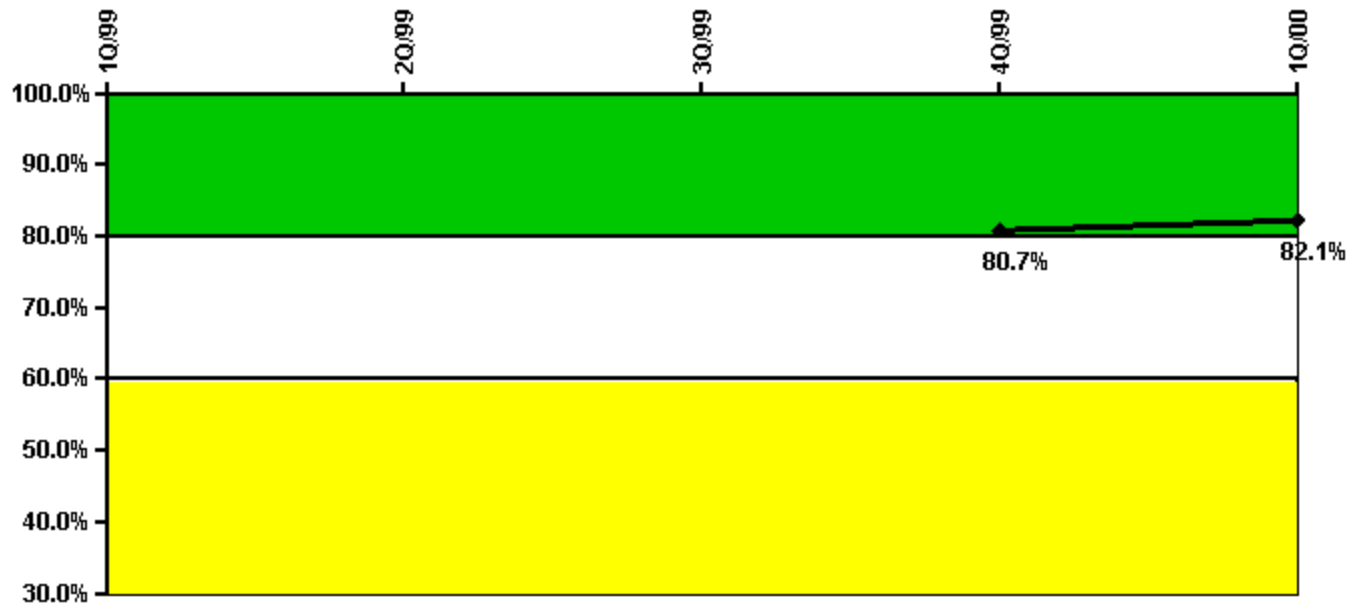
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	9.0	8.0	9.0	0	21.0
Total opportunities	9.0	8.0	9.0	0	21.0
Indicator value				100.0%	100.0%

Licensee Comments: none

ERO Drill Participation



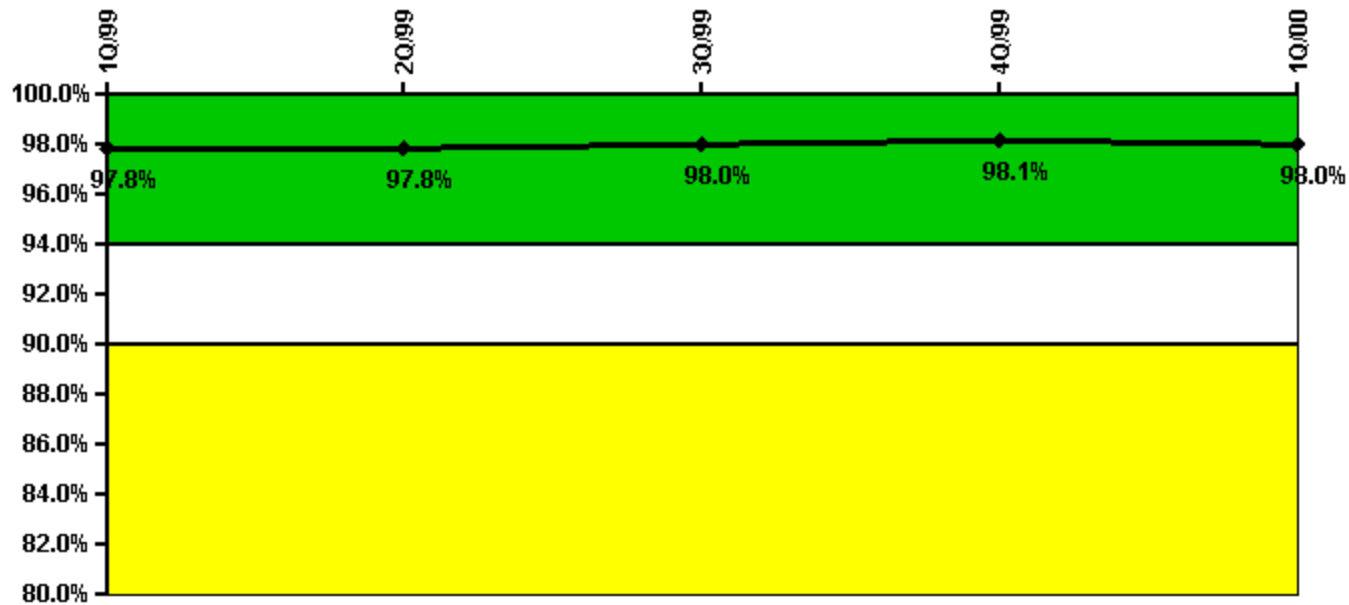
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				151.0	161.0
Total Key personnel				187.0	196.0
Indicator value				80.7%	82.1%

Licensee Comments: none

Alert & Notification System



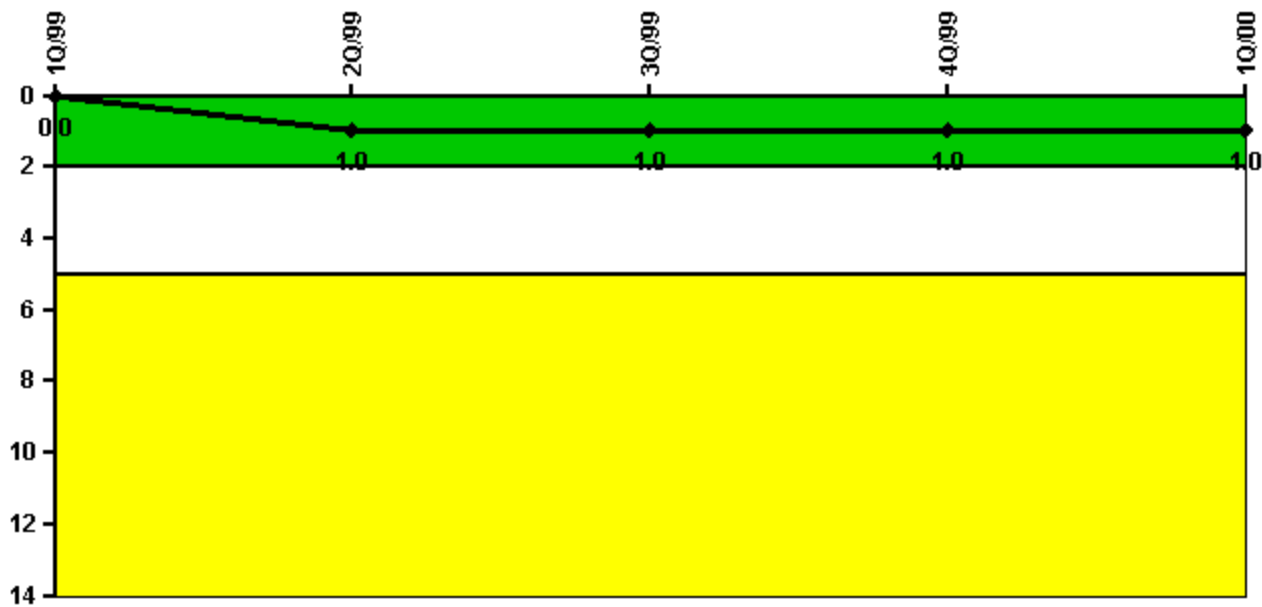
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	2139	2238	2203	2226	2213
Total sirens-tests	2188	2276	2247	2264	2276
Indicator value	97.8%	97.8%	98.0%	98.1%	98.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



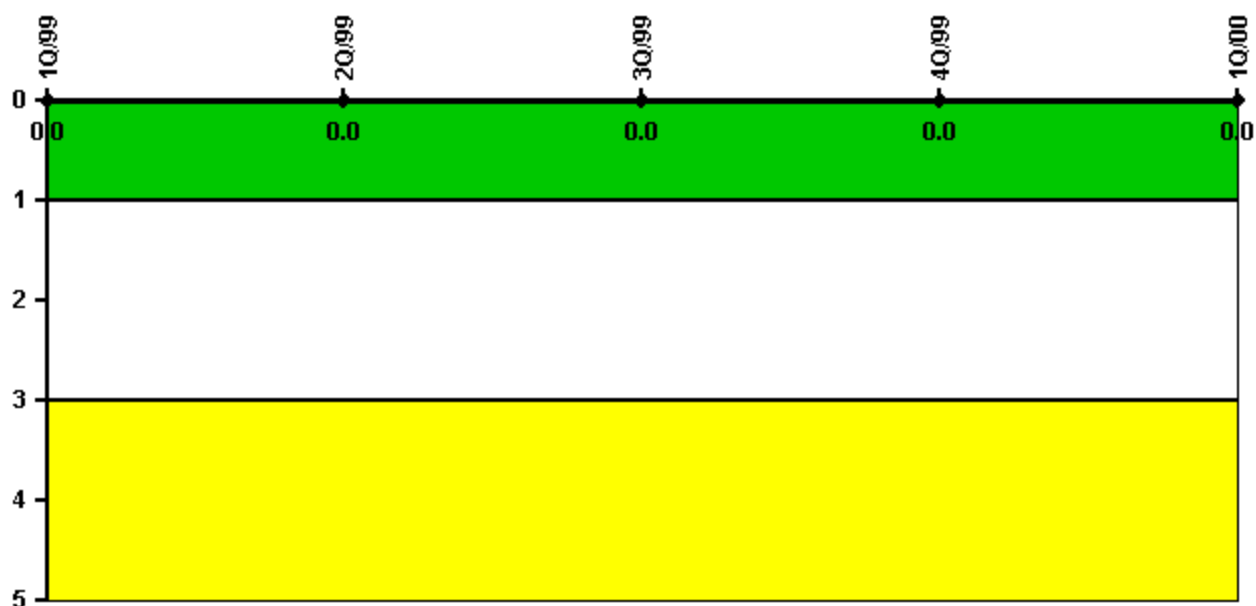
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



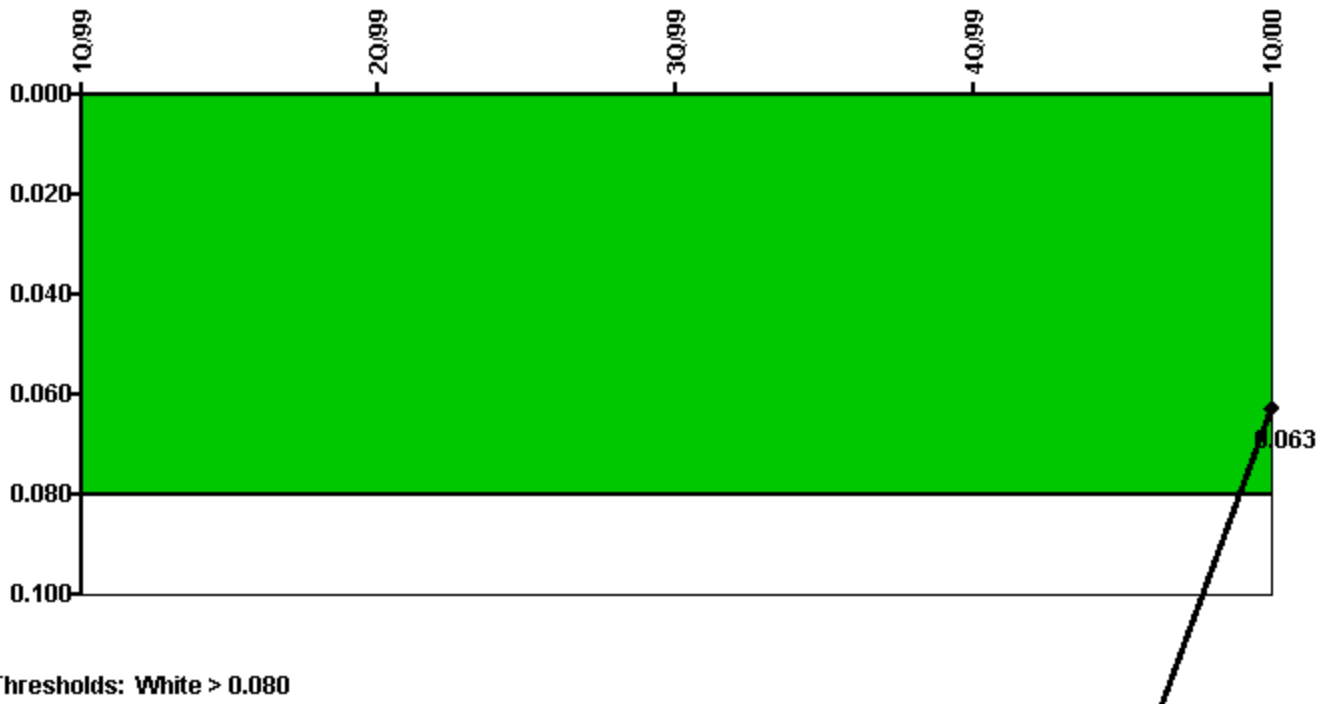
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

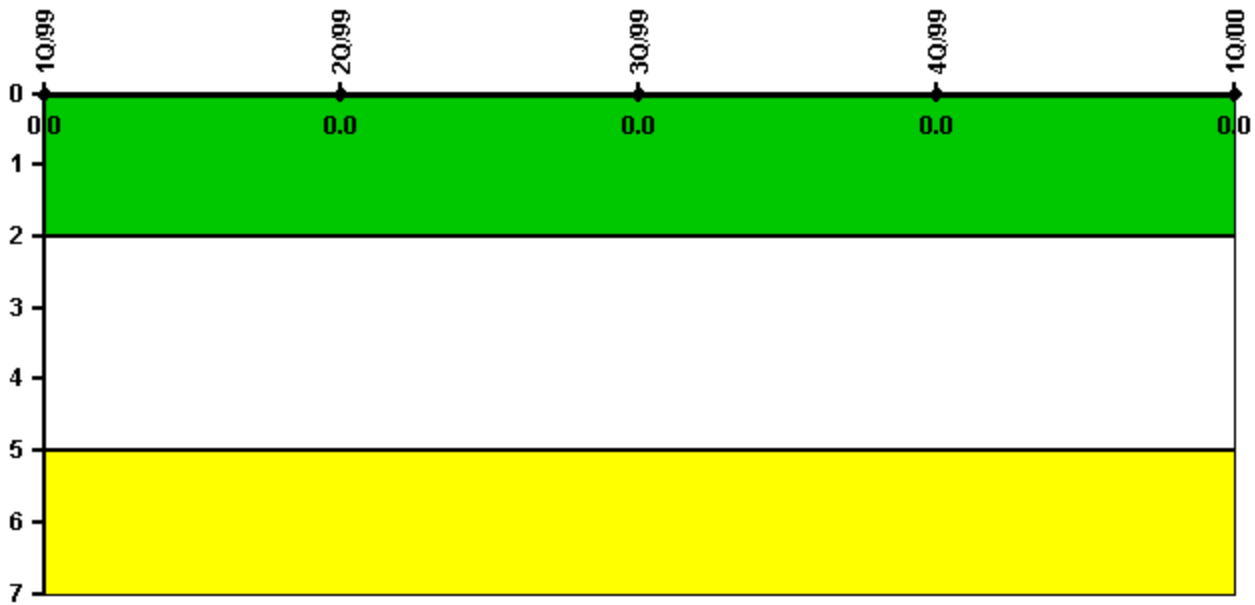


Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	100.70	37.29	401.80	88.80	37.50
CCTV compensatory hours	2879.5	764.0	0	5.4	105.0
IDS normalization factor	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.671	0.553	0.367	0.223	0.063

Licensee Comments: none

Personnel Screening Program



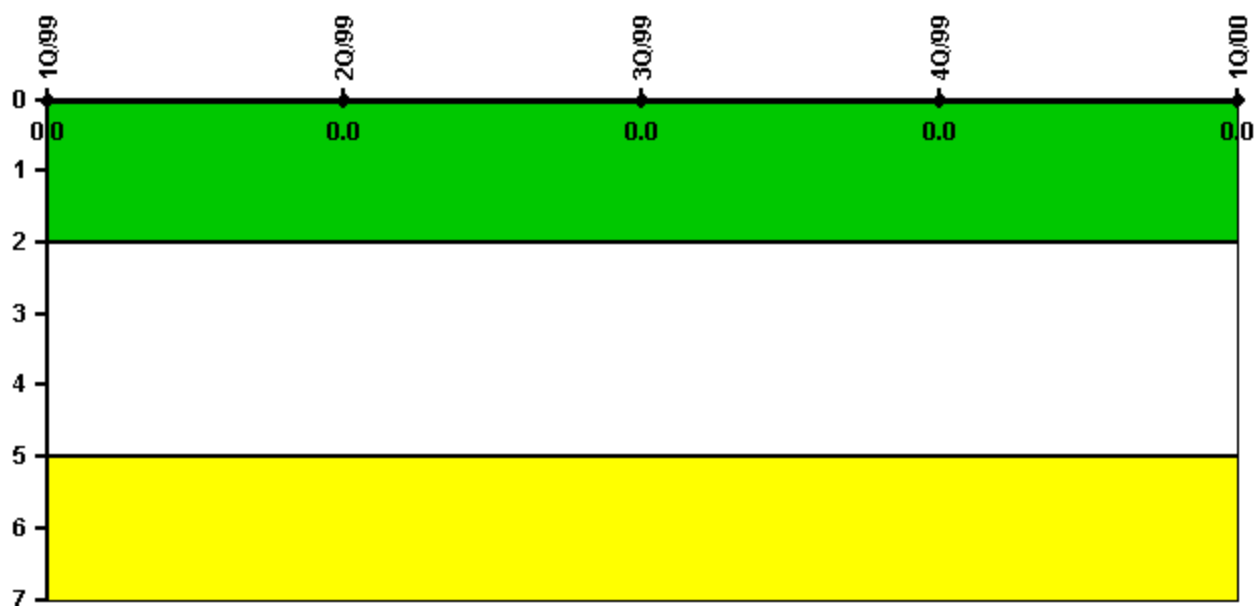
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



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

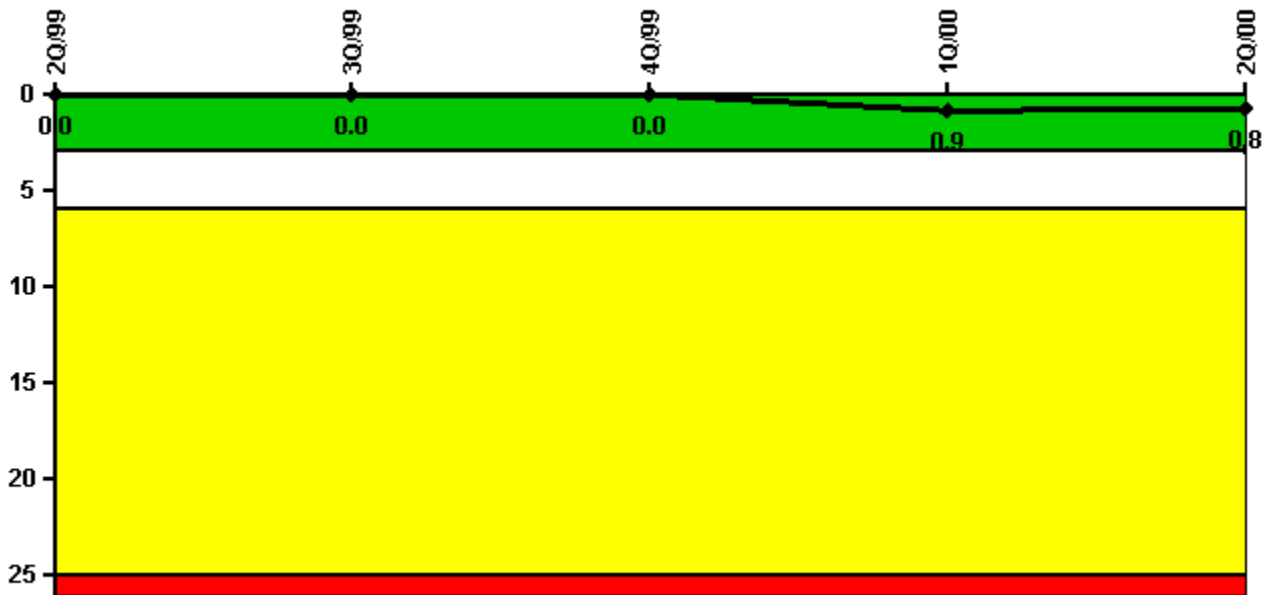
Last Modified: April 1, 2002

Catawba 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	1.0	0
Critical hours	1429.0	2208.0	2209.0	2163.0	2183.0
Indicator value	0	0	0	0.9	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



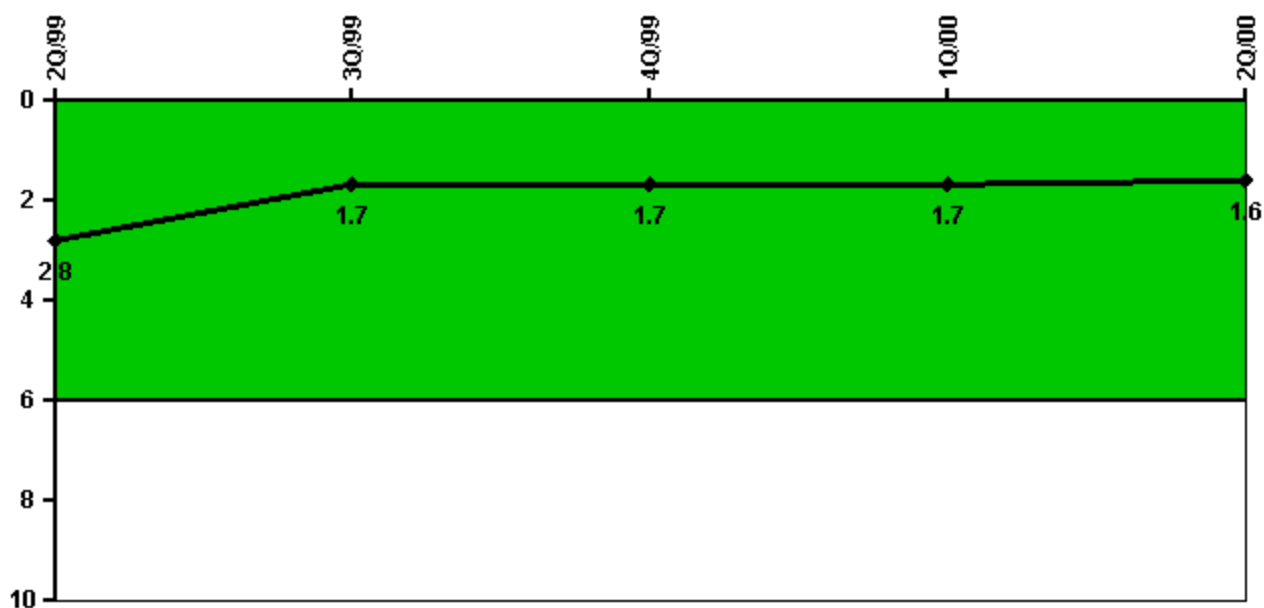
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/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

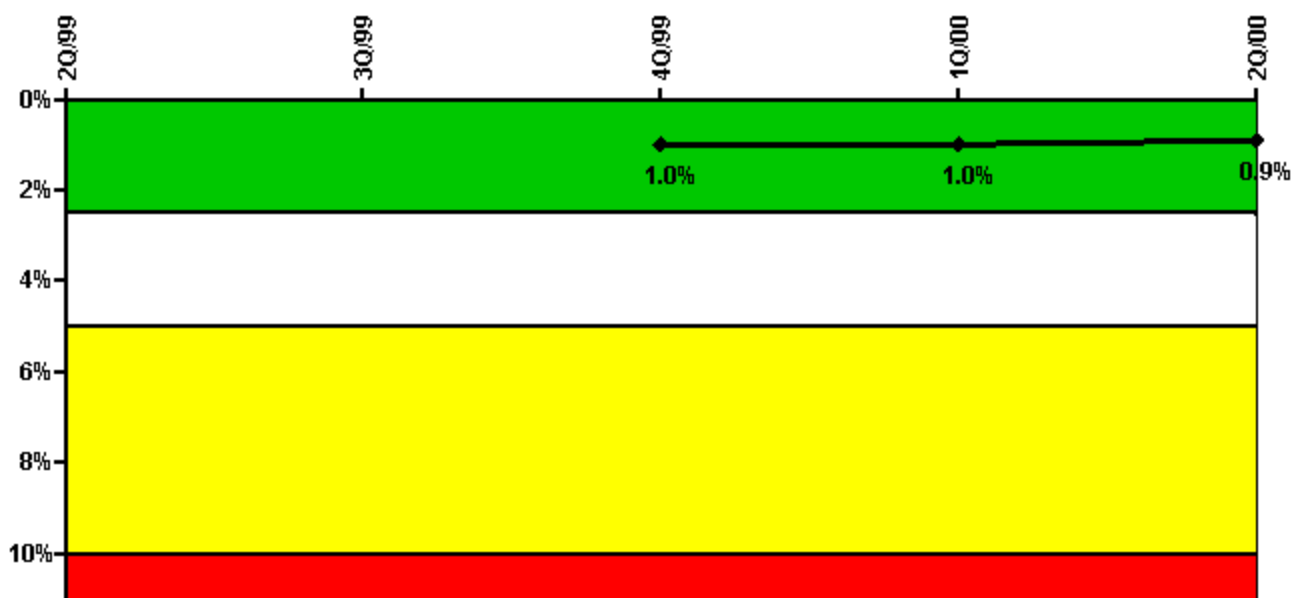
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	1.0	0	1.0	0
Critical hours	1429.0	2208.0	2209.0	2163.0	2183.0
Indicator value	2.8	1.7	1.7	1.7	1.6

Licensee Comments:

4Q/99: An unplanned power change was incorrectly reported for 11/1999. This power reduction had been planned greater than 72 hours prior to execution. Therefore, 1 unplanned power change has been removed from data reported for the 4th quarter, 1999. {Revised June, 2000}

Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	50.33	10.54	79.82	44.59	4.71
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	2208.00	2184.00	2184.00
Train 2					
Planned unavailable hours	7.55	19.30	12.73	2.04	3.53
Unplanned unavailable hours	4.85	0	95.83	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2208.00	2184.00	2184.00
Indicator value			1.0%	1.0%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	0.30	4.50	1.80	1.70
Unplanned unavailable hours	0	0	0	4.40	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1533.00	2208.00	2208.00	2184.00	2184.00
Train 2					
Planned unavailable hours	0	31.80	14.40	15.60	4.10
Unplanned unavailable hours	124.70	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1533.00	2208.00	2208.00	2184.00	2184.00
Train 3					
Planned unavailable hours	0	0	8.30	1.80	1.40
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	1533.00	2208.00	2208.00	2184.00	2184.00
Train 4					
Planned unavailable hours	0	4.70	0	0	1.80
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	1533.00	2208.00	2208.00	2184.00	2184.00
Indicator value			0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	49.60	72.00	76.58	20.62
Unplanned unavailable hours	0	51.10	0	12.10	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1533.30	2208.00	2209.00	2184.00	2184.00
Train 2					
Planned unavailable hours	0	35.00	69.30	50.33	50.11
Unplanned unavailable hours	0	20.40	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1533.30	2208.00	2209.00	2184.00	2184.00
Train 3					
Planned unavailable hours	10.70	19.10	9.20	10.19	14.53
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	1533.30	2208.00	2209.00	2184.00	2184.00
Indicator value			0.8%	0.9%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	32.30	11.60	31.60	26.50	27.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1981.00	2208.00	2208.00	2184.00	2184.00
Train 2					
Planned unavailable hours	2.35	12.60	7.50	0.50	27.60
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	1981.00	2208.00	2208.00	2184.00	2184.00
Indicator value			1.5%	1.4%	1.3%

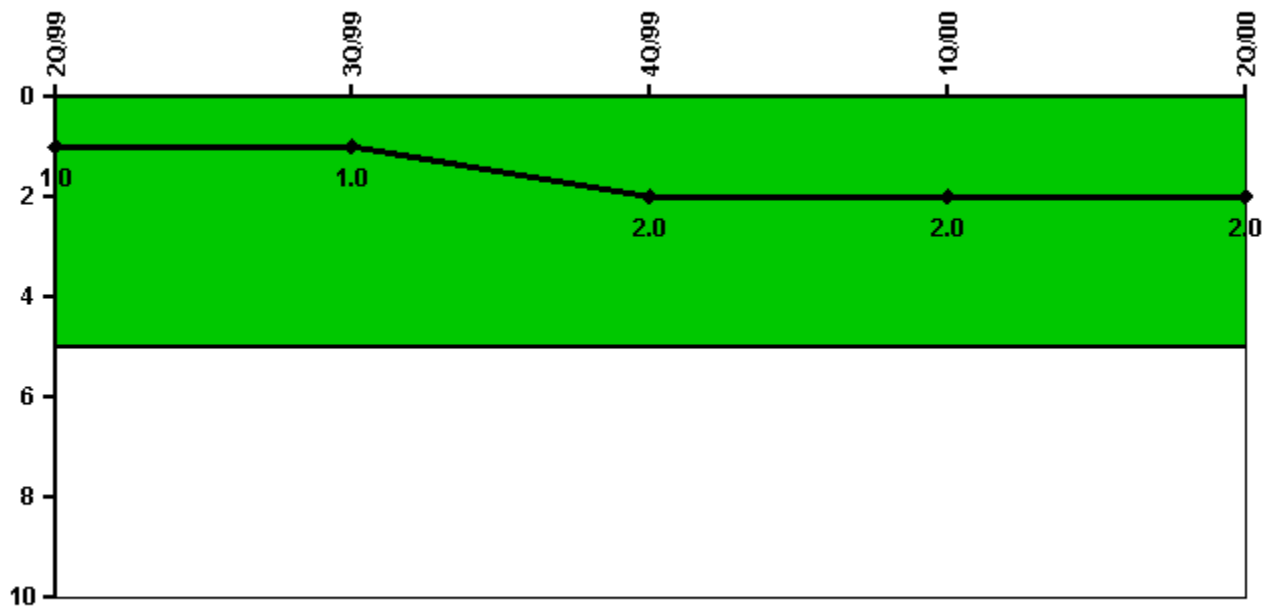
Licensee Comments:

4Q/98: Corrected data entry error (2Q2001)

2Q/97: Based on guidance in NEI 99-02, Rev 0, no fault hours should have been assigned for a situation that occurred in May, 1997. Therefore, 851 fault exposure hours have been removed from Train 2 hours reported for 2nd quarter, 1997. {Revised June, 2000}

1Q/97: Based on guidance in NEI 99-02, Rev 0, no fault hours should have been assigned for an situation that was discovered in May, 1997. Therefore, 156 fault exposure hours have been removed from Train 2 hours reported for 1st quarter, 1997. {Revised June, 2000}

Safety System Functional Failures (PWR)



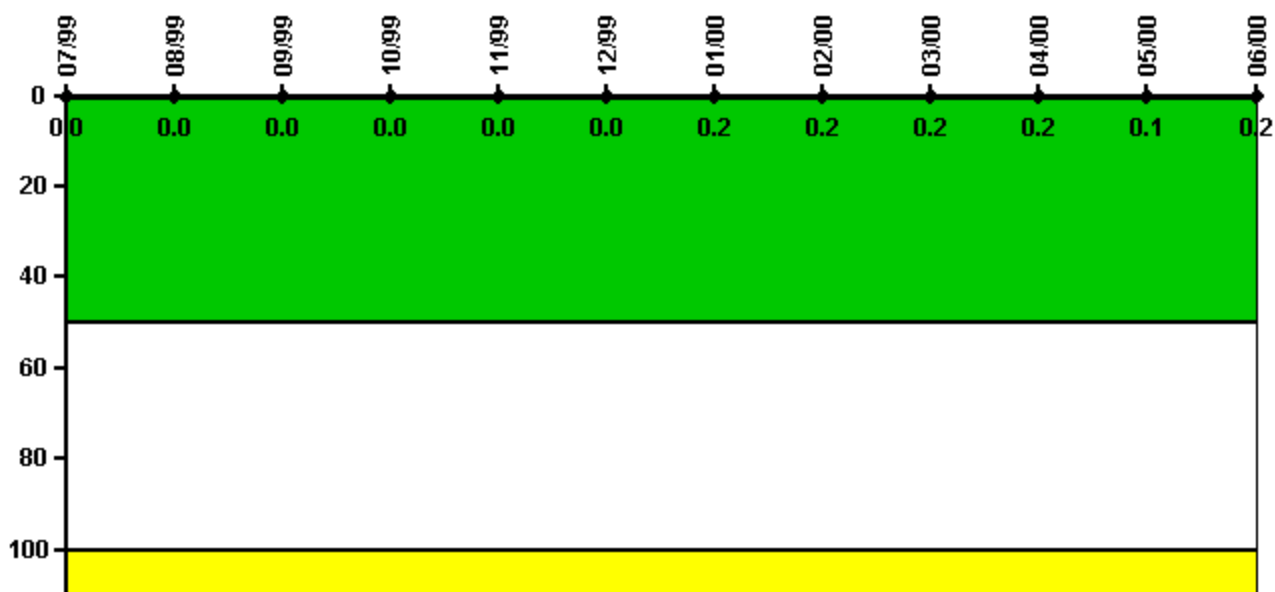
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

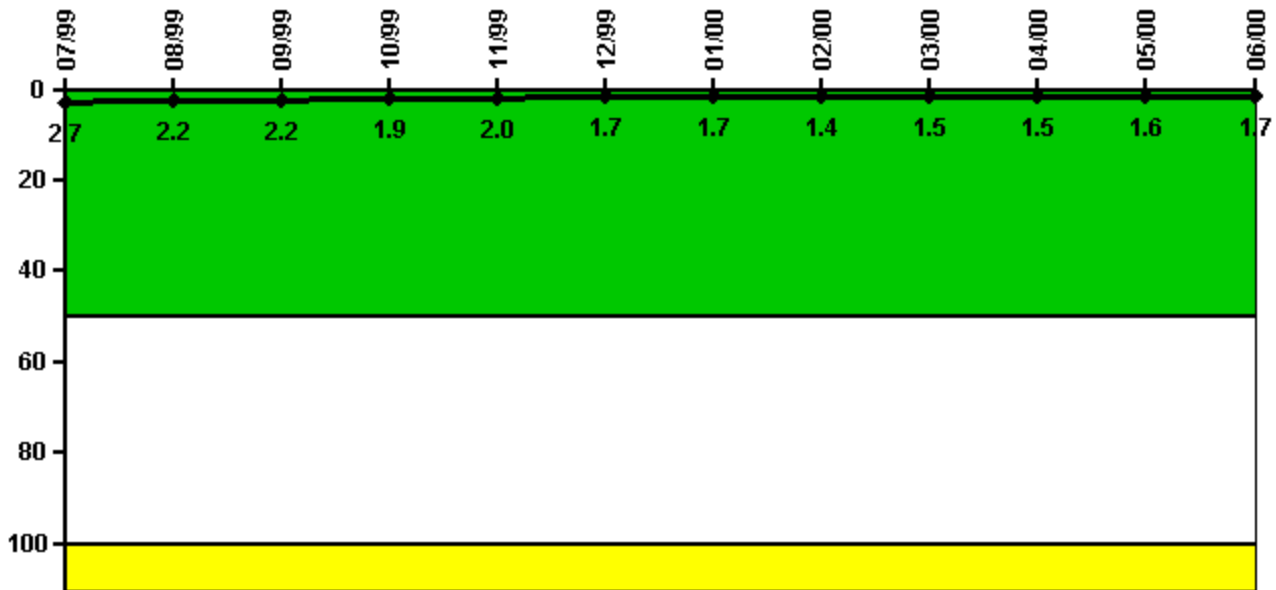
Notes

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	0.000150	0.000160	0.000220	0.000160	0.000130	0.000110	0.000110	0.000120	0.000120	0.000100	0.000095	0.000110
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.1	0.2

Licensee Comments:

3/00: Amended TS limit for RCS activity from 1 to 0.064 micro Curies per gram DEI based on the response to FAQ 72 issued in NEI 99-02, Revision 0.

Reactor Coolant System Leakage



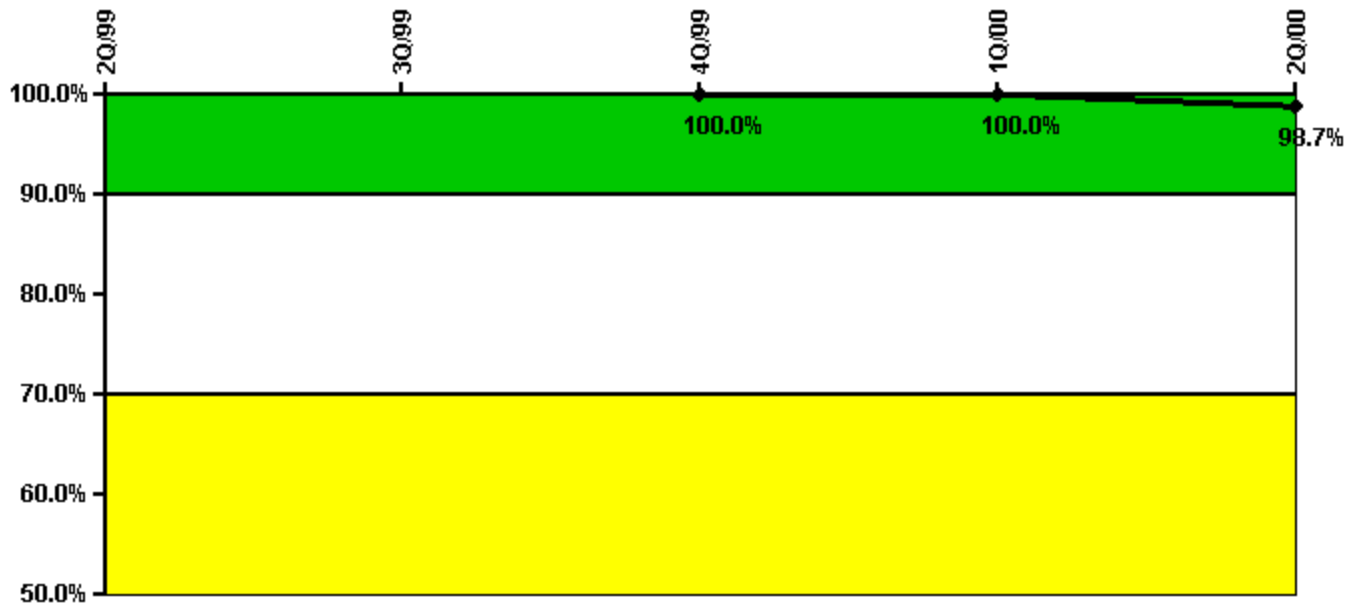
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	0.272	0.218	0.215	0.189	0.198	0.167	0.172	0.144	0.145	0.153	0.156	0.165
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.7	2.2	2.2	1.9	2.0	1.7	1.7	1.4	1.5	1.5	1.6	1.7

Licensee Comments: none

Drill/Exercise Performance



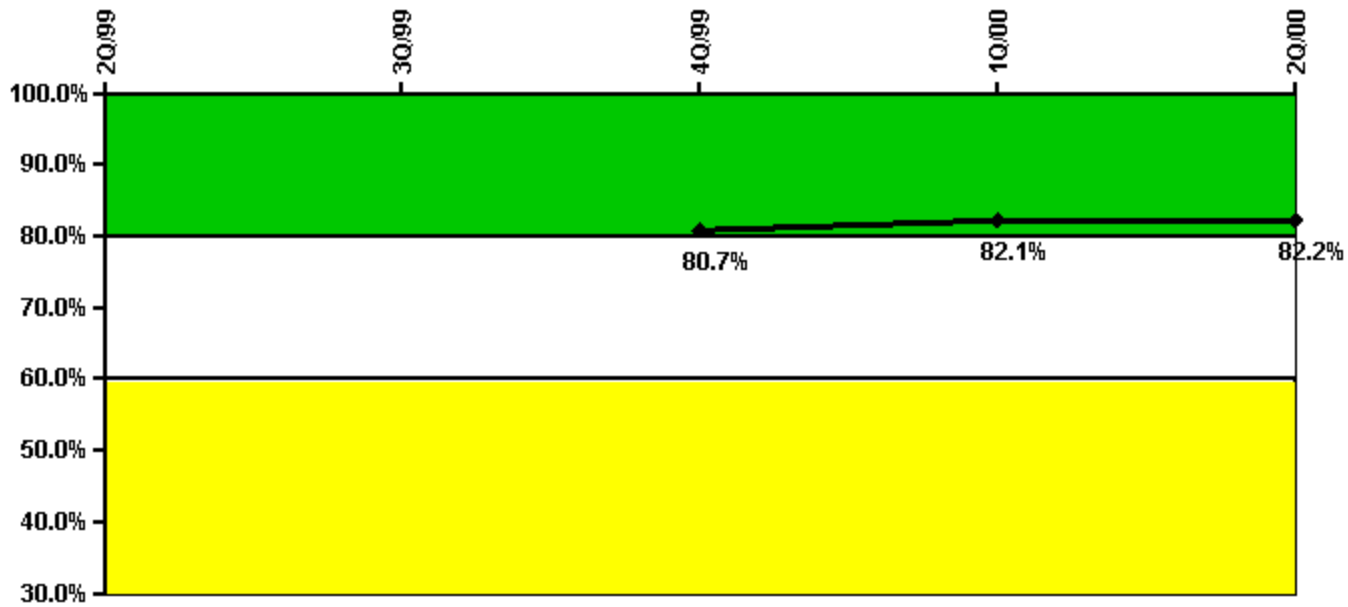
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	8.0	9.0	0	21.0	8.0
Total opportunities	8.0	9.0	0	21.0	9.0
Indicator value			100.0%	100.0%	98.7%

Licensee Comments: none

ERO Drill Participation



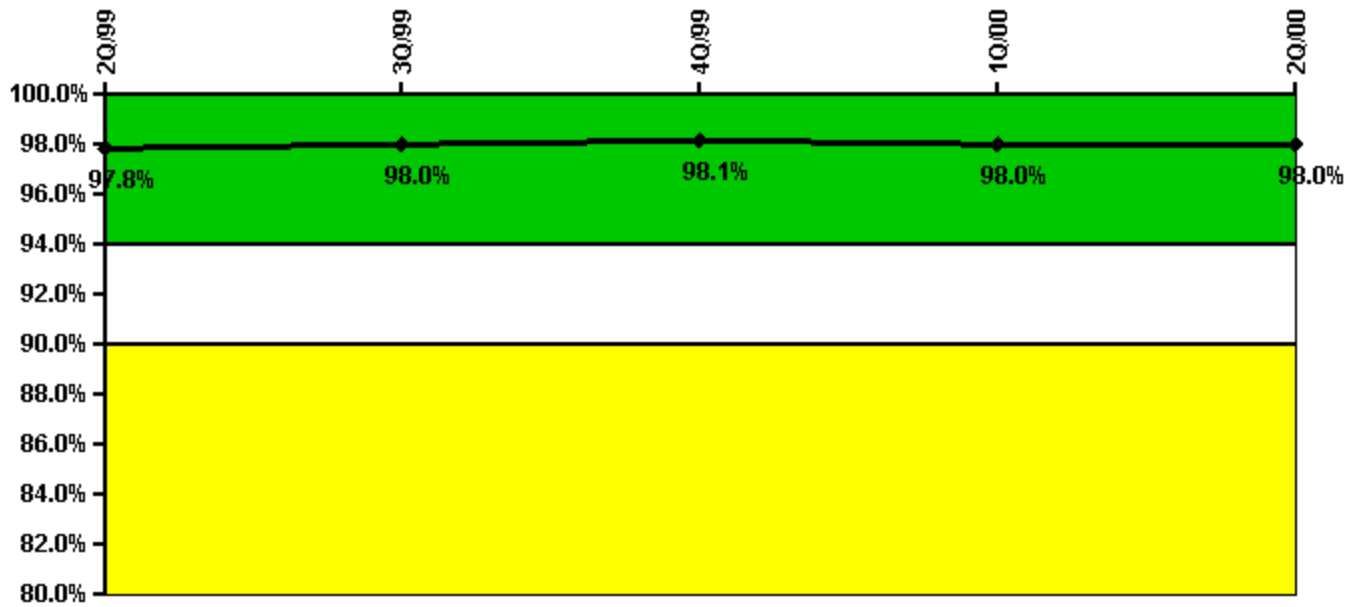
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			151.0	161.0	157.0
Total Key personnel			187.0	196.0	191.0
Indicator value			80.7%	82.1%	82.2%

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	2238	2203	2226	2213	2234
Total sirens-tests	2276	2247	2264	2276	2270
Indicator value	97.8%	98.0%	98.1%	98.0%	98.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness

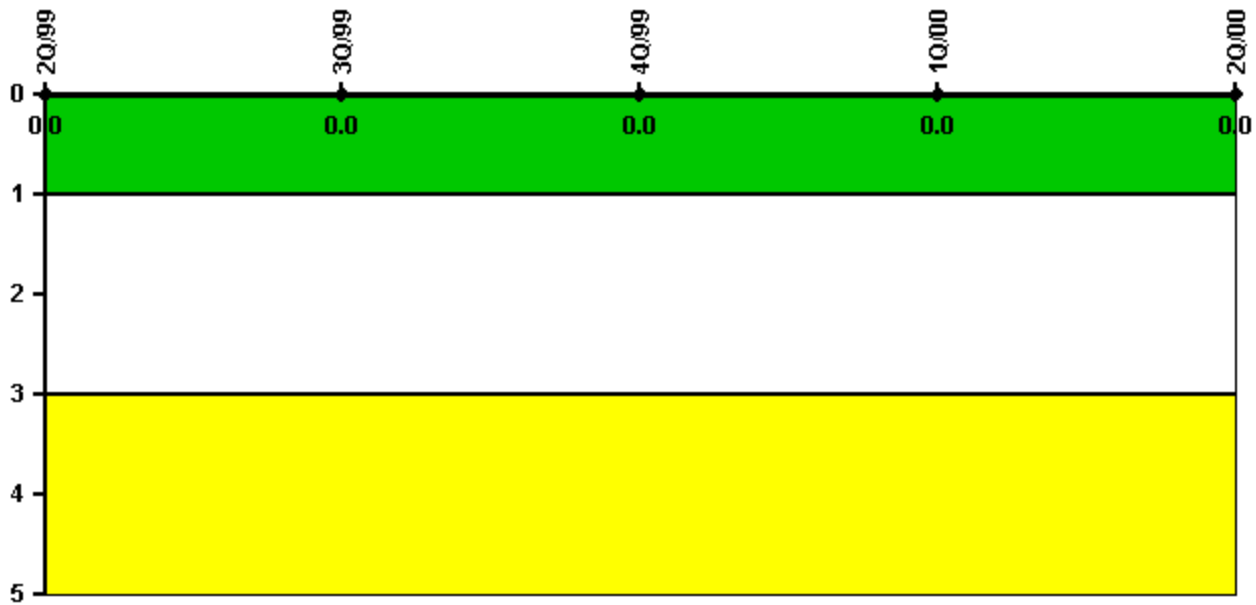


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

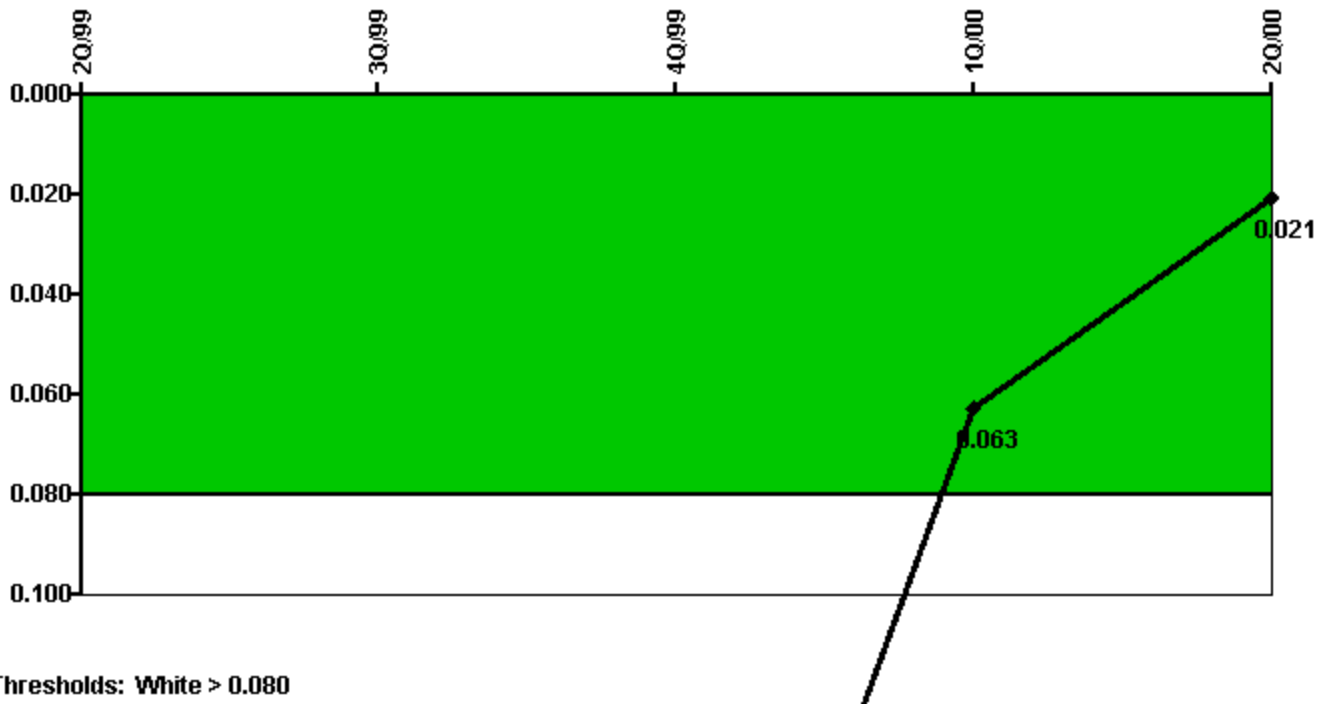
Thresholds: White > 1.0 Yellow > 3.0

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

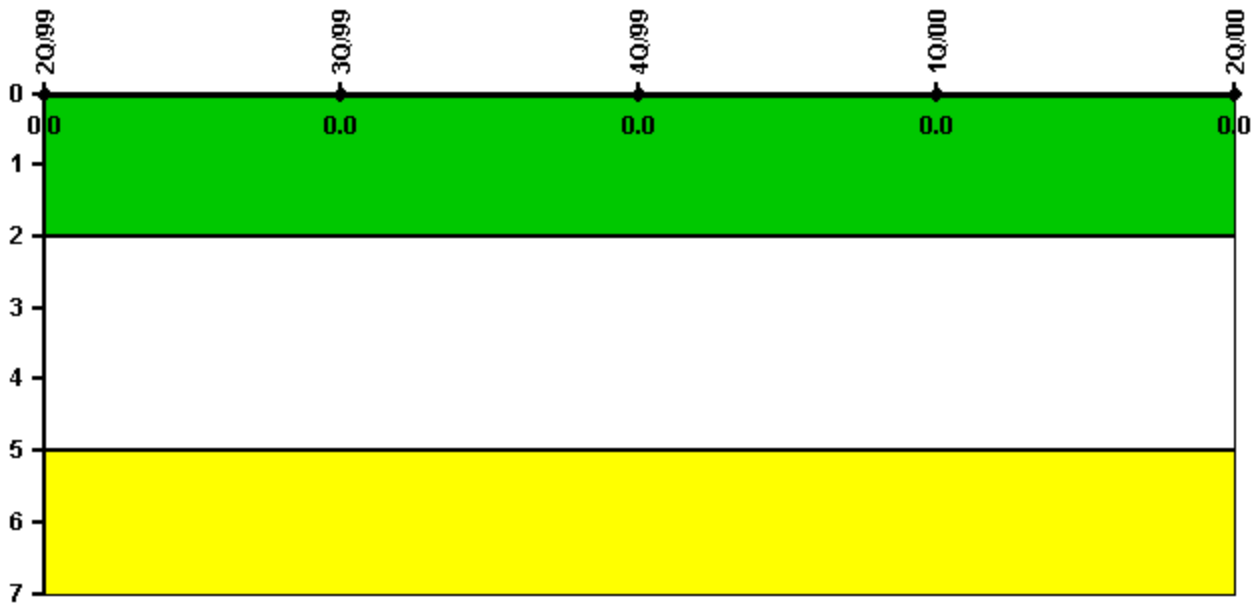


Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	37.29	401.80	88.80	37.50	63.90
CCTV compensatory hours	764.0	0	5.4	105.0	10.5
IDS normalization factor	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.553	0.367	0.223	0.063	0.021

Licensee Comments: none

Personnel Screening Program



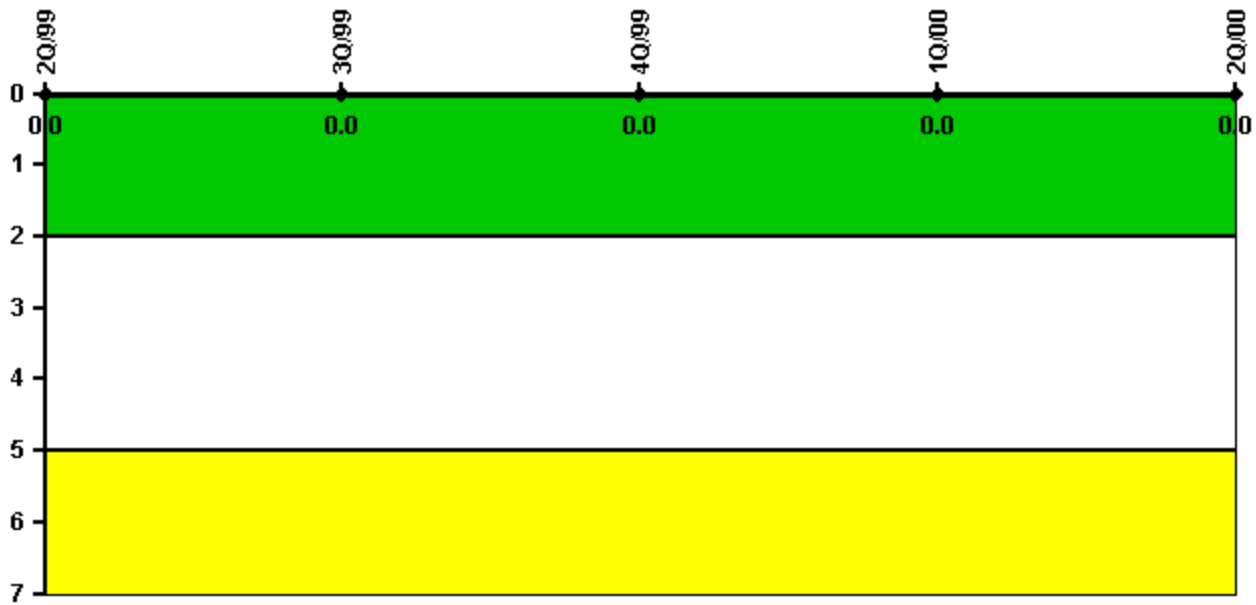
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



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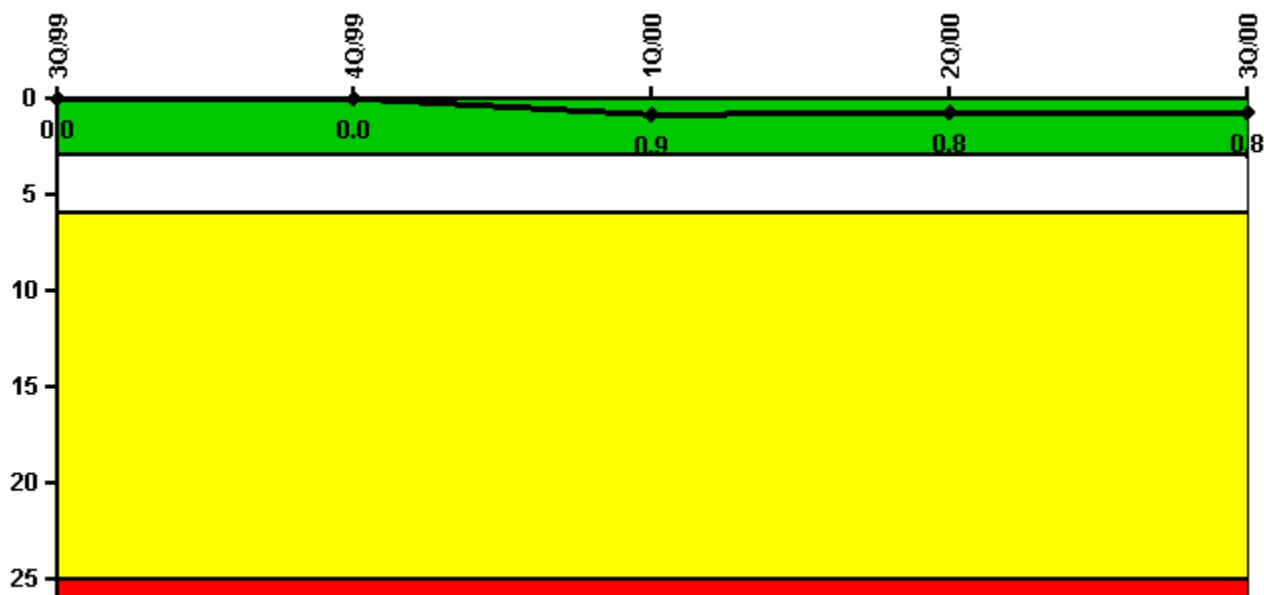
Last Modified: April 1, 2002

Catawba 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	1.0	0	0
Critical hours	2208.0	2209.0	2163.0	2183.0	2208.0
Indicator value	0	0	0.9	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



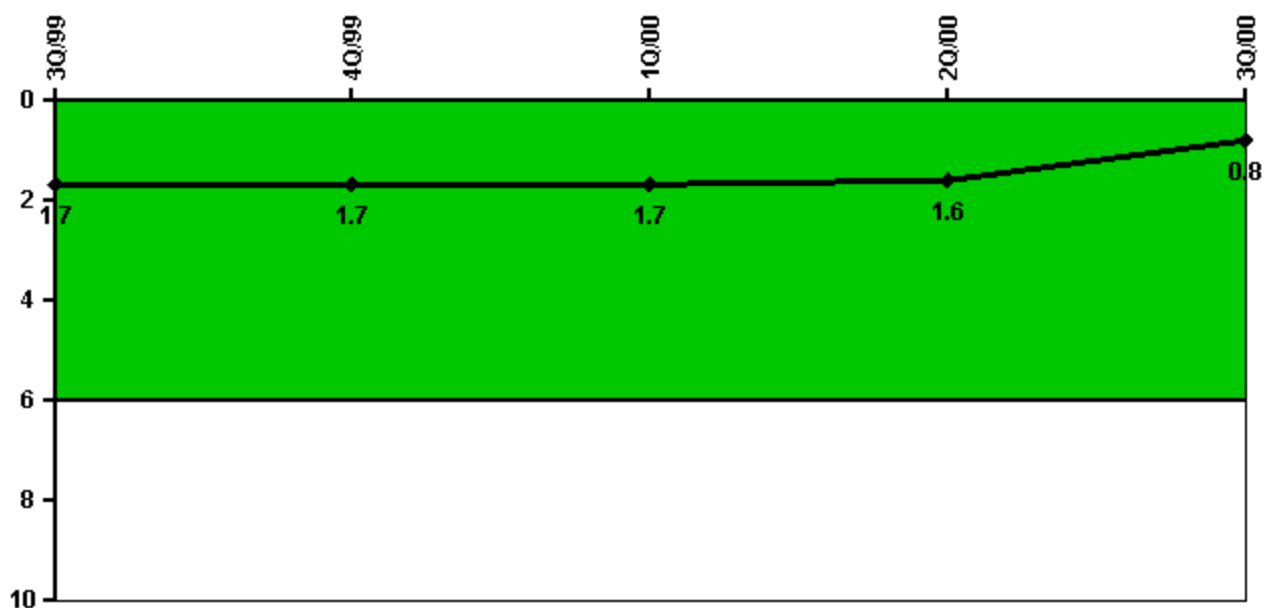
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	1.0	0	1.0	0	0
Critical hours	2208.0	2209.0	2163.0	2183.0	2208.0
Indicator value	1.7	1.7	1.7	1.6	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



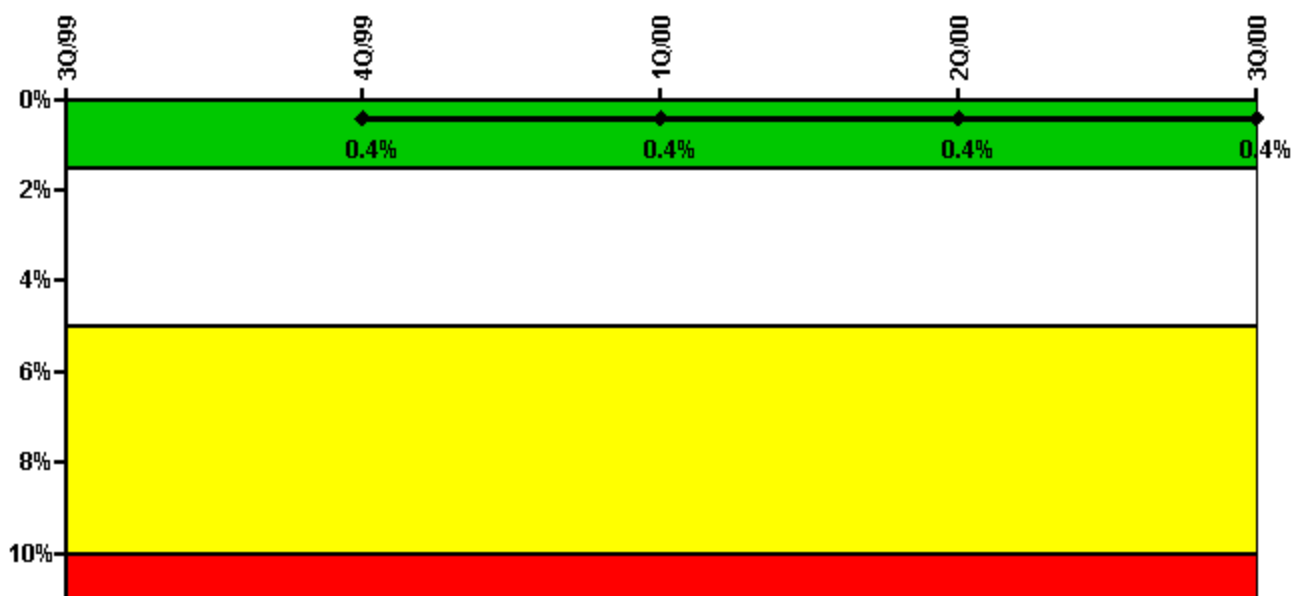
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	10.54	79.82	44.59	4.71	3.31
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	2208.00	2184.00	2184.00	2208.00
Train 2					
Planned unavailable hours	19.30	12.73	2.04	3.53	3.34
Unplanned unavailable hours	0	95.83	0	0	30.83
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Indicator value		1.0%	1.0%	0.9%	1.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0.30	4.50	1.80	1.70	0
Unplanned unavailable hours	0	0	4.40	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Train 2					
Planned unavailable hours	31.80	14.40	15.60	4.10	2.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Train 3					
Planned unavailable hours	0	8.30	1.80	1.40	5.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Train 4					
Planned unavailable hours	4.70	0	0	1.80	12.30
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	2208.00	2184.00	2184.00	2208.00
Indicator value		0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



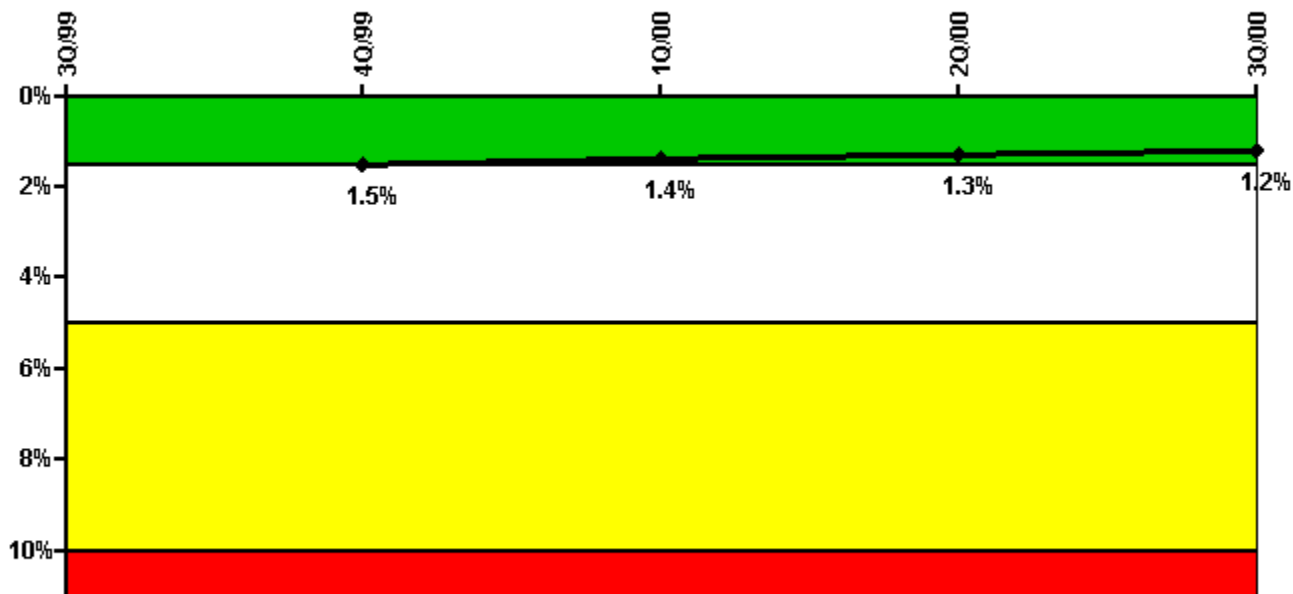
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	49.60	72.00	76.58	20.62	27.44
Unplanned unavailable hours	51.10	0	12.10	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	2184.00	2208.00
Train 2					
Planned unavailable hours	35.00	69.30	50.33	50.11	20.25
Unplanned unavailable hours	20.40	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	2184.00	2208.00
Train 3					
Planned unavailable hours	19.10	9.20	10.19	14.53	11.30
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	2184.00	2208.00
Indicator value		0.8%	0.9%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

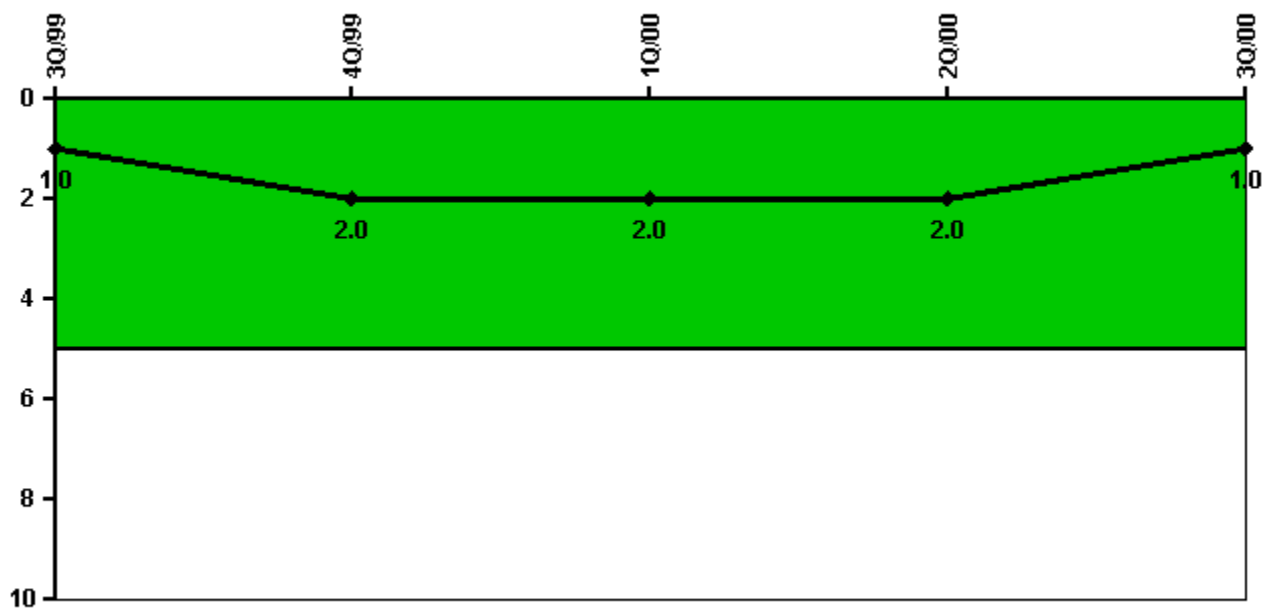
Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	11.60	31.60	26.50	27.10	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Train 2					
Planned unavailable hours	12.60	7.50	0.50	27.60	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Indicator value		1.5%	1.4%	1.3%	1.2%

Licensee Comments:

4Q/98: Corrected data entry error (2Q2001)

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



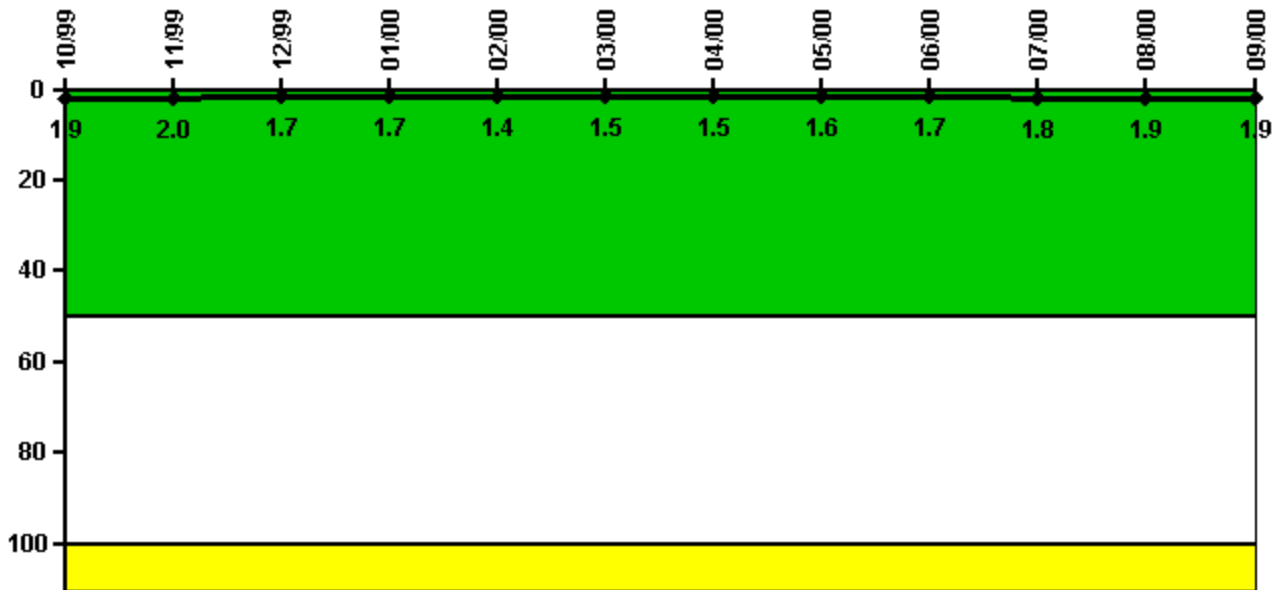
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000160	0.000130	0.000110	0.000110	0.000120	0.000120	0.000100	0.000095	0.000110	0.000114	0.001092	0.000533
Technical specification limit	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0	0	0	0.2	0.2	0.2	0.2	0.1	0.2	0.2	1.7	0.8

Licensee Comments: none

Reactor Coolant System Leakage



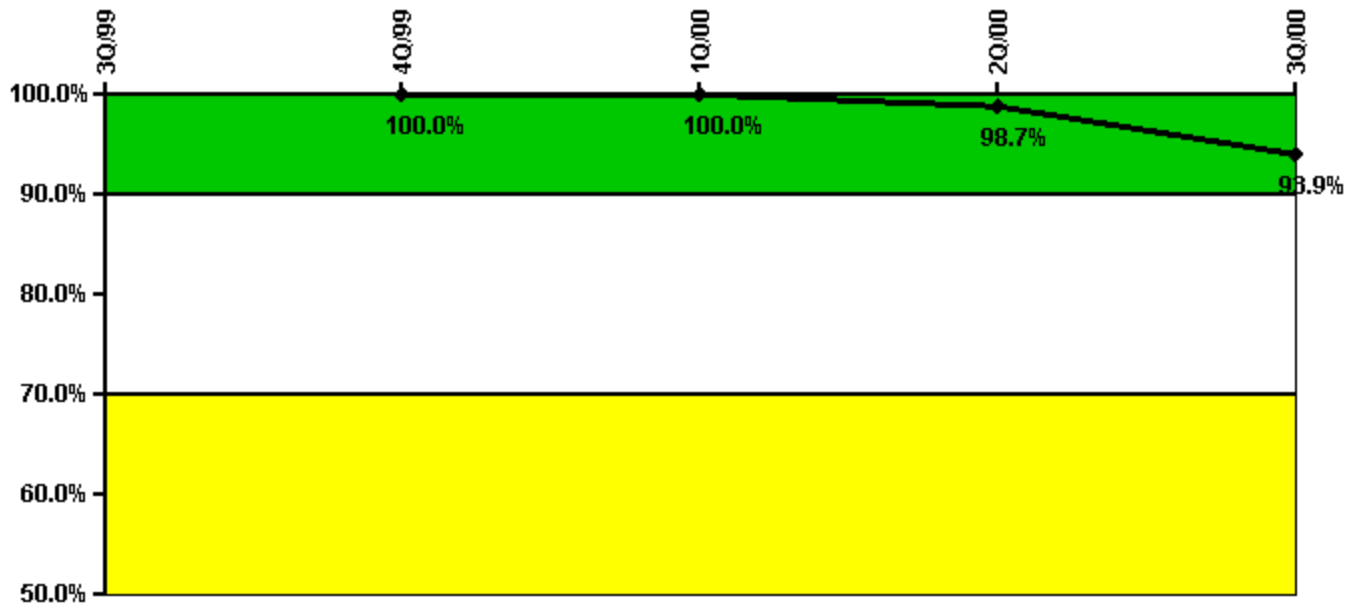
Thresholds: White > 50.0 Yellow > 100.0

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	0.189	0.198	0.167	0.172	0.144	0.145	0.153	0.156	0.165	0.177	0.189	0.187
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	2.0	1.7	1.7	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9

Licensee Comments: none

Drill/Exercise Performance



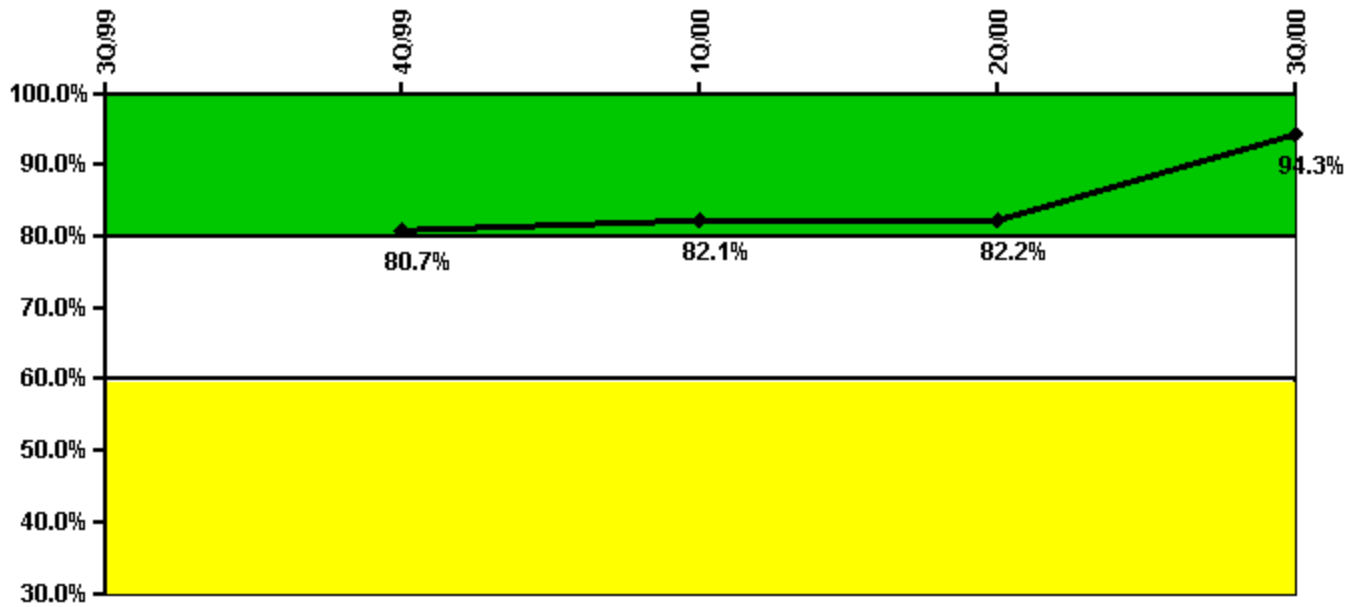
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	9.0	0	21.0	8.0	69.0
Total opportunities	9.0	0	21.0	9.0	77.0
Indicator value		100.0%	100.0%	98.7%	93.9%

Licensee Comments: none

ERO Drill Participation



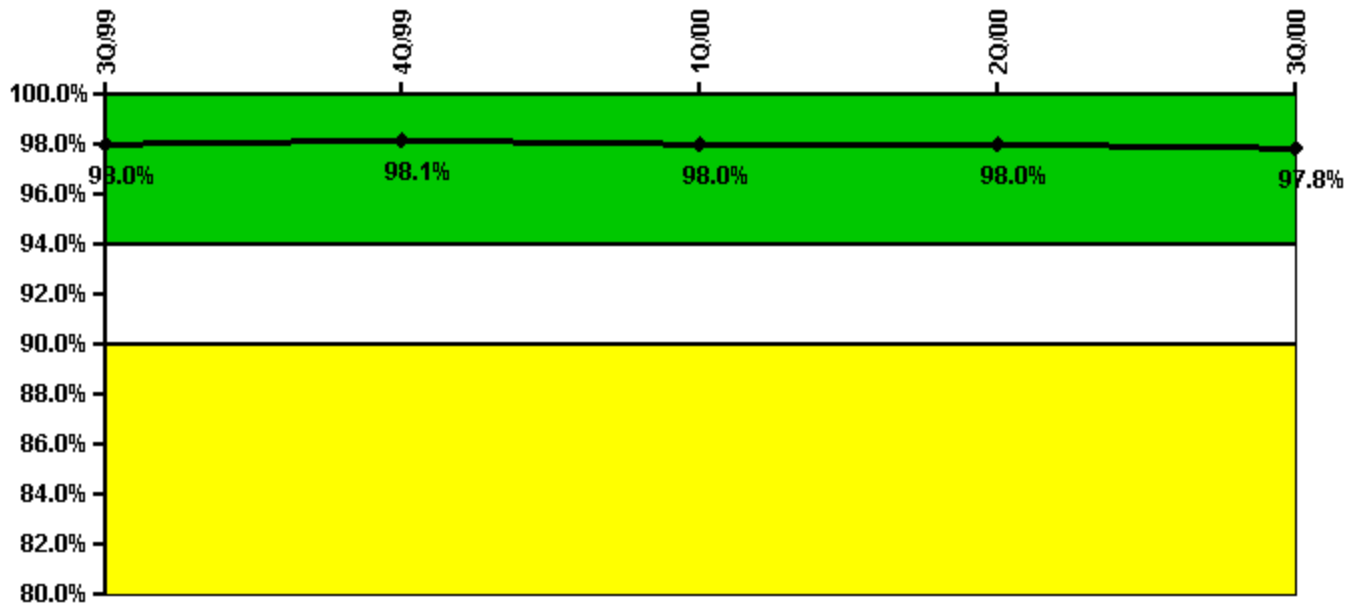
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		151.0	161.0	157.0	181.0
Total Key personnel		187.0	196.0	191.0	192.0
Indicator value		80.7%	82.1%	82.2%	94.3%

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	2203	2226	2213	2234	2123
Total sirens-tests	2247	2264	2276	2270	2188
Indicator value	98.0%	98.1%	98.0%	98.0%	97.8%

Licensee Comments:

3Q/00: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

Occupational Exposure Control Effectiveness



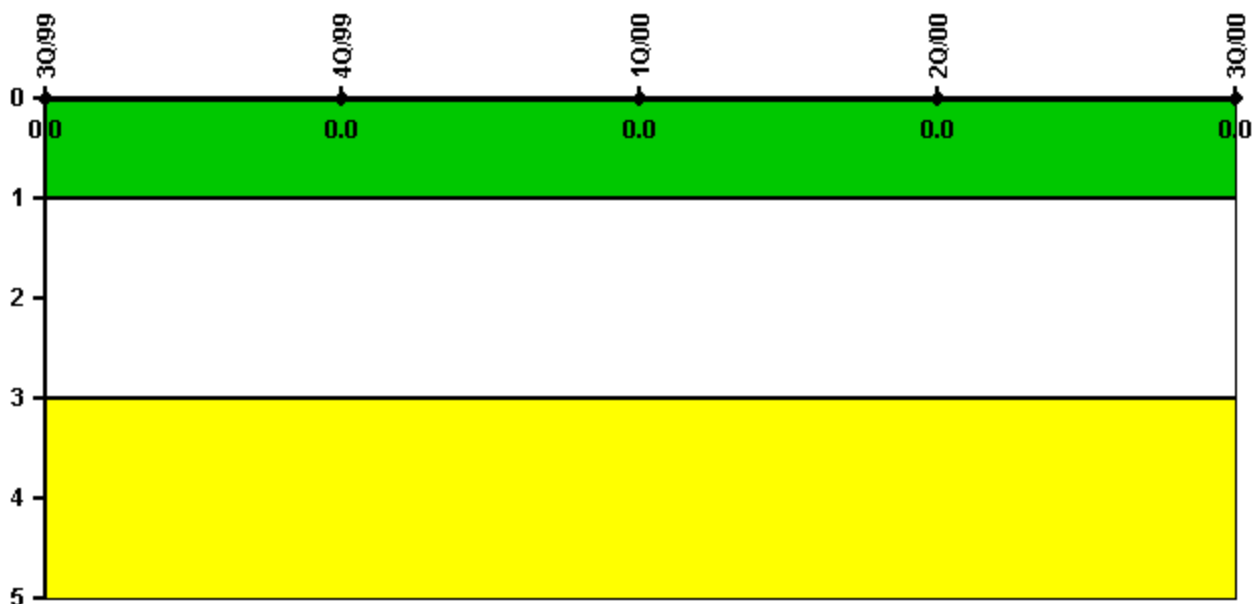
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



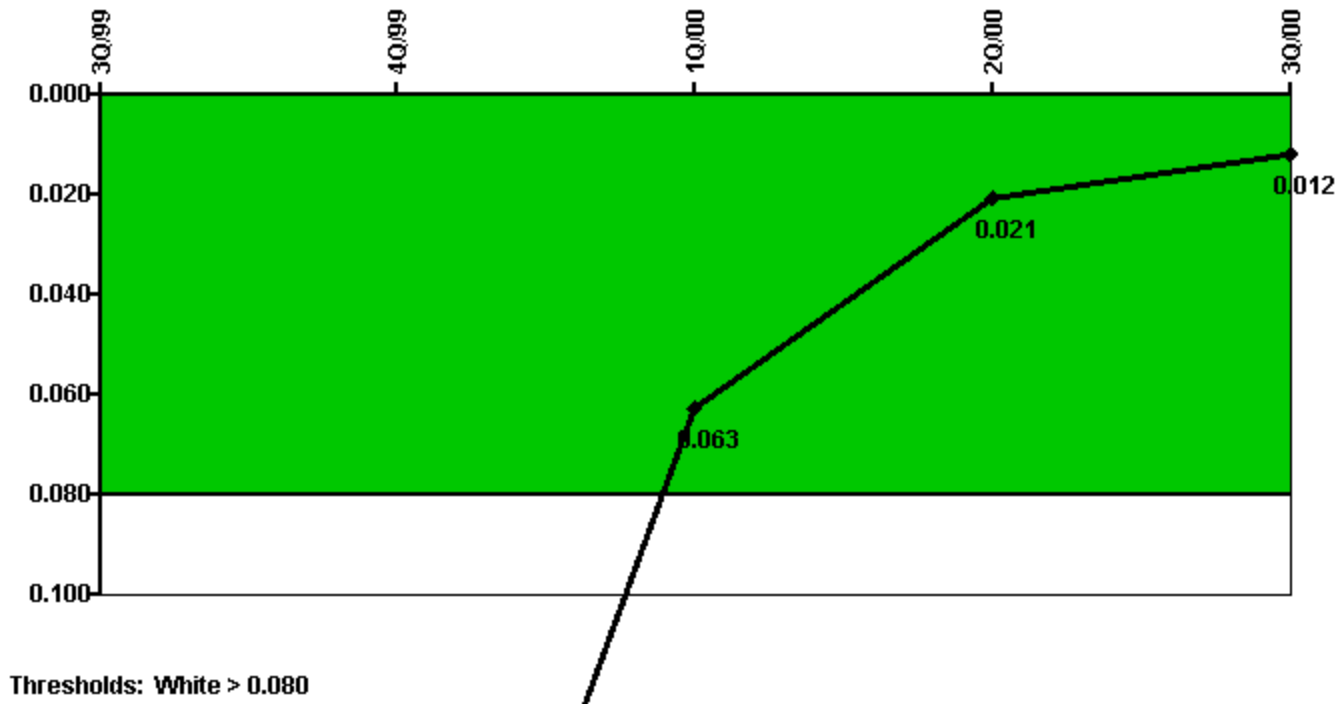
Thresholds: White > 1.0 Yellow > 3.0

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

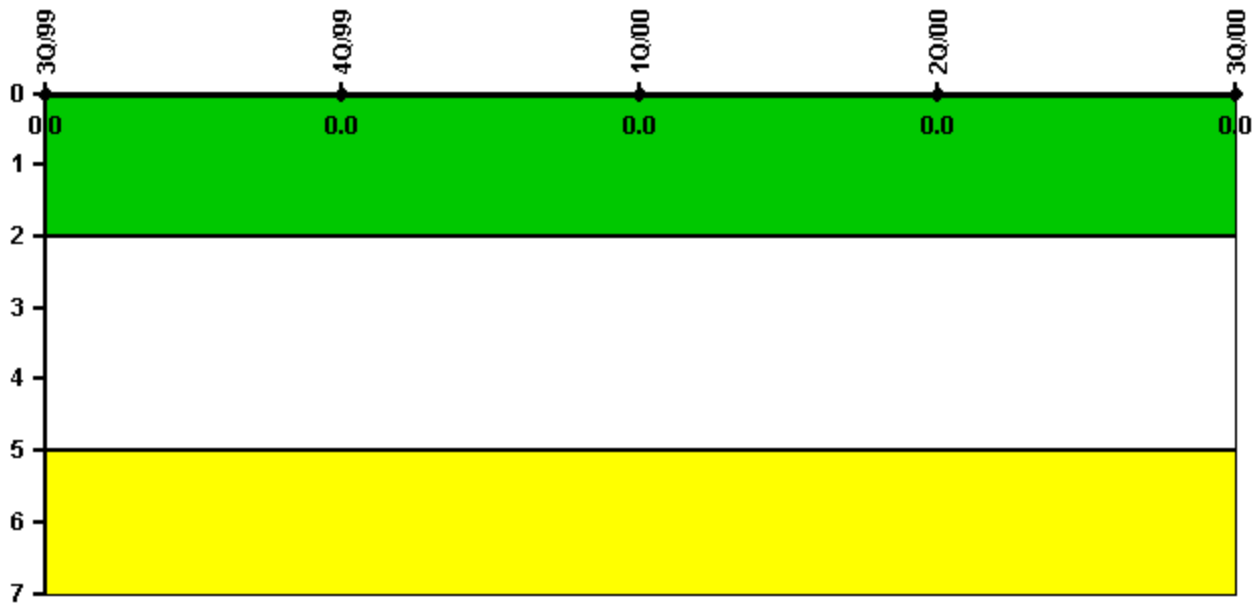


Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	401.80	88.80	37.50	63.90	30.30
CCTV compensatory hours	0	5.4	105.0	10.5	7.9
IDS normalization factor	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.367	0.223	0.063	0.021	0.012

Licensee Comments: none

Personnel Screening Program



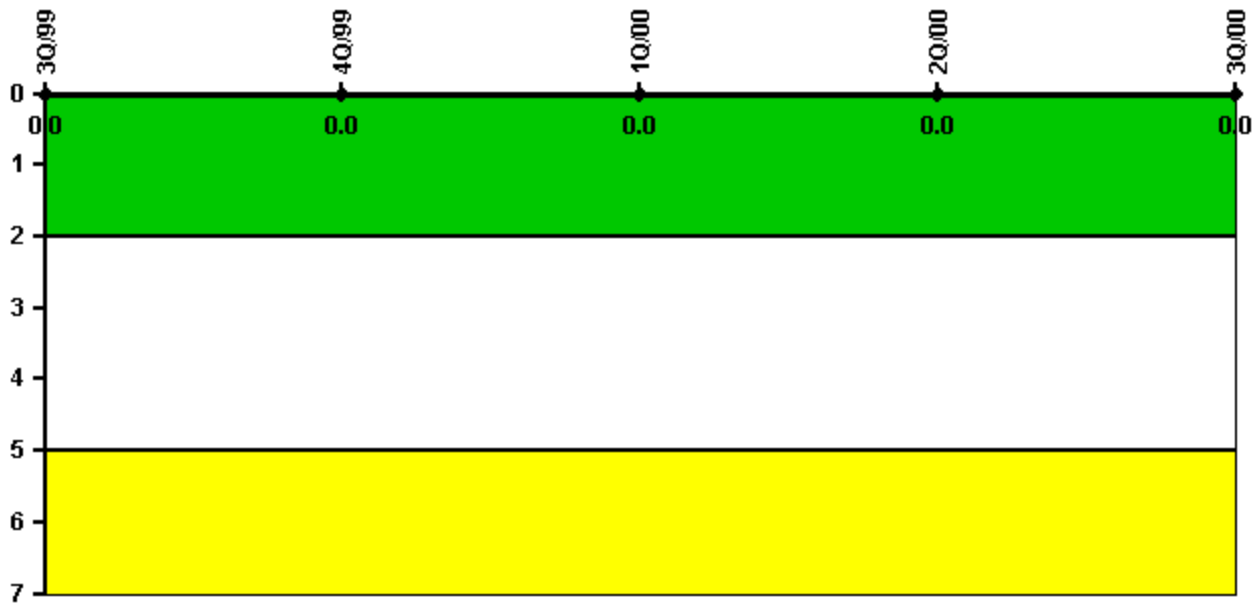
Thresholds: White > 2.0 Yellow > 5.0

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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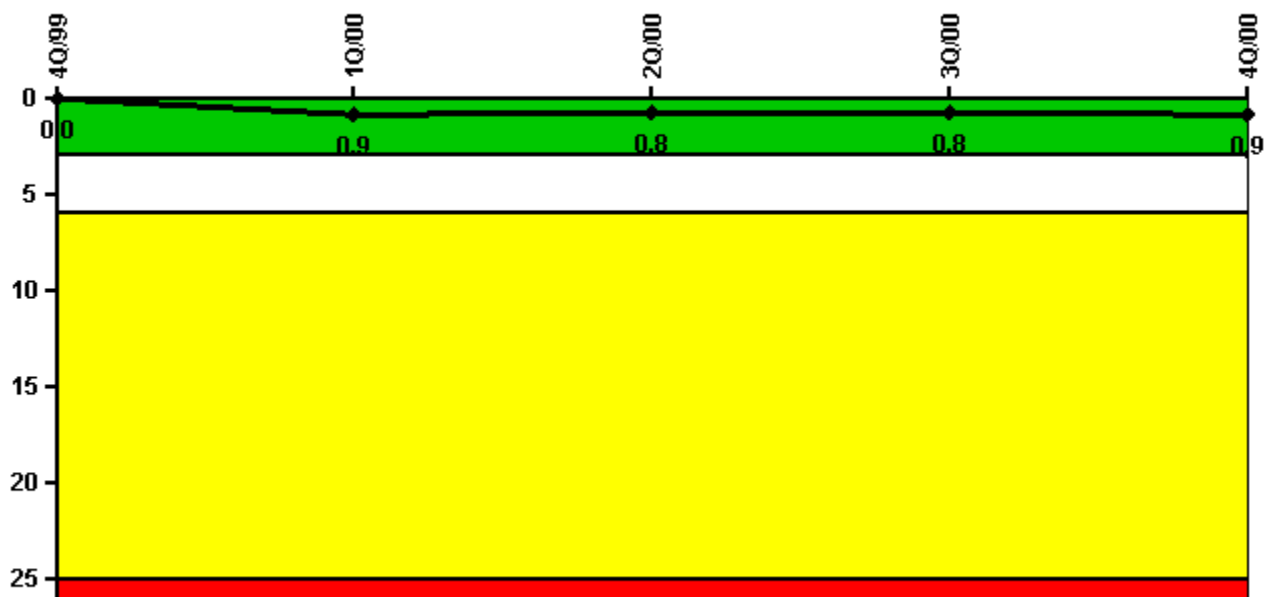
Last Modified: March 29, 2002

Catawba 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	1.0	0	0	0
Critical hours	2209.0	2163.0	2183.0	2208.0	1321.2
Indicator value	0	0.9	0.8	0.8	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



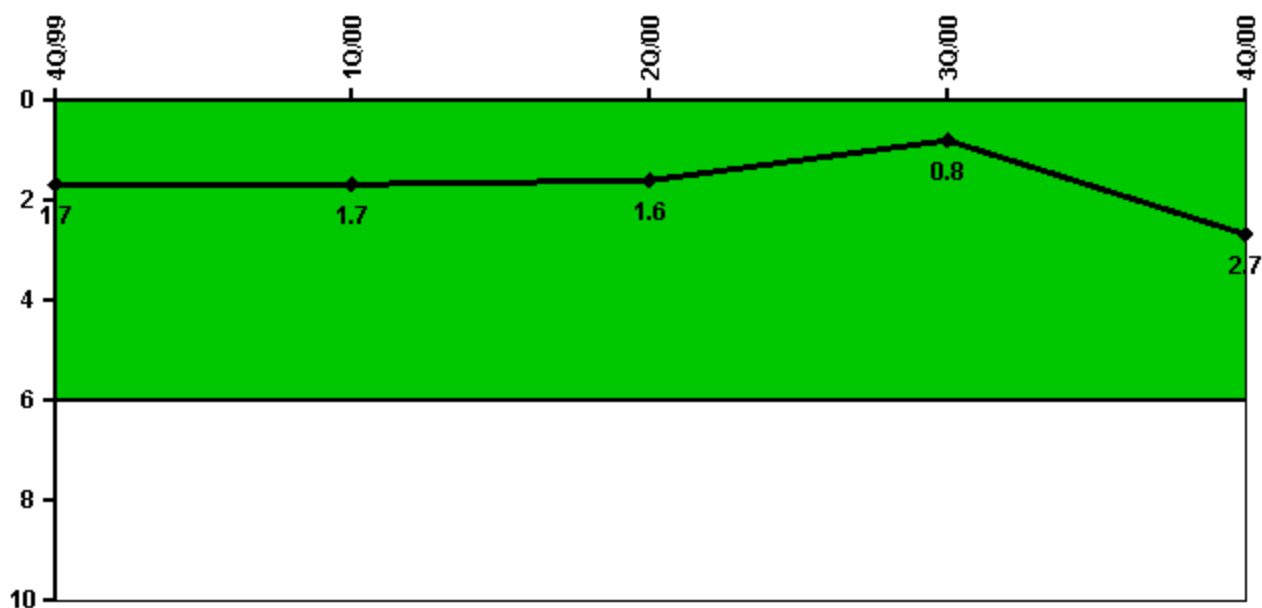
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



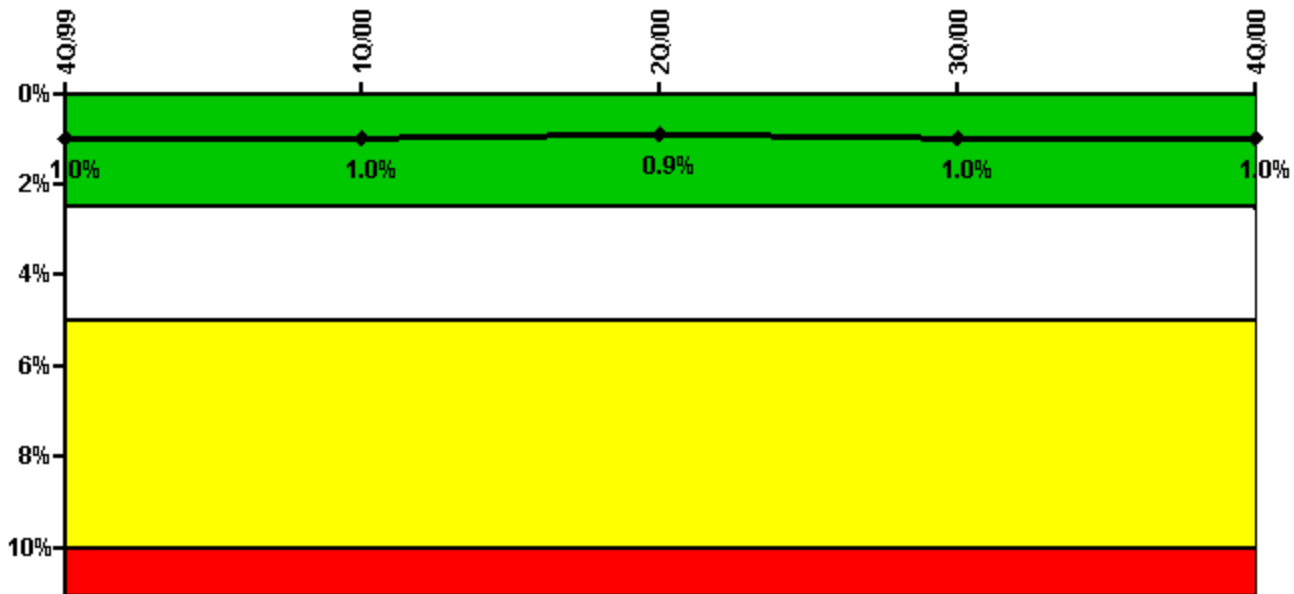
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	1.0	0	0	2.0
Critical hours	2209.0	2163.0	2183.0	2208.0	1321.2
Indicator value	1.7	1.7	1.6	0.8	2.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



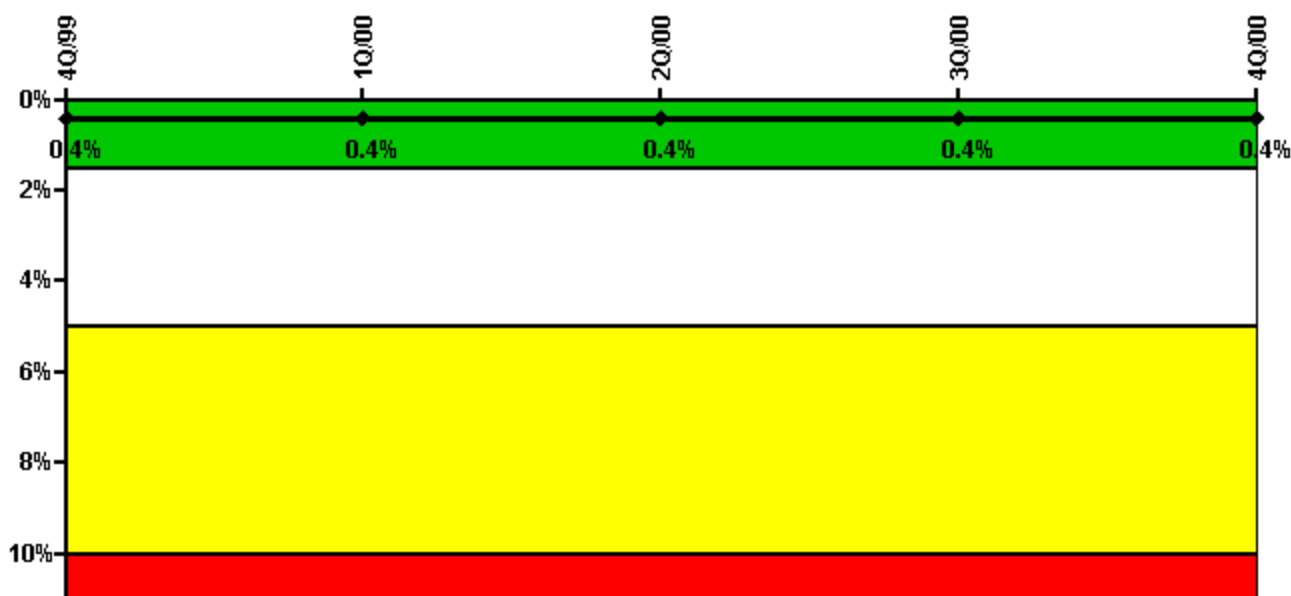
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	79.82	44.59	4.71	3.31	1.77
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	2184.00	2184.00	2208.00	2209.00
Train 2					
Planned unavailable hours	12.73	2.04	3.53	3.34	2.03
Unplanned unavailable hours	95.83	0	0	30.83	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2209.00
Indicator value	1.0%	1.0%	0.9%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	4.50	1.80	1.70	0	0
Unplanned unavailable hours	0	4.40	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	1319.90
Train 2					
Planned unavailable hours	14.40	15.60	4.10	2.10	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	1319.90
Train 3					
Planned unavailable hours	8.30	1.80	1.40	5.10	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	1319.90
Train 4					
Planned unavailable hours	0	0	1.80	12.30	9.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	1319.90
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



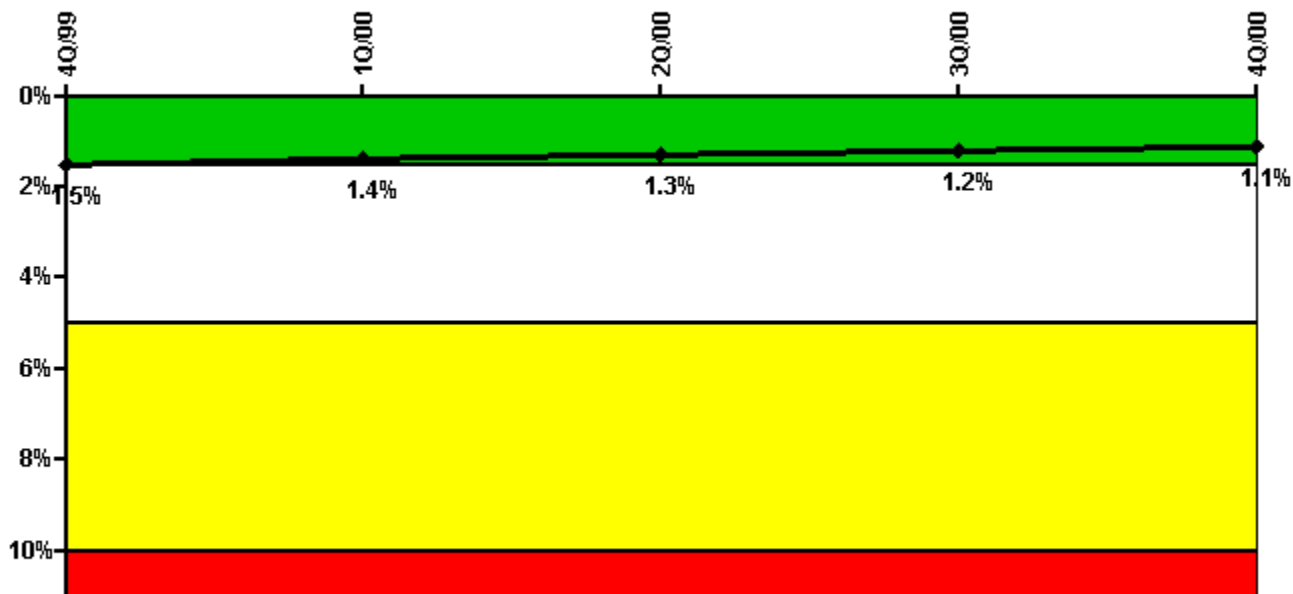
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	72.00	76.58	20.62	27.44	0
Unplanned unavailable hours	0	12.10	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	2184.00	2208.00	1366.70
Train 2					
Planned unavailable hours	69.30	50.33	50.11	20.25	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2184.00	2208.00	1366.70
Train 3					
Planned unavailable hours	9.20	10.19	14.53	11.30	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2184.00	2208.00	1366.70
Indicator value	0.8%	0.9%	1.0%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

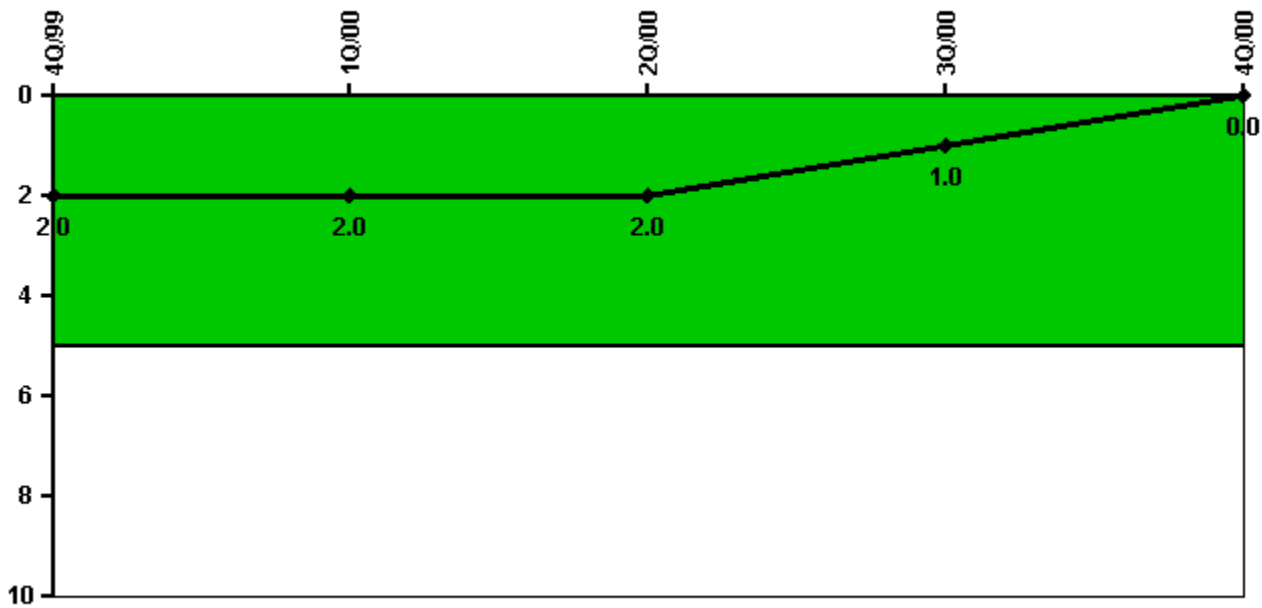
Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	31.60	26.50	27.10	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00
Train 2					
Planned unavailable hours	7.50	0.50	27.60	0	5.90
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	2184.00	2184.00	2208.00	2208.00
Indicator value	1.5%	1.4%	1.3%	1.2%	1.1%

Licensee Comments:

4Q/00: Corrected data entry error (2Q2001)

4Q/98: Corrected data entry error (2Q2001)

Safety System Functional Failures (PWR)



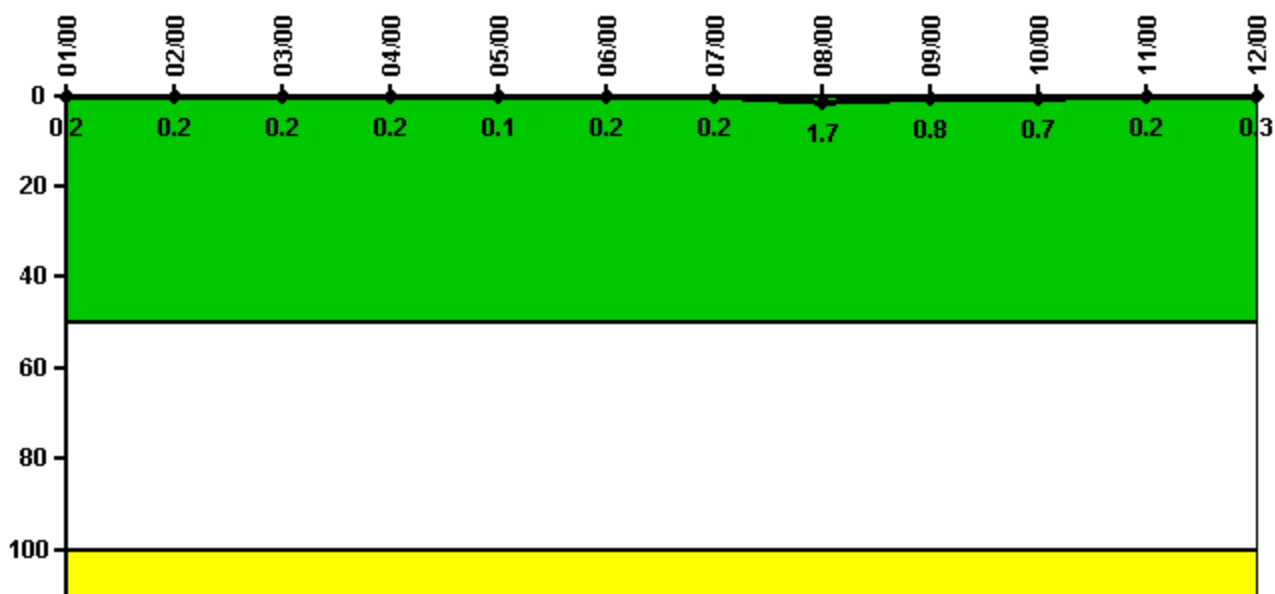
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

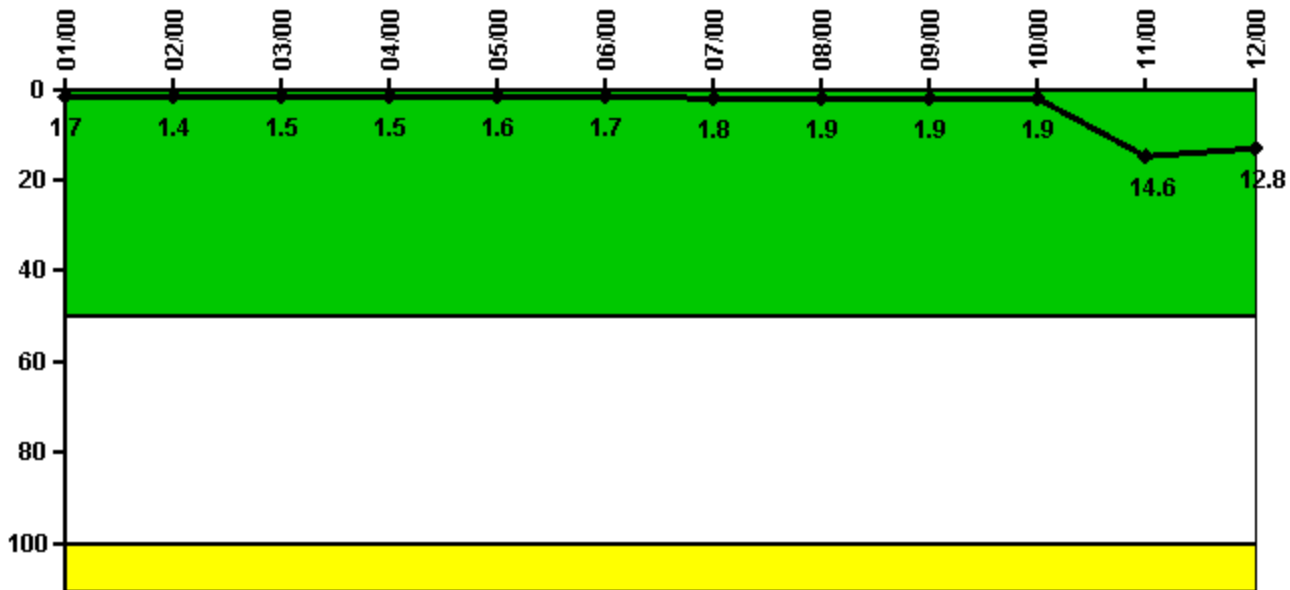
Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000110	0.000120	0.000120	0.000100	0.000095	0.000110	0.000114	0.001092	0.000533	0.000459	0.000157	0.000193
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.1	0.2	0.2	1.7	0.8	0.7	0.2	0.3

Licensee Comments:

12/00: Corrected erroneous data entry by changing rounded figures to precise; no affect on indicator value (2Q2001)

Reactor Coolant System Leakage



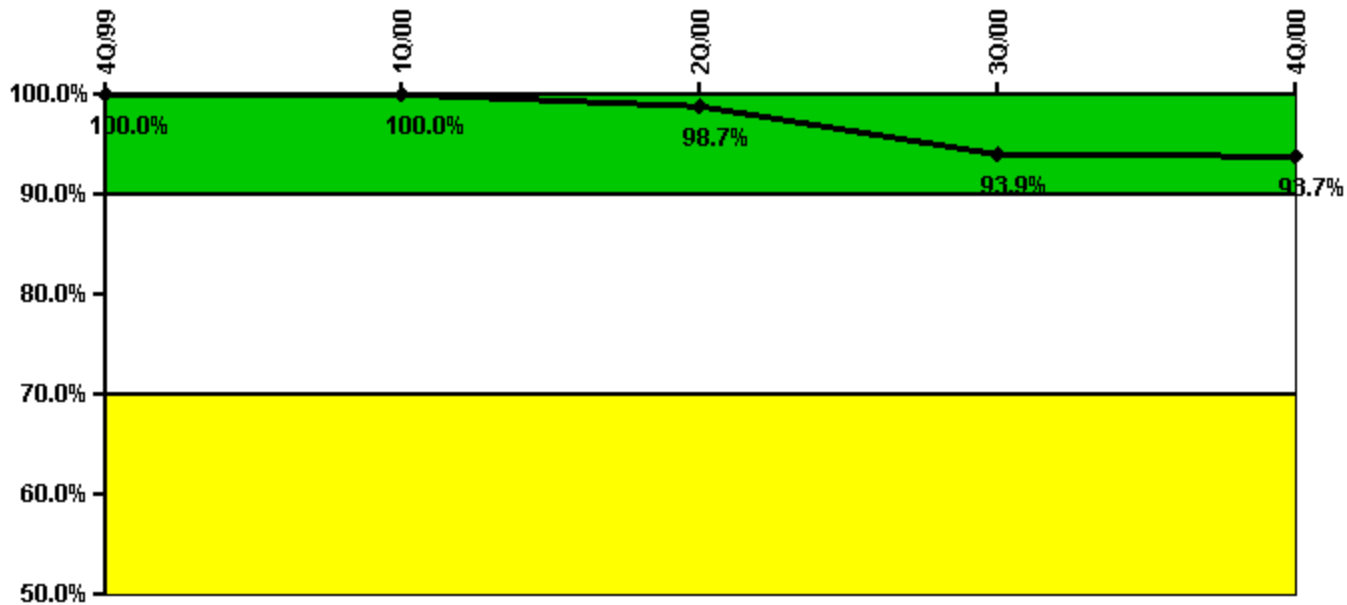
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.172	0.144	0.145	0.153	0.156	0.165	0.177	0.189	0.187	0.194	1.455	1.279
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.7	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9	1.9	14.6	12.8

Licensee Comments: none

Drill/Exercise Performance



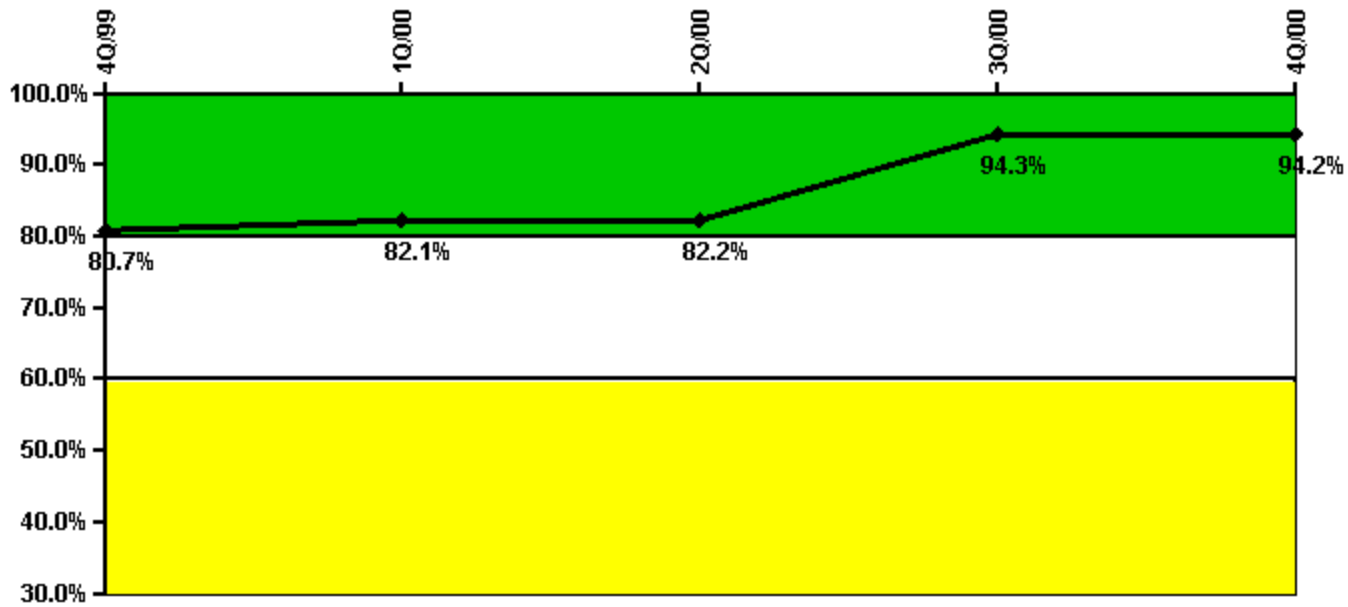
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	0	21.0	8.0	69.0	9.0
Total opportunities	0	21.0	9.0	77.0	9.0
Indicator value	100.0%	100.0%	98.7%	93.9%	93.7%

Licensee Comments: none

ERO Drill Participation



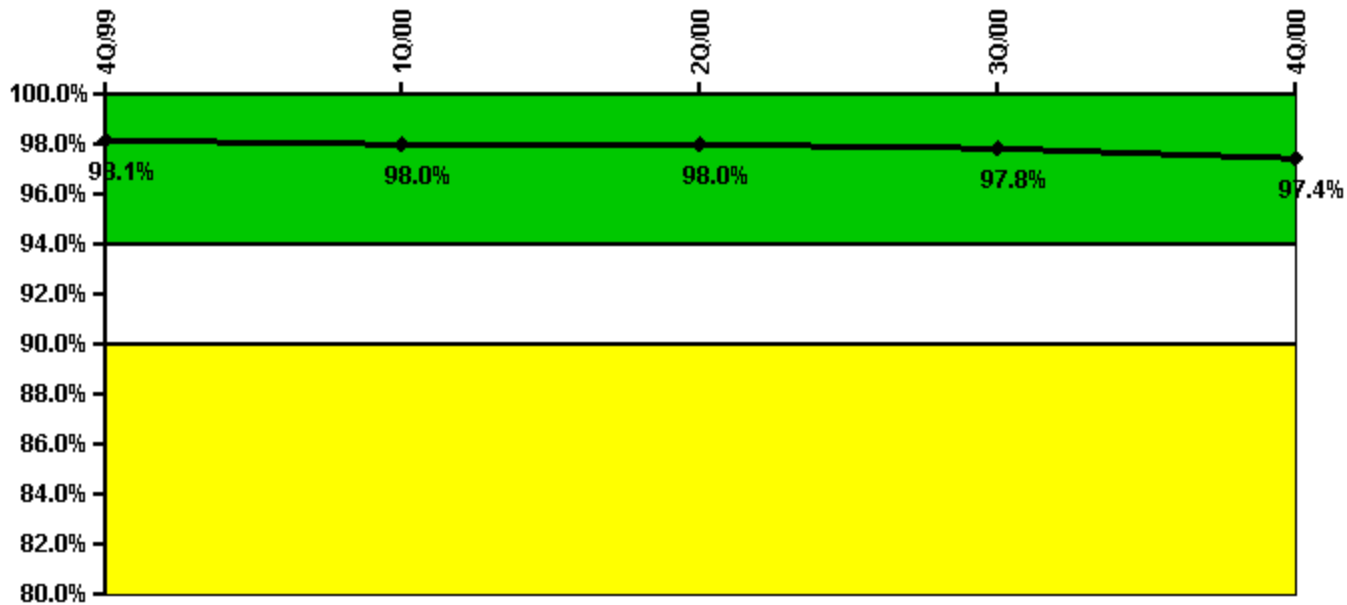
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	151.0	161.0	157.0	181.0	180.0
Total Key personnel	187.0	196.0	191.0	192.0	191.0
Indicator value	80.7%	82.1%	82.2%	94.3%	94.2%

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	2226	2213	2234	2123	2195
Total sirens-tests	2264	2276	2270	2188	2262
Indicator value	98.1%	98.0%	98.0%	97.8%	97.4%

Licensee Comments:

4Q/00: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

3Q/00: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

Occupational Exposure Control Effectiveness



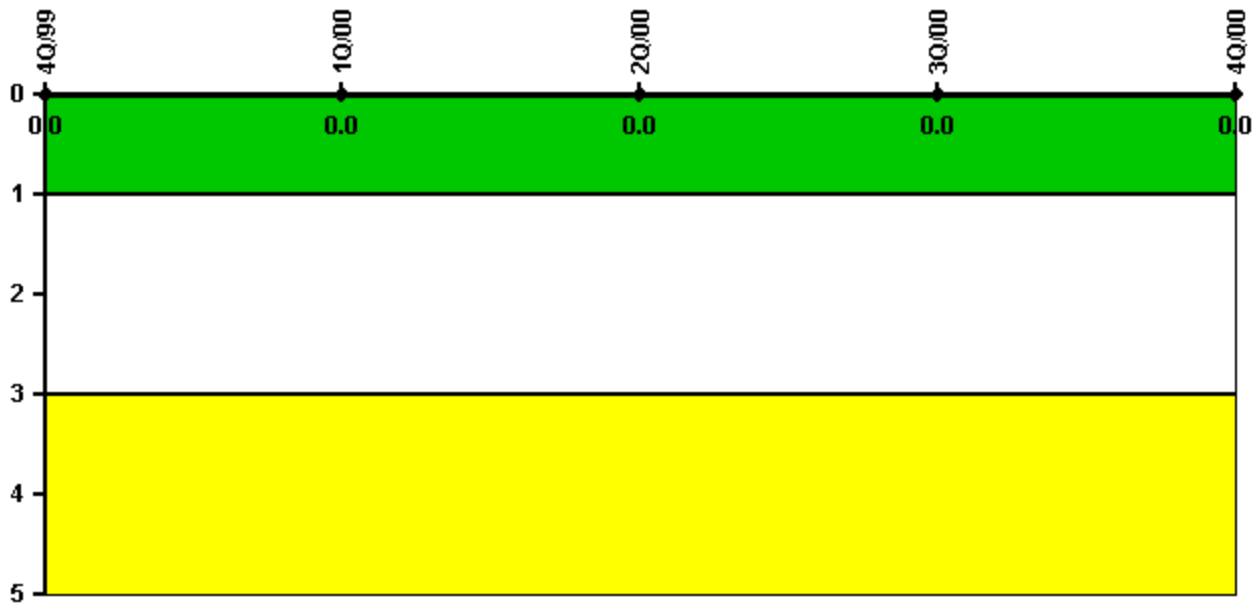
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



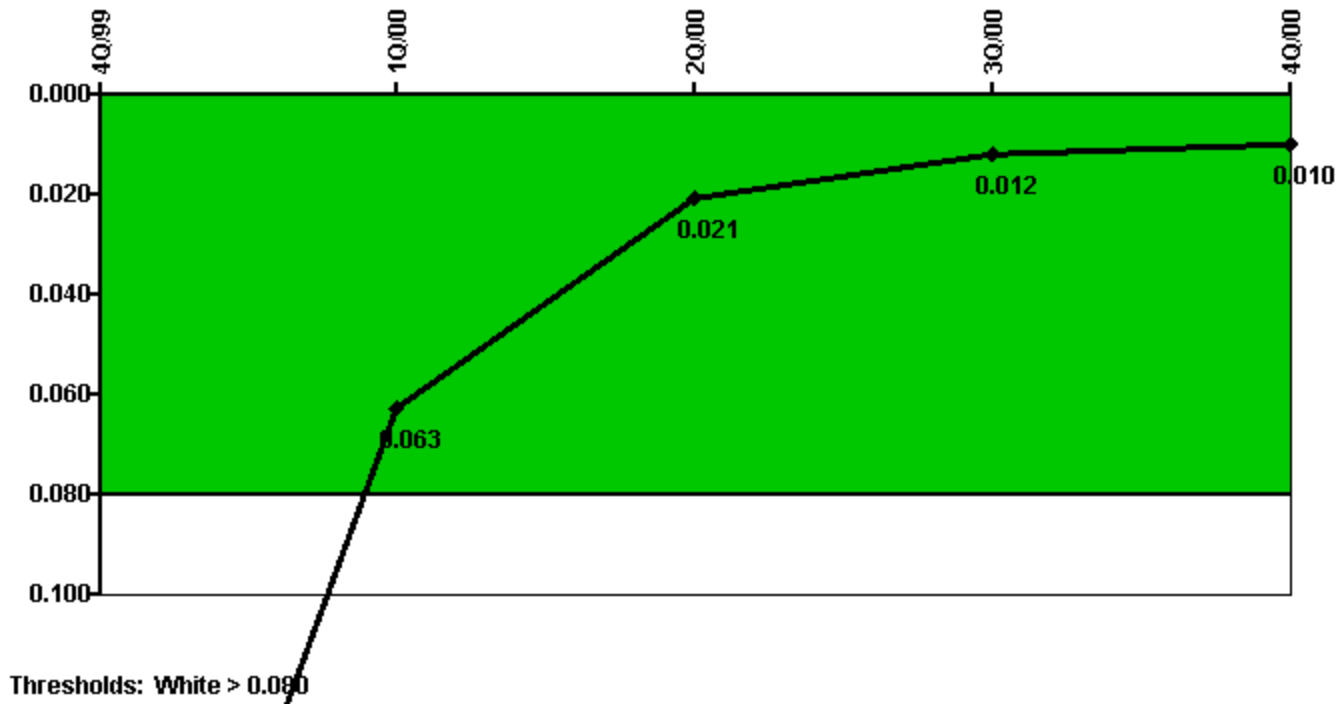
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

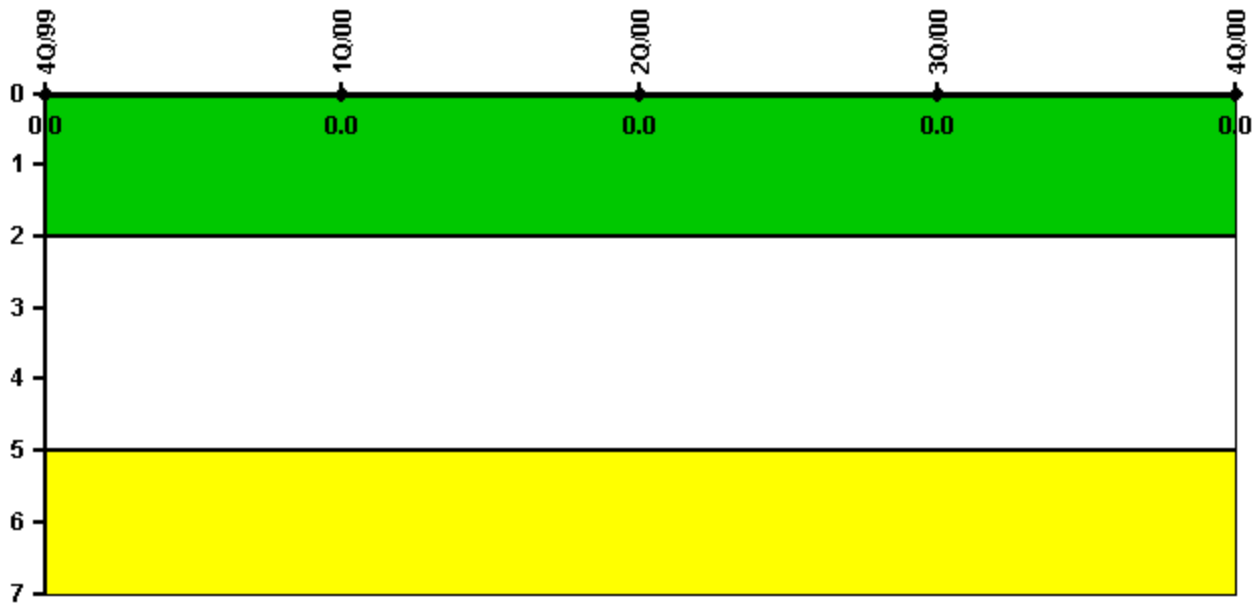


Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	88.80	37.50	63.90	30.30	0
CCTV compensatory hours	5.4	105.0	10.5	7.9	0.5
IDS normalization factor	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.223	0.063	0.021	0.012	0.010

Licensee Comments: none

Personnel Screening Program



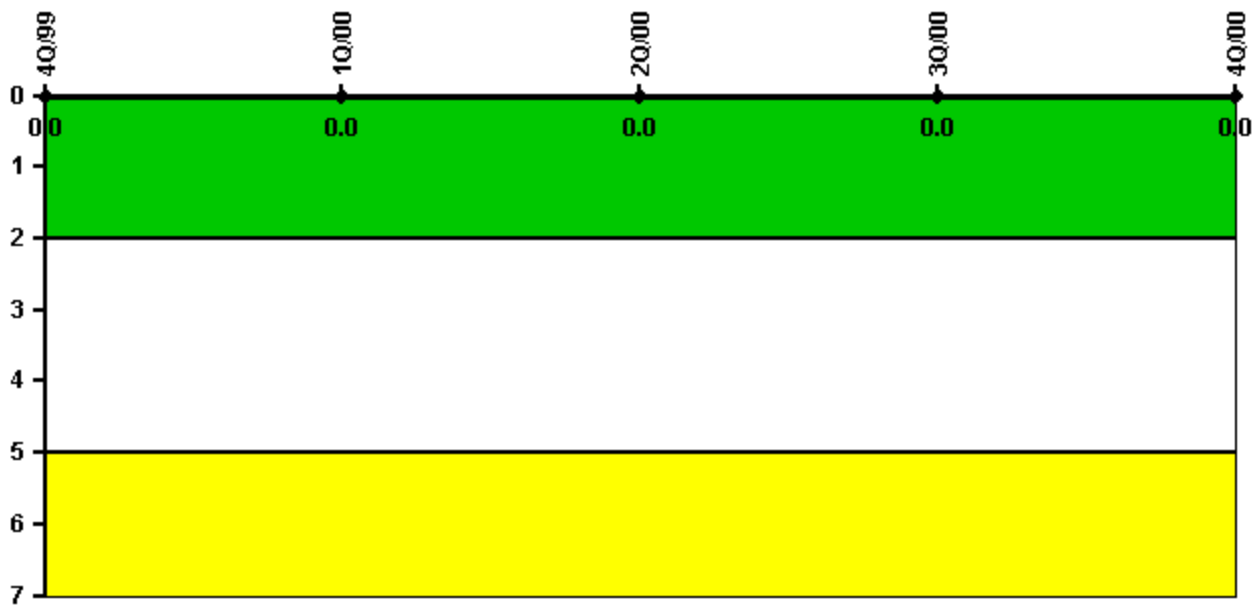
Thresholds: White > 2.0 Yellow > 5.0

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](#)

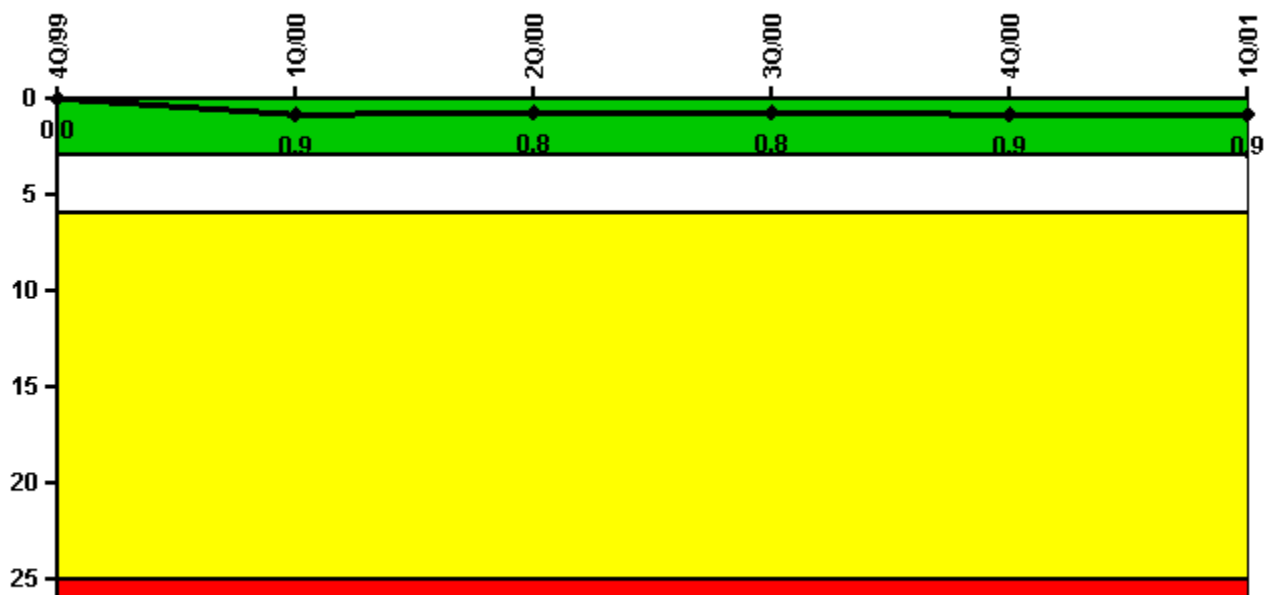
Last Modified: March 28, 2002

Catawba 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	1.0	0	0	0	1.0
Critical hours	2209.0	2163.0	2183.0	2208.0	1321.2	2128.9
Indicator value	0	0.9	0.8	0.8	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



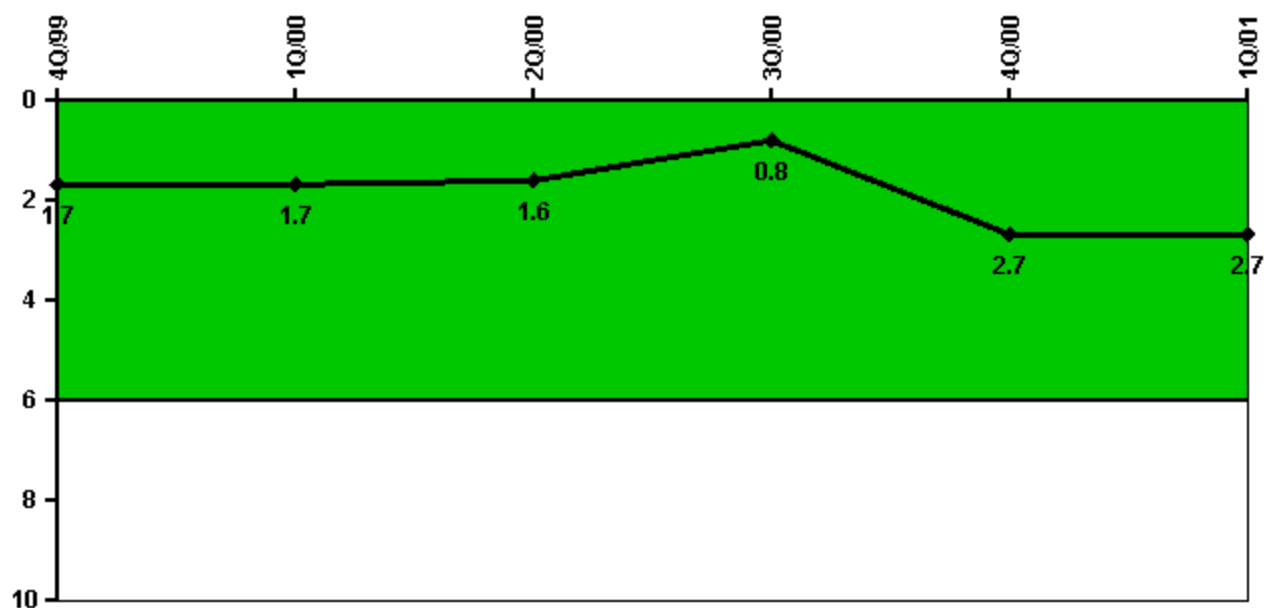
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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



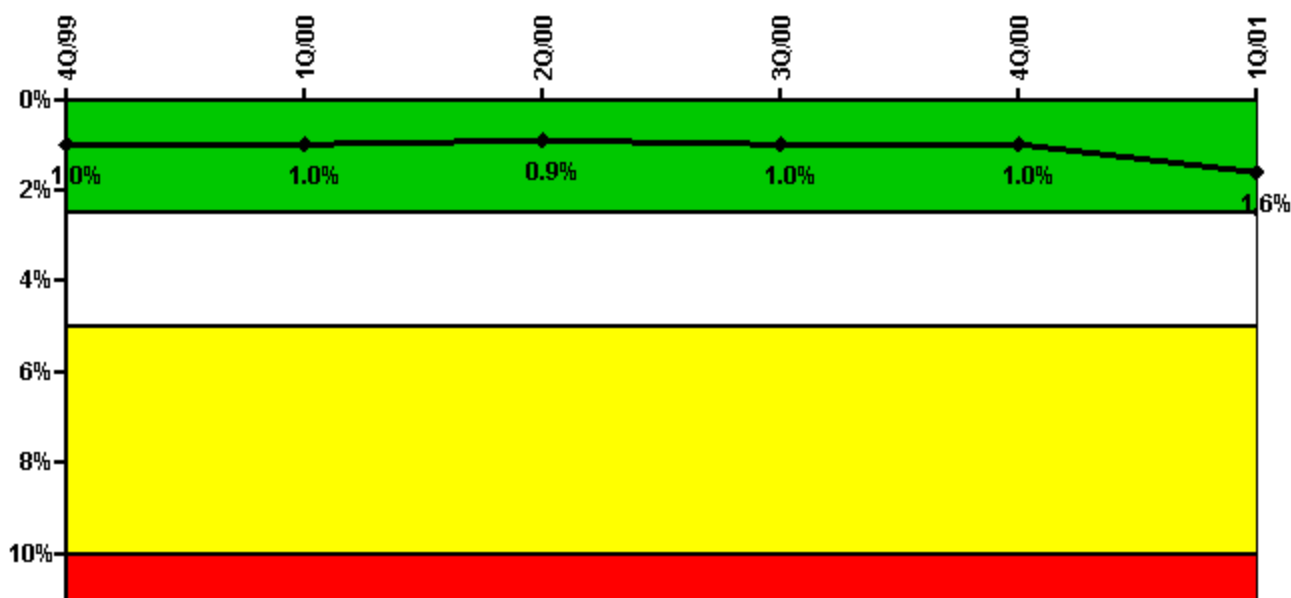
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	1.0	0	0	2.0	1.0
Critical hours	2209.0	2163.0	2183.0	2208.0	1321.2	2128.9
Indicator value	1.7	1.7	1.6	0.8	2.7	2.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



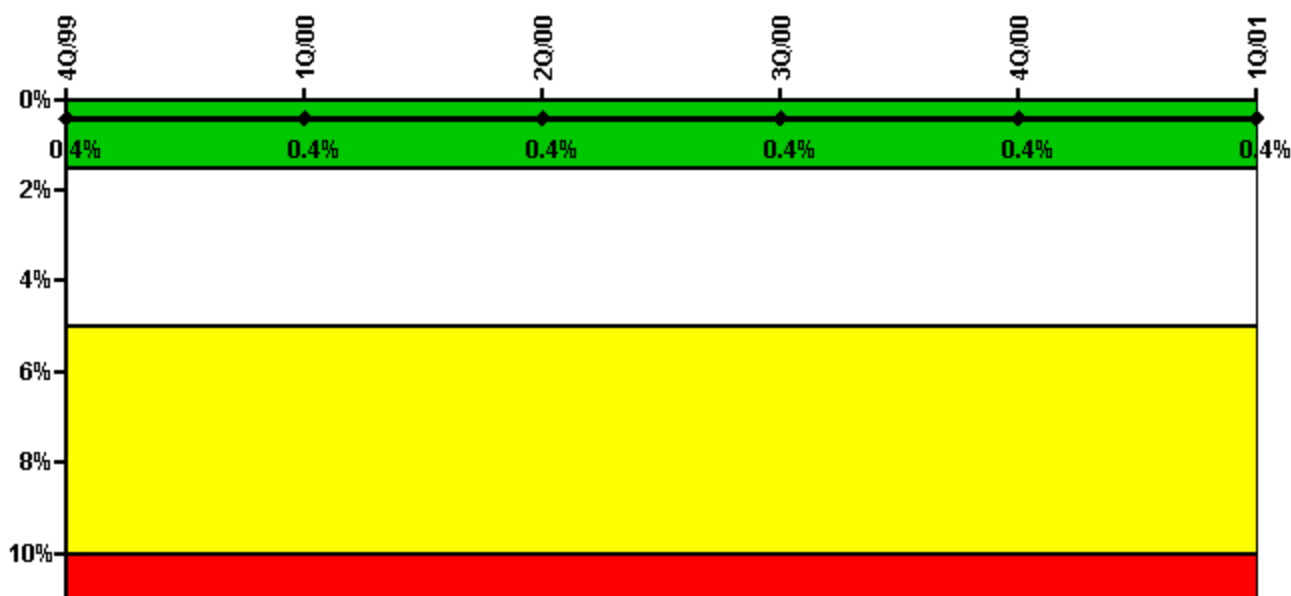
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	79.82	44.59	4.71	3.31	1.77	2.49
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	2208.00	2184.00	2184.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	12.73	2.04	3.53	3.34	2.03	1.72
Unplanned unavailable hours	95.83	0	0	30.83	0	16.62
Fault exposure hours	0	0	0	0	0	333.20
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2209.00	2160.00
Indicator value	1.0%	1.0%	0.9%	1.0%	1.0%	1.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	4.50	1.80	1.70	0	0	7.30
Unplanned unavailable hours	0	4.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72
Train 2						
Planned unavailable hours	14.40	15.60	4.10	2.10	0	2.50
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	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72
Train 3						
Planned unavailable hours	8.30	1.80	1.40	5.10	0	5.83
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	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72
Train 4						
Planned unavailable hours	0	0	1.80	12.30	9.00	0
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	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



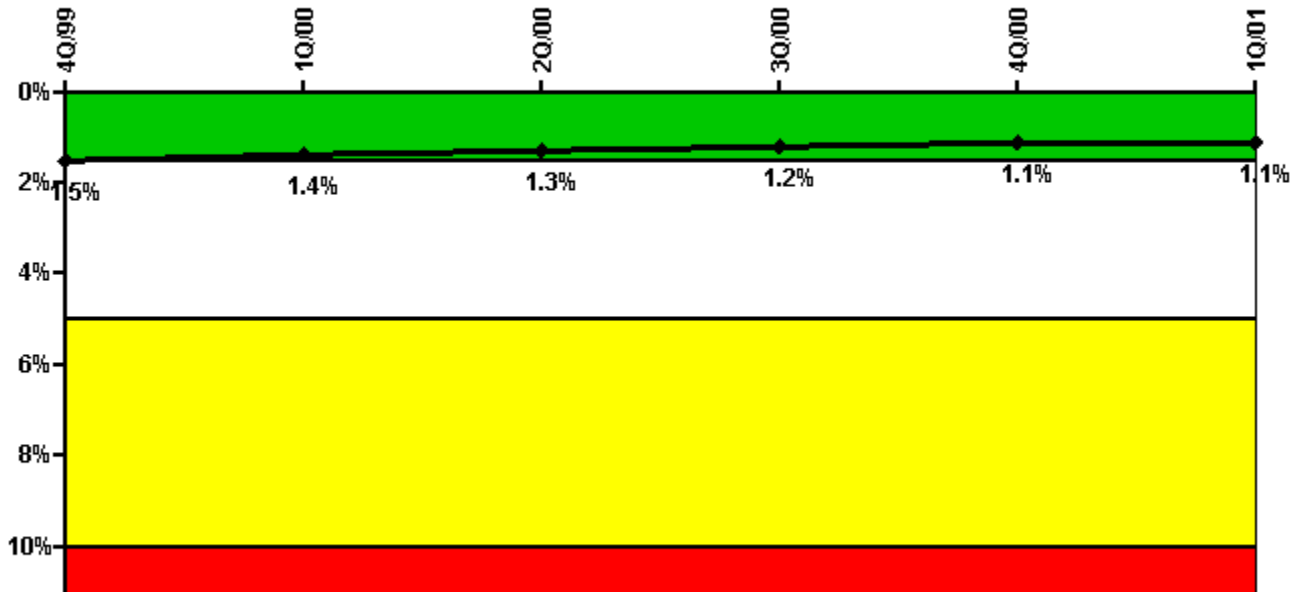
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	72.00	76.58	20.62	27.44	0	0
Unplanned unavailable hours	0	12.10	0	0	0	1.88
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2184.00	2208.00	1366.70	2160.00
Train 2						
Planned unavailable hours	69.30	50.33	50.11	20.25	0	9.31
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	2184.00	2208.00	1366.70	2160.00
Train 3						
Planned unavailable hours	9.20	10.19	14.53	11.30	0	12.05
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	2184.00	2208.00	1366.70	2160.00
Indicator value	0.8%	0.9%	1.0%	1.0%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

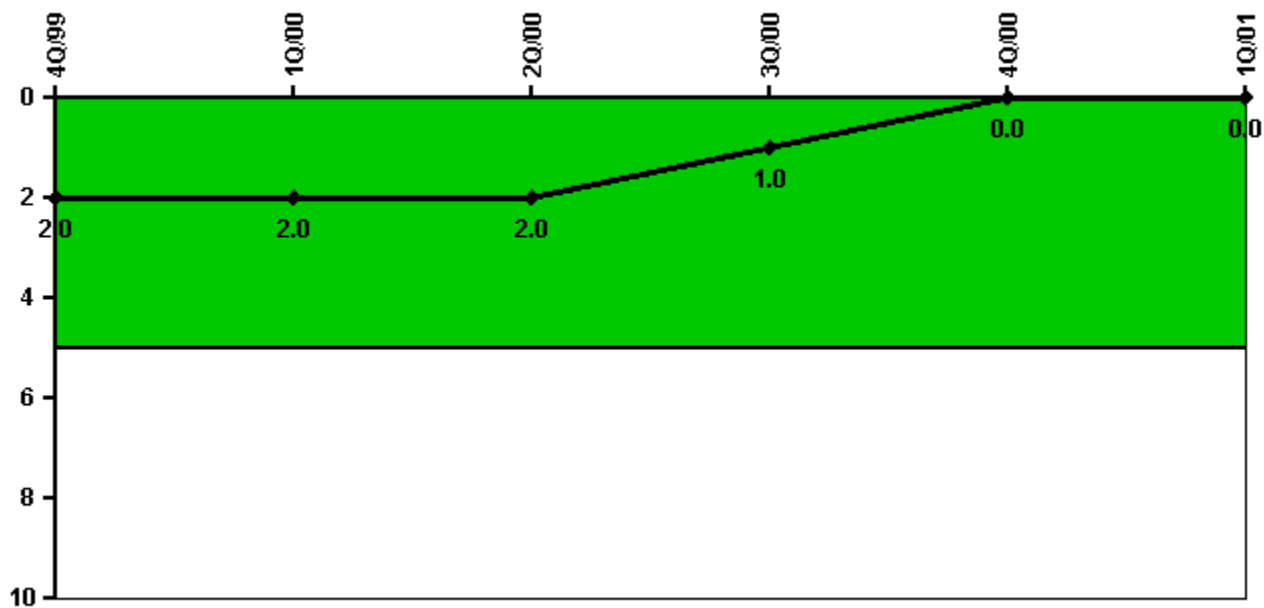
Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	31.60	26.50	27.10	0	0	7.93
Unplanned unavailable hours	0	0	0	0	0	1.92
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 2						
Planned unavailable hours	7.50	0.50	27.60	0	5.90	0.60
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	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Indicator value	1.5%	1.4%	1.3%	1.2%	1.1%	1.1%

Licensee Comments:

4Q/00: Corrected data entry error (2Q2001)

4Q/98: Corrected data entry error (2Q2001)

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

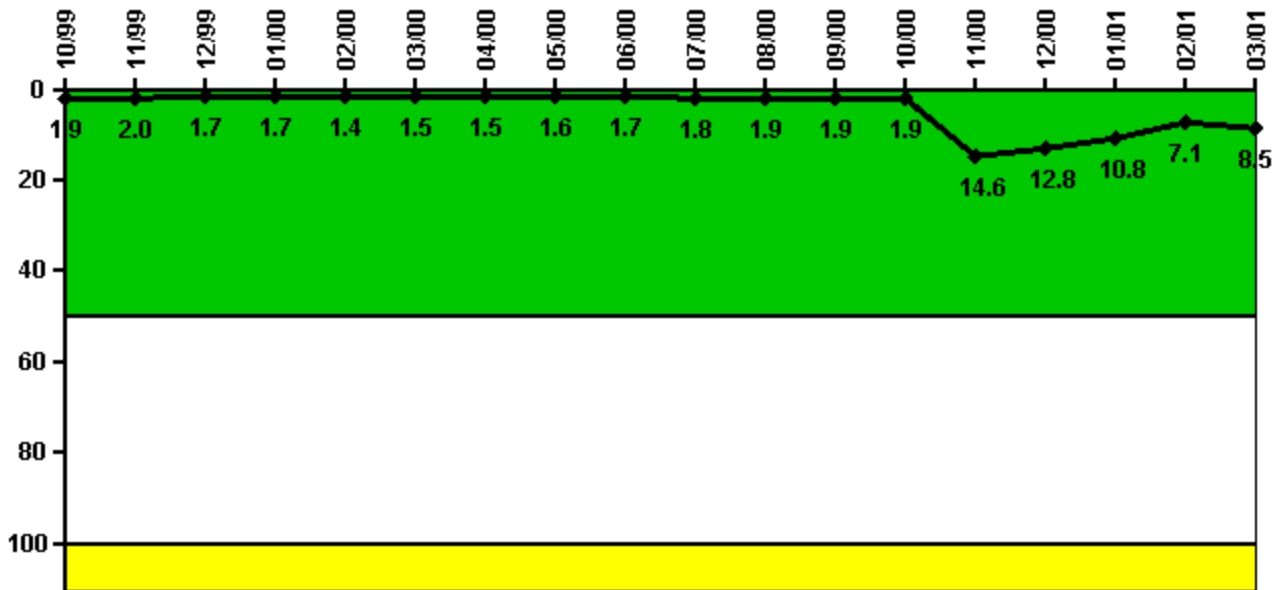
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000160	0.000130	0.000110	0.000110	0.000120	0.000120	0.000100	0.000095	0.000110	0.000114	0.001092	0.000533
Technical specification limit	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0	0	0	0.2	0.2	0.2	0.2	0.1	0.2	0.2	1.7	0.8

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000459	0.000157	0.000193	0.000200	0.000233	0.000265
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.7	0.2	0.3	0.3	0.4	0.4

Licensee Comments:

12/00: Corrected erroneous data entry by changing rounded figures to precise; no affect on indicator value (2Q2001)

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

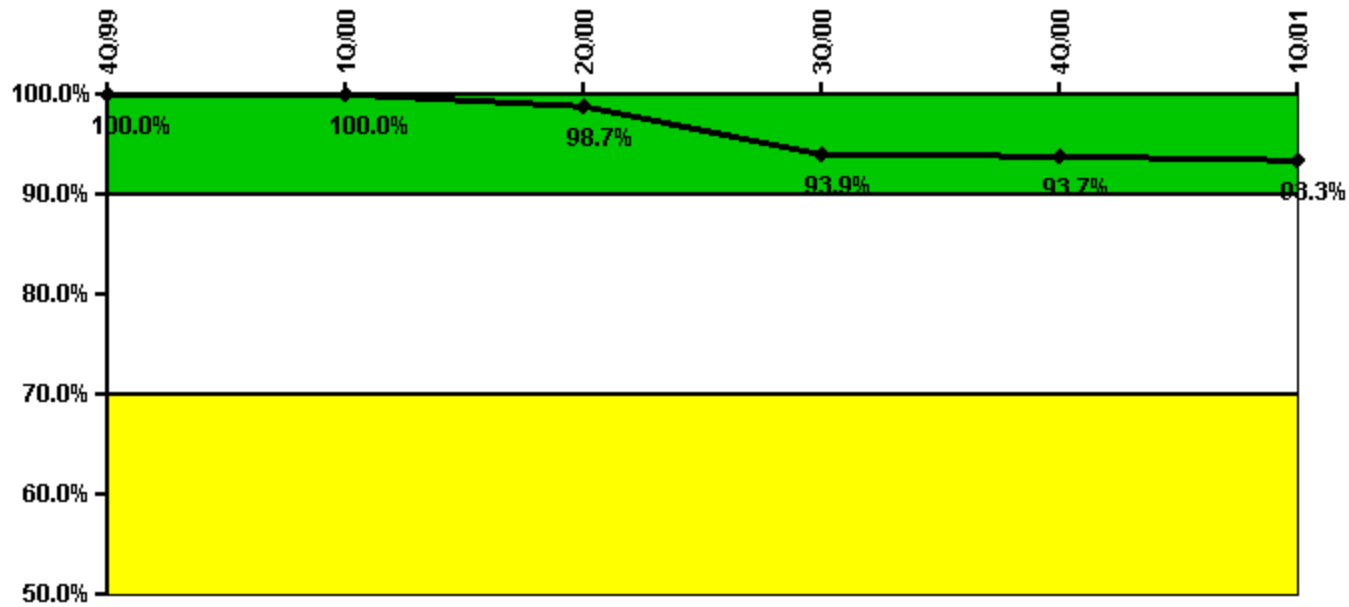
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.189	0.198	0.167	0.172	0.144	0.145	0.153	0.156	0.165	0.177	0.189	0.187
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	2.0	1.7	1.7	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.194	1.455	1.279	1.075	0.708	0.854
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	14.6	12.8	10.8	7.1	8.5

Licensee Comments:

3/01: Instrument problems in measuring pressurizer relief tank (PRT) level caused inconsistent RCSL calculation results. To improve consistency, the RCSL calculation procedure has been revised to measure any PRT input as unidentified leakage; therefore, the PRT input is not being reported as RCSL. This change is applicable to Catawba Unit 1 only and will remain in effect until equipment repairs are completed.

Drill/Exercise Performance



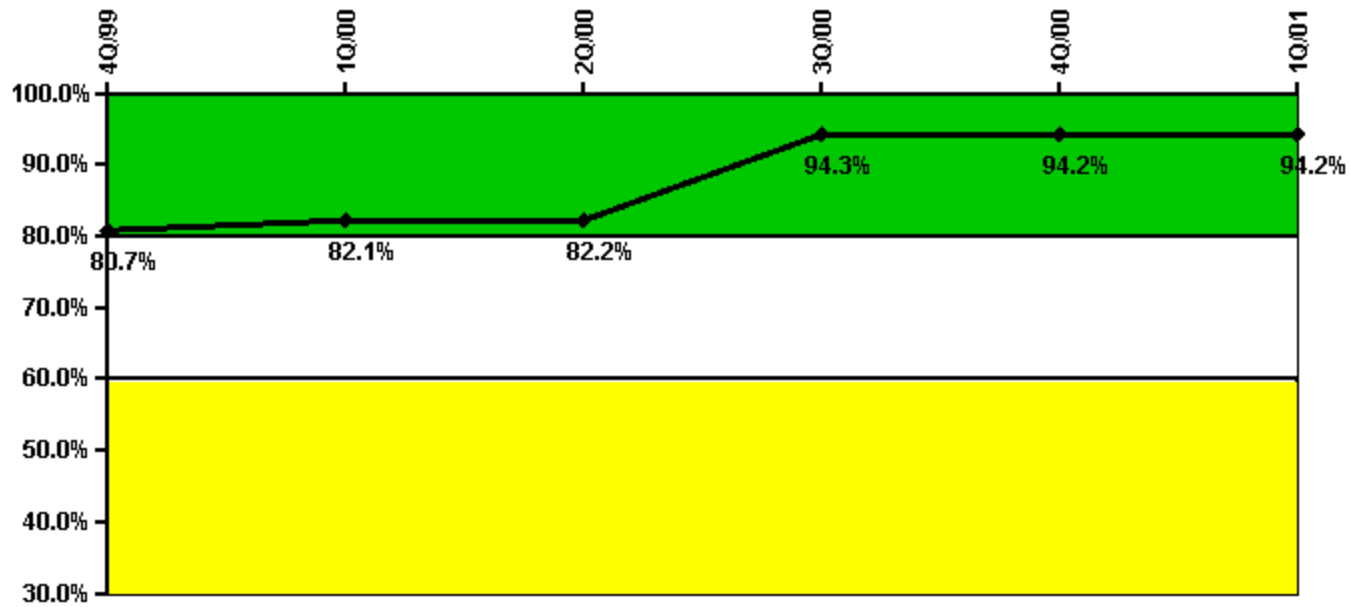
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	0	21.0	8.0	69.0	9.0	2.0
Total opportunities	0	21.0	9.0	77.0	9.0	2.0
Indicator value	100.0%	100.0%	98.7%	93.9%	93.7%	93.3%

Licensee Comments: none

ERO Drill Participation



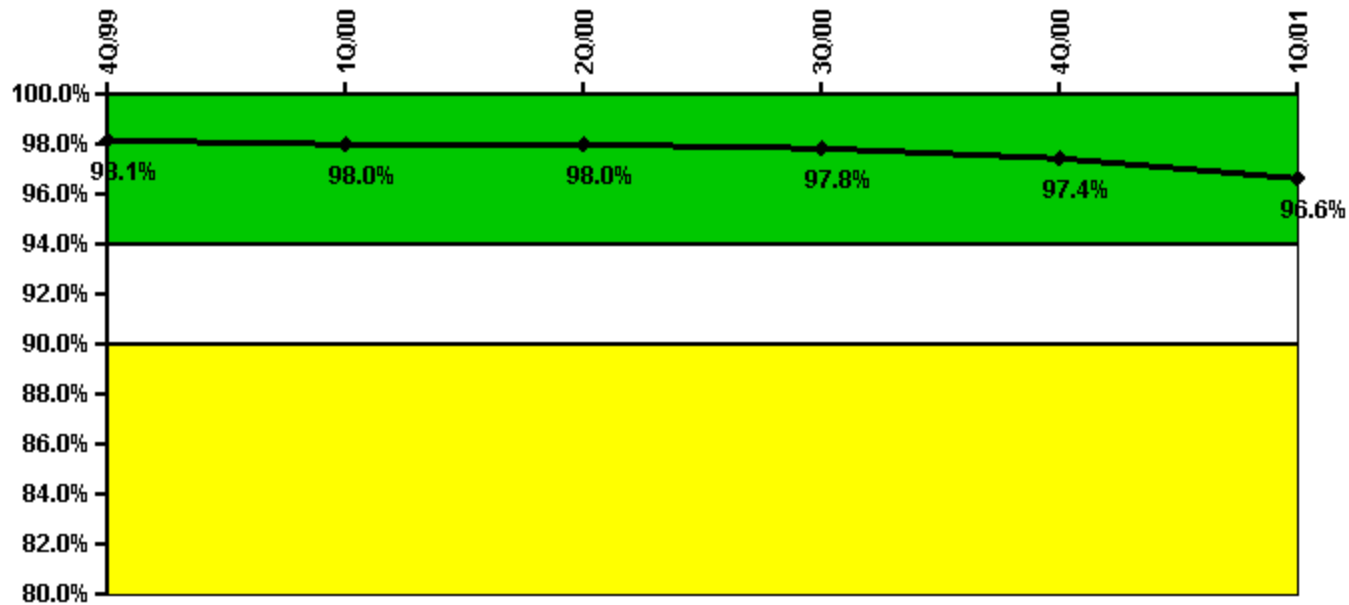
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	151.0	161.0	157.0	181.0	180.0	179.0
Total Key personnel	187.0	196.0	191.0	192.0	191.0	190.0
Indicator value	80.7%	82.1%	82.2%	94.3%	94.2%	94.2%

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	2226	2213	2234	2123	2195	2135
Total sirens-tests	2264	2276	2270	2188	2262	2276
Indicator value	98.1%	98.0%	98.0%	97.8%	97.4%	96.6%

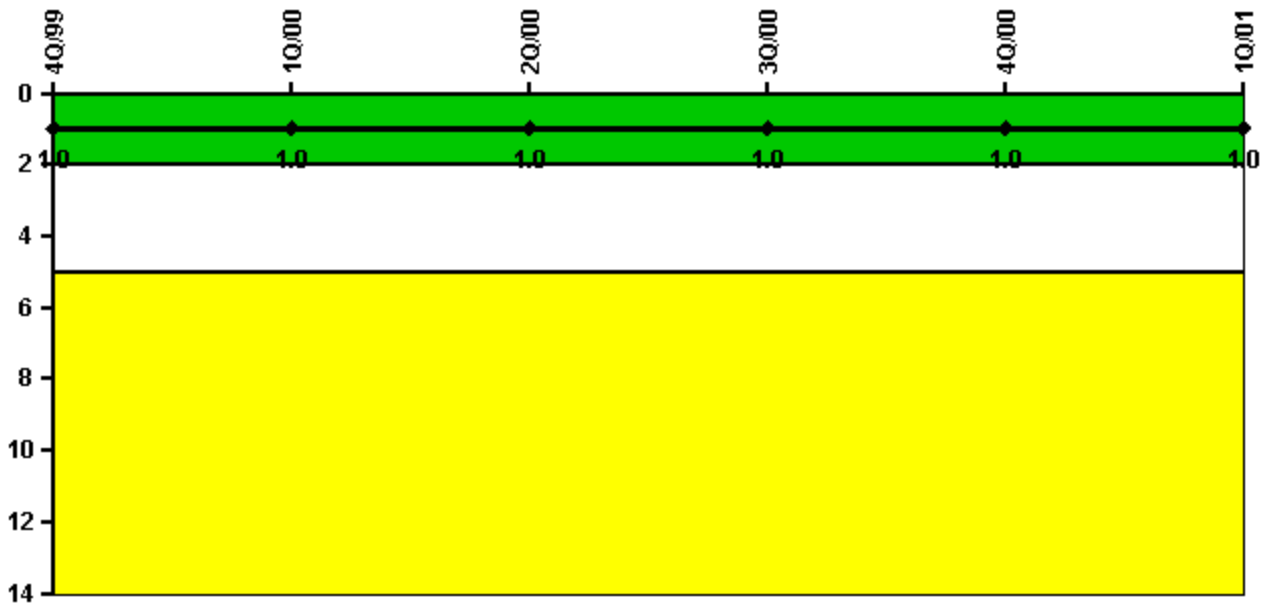
Licensee Comments:

1Q/01: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

4Q/00: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

3Q/00: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



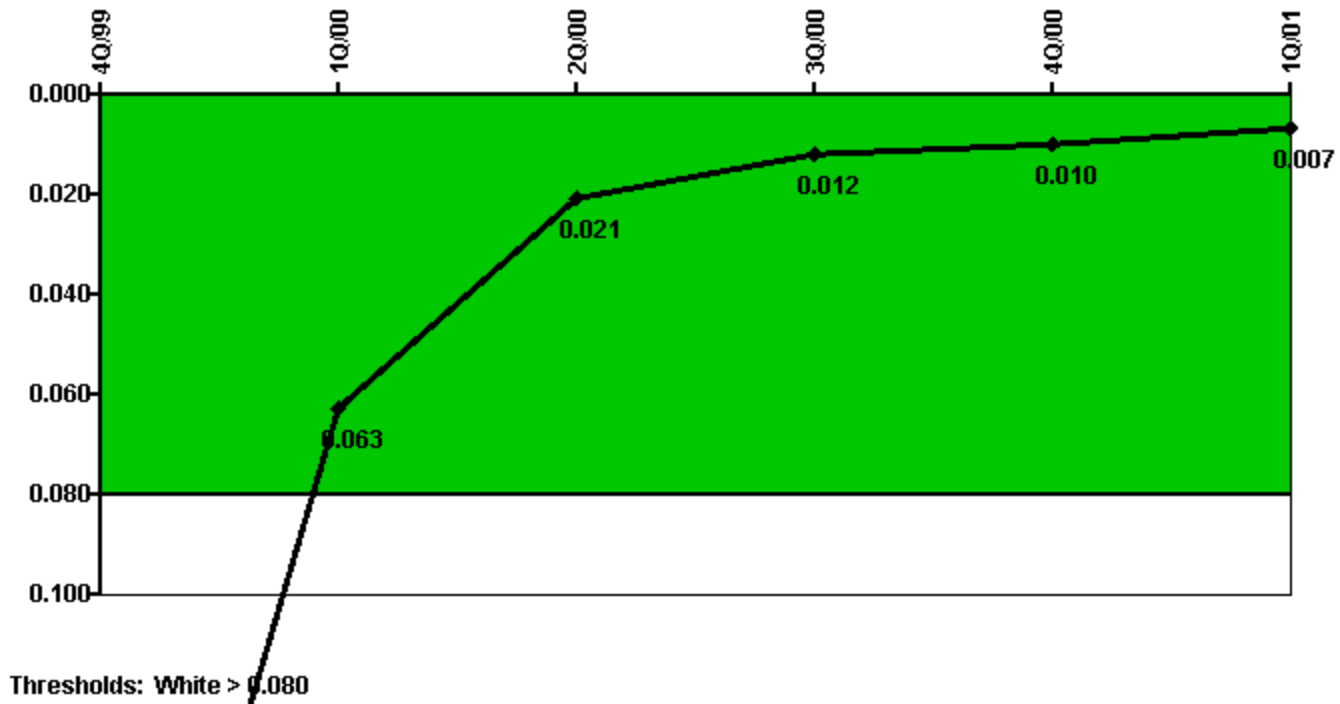
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
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



Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	88.80	37.50	63.90	30.30	0	9.20
CCTV compensatory hours	5.4	105.0	10.5	7.9	0.5	57.3
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.223	0.063	0.021	0.012	0.010	0.007

Licensee Comments: none

Personnel Screening Program



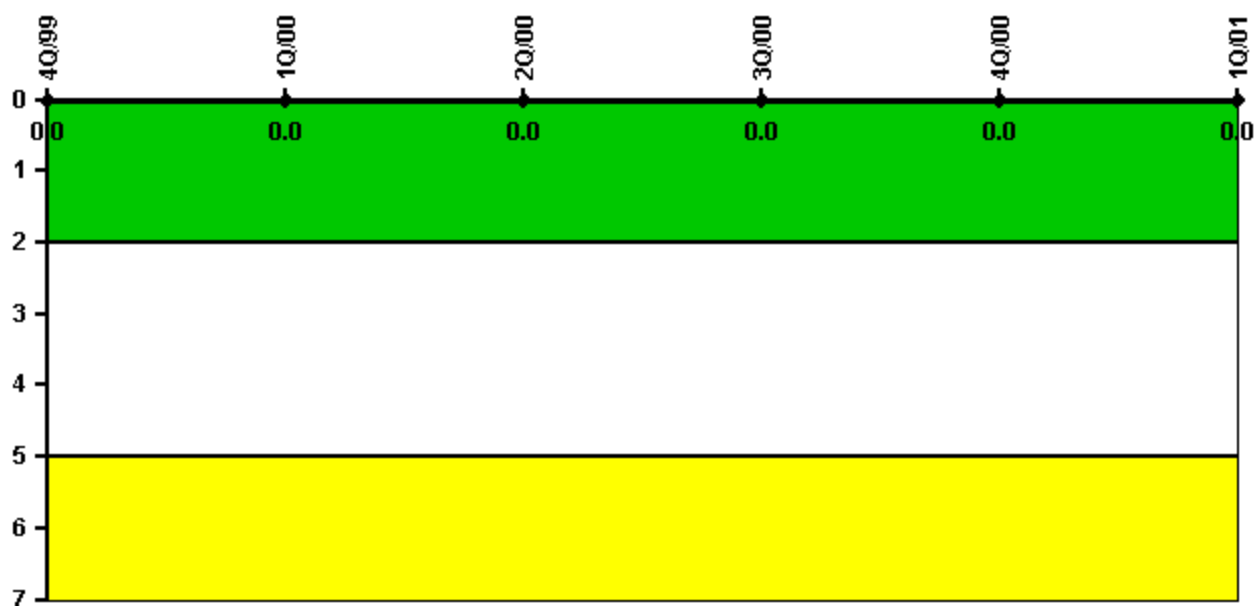
Thresholds: White > 2.0 Yellow > 5.0

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](#)

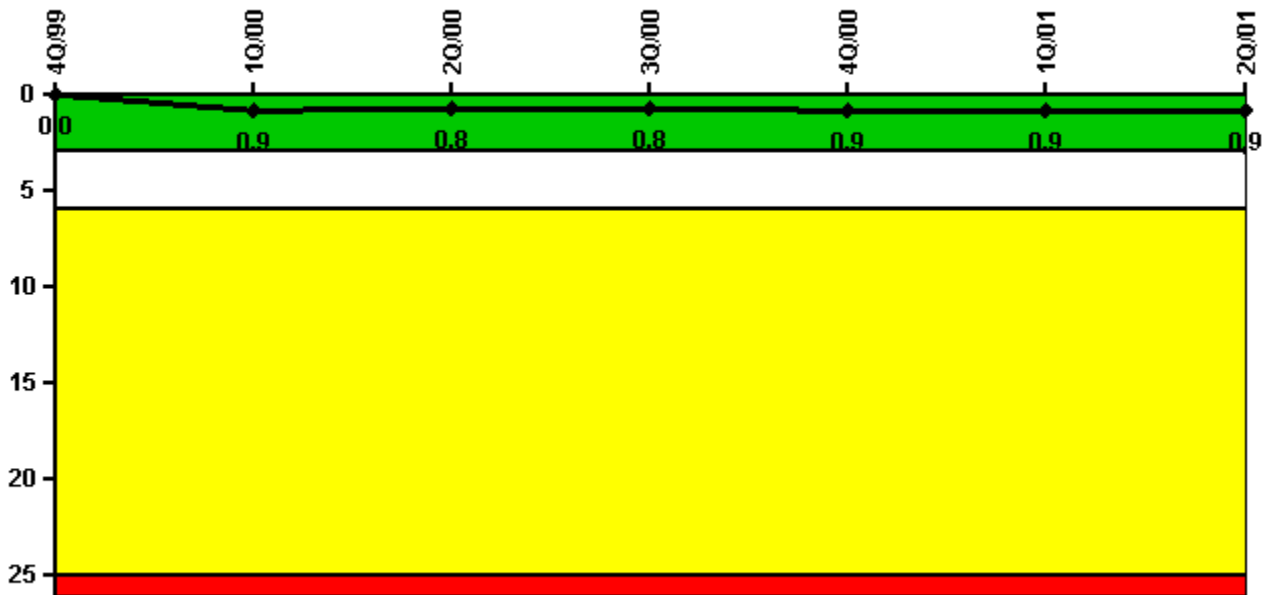
Last Modified: March 28, 2002

Catawba 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	1.0	0	0	0	1.0	0
Critical hours	2209.0	2163.0	2183.0	2208.0	1321.2	2128.9	2183.0
Indicator value	0	0.9	0.8	0.8	0.9	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



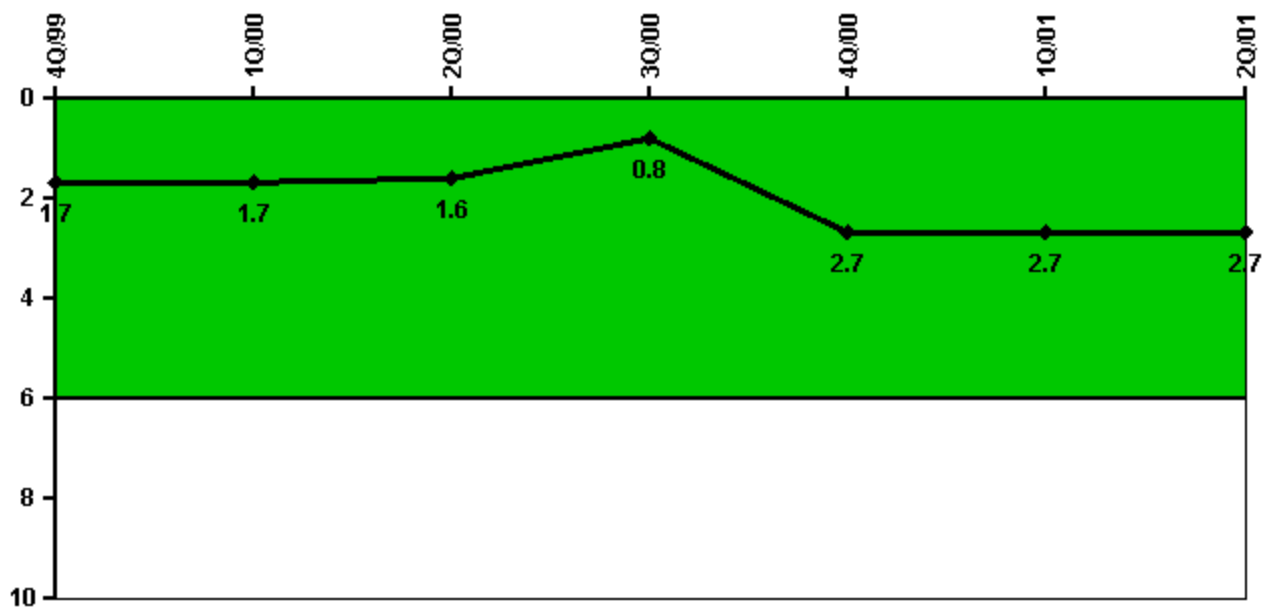
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



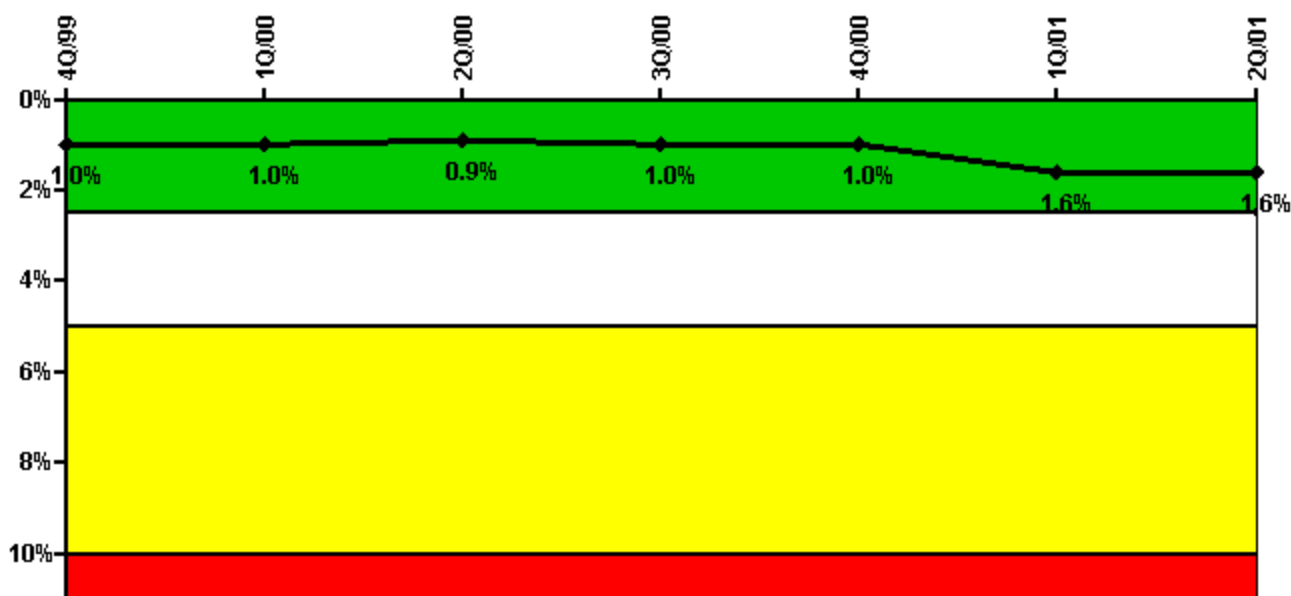
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	1.0	0	0	2.0	1.0	0
Critical hours	2209.0	2163.0	2183.0	2208.0	1321.2	2128.9	2183.0
Indicator value	1.7	1.7	1.6	0.8	2.7	2.7	2.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



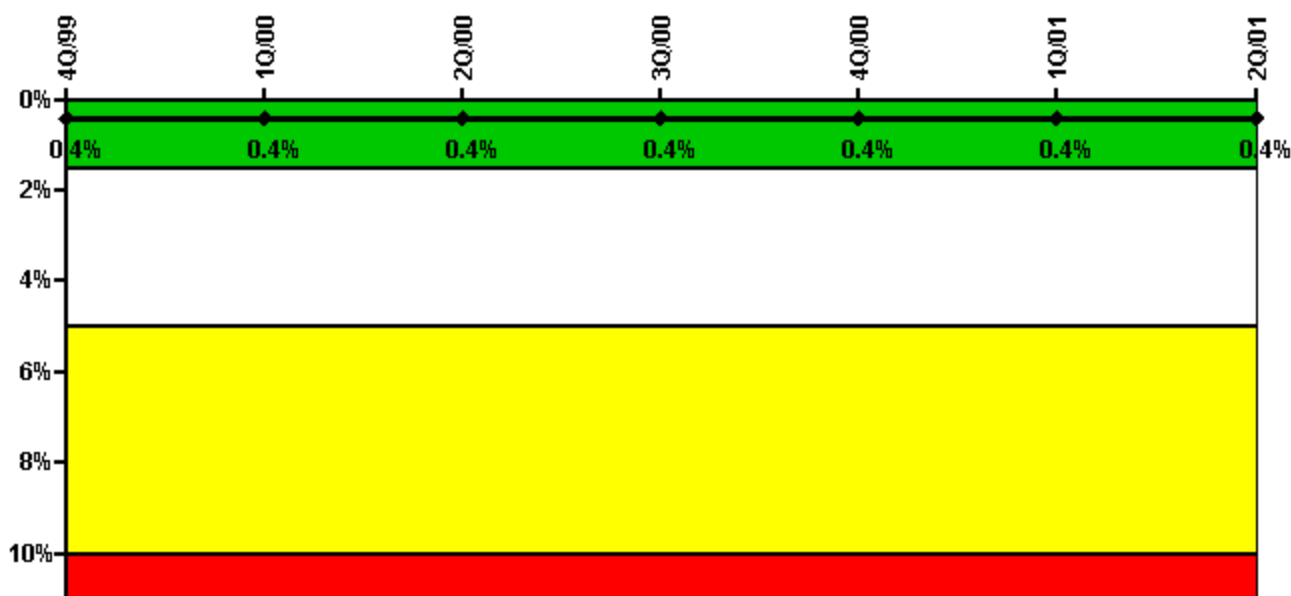
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	79.82	44.59	4.71	3.31	1.77	2.49	6.06
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	2208.00	2184.00	2184.00	2208.00	2209.00	2160.00	2184.00
Train 2							
Planned unavailable hours	12.73	2.04	3.53	3.34	2.03	1.72	4.95
Unplanned unavailable hours	95.83	0	0	30.83	0	16.62	0
Fault exposure hours	0	0	0	0	0	333.20	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2209.00	2160.00	2184.00
Indicator value	1.0%	1.0%	0.9%	1.0%	1.0%	1.6%	1.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	4.50	1.80	1.70	0	0	7.30	1.35
Unplanned unavailable hours	0	4.40	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	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00
Train 2							
Planned unavailable hours	14.40	15.60	4.10	2.10	0	2.50	5.60
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	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00
Train 3							
Planned unavailable hours	8.30	1.80	1.40	5.10	0	5.83	1.35
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	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00
Train 4							
Planned unavailable hours	0	0	1.80	12.30	9.00	0	0
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	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



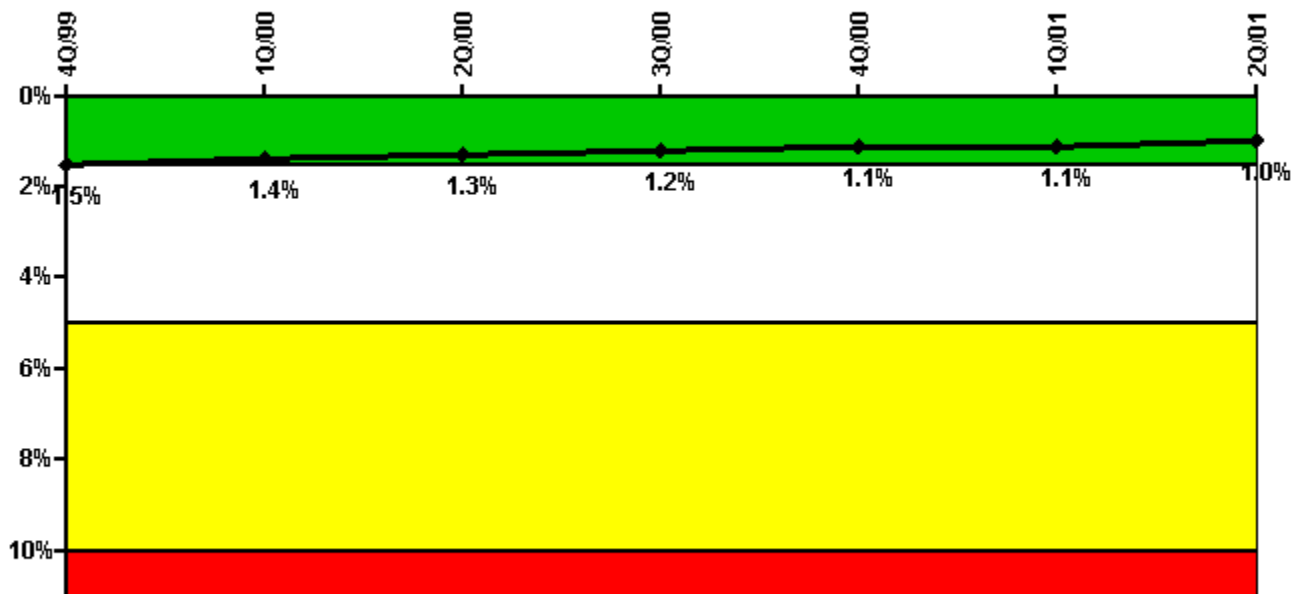
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	72.00	76.58	20.62	27.44	0	0	19.32
Unplanned unavailable hours	0	12.10	0	0	0	1.88	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	2184.00	2208.00	1366.70	2160.00	2184.00
Train 2							
Planned unavailable hours	69.30	50.33	50.11	20.25	0	9.31	10.33
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	2184.00	2208.00	1366.70	2160.00	2184.00
Train 3							
Planned unavailable hours	9.20	10.19	14.53	11.30	0	12.05	9.10
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	2184.00	2208.00	1366.70	2160.00	2184.00
Indicator value	0.8%	0.9%	1.0%	1.0%	1.0%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

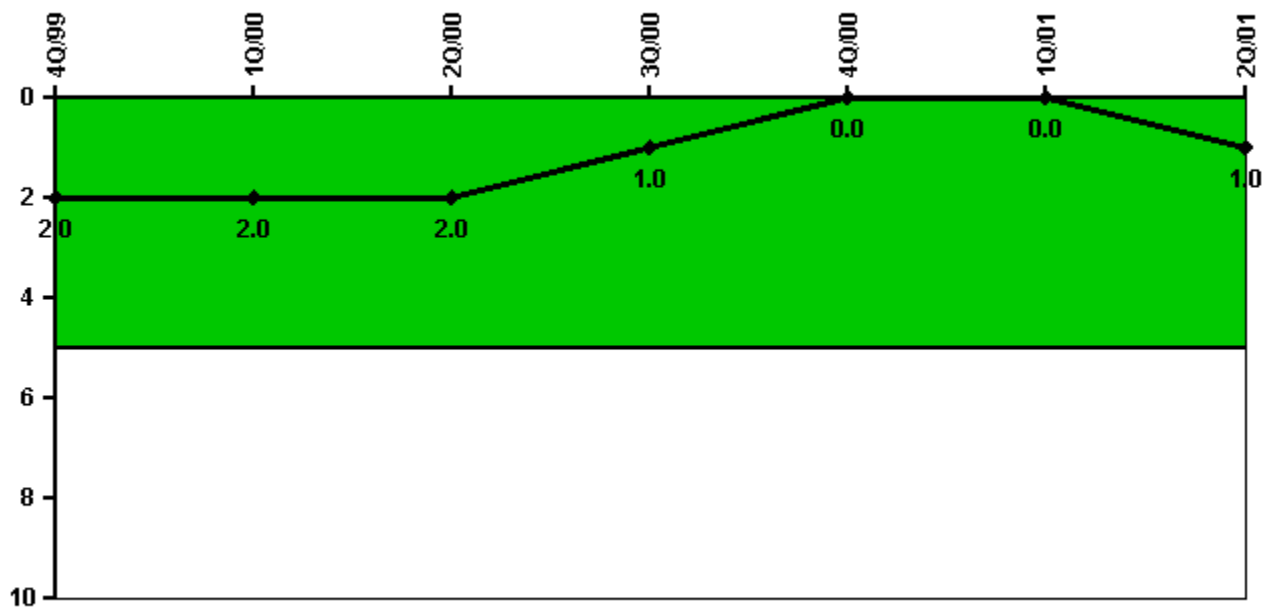
Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	31.60	26.50	27.10	0	0	7.93	25.75
Unplanned unavailable hours	0	0	0	0	0	1.92	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 2							
Planned unavailable hours	7.50	0.50	27.60	0	5.90	0.60	0
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	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Indicator value	1.5%	1.4%	1.3%	1.2%	1.1%	1.1%	1.0%

Licensee Comments:

4Q/00: Corrected data entry error (2Q2001)

4Q/98: Corrected data entry error (2Q2001)

Safety System Functional Failures (PWR)



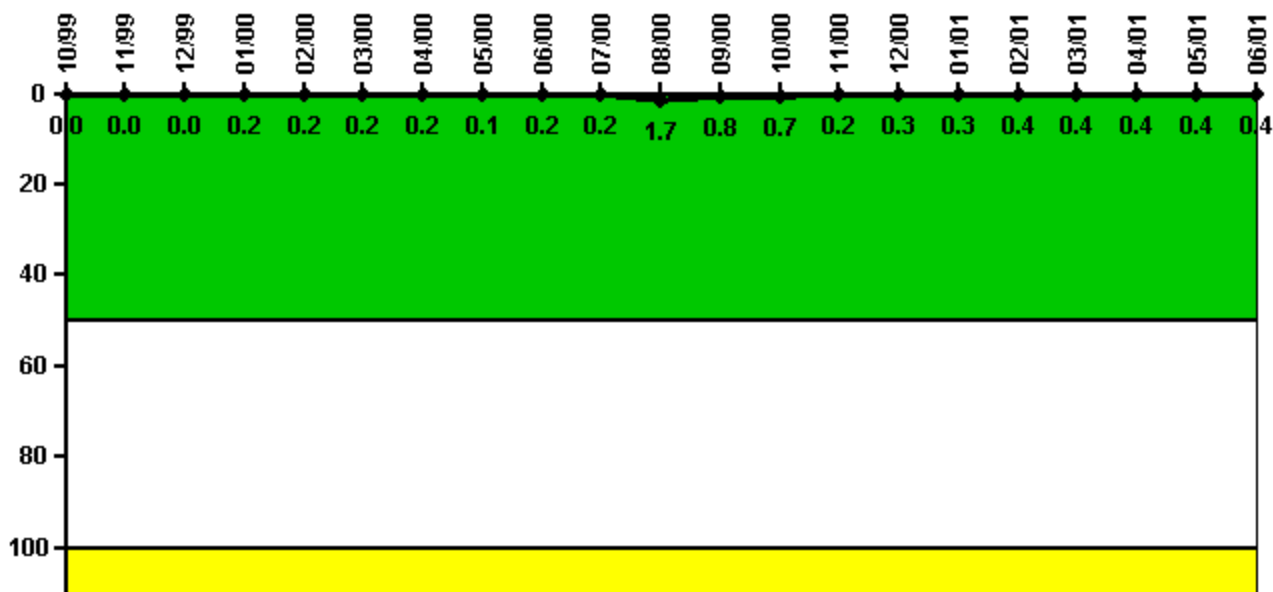
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

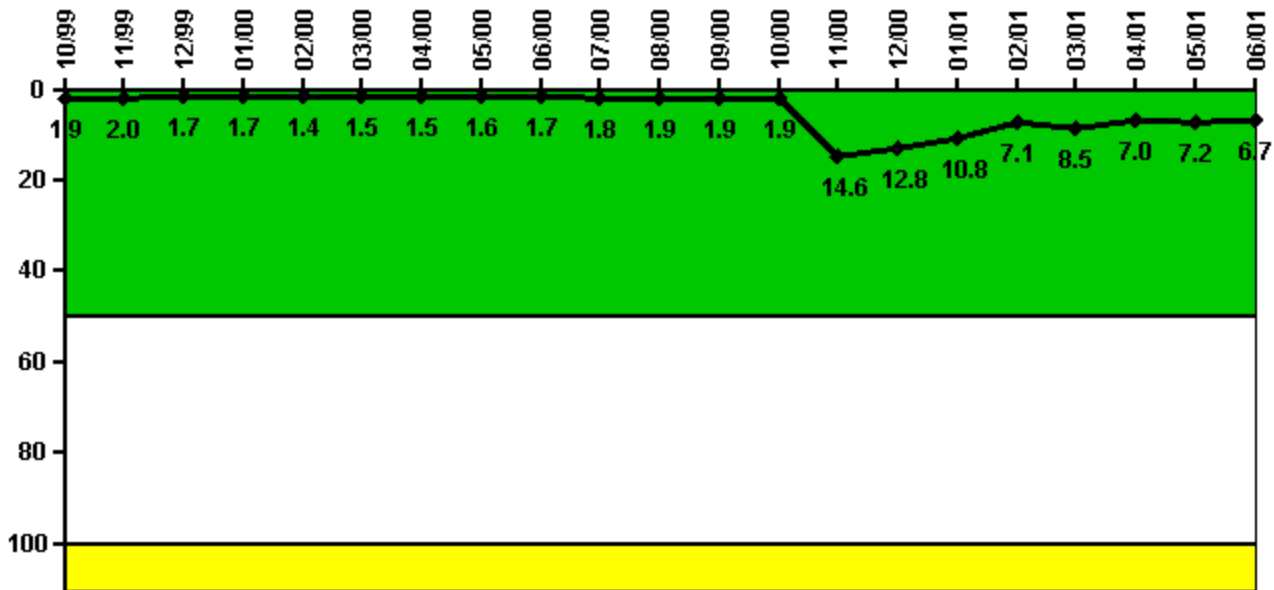
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000160	0.000130	0.000110	0.000110	0.000120	0.000120	0.000100	0.000095	0.000110	0.000114	0.001092	0.000533
Technical specification limit	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0	0	0	0.2	0.2	0.2	0.2	0.1	0.2	0.2	1.7	0.8

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000459	0.000157	0.000193	0.000200	0.000233	0.000265	0.000245	0.000257	0.000258
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.7	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4

Licensee Comments:

12/00: Corrected erroneous data entry by changing rounded figures to precise; no affect on indicator value (2Q2001)

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

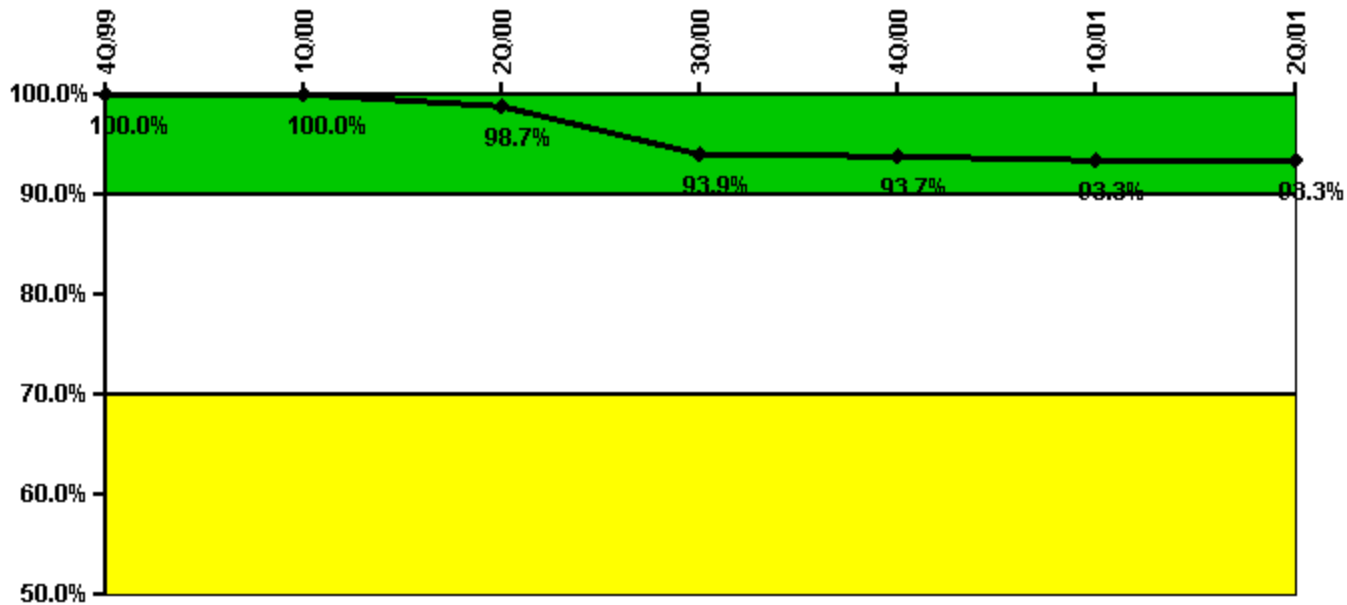
Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.189	0.198	0.167	0.172	0.144	0.145	0.153	0.156	0.165	0.177	0.189	0.187
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	2.0	1.7	1.7	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.194	1.455	1.279	1.075	0.708	0.854	0.699	0.716	0.669
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	14.6	12.8	10.8	7.1	8.5	7.0	7.2	6.7

Licensee Comments: none

Drill/Exercise Performance



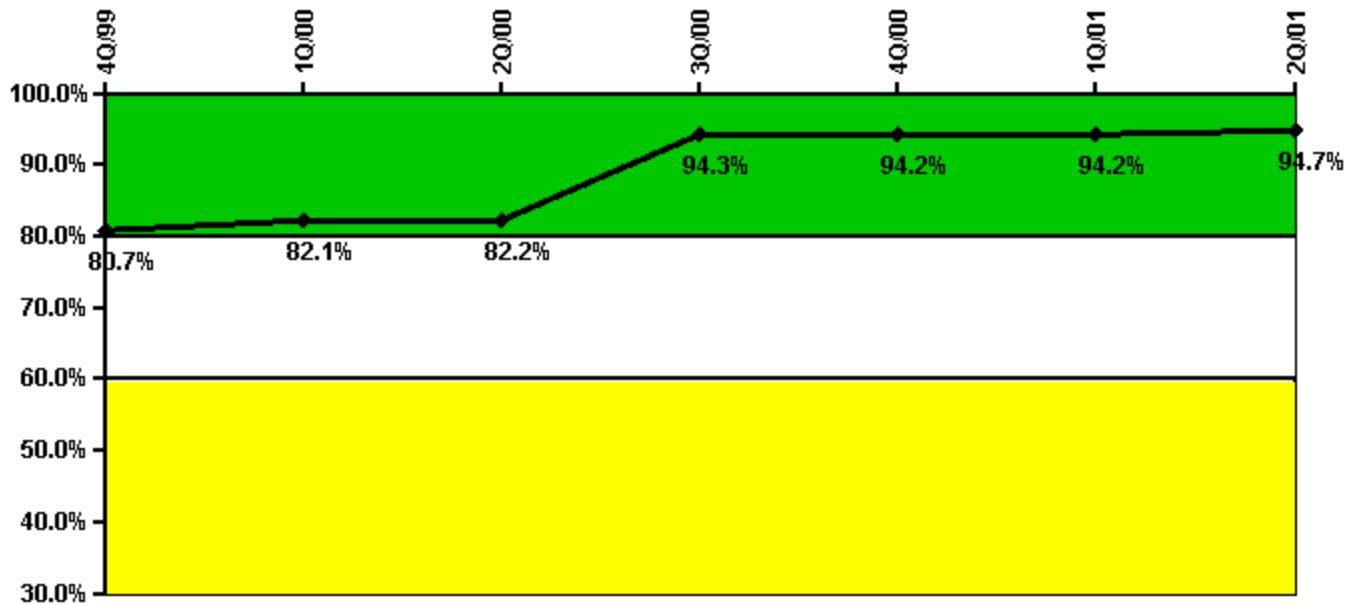
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	0	21.0	8.0	69.0	9.0	2.0	7.0
Total opportunities	0	21.0	9.0	77.0	9.0	2.0	7.0
Indicator value	100.0%	100.0%	98.7%	93.9%	93.7%	93.3%	93.3%

Licensee Comments: none

ERO Drill Participation



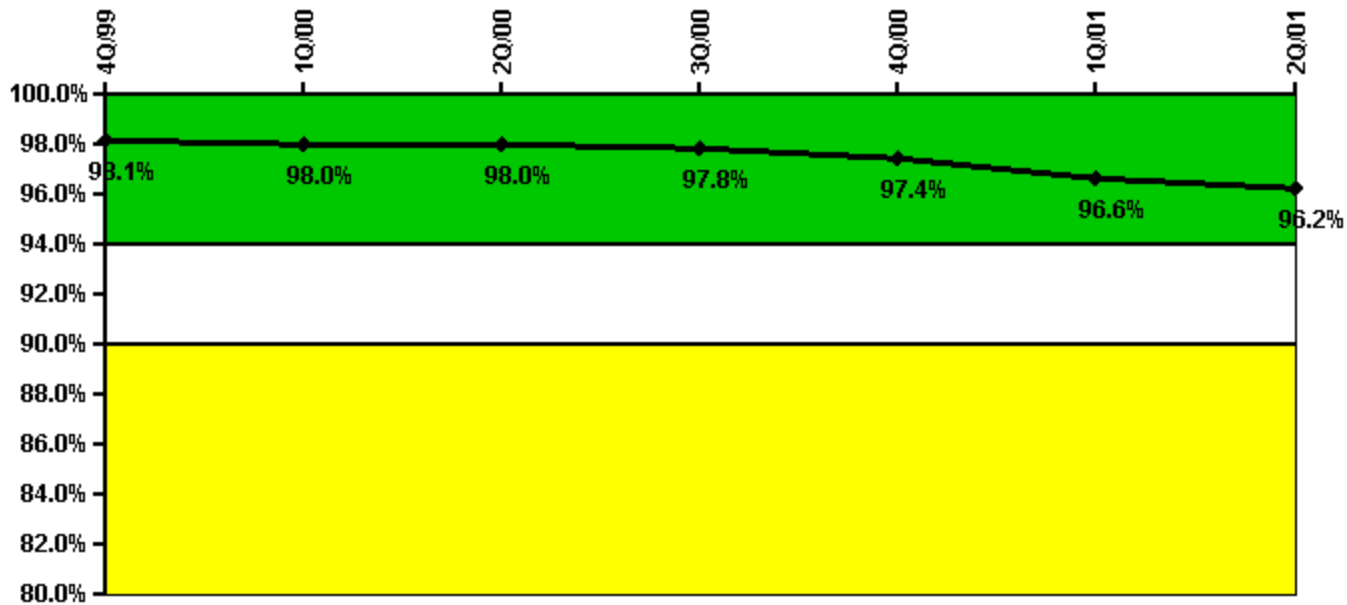
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	151.0	161.0	157.0	181.0	180.0	179.0	178.0
Total Key personnel	187.0	196.0	191.0	192.0	191.0	190.0	188.0
Indicator value	80.7%	82.1%	82.2%	94.3%	94.2%	94.2%	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	2Q/01
Successful siren-tests	2226	2213	2234	2123	2195	2135	2293
Total sirens-tests	2264	2276	2270	2188	2262	2276	2363
Indicator value	98.1%	98.0%	98.0%	97.8%	97.4%	96.6%	96.2%

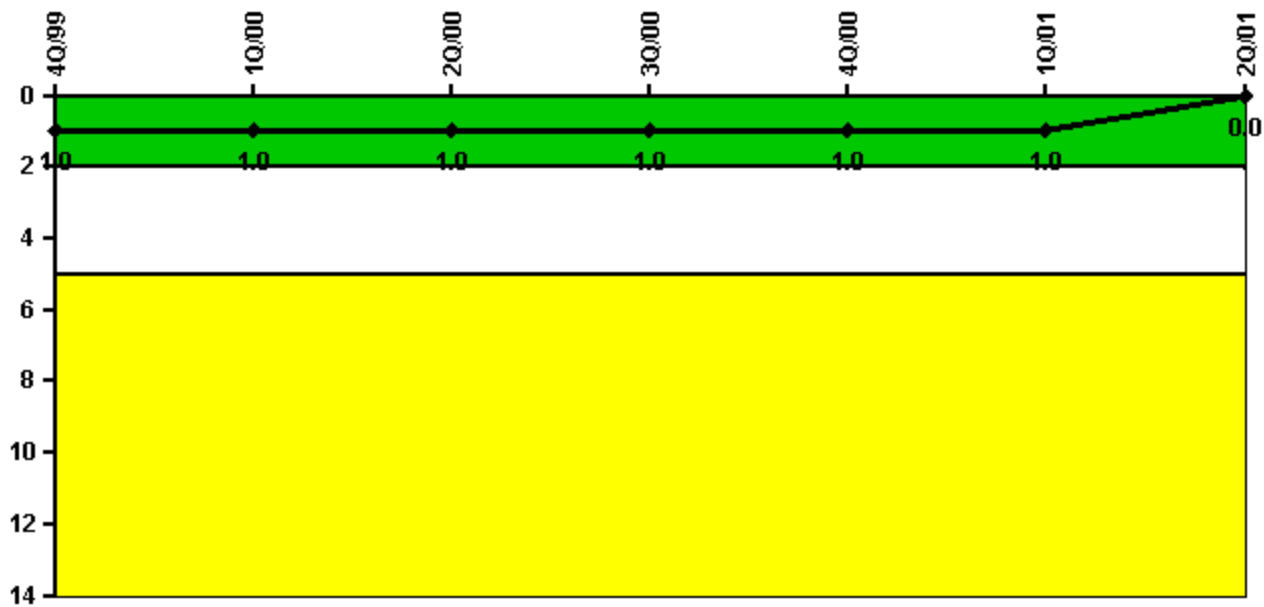
Licensee Comments:

1Q/01: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

4Q/00: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

3Q/00: Continued evaluation revealed a specific siren (#40) indicated success on certain tests and failure on quarterly full cycle tests. Successful tests for #40 (from August 2000 to present) are now being reported as failures.

Occupational Exposure Control Effectiveness



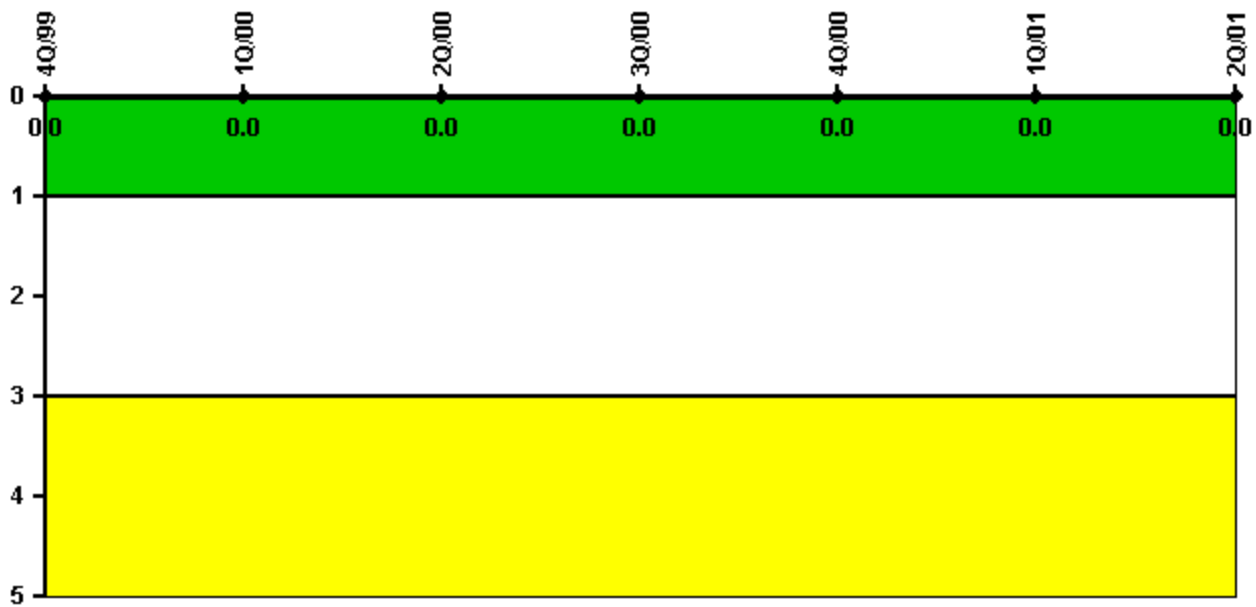
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



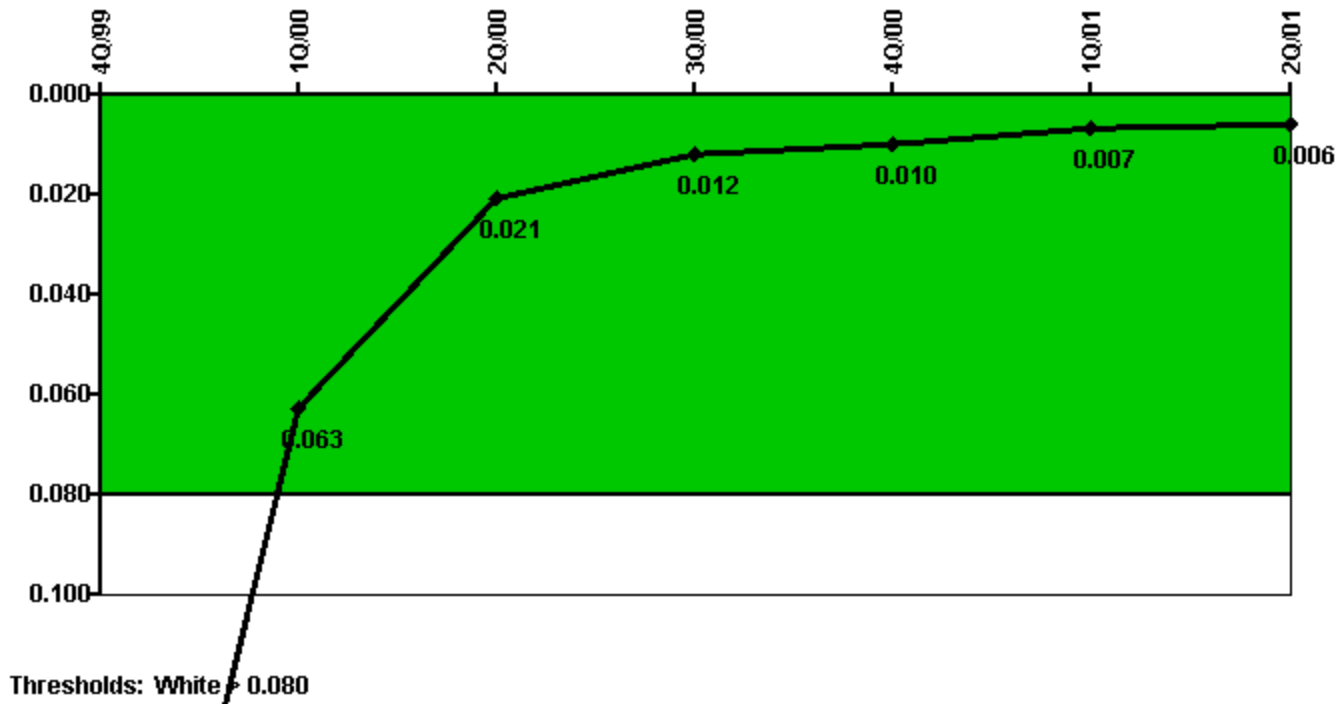
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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

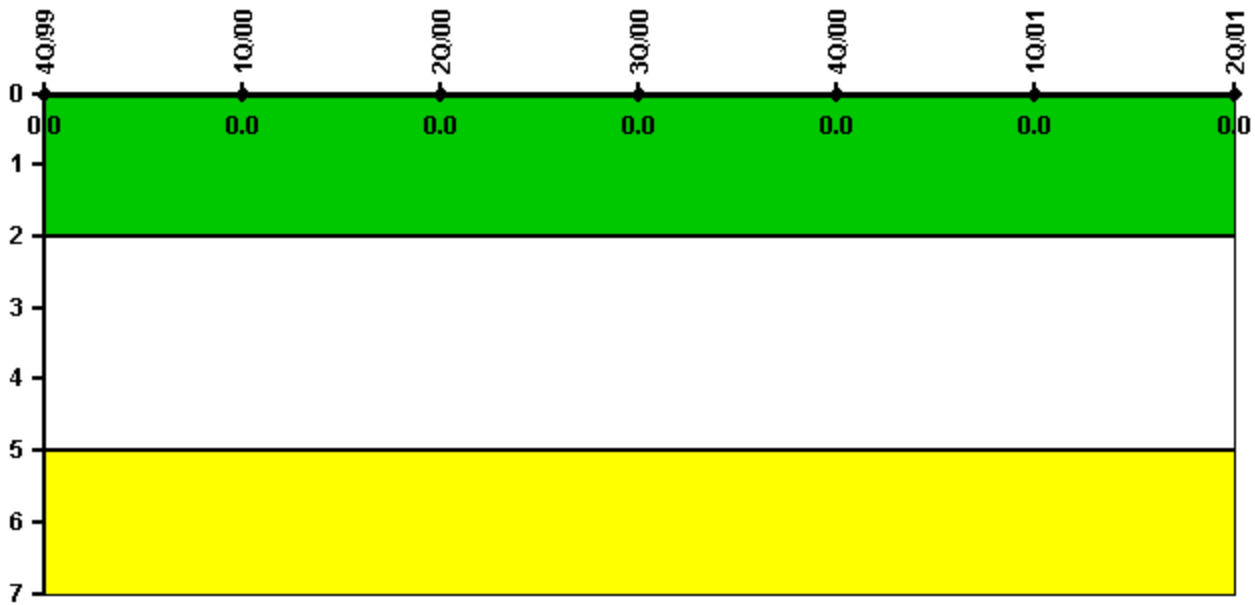


Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	88.80	37.50	63.90	30.30	0	9.20	58.10
CCTV compensatory hours	5.4	105.0	10.5	7.9	0.5	57.3	3.8
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.223	0.063	0.021	0.012	0.010	0.007	0.006

Licensee Comments: none

Personnel Screening Program



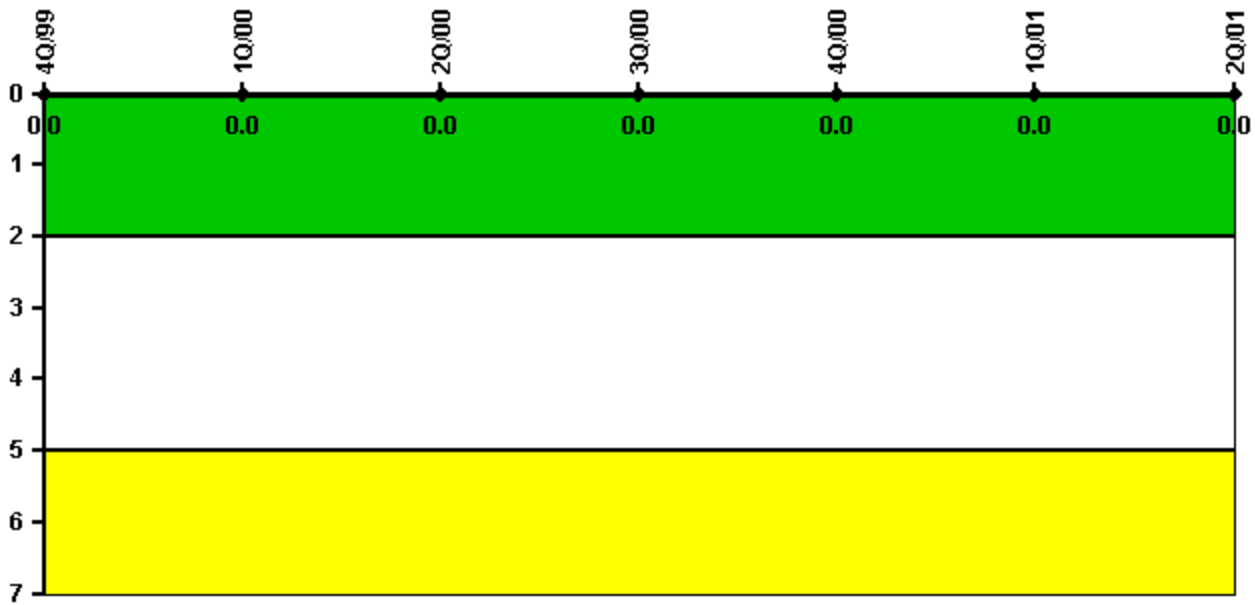
Thresholds: White > 2.0 Yellow > 5.0

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

Catawba 1

3Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



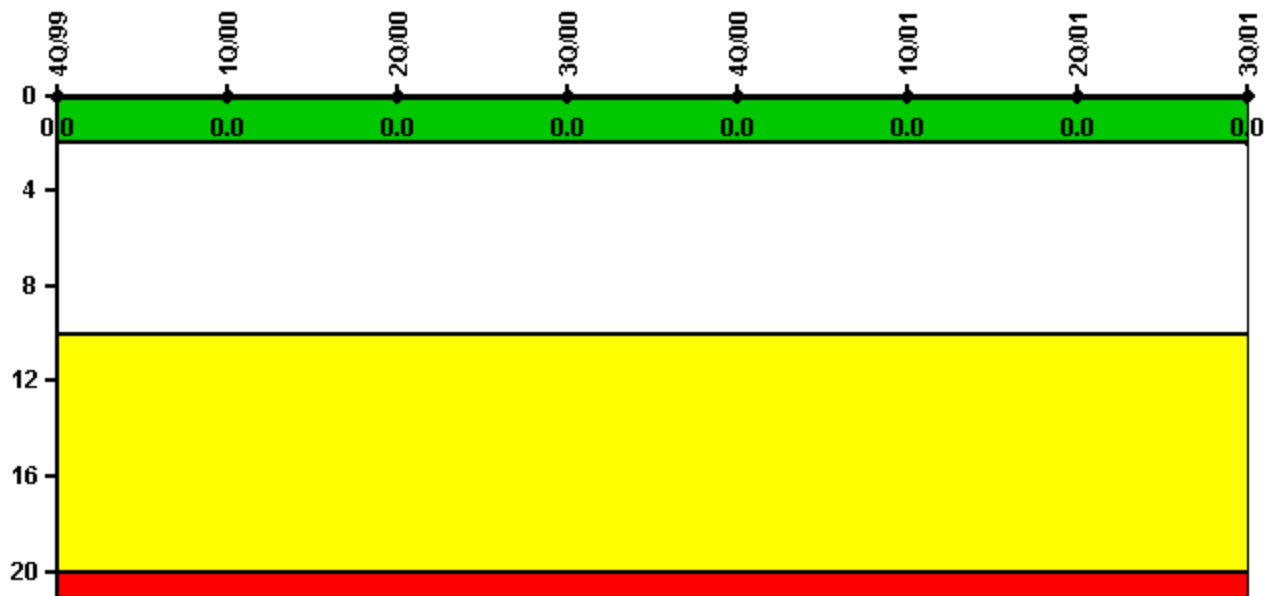
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	1.0	0	0
Critical hours	2209.0	2163.0	2183.0	2208.0	1321.2	2128.9	2183.0	2208.0
Indicator value	0	0.9	0.8	0.8	0.9	0.9	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



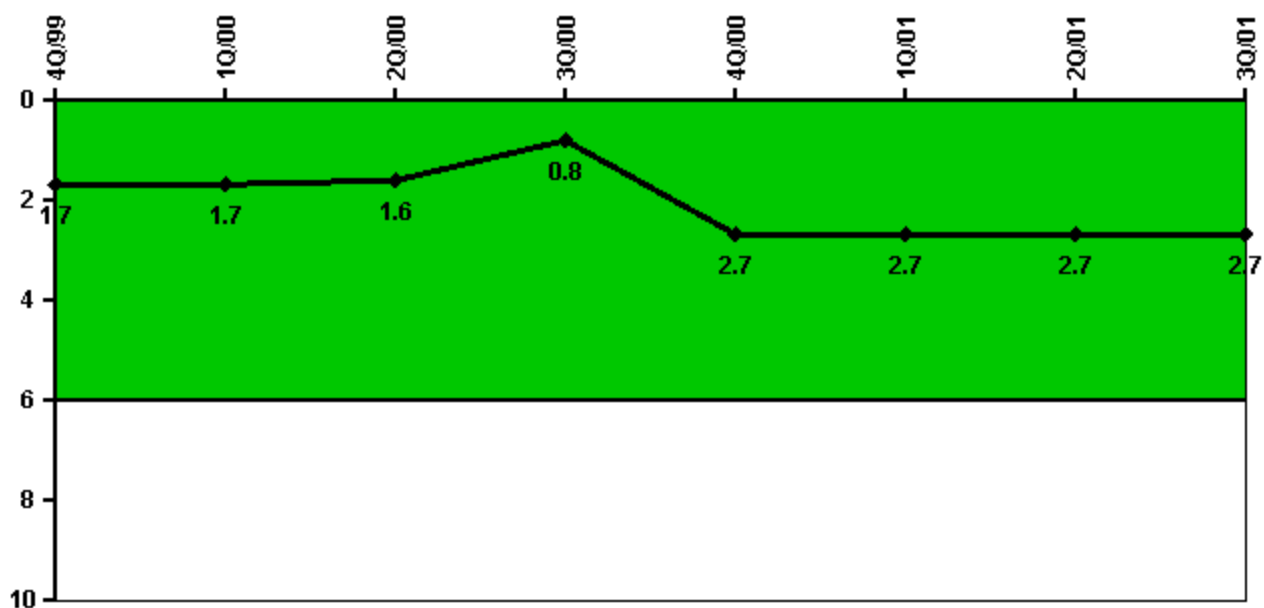
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



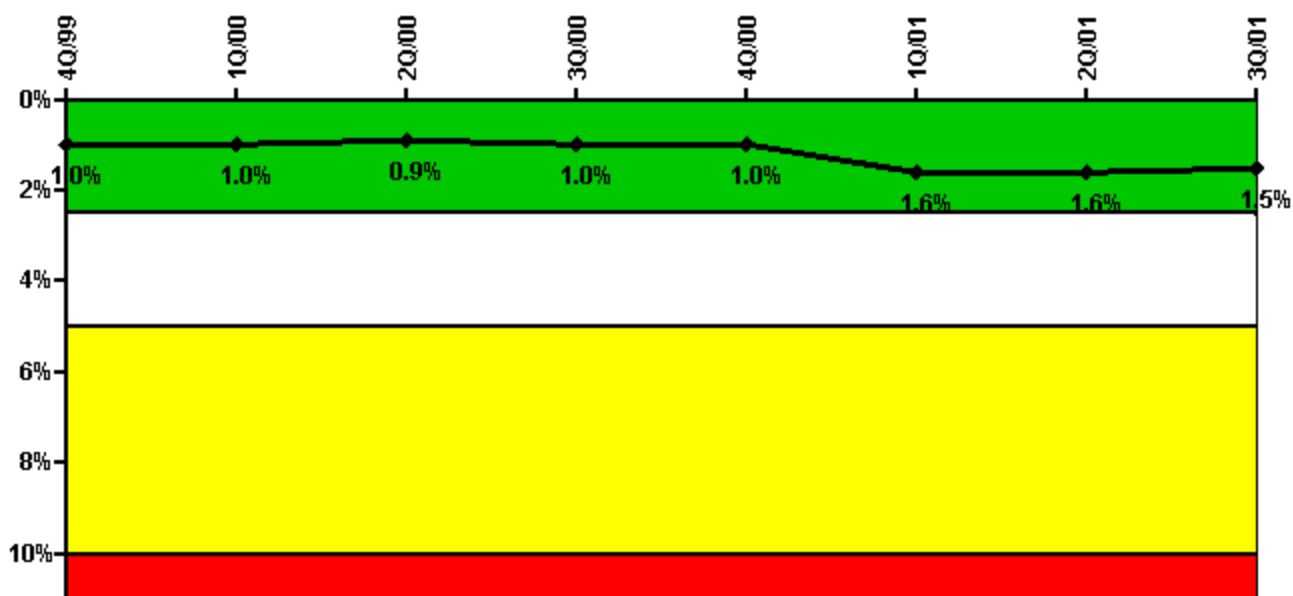
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	1.0	0	0	2.0	1.0	0	0
Critical hours	2209.0	2163.0	2183.0	2208.0	1321.2	2128.9	2183.0	2208.0
Indicator value	1.7	1.7	1.6	0.8	2.7	2.7	2.7	2.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



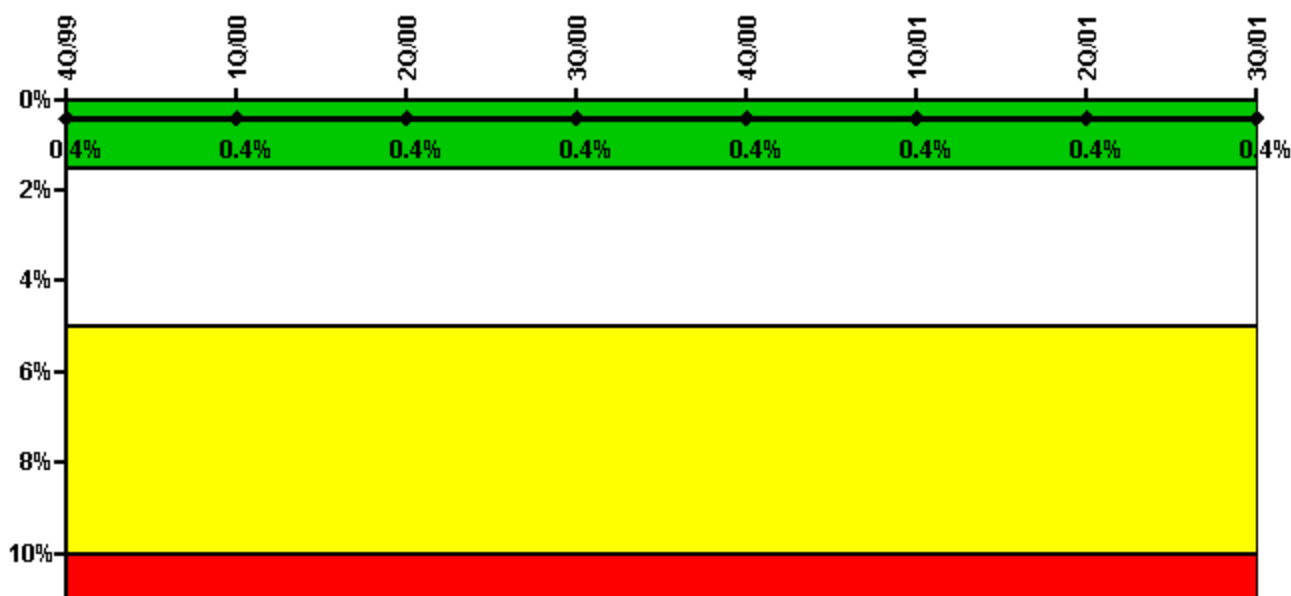
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	79.82	44.59	4.71	3.31	1.77	2.49	6.06	3.35
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	2208.00	2184.00	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	12.73	2.04	3.53	3.34	2.03	1.72	4.95	2.48
Unplanned unavailable hours	95.83	0	0	30.83	0	16.62	0	6.12
Fault exposure hours	0	0	0	0	0	333.20	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00
Indicator value	1.0%	1.0%	0.9%	1.0%	1.0%	1.6%	1.6%	1.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



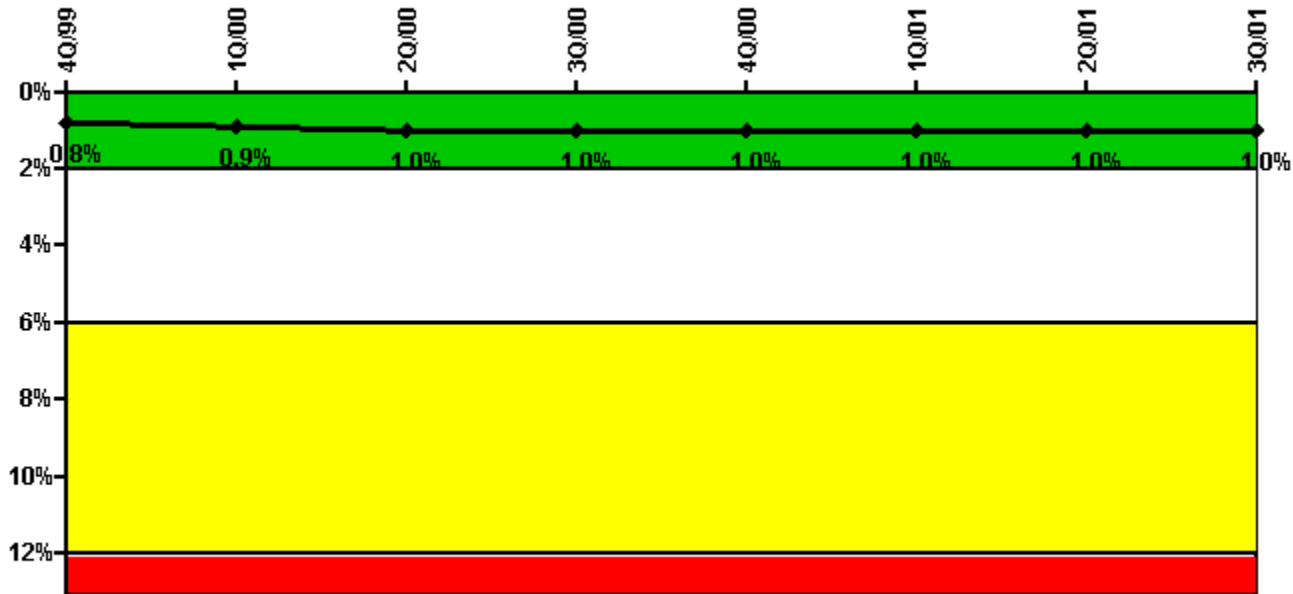
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	4.50	1.80	1.70	0	0	7.30	1.35	6.16
Unplanned unavailable hours	0	4.40	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	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00
Train 2								
Planned unavailable hours	14.40	15.60	4.10	2.10	0	2.50	5.60	25.05
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00
Train 3								
Planned unavailable hours	8.30	1.80	1.40	5.10	0	5.83	1.35	0.38
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	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00
Train 4								
Planned unavailable hours	0	0	1.80	12.30	9.00	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



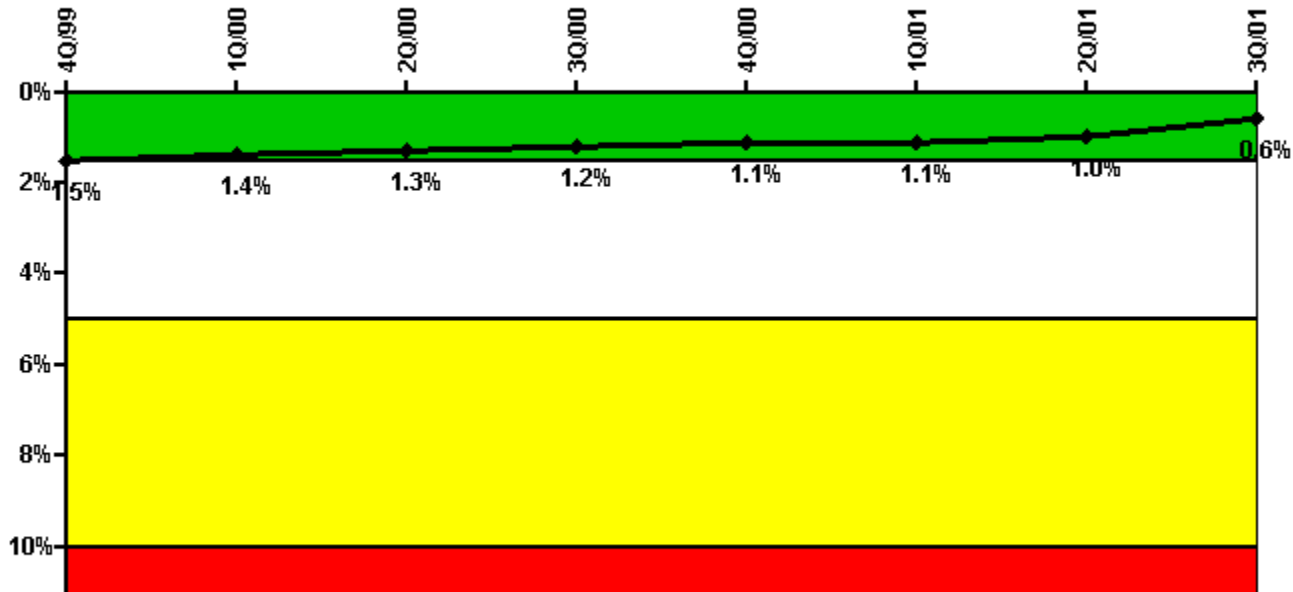
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	72.00	76.58	20.62	27.44	0	0	19.32	2.51
Unplanned unavailable hours	0	12.10	0	0	0	1.88	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2184.00	2208.00	1366.70	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	69.30	50.33	50.11	20.25	0	9.31	10.33	1.97
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	2184.00	2208.00	1366.70	2160.00	2184.00	2208.00
Train 3								
Planned unavailable hours	9.20	10.19	14.53	11.30	0	12.05	9.10	9.48
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2184.00	2208.00	1366.70	2160.00	2184.00	2208.00
Indicator value	0.8%	0.9%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



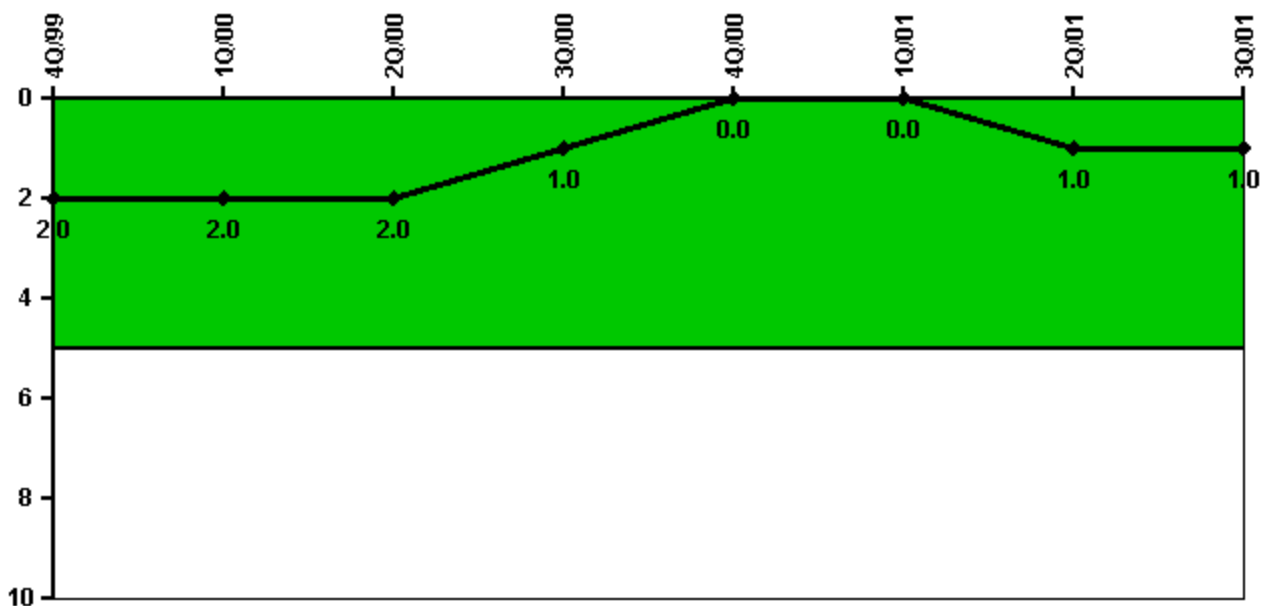
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	31.60	26.50	27.10	0	0	7.93	25.75	0.38
Unplanned unavailable hours	0	0	0	0	0	1.92	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	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	7.50	0.50	27.60	0	5.90	0.60	0	0.20
Unplanned unavailable hours	0	0	0	0	0	0	0	8.53
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	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	1.5%	1.4%	1.3%	1.2%	1.1%	1.1%	1.0%	0.6%

Licensee Comments: none

Safety System Functional Failures (PWR)



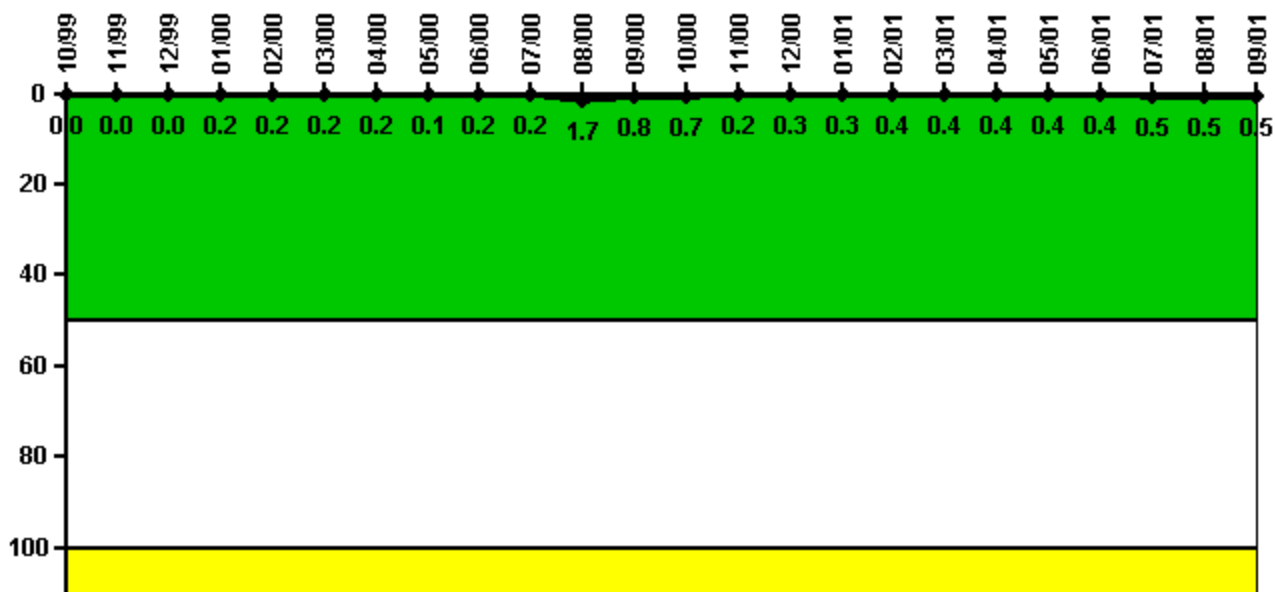
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

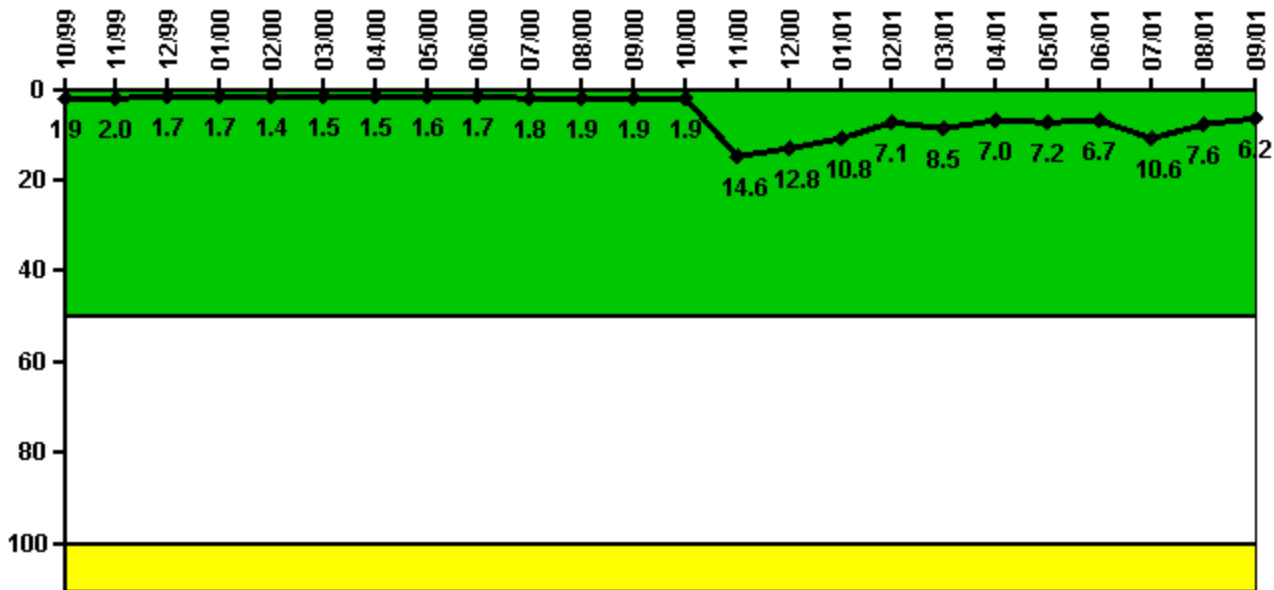
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000160	0.000130	0.000110	0.000110	0.000120	0.000120	0.000100	0.000095	0.000110	0.000114	0.001092	0.000533
Technical specification limit	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0	0	0	0.2	0.2	0.2	0.2	0.1	0.2	0.2	1.7	0.8

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	0.000459	0.000157	0.000193	0.000200	0.000233	0.000265	0.000245	0.000257	0.000258	0.000300	0.000300	0.000300
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.7	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

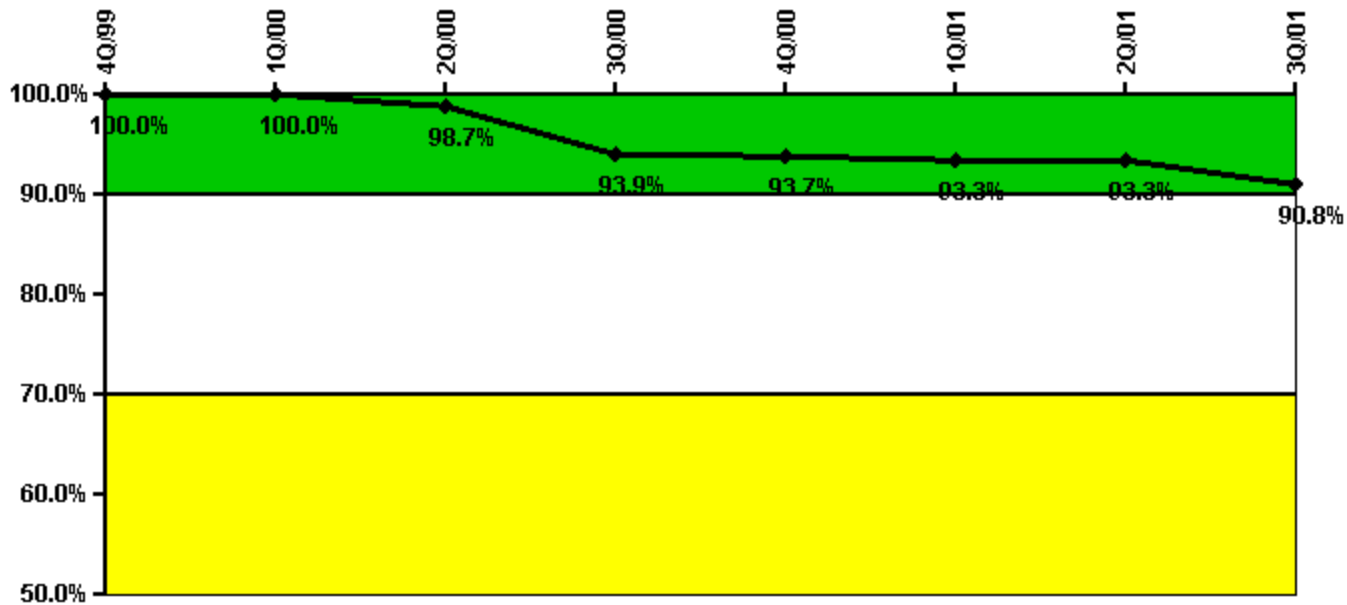
Notes

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	0.189	0.198	0.167	0.172	0.144	0.145	0.153	0.156	0.165	0.177	0.189	0.187
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	2.0	1.7	1.7	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.194	1.455	1.279	1.075	0.708	0.854	0.699	0.716	0.669	1.063	0.761	0.624
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	14.6	12.8	10.8	7.1	8.5	7.0	7.2	6.7	10.6	7.6	6.2

Licensee Comments: none

Drill/Exercise Performance



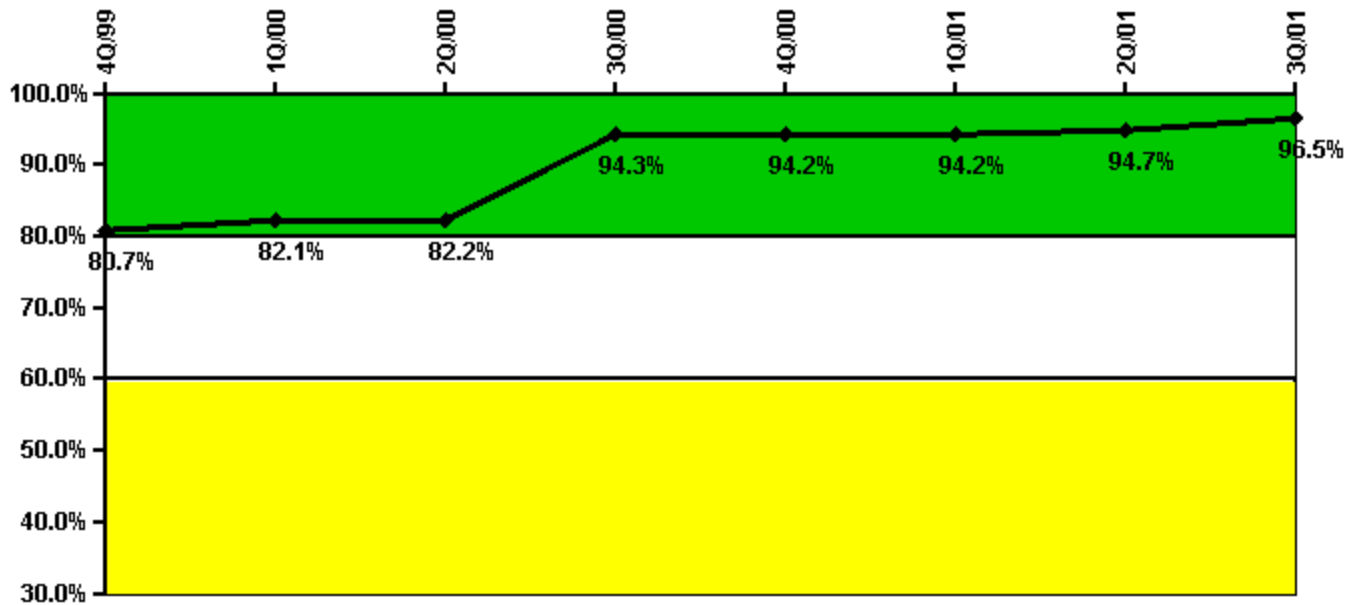
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	0	21.0	8.0	69.0	9.0	2.0	7.0	111.0
Total opportunities	0	21.0	9.0	77.0	9.0	2.0	7.0	125.0
Indicator value	100.0%	100.0%	98.7%	93.9%	93.7%	93.3%	93.3%	90.8%

Licensee Comments: none

ERO Drill Participation



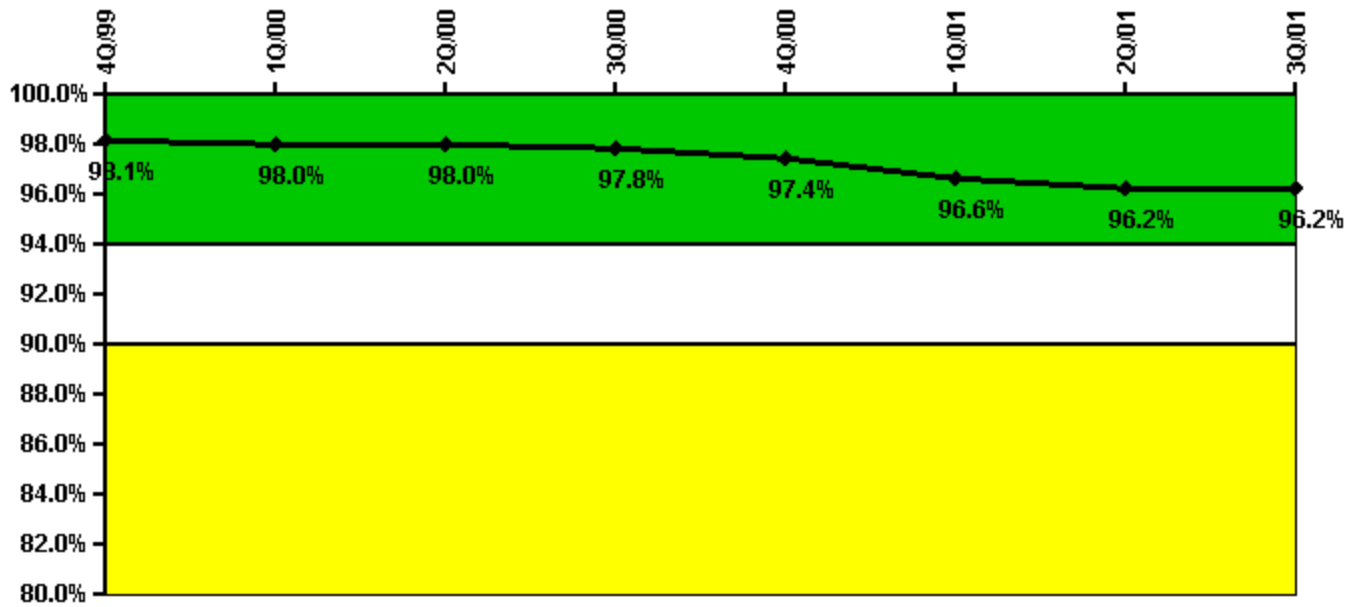
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	151.0	161.0	157.0	181.0	180.0	179.0	178.0	192.0
Total Key personnel	187.0	196.0	191.0	192.0	191.0	190.0	188.0	199.0
Indicator value	80.7%	82.1%	82.2%	94.3%	94.2%	94.2%	94.7%	96.5%

Licensee Comments: none

Alert & Notification System



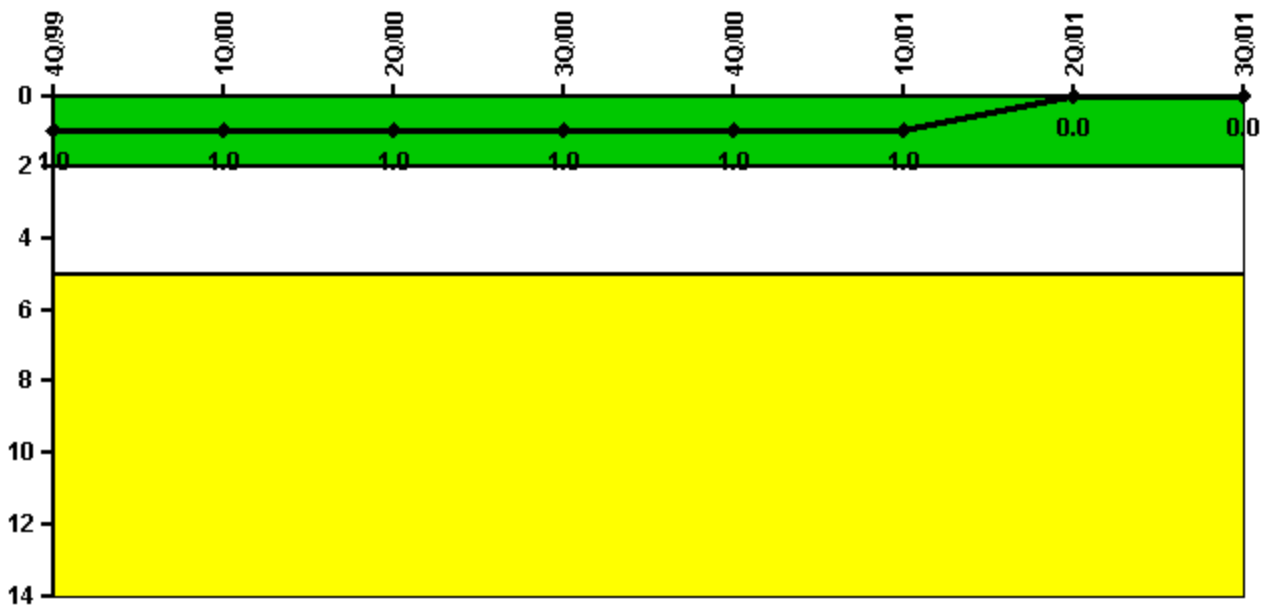
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	2226	2213	2234	2123	2195	2135	2293	2208
Total sirens-tests	2264	2276	2270	2188	2262	2276	2363	2275
Indicator value	98.1%	98.0%	98.0%	97.8%	97.4%	96.6%	96.2%	96.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



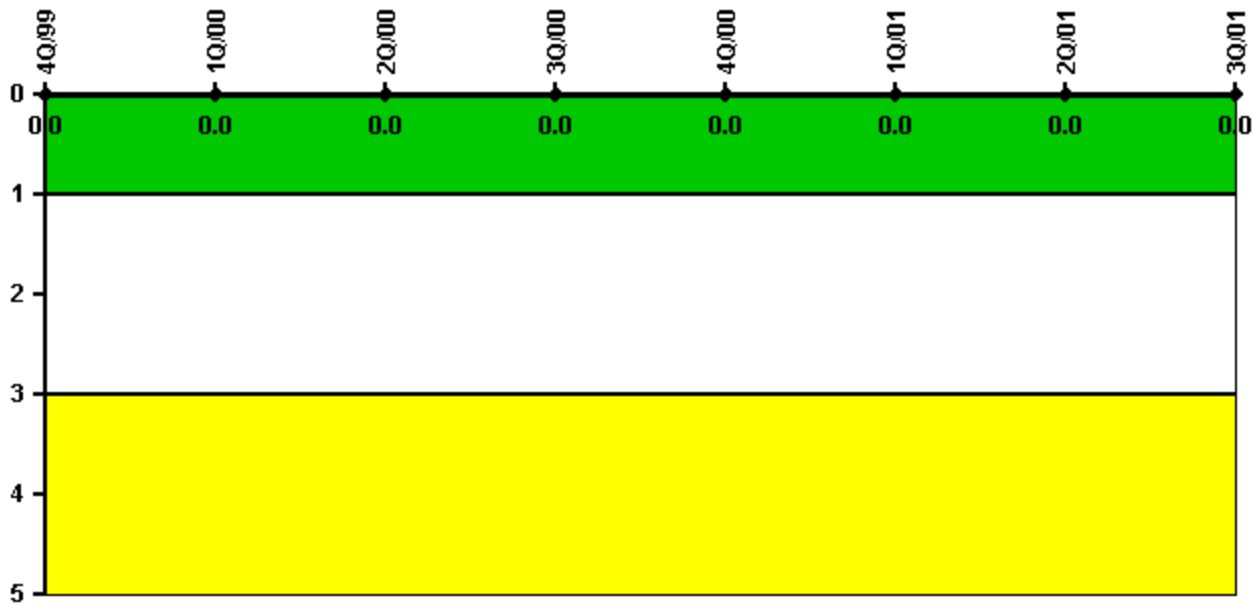
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



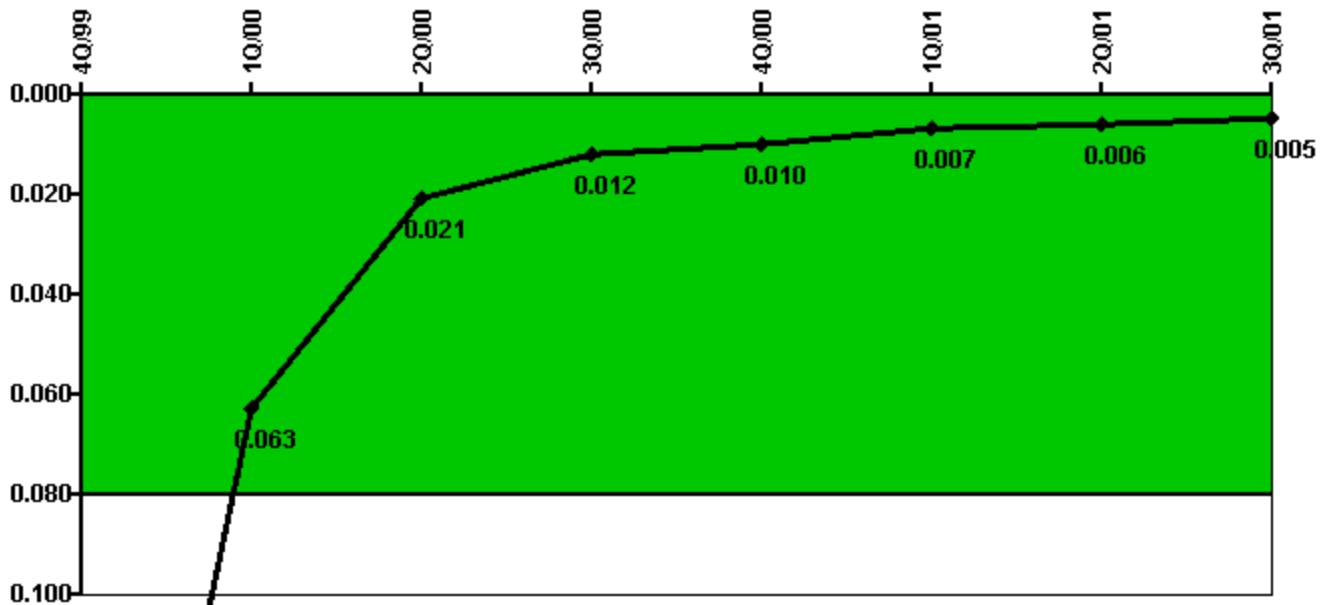
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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



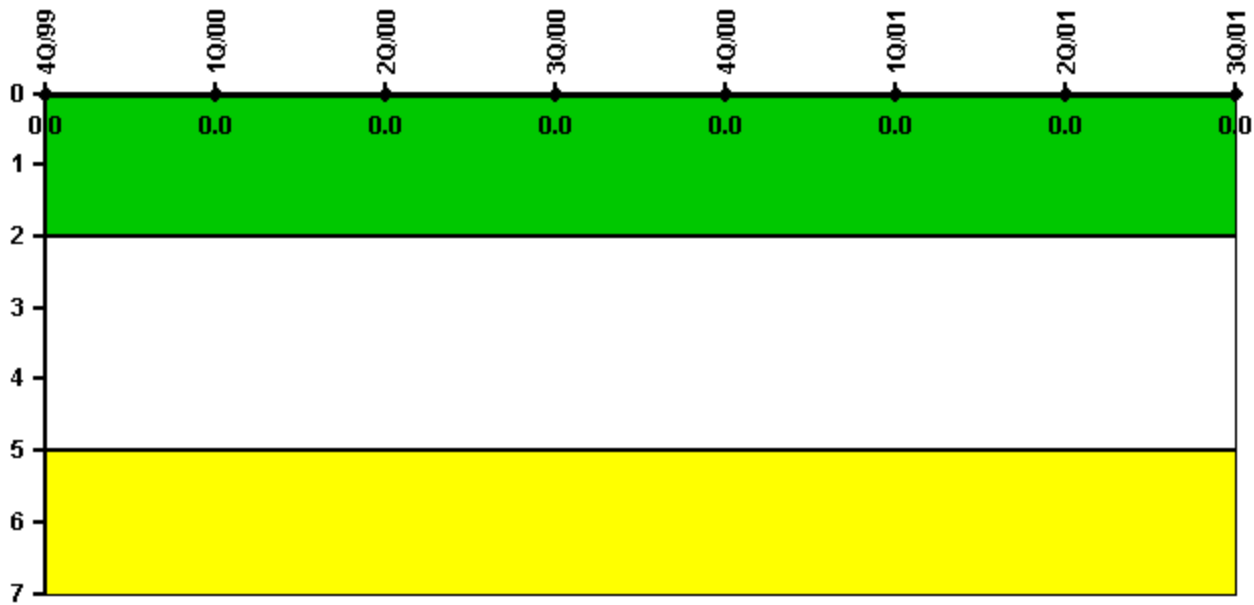
Thresholds: White > 0.080

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	88.80	37.50	63.90	30.30	0	9.20	58.10	12.10
CCTV compensatory hours	5.4	105.0	10.5	7.9	0.5	57.3	3.8	0
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.223	0.063	0.021	0.012	0.010	0.007	0.006	0.005

Licensee Comments: none

Personnel Screening Program



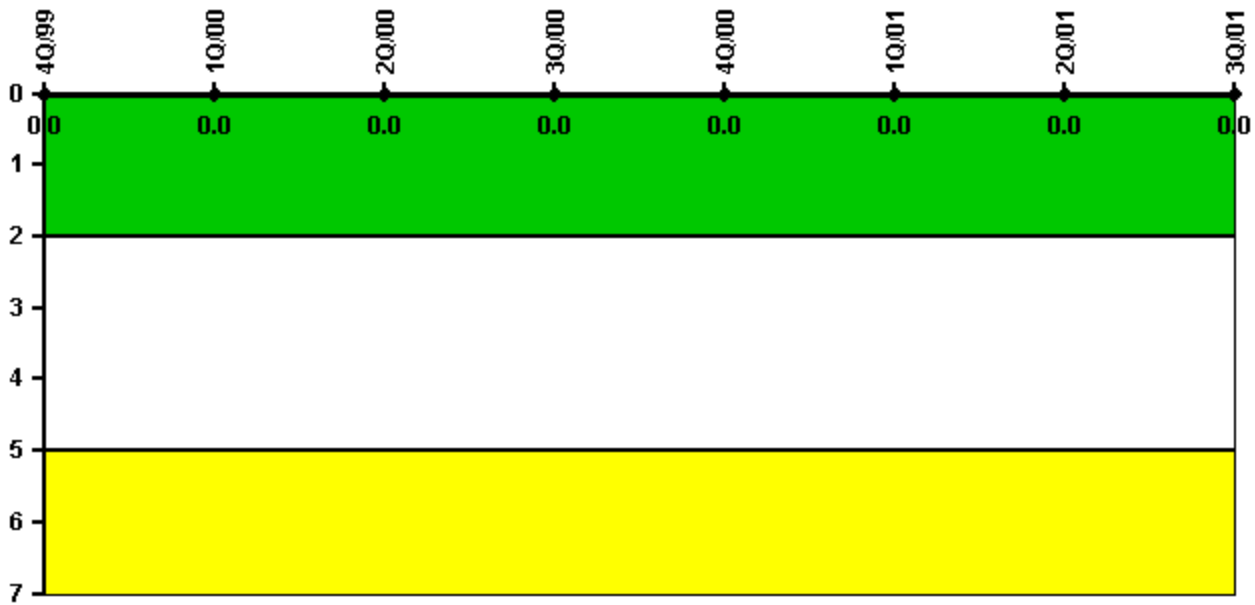
Thresholds: White > 2.0 Yellow > 5.0

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

Catawba 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	1.0	0	0	0	1.0	0	0	0
Critical hours	2163.0	2183.0	2208.0	1321.2	2128.9	2183.0	2208.0	2209.0
Indicator value	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



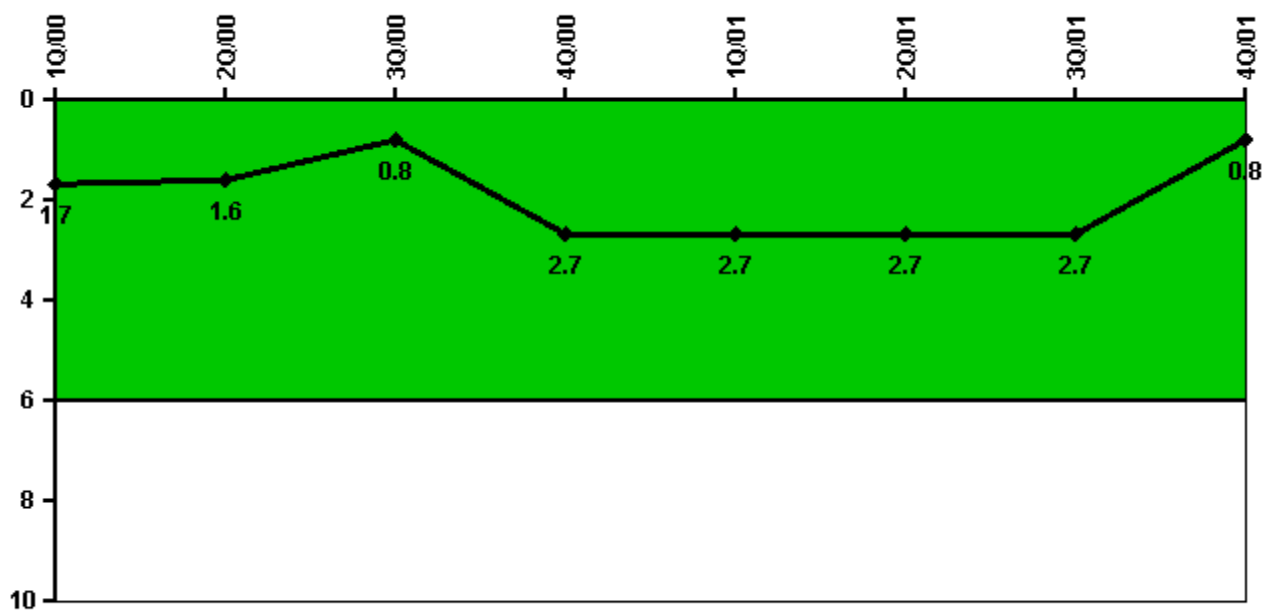
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



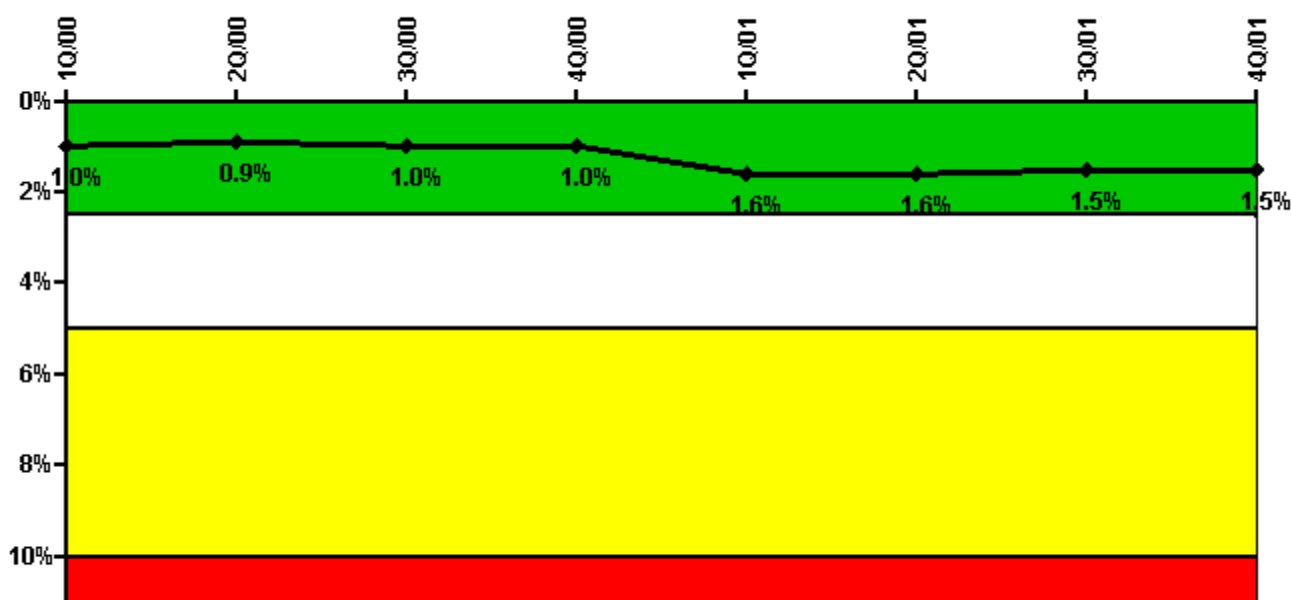
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	1.0	0	0	2.0	1.0	0	0	0
Critical hours	2163.0	2183.0	2208.0	1321.2	2128.9	2183.0	2208.0	2209.0
Indicator value	1.7	1.6	0.8	2.7	2.7	2.7	2.7	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



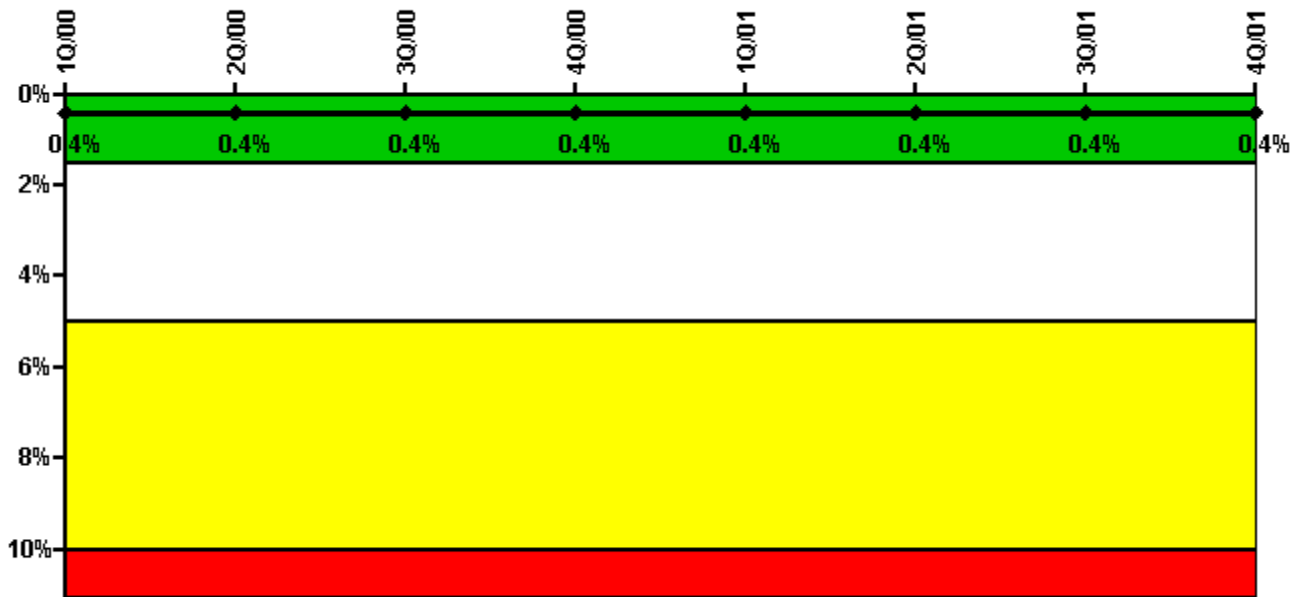
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	44.59	4.71	3.31	1.77	2.49	6.06	3.35	2.55
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	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00
Train 2								
Planned unavailable hours	2.04	3.53	3.34	2.03	1.72	4.95	2.48	1.92
Unplanned unavailable hours	0	0	30.83	0	16.62	0	6.12	0
Fault exposure hours	0	0	0	0	333.20	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00
Indicator value	1.0%	0.9%	1.0%	1.0%	1.6%	1.6%	1.5%	1.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



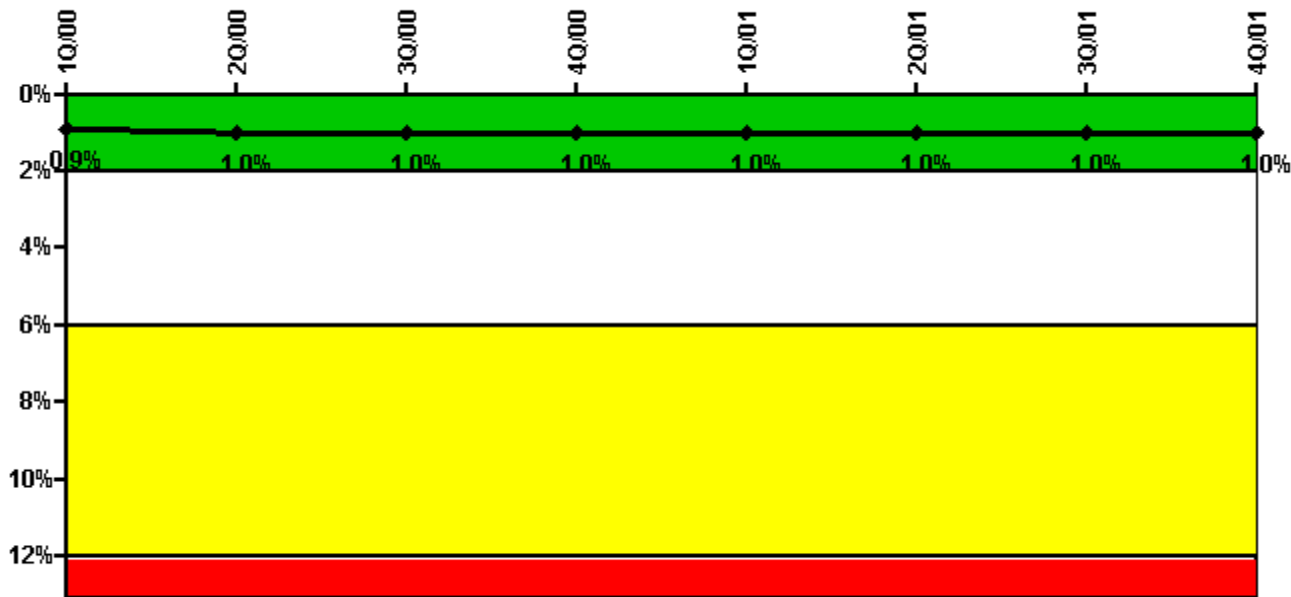
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	1.80	1.70	0	0	7.30	1.35	6.16	0
Unplanned unavailable hours	4.40	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	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00
Train 2								
Planned unavailable hours	15.60	4.10	2.10	0	2.50	5.60	25.05	1.68
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	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00
Train 3								
Planned unavailable hours	1.80	1.40	5.10	0	5.83	1.35	0.38	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	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00
Train 4								
Planned unavailable hours	0	1.80	12.30	9.00	0	0	0	10.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



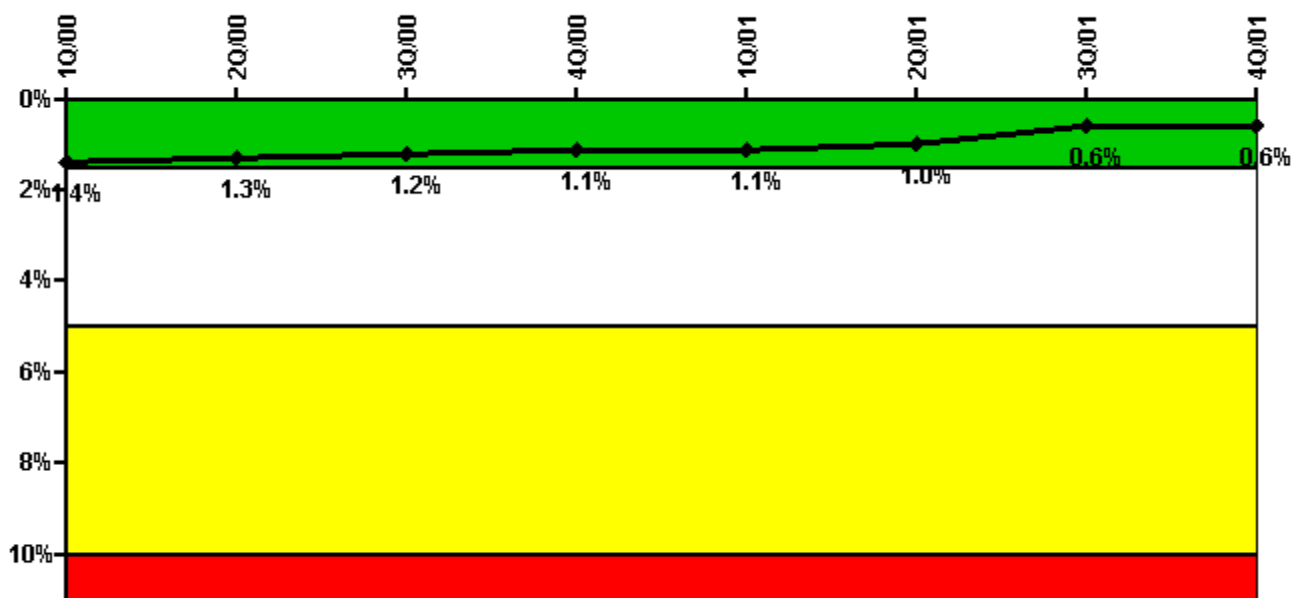
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	76.58	20.62	27.44	0	0	19.32	2.51	1.90
Unplanned unavailable hours	12.10	0	0	0	1.88	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	2184.00	2208.00	1366.70	2160.00	2184.00	2208.00	2209.00
Train 2								
Planned unavailable hours	50.33	50.11	20.25	0	9.31	10.33	1.97	5.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	1366.70	2160.00	2184.00	2208.00	2209.00
Train 3								
Planned unavailable hours	10.19	14.53	11.30	0	12.05	9.10	9.48	18.94
Unplanned unavailable hours	0	0	0	0	0	0	0	23.52
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	2184.00	2208.00	1366.70	2160.00	2184.00	2208.00	2209.00
Indicator value	0.9%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



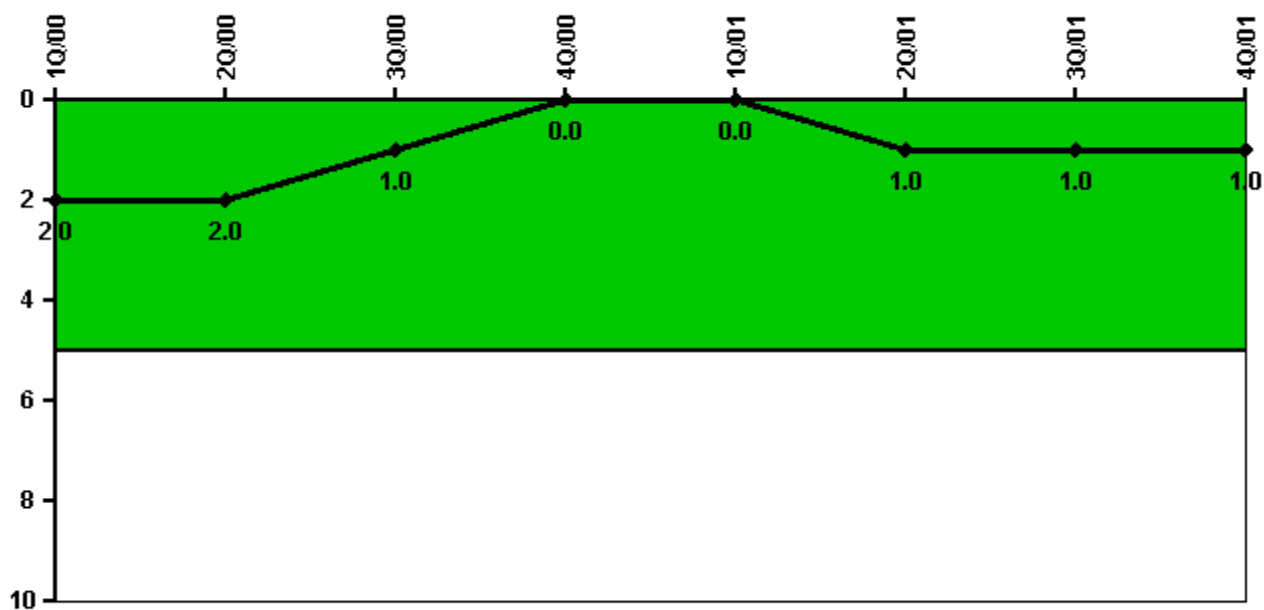
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	26.50	27.10	0	0	7.93	25.75	0.38	0
Unplanned unavailable hours	0	0	0	0	1.92	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	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.50	27.60	0	5.90	0.60	0	0.20	25.17
Unplanned unavailable hours	0	0	0	0	0	0	8.53	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	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00
Indicator value	1.4%	1.3%	1.2%	1.1%	1.1%	1.0%	0.6%	0.6%

Licensee Comments: none

Safety System Functional Failures (PWR)



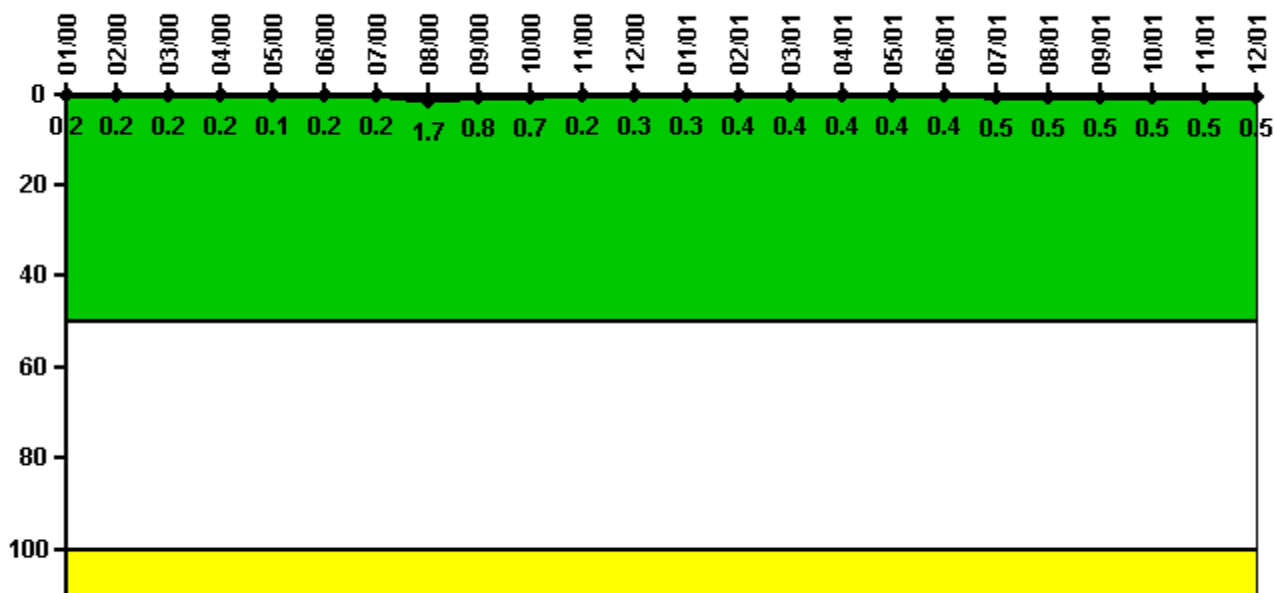
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

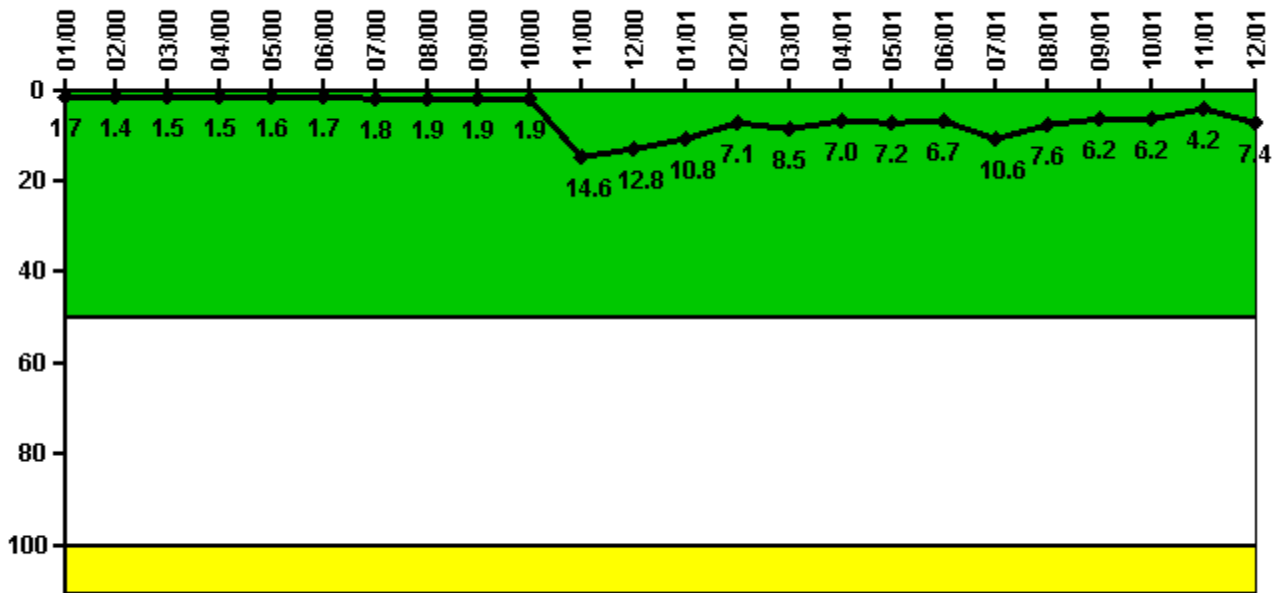
Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000110	0.000120	0.000120	0.000100	0.000095	0.000110	0.000114	0.001092	0.000533	0.000459	0.000157	0.000193
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.1	0.2	0.2	1.7	0.8	0.7	0.2	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	0.000200	0.000233	0.000265	0.000245	0.000257	0.000258	0.000300	0.000300	0.000300	0.000311	0.000318	0.000336
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

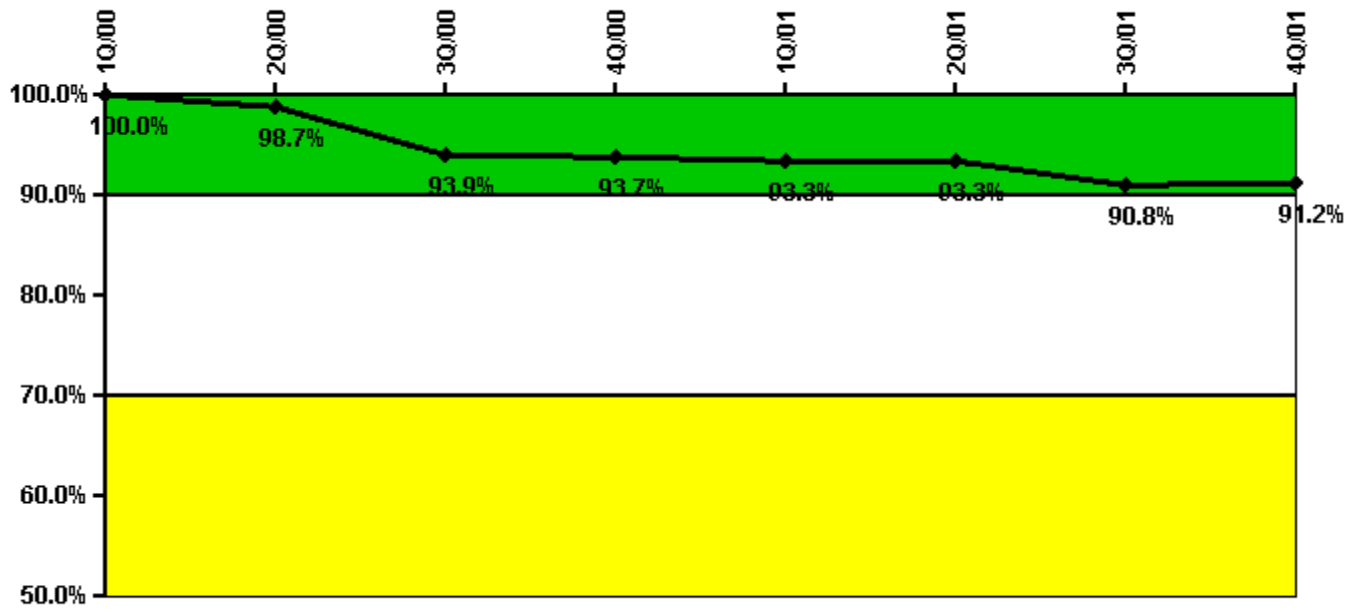
Notes

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	0.172	0.144	0.145	0.153	0.156	0.165	0.177	0.189	0.187	0.194	1.455	1.279
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.7	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9	1.9	14.6	12.8

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	1.075	0.708	0.854	0.699	0.716	0.669	1.063	0.761	0.624	0.616	0.417	0.742
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	10.8	7.1	8.5	7.0	7.2	6.7	10.6	7.6	6.2	6.2	4.2	7.4

Licensee Comments: none

Drill/Exercise Performance



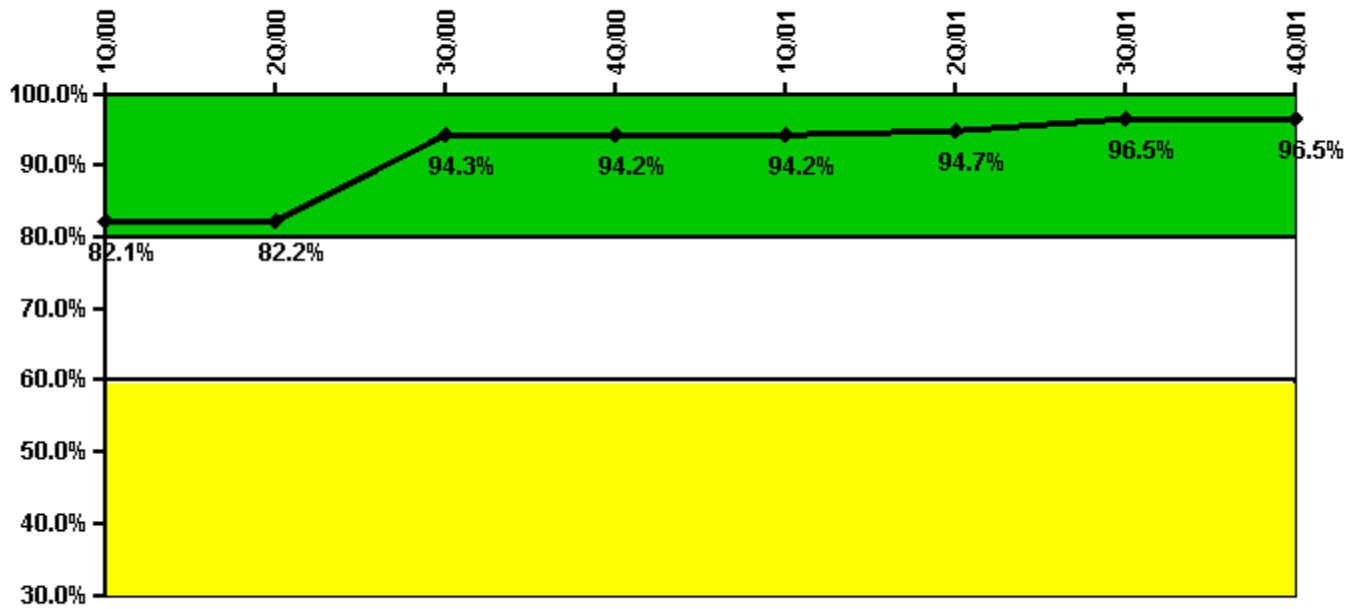
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	21.0	8.0	69.0	9.0	2.0	7.0	111.0	12.0
Total opportunities	21.0	9.0	77.0	9.0	2.0	7.0	125.0	12.0
Indicator value	100.0%	98.7%	93.9%	93.7%	93.3%	93.3%	90.8%	91.2%

Licensee Comments: none

ERO Drill Participation



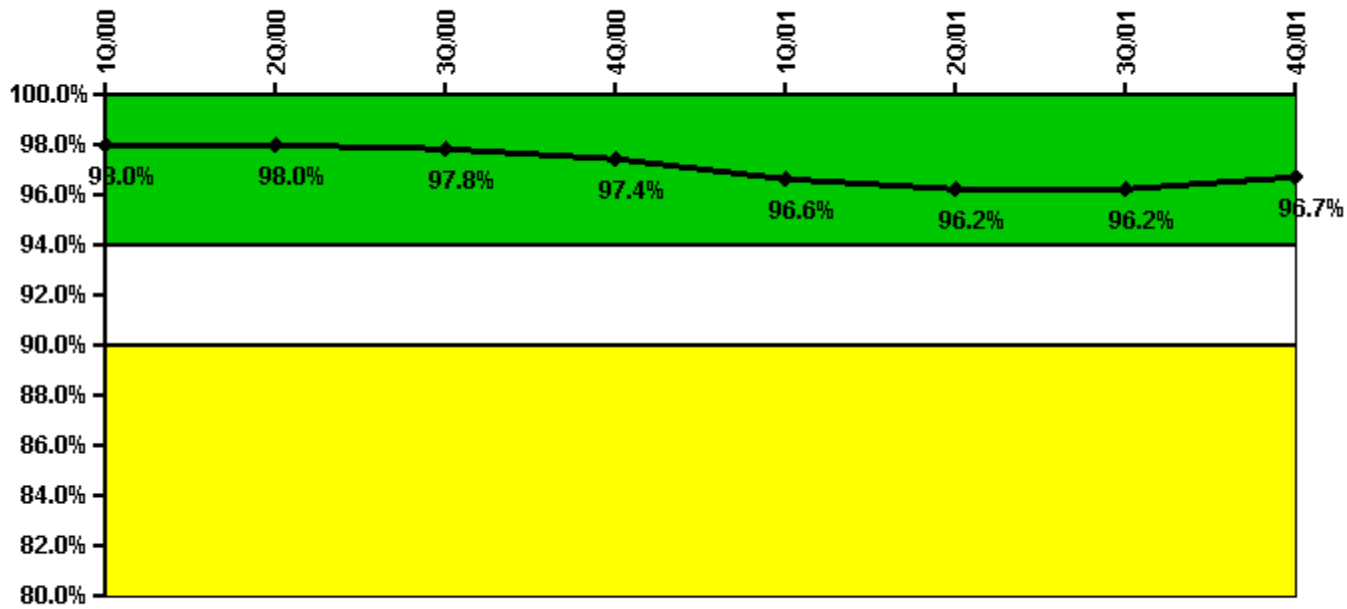
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	161.0	157.0	181.0	180.0	179.0	178.0	192.0	191.0
Total Key personnel	196.0	191.0	192.0	191.0	190.0	188.0	199.0	198.0
Indicator value	82.1%	82.2%	94.3%	94.2%	94.2%	94.7%	96.5%	96.5%

Licensee Comments: none

Alert & Notification System



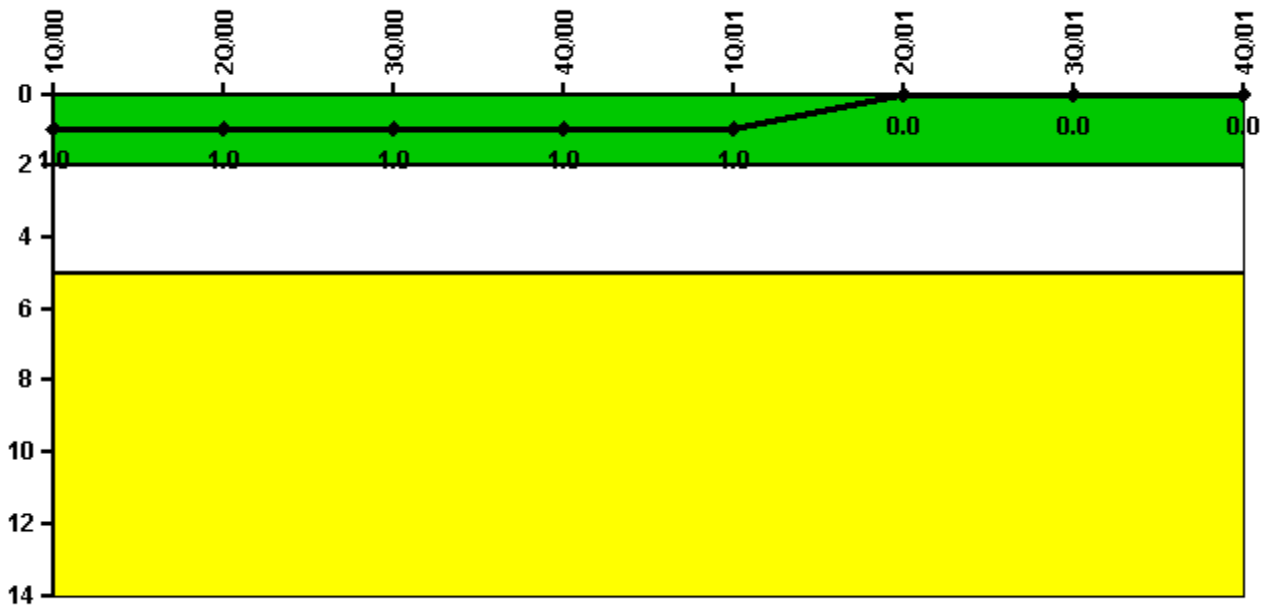
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	2213	2234	2123	2195	2135	2293	2208	2162
Total sirens-tests	2276	2270	2188	2262	2276	2363	2275	2186
Indicator value	98.0%	98.0%	97.8%	97.4%	96.6%	96.2%	96.2%	96.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



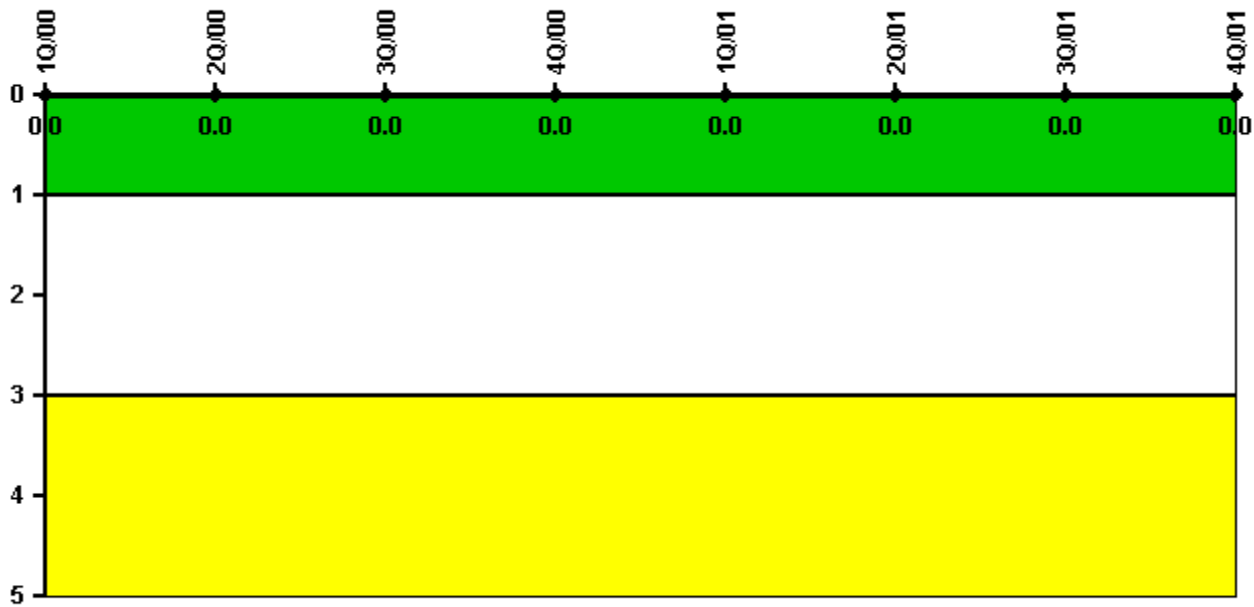
Thresholds: White > 2.0 Yellow > 5.0

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	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	1	1	1	1	1	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



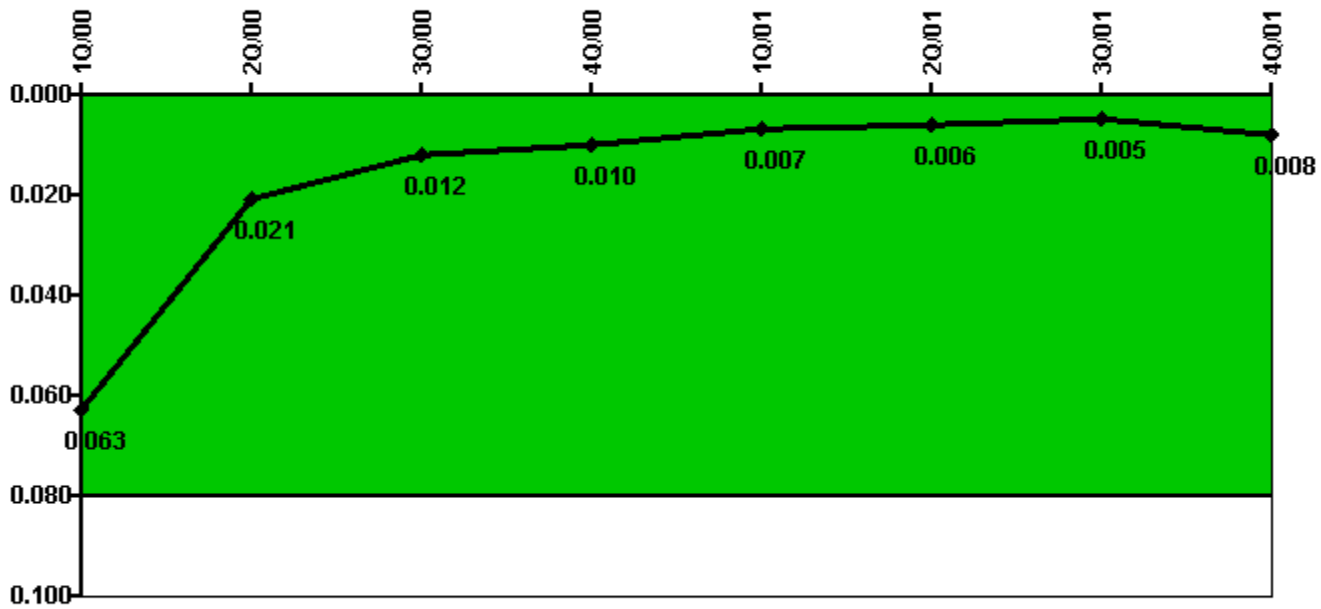
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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



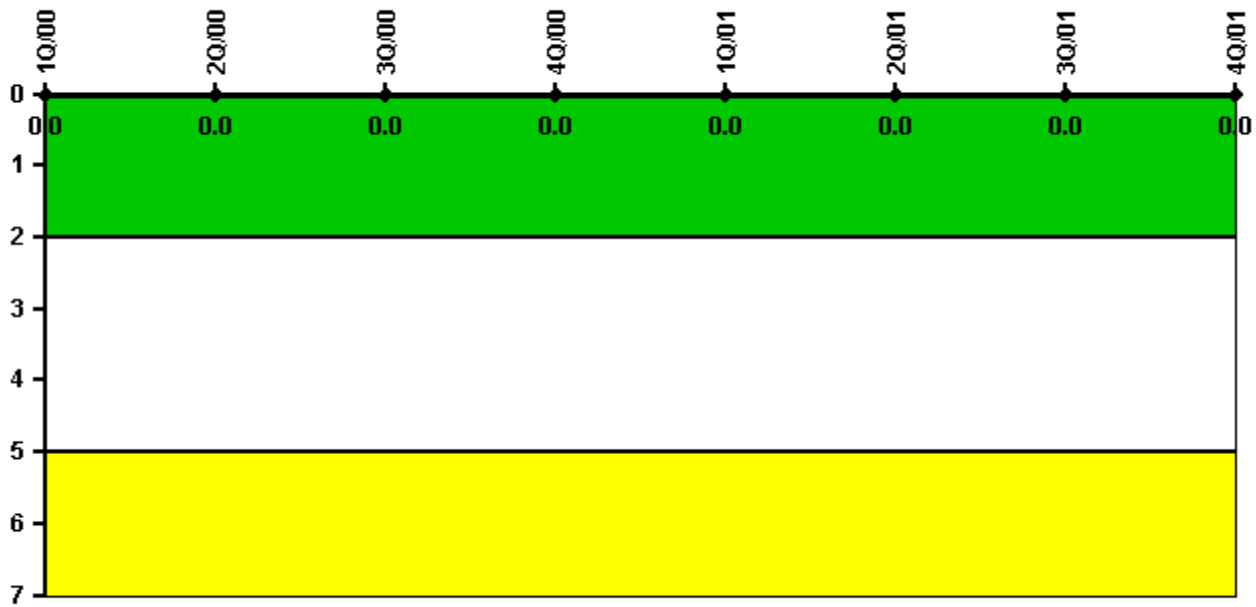
Thresholds: White > 0.080

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	37.50	63.90	30.30	0	9.20	58.10	12.10	93.50
CCTV compensatory hours	105.0	10.5	7.9	0.5	57.3	3.8	0	2.5
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.063	0.021	0.012	0.010	0.007	0.006	0.005	0.008

Licensee Comments: none

Personnel Screening Program



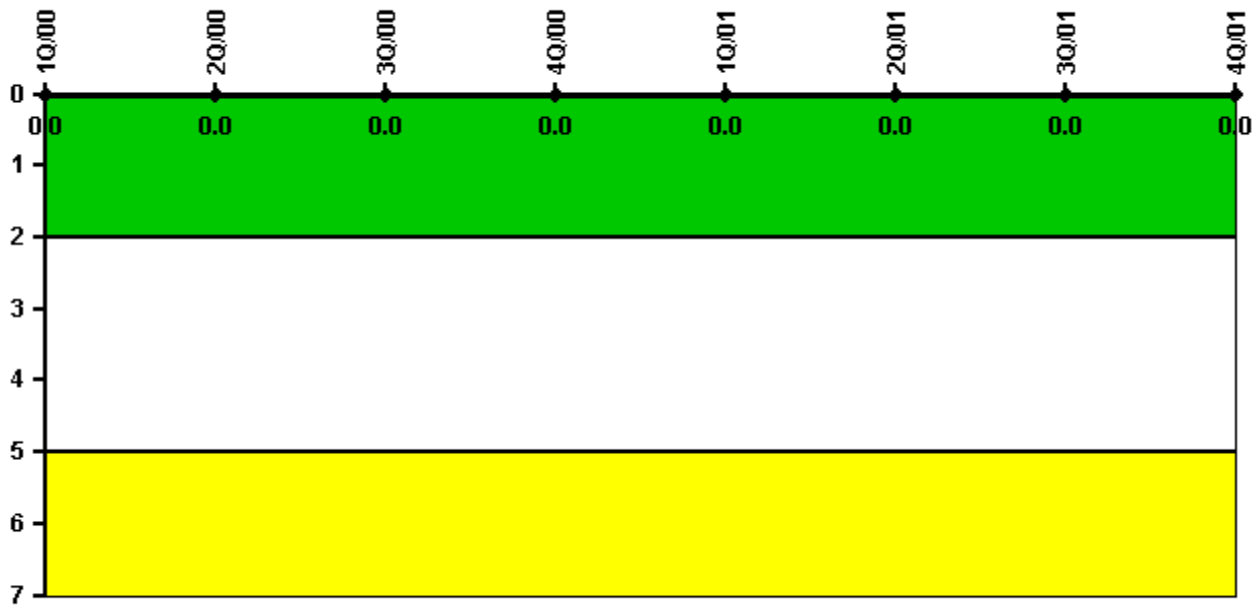
Thresholds: White > 2.0 Yellow > 5.0

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](#)

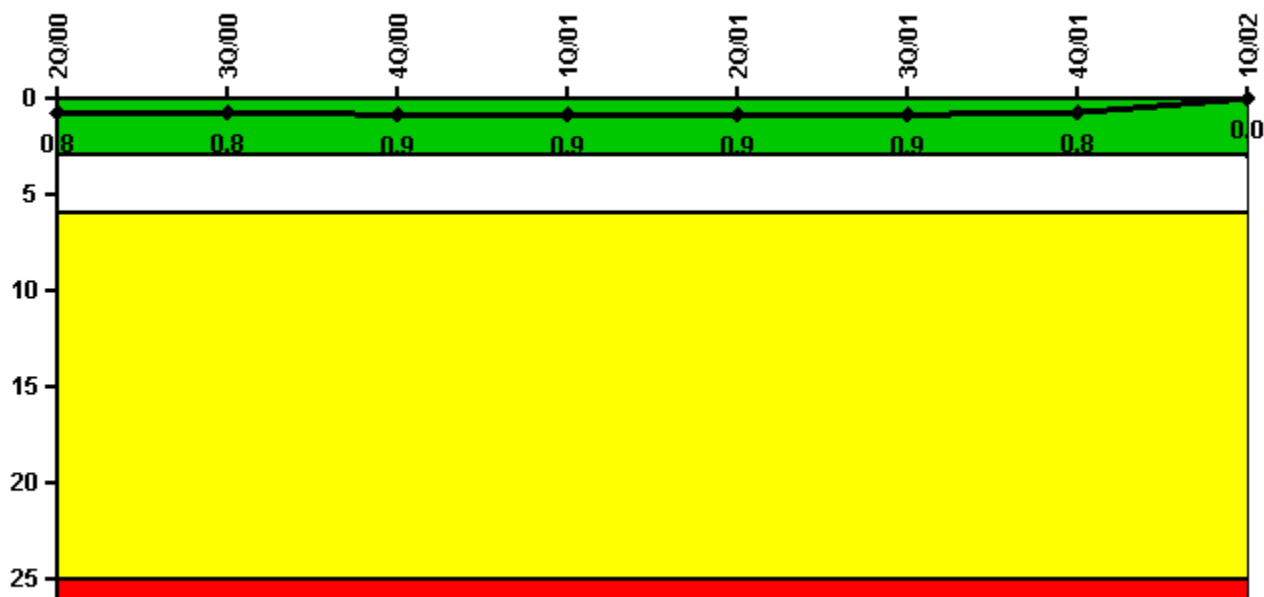
Last Modified: March 15, 2002

Catawba 1

1Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2183.0	2208.0	1321.2	2128.9	2183.0	2208.0	2209.0	2160.0
Indicator value	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

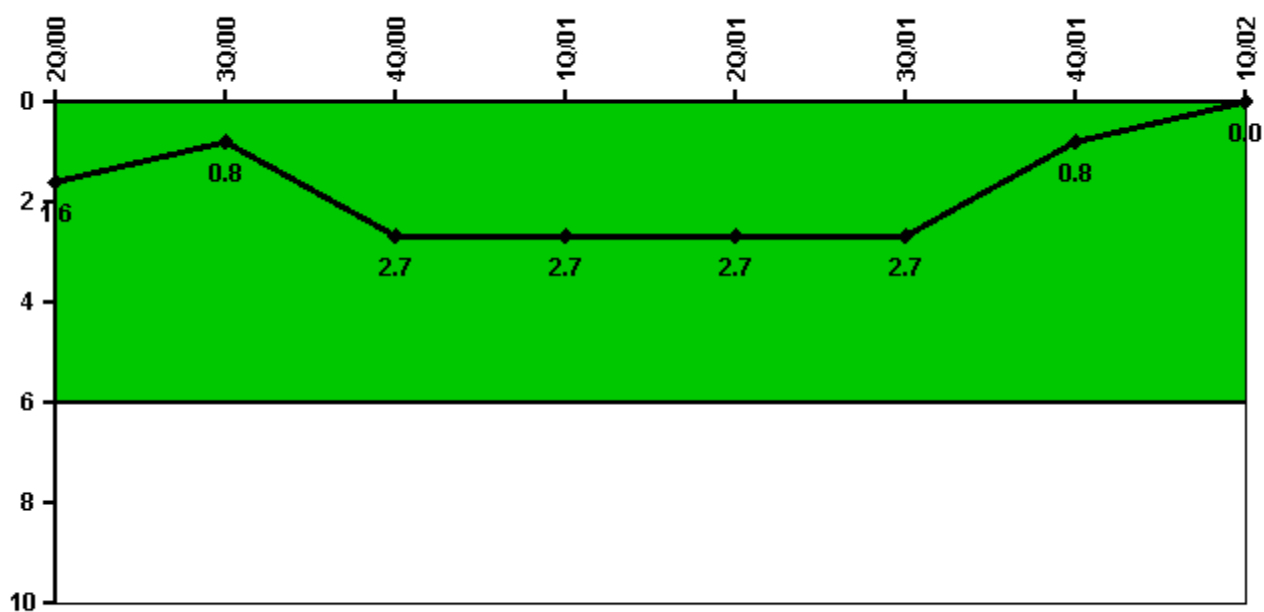
Notes

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

Licensee Comments:

1Q/02:

Unplanned Power Changes per 7000 Critical Hrs



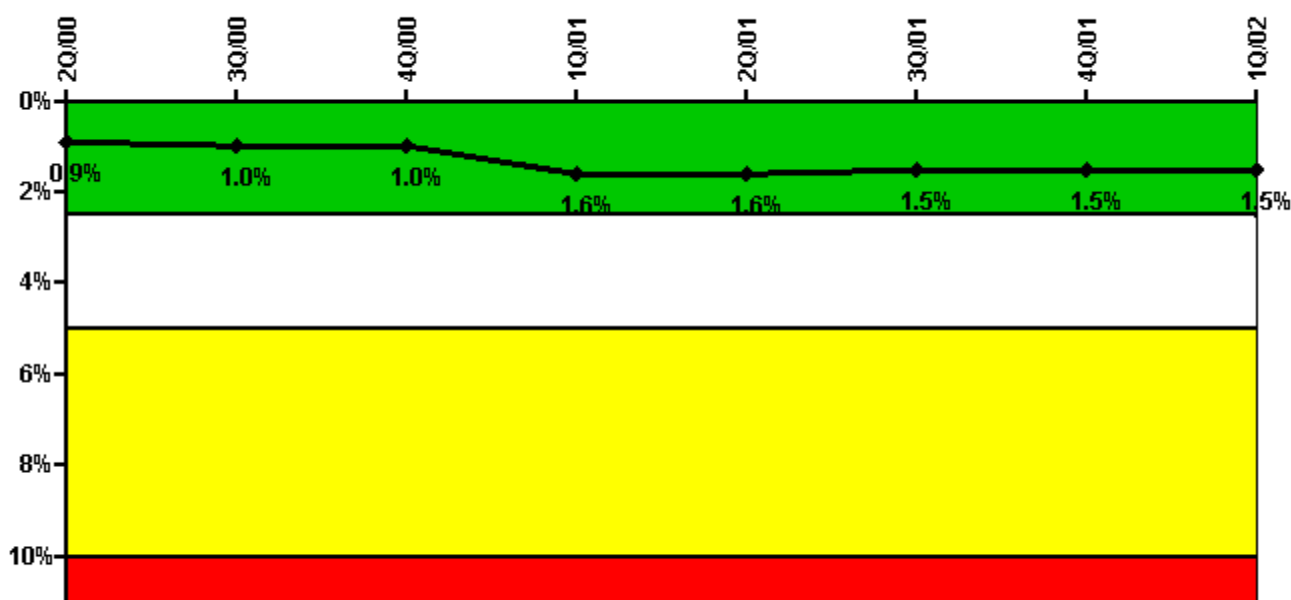
Thresholds: White > 6.0

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	2.0	1.0	0	0	0	0
Critical hours	2183.0	2208.0	1321.2	2128.9	2183.0	2208.0	2209.0	2160.0
Indicator value	1.6	0.8	2.7	2.7	2.7	2.7	0.8	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



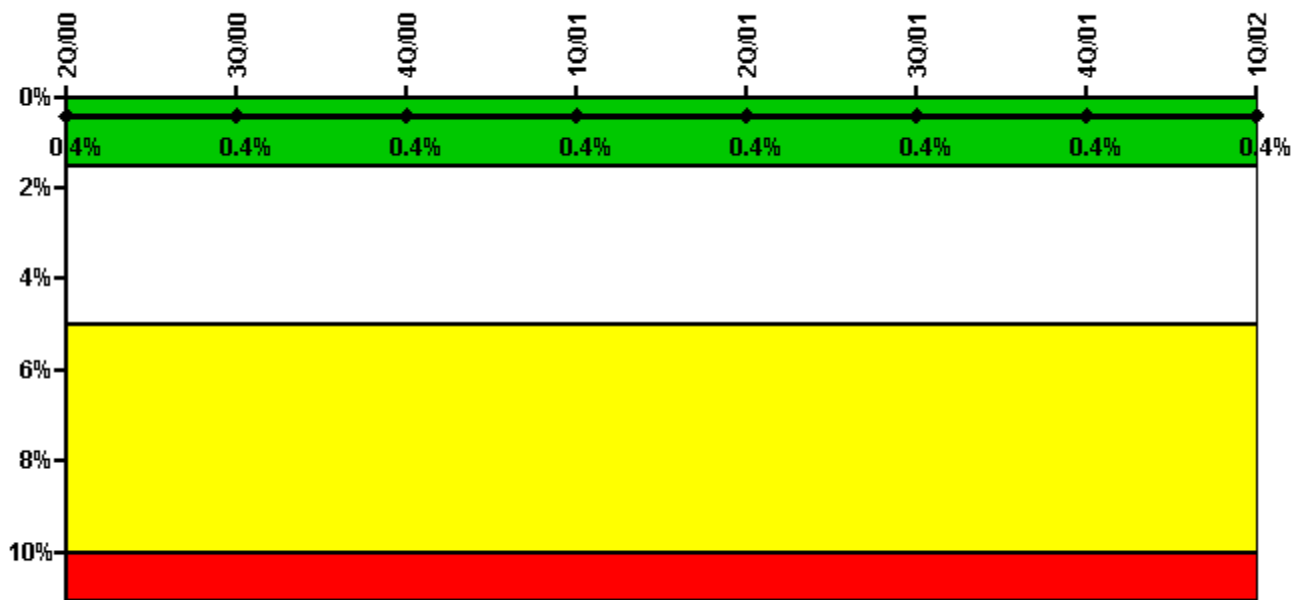
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	4.71	3.31	1.77	2.49	6.06	3.35	2.55	46.85
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	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	3.53	3.34	2.03	1.72	4.95	2.48	1.92	0
Unplanned unavailable hours	0	30.83	0	16.62	0	6.12	0	0
Fault exposure hours	0	0	0	333.20	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00
Indicator value	0.9%	1.0%	1.0%	1.6%	1.6%	1.5%	1.5%	1.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	3.50	0.40	0	7.30	1.65	7.16	1.20	3.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	6.60	3.10	0.30	4.00	6.70	25.55	2.38	5.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	1.40	5.10	0	5.83	1.35	0.38	0	2.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	1.80	12.30	9.00	0	0	0	10.08	3.50
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	2184.00	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments:

4Q/01: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

3Q/01: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

2Q/01: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

1Q/01: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

4Q/00: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

3Q/00: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

2Q/00: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

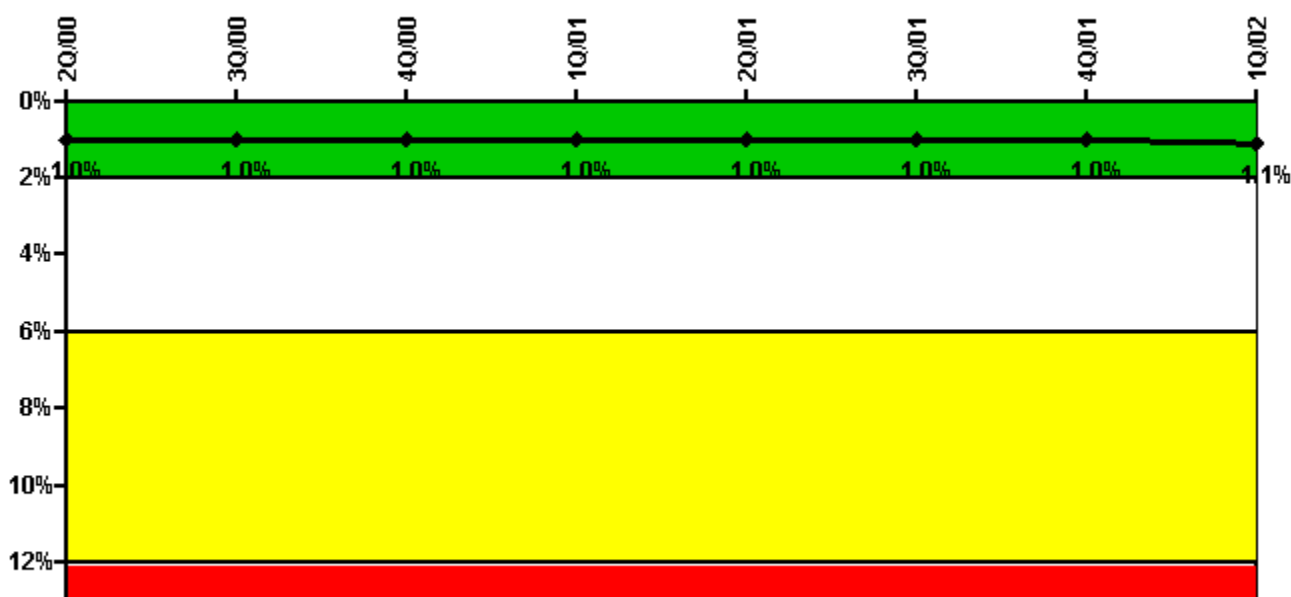
1Q/00: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

4Q/99: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

3Q/99: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

1Q/99: Unavailable hours revised to conform to NEI 99-02 guidance. Proper procedural guidance was not in place during IWP testing to maintain pump availability.

Safety System Unavailability, Heat Removal System (AFW)



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

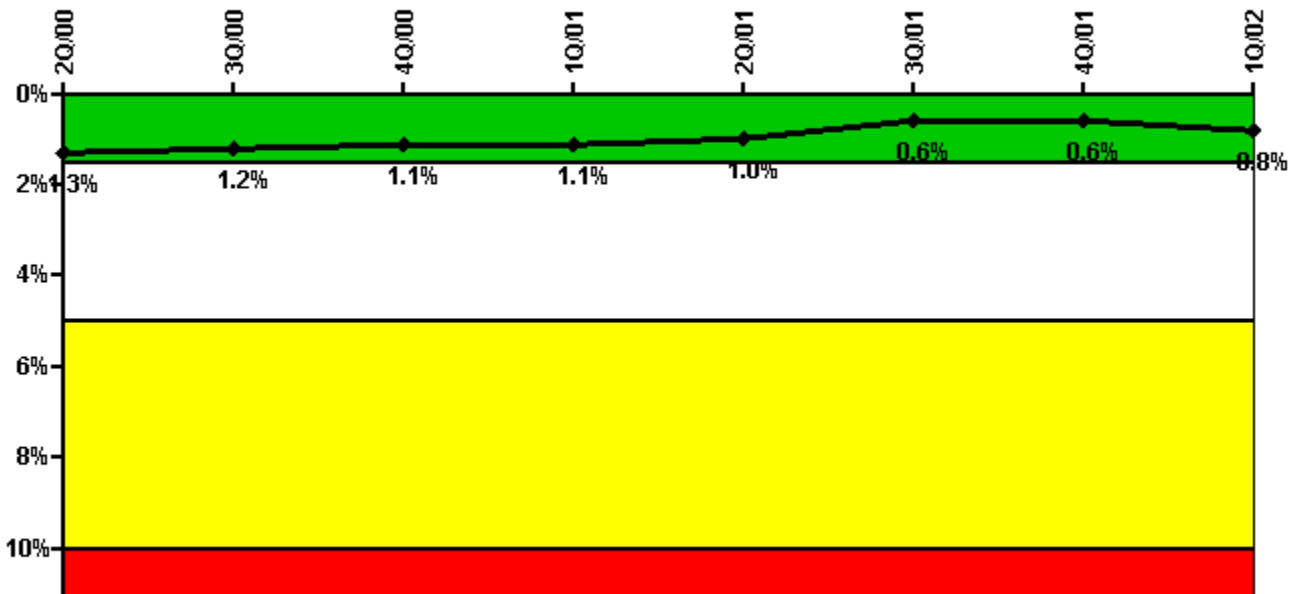
Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02

Train 1								
Planned unavailable hours	20.62	27.44	0	0	19.32	2.51	1.90	30.90
Unplanned unavailable hours	0	0	0	1.88	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	50.11	20.25	0	9.31	10.33	1.97	5.20	38.22
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	2208.00	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	14.53	11.30	0	12.05	9.10	9.48	18.94	21.32
Unplanned unavailable hours	0	0	0	0	0	0	23.52	0
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	2208.00	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00
Indicator value	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.1%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

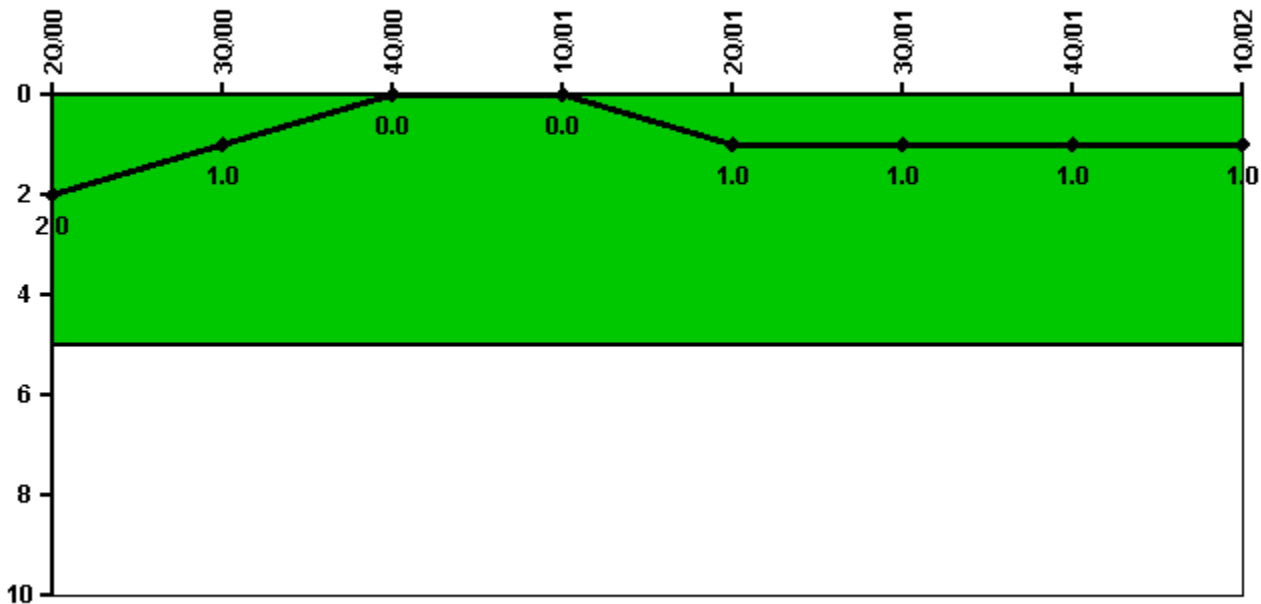
Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	27.10	0	0	7.93	25.75	0.38	0	94.20
Unplanned unavailable hours	0	0	0	1.92	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	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	27.60	0	5.90	0.60	0	0.20	25.17	80.20
Unplanned unavailable hours	0	0	0	0	0	8.53	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	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00
Indicator value	1.3%	1.2%	1.1%	1.1%	1.0%	0.6%	0.6%	0.8%

Licensee Comments: none

Safety System Functional Failures (PWR)



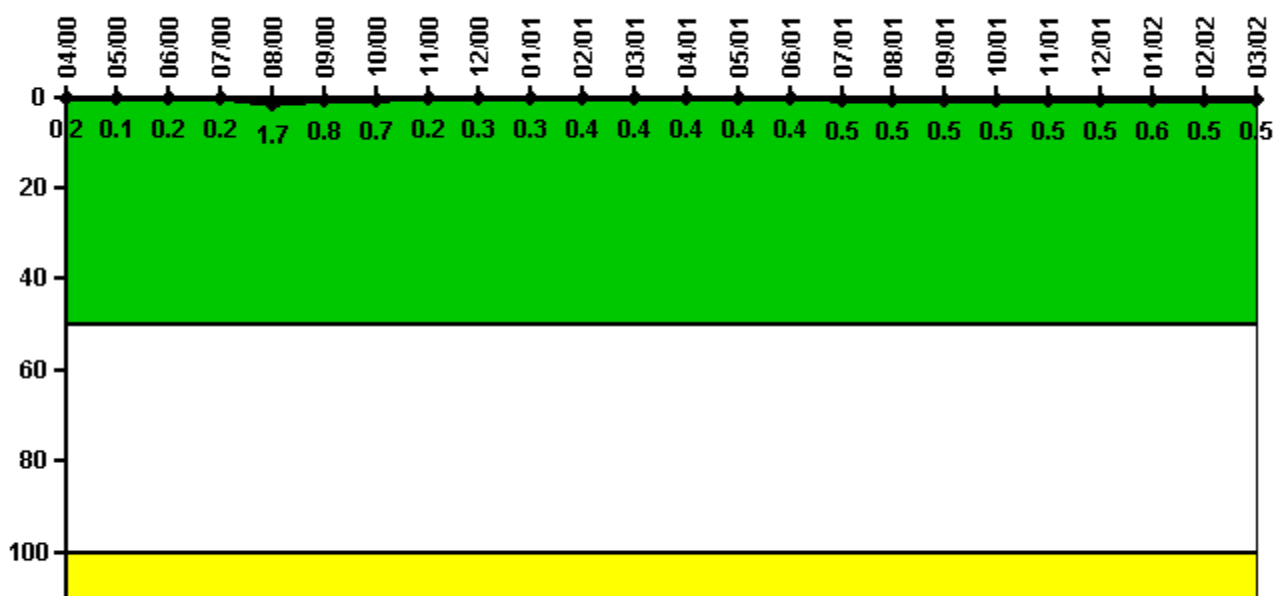
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

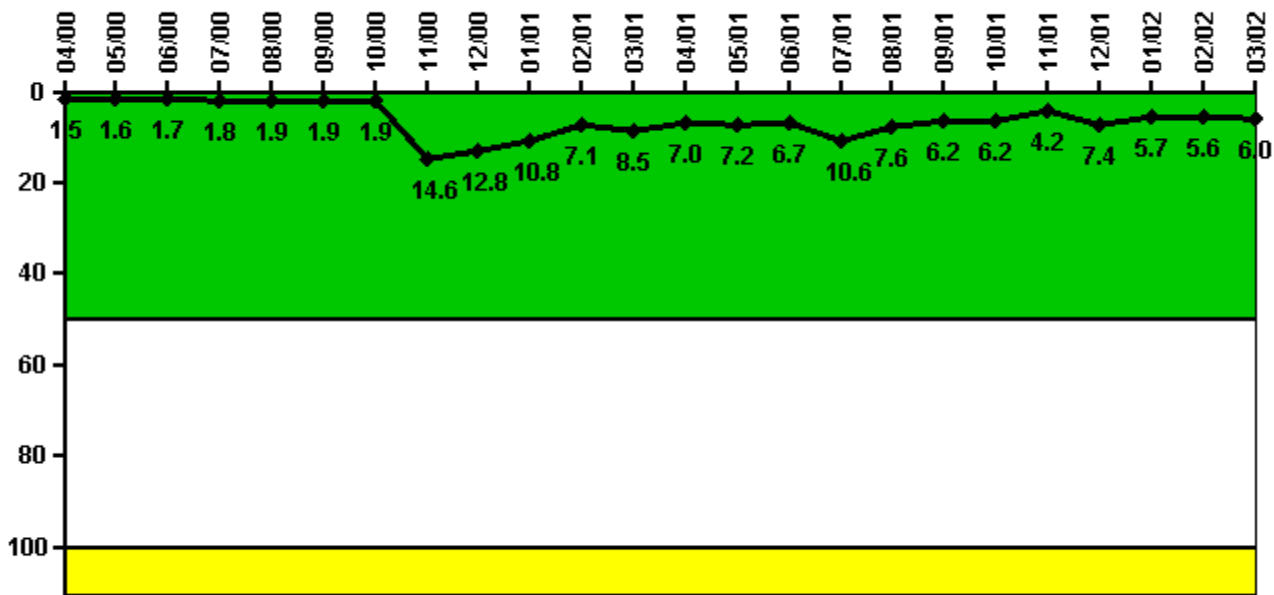
Notes

Reactor Coolant System Activity	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	0.000100	0.000095	0.000110	0.000114	0.001092	0.000533	0.000459	0.000157	0.000193	0.000200	0.000233	0.000265
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.1	0.2	0.2	1.7	0.8	0.7	0.2	0.3	0.3	0.4	0.4

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	0.000245	0.000257	0.000258	0.000300	0.000300	0.000300	0.000311	0.000318	0.000336	0.000389	0.000337	0.000335
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5

Licensee Comments: none

Reactor Coolant System Leakage



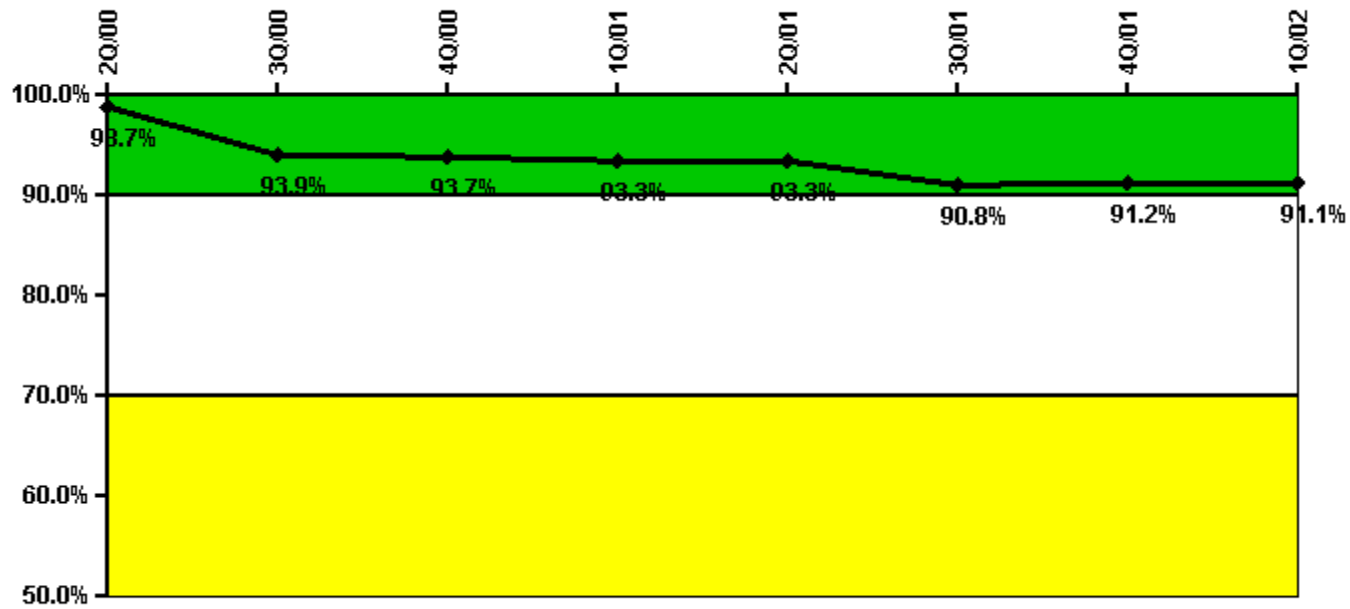
Thresholds: White > 50.0 Yellow > 100.0

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	0.153	0.156	0.165	0.177	0.189	0.187	0.194	1.455	1.279	1.075	0.708	0.854
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.5	1.6	1.7	1.8	1.9	1.9	1.9	14.6	12.8	10.8	7.1	8.5

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.699	0.716	0.669	1.063	0.761	0.624	0.616	0.417	0.742	0.569	0.563	0.598
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	7.0	7.2	6.7	10.6	7.6	6.2	6.2	4.2	7.4	5.7	5.6	6.0

Licensee Comments: none

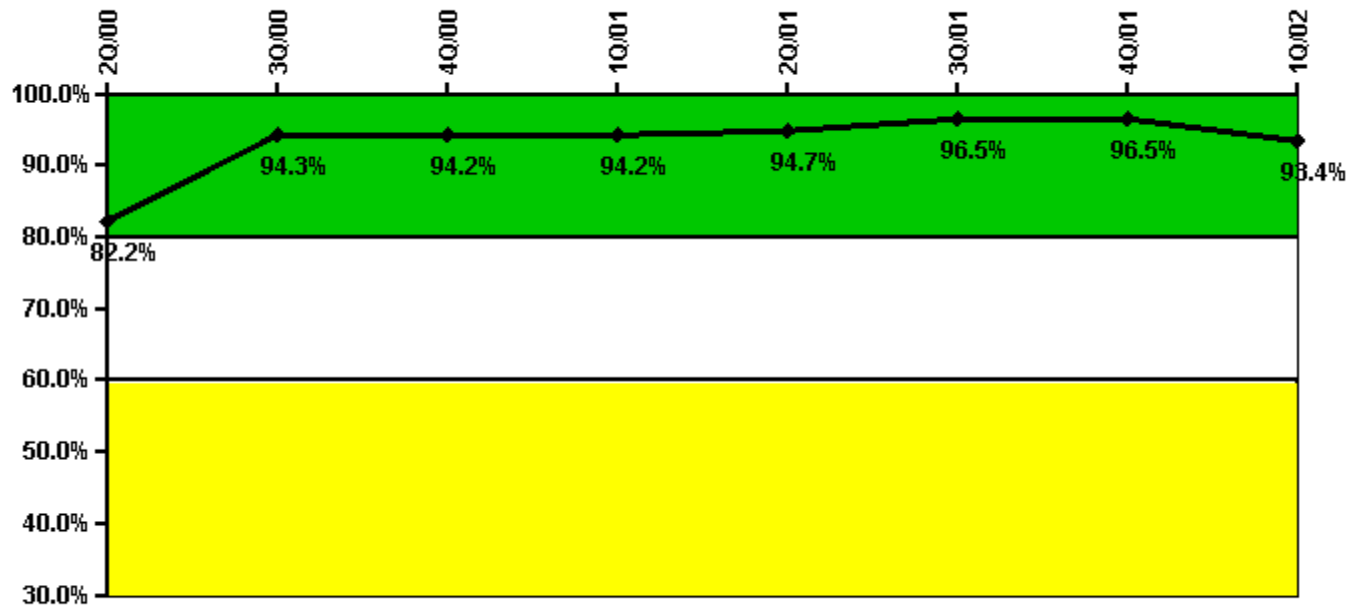
Drill/Exercise Performance

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	8.0	69.0	9.0	2.0	7.0	111.0	12.0	16.0
Total opportunities	9.0	77.0	9.0	2.0	7.0	125.0	12.0	16.0
Indicator value	98.7%	93.9%	93.7%	93.3%	93.3%	90.8%	91.2%	91.1%

Licensee Comments: none

ERO Drill Participation

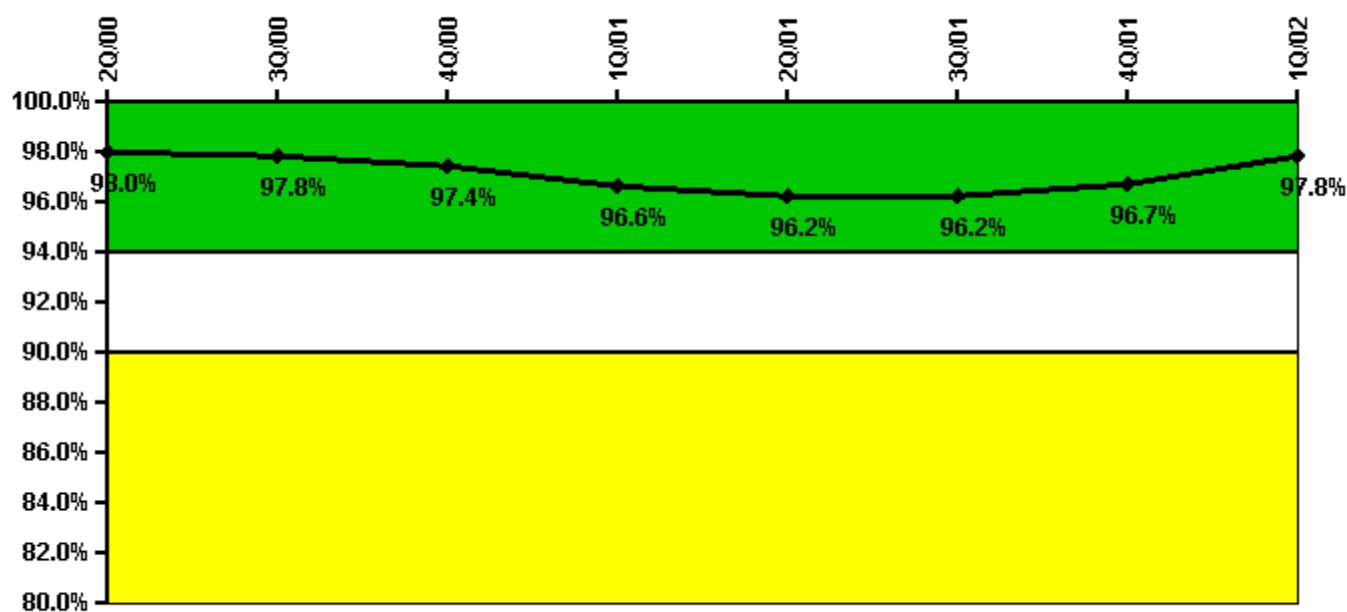
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	157.0	181.0	180.0	179.0	178.0	192.0	191.0	184.0
Total Key personnel	191.0	192.0	191.0	190.0	188.0	199.0	198.0	197.0
Indicator value	82.2%	94.3%	94.2%	94.2%	94.7%	96.5%	96.5%	93.4%

Licensee Comments: none

Alert & Notification System



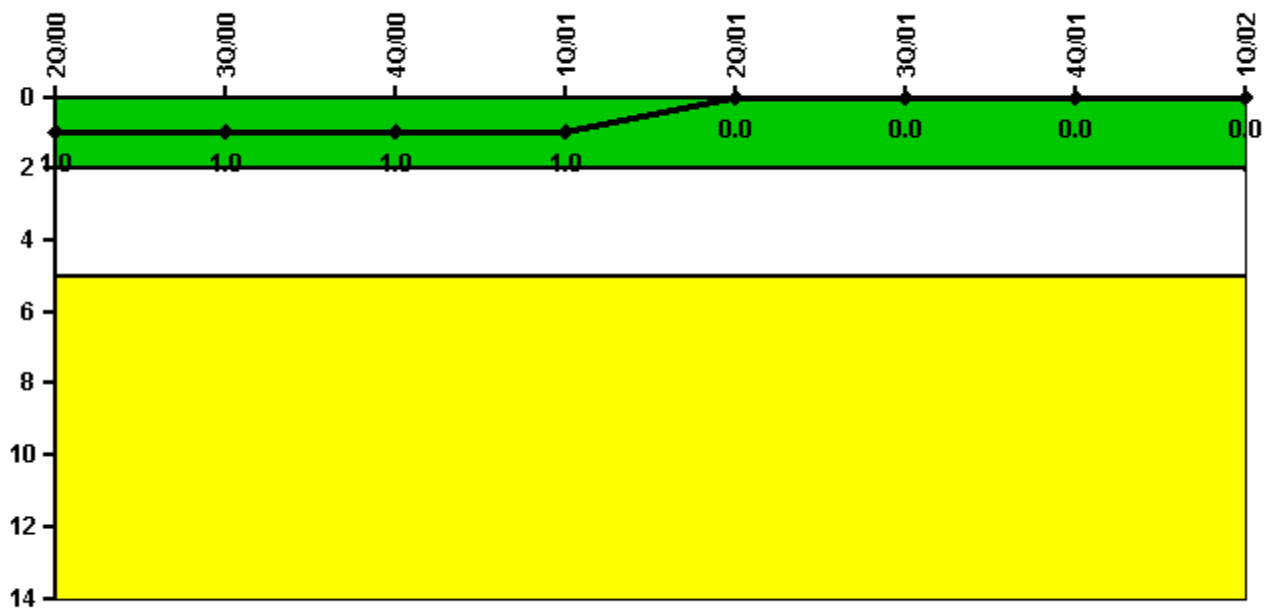
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	2234	2123	2195	2135	2293	2208	2162	2337
Total sirens-tests	2270	2188	2262	2276	2363	2275	2186	2375
Indicator value	98.0%	97.8%	97.4%	96.6%	96.2%	96.2%	96.7%	97.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

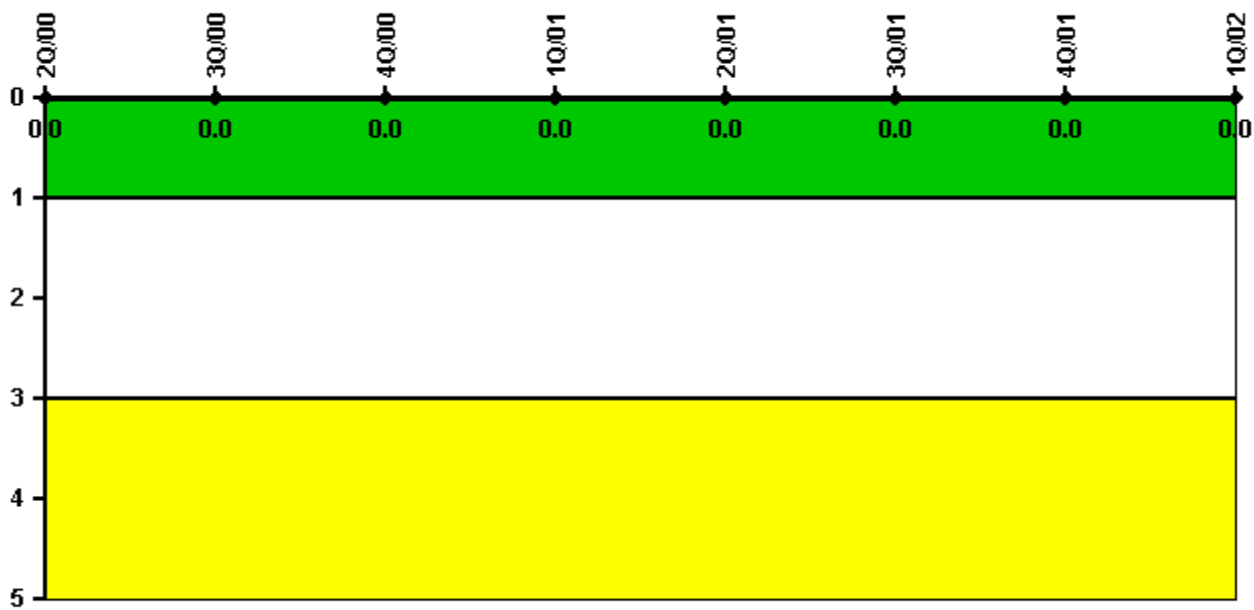


Thresholds: White > 2.0 Yellow > 5.0

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	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

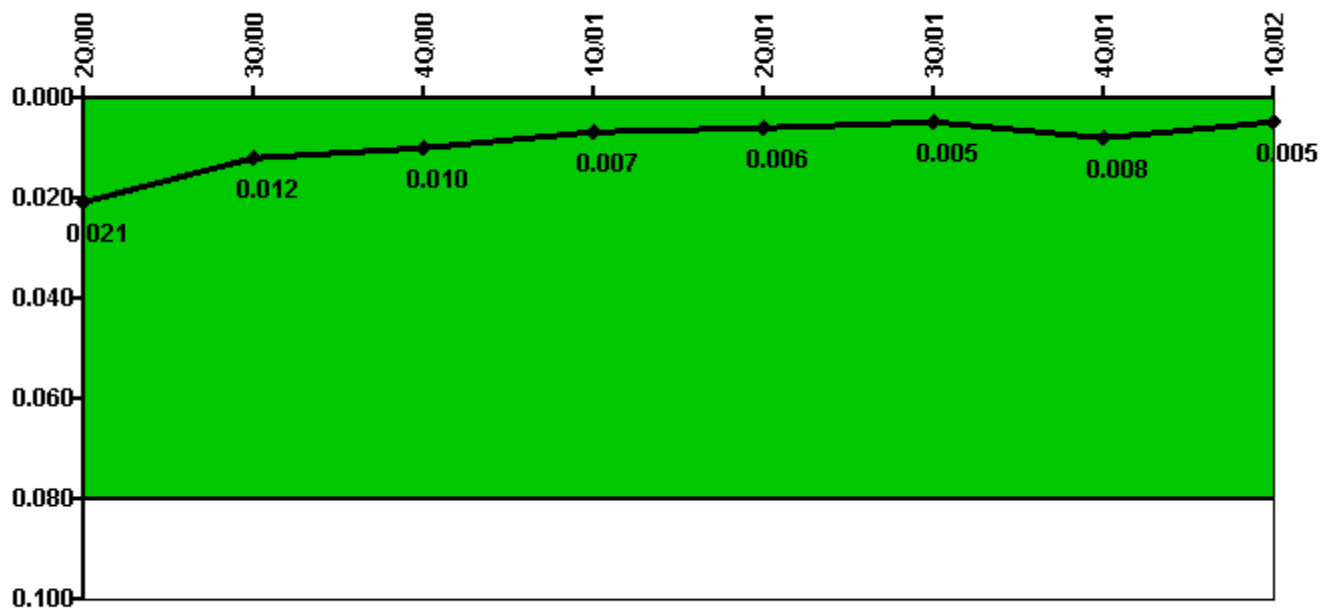
Notes

RETS/ODCM Radiological Effluent	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:

1Q/02:

Protected Area Security Performance Index



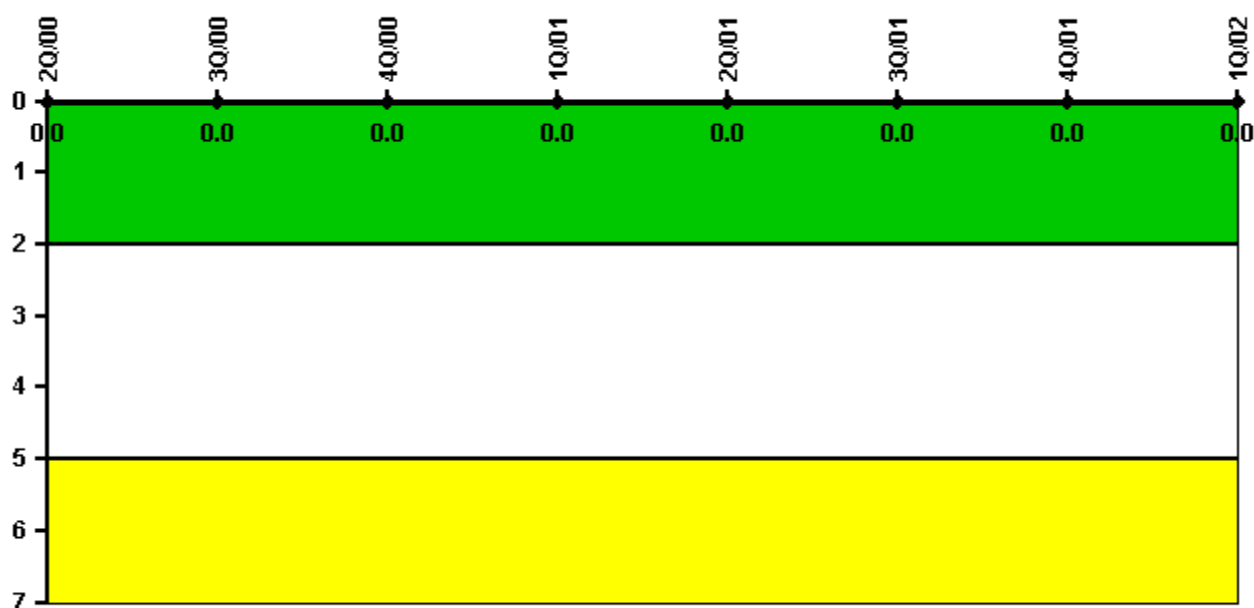
Thresholds: White > 0.080

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	63.90	30.30	0	9.20	58.10	12.10	93.50	20.00
CCTV compensatory hours	10.5	7.9	0.5	57.3	3.8	0	2.5	0
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.021	0.012	0.010	0.007	0.006	0.005	0.008	0.005

Licensee Comments: none

Personnel Screening Program



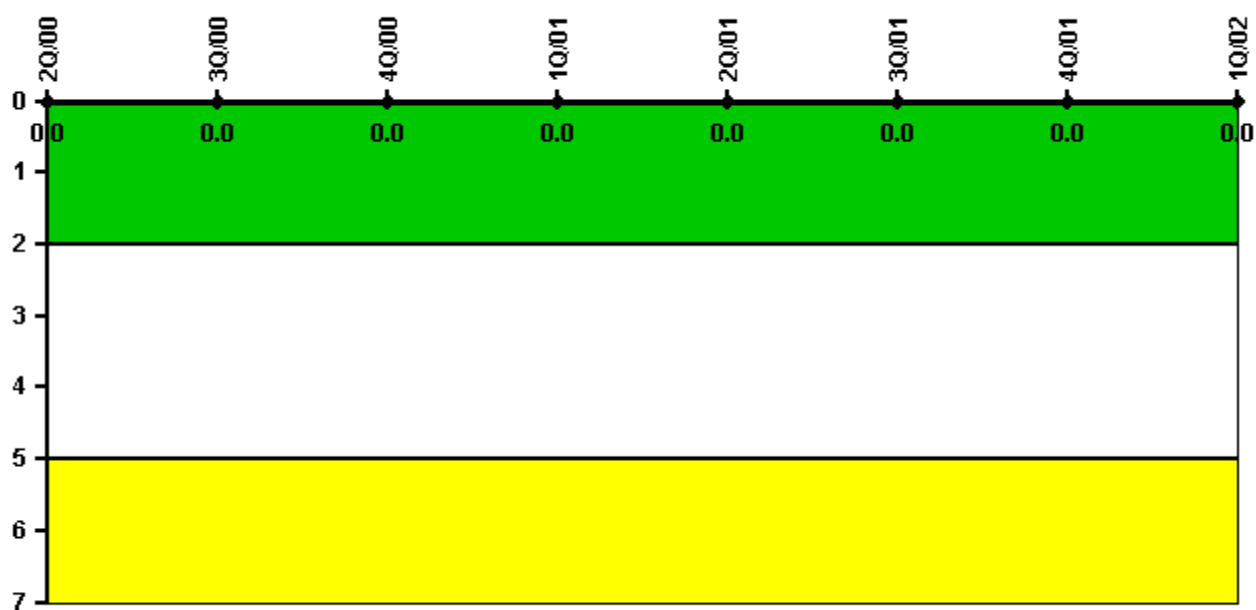
Thresholds: White > 2.0 Yellow > 5.0

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:

1Q/02:

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

Catawba 1

2Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



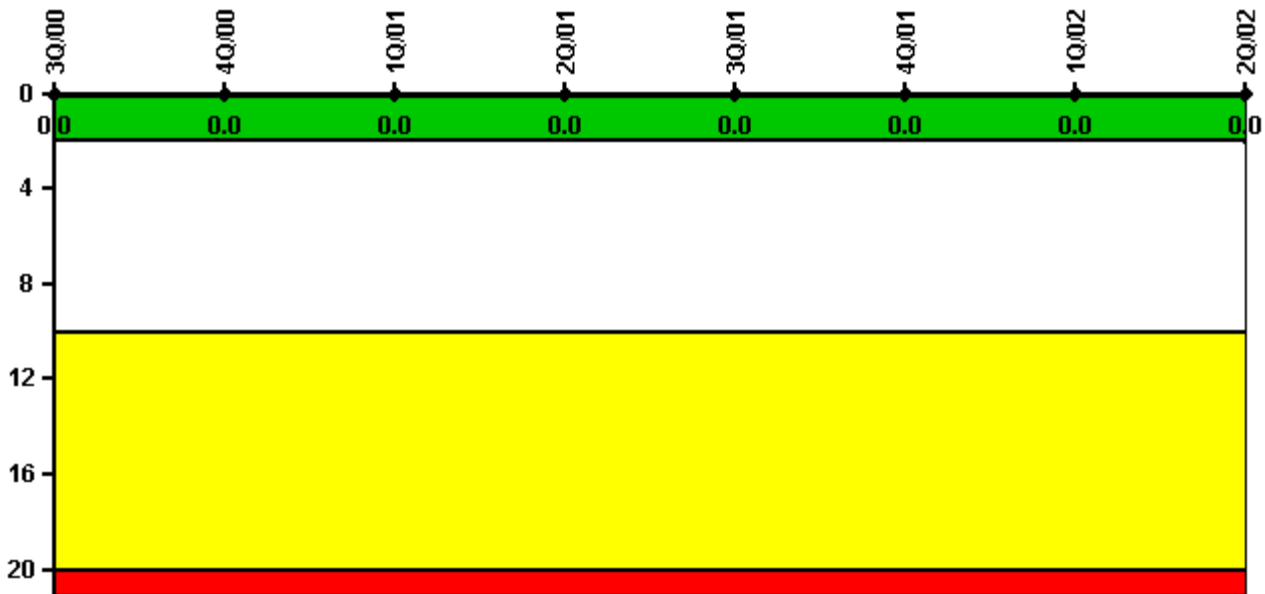
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0
Critical hours	2208.0	1321.2	2128.9	2183.0	2208.0	2209.0	2160.0	1695.0
Indicator value	0.8	0.9	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



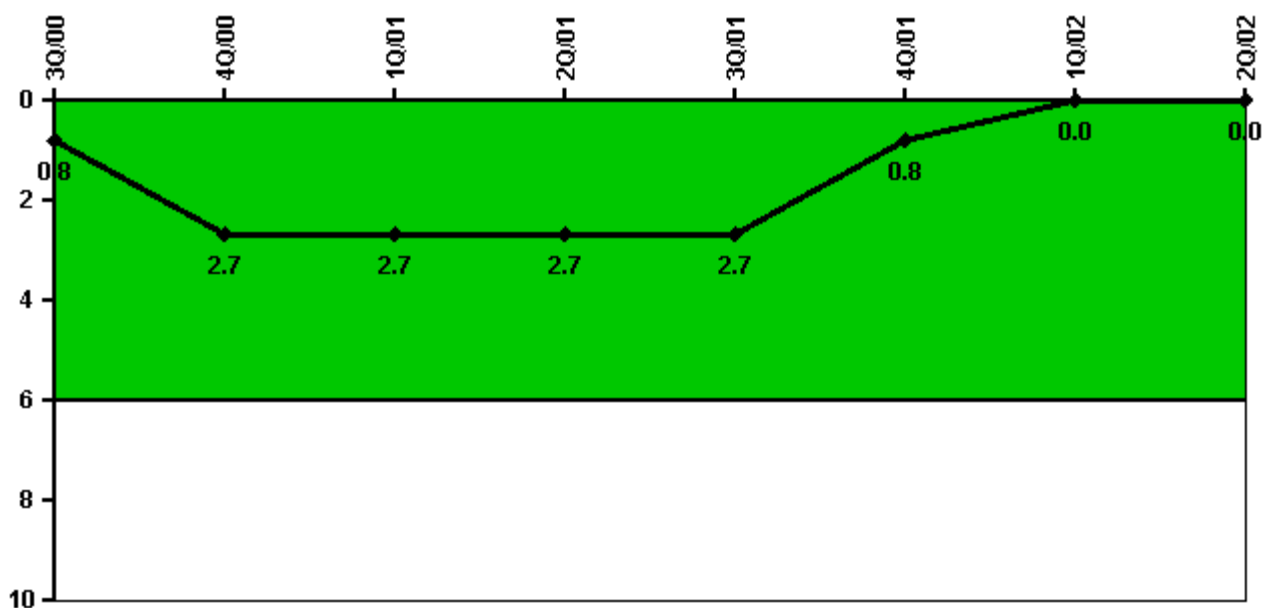
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



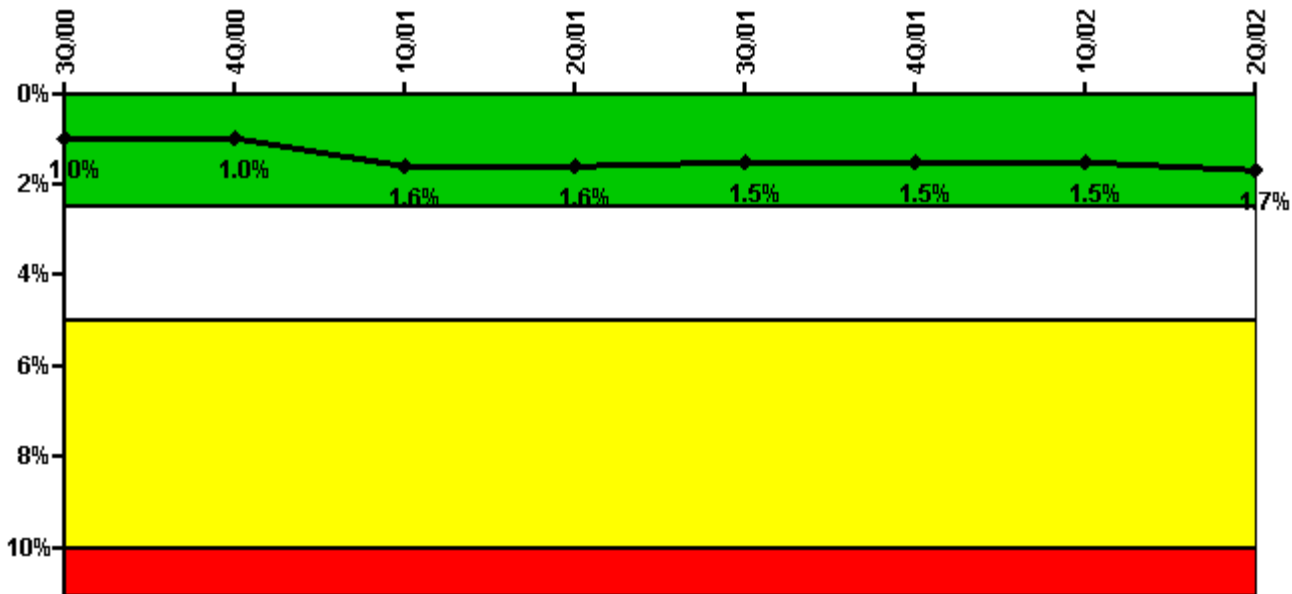
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	2.0	1.0	0	0	0	0	0
Critical hours	2208.0	1321.2	2128.9	2183.0	2208.0	2209.0	2160.0	1695.0
Indicator value	0.8	2.7	2.7	2.7	2.7	0.8	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

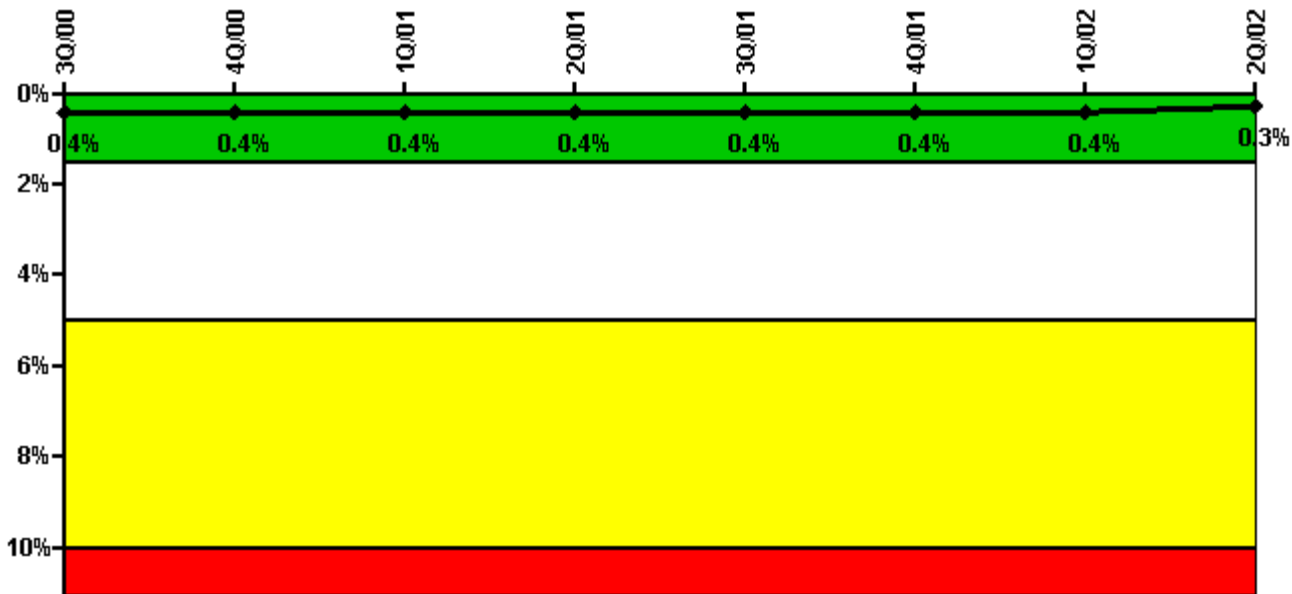
Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	3.31	1.77	2.49	6.06	3.35	2.55	50.15	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00	2184.00
Train 2								
Planned unavailable hours	3.34	2.03	1.72	4.95	2.48	1.92	0	61.25
Unplanned unavailable hours	30.83	0	16.62	0	6.12	0	0	20.90
Fault exposure hours	0	0	333.20	0	0	0	0	85.35
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00	2184.00
Indicator value	1.0%	1.0%	1.6%	1.6%	1.5%	1.5%	1.5%	1.7%

Licensee Comments:

1Q/02: Hours amended to include an additional 3.3 planned unavailable hours (functional testing time).

Safety System Unavailability, High Pressure Injection System (HPSI)



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

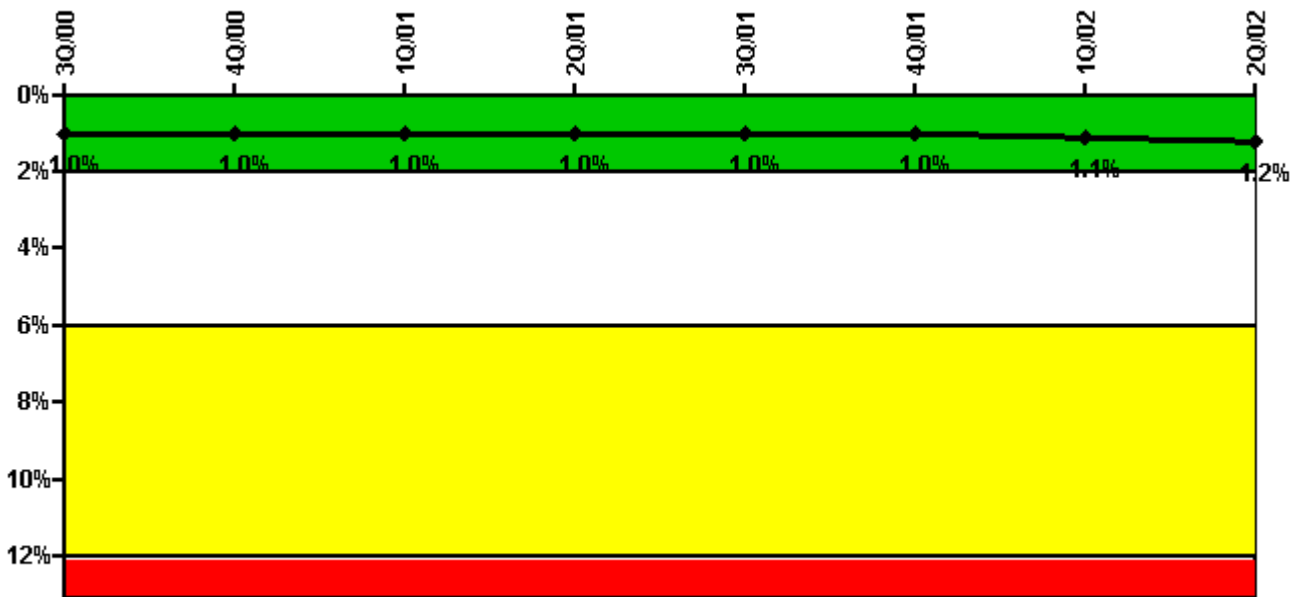
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0.40	0	7.30	1.65	7.16	1.20	3.60	2.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00
Train 2								
Planned unavailable hours	3.10	0.30	4.00	6.70	25.55	2.38	5.60	13.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00
Train 3								
Planned unavailable hours	5.10	0	5.83	1.35	0.38	0	2.70	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00
Train 4								
Planned unavailable hours	12.30	9.00	0	0	0	10.08	3.50	13.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2208.00	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

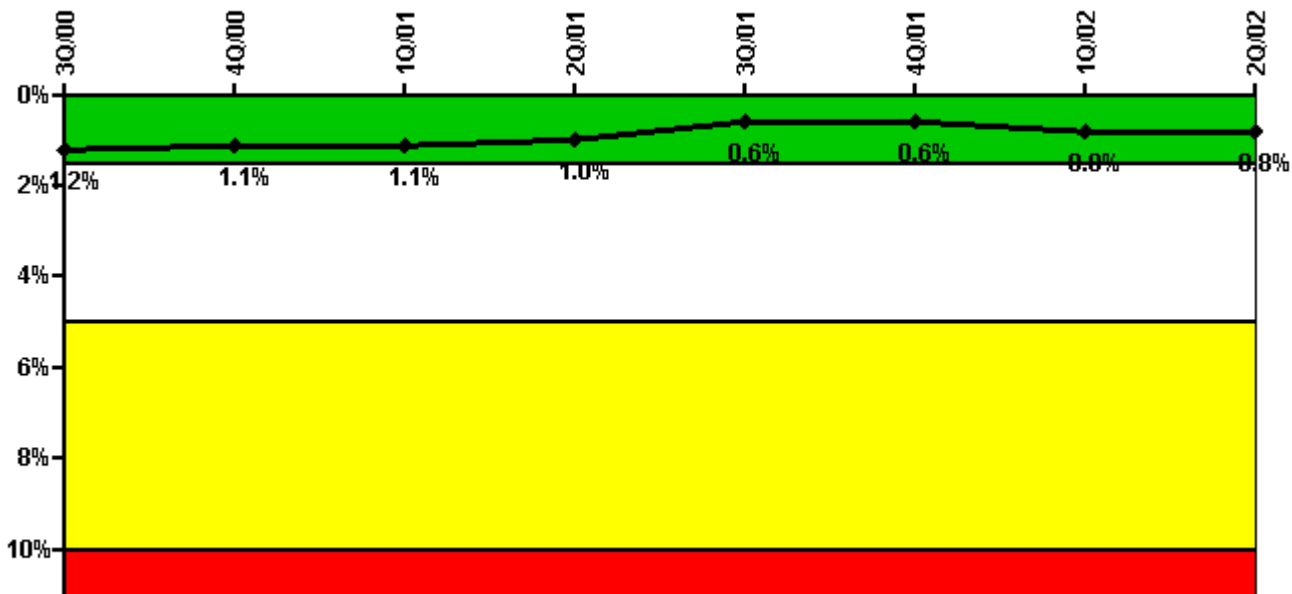
Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	27.44	0	0	19.32	2.51	1.90	30.90	15.47
Unplanned unavailable hours	0	0	1.88	0	0	0	0	0.75
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	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00	1751.45
Train 2								
Planned unavailable hours	20.25	0	9.31	10.33	1.97	5.20	38.22	17.11
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	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00	1751.45
Train 3								

Planned unavailable hours	11.30	0	12.05	9.10	9.48	18.94	21.32	3.52
Unplanned unavailable hours	0	0	0	0	0	23.52	0	0
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	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00	1751.45
Indicator value	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.1%	1.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

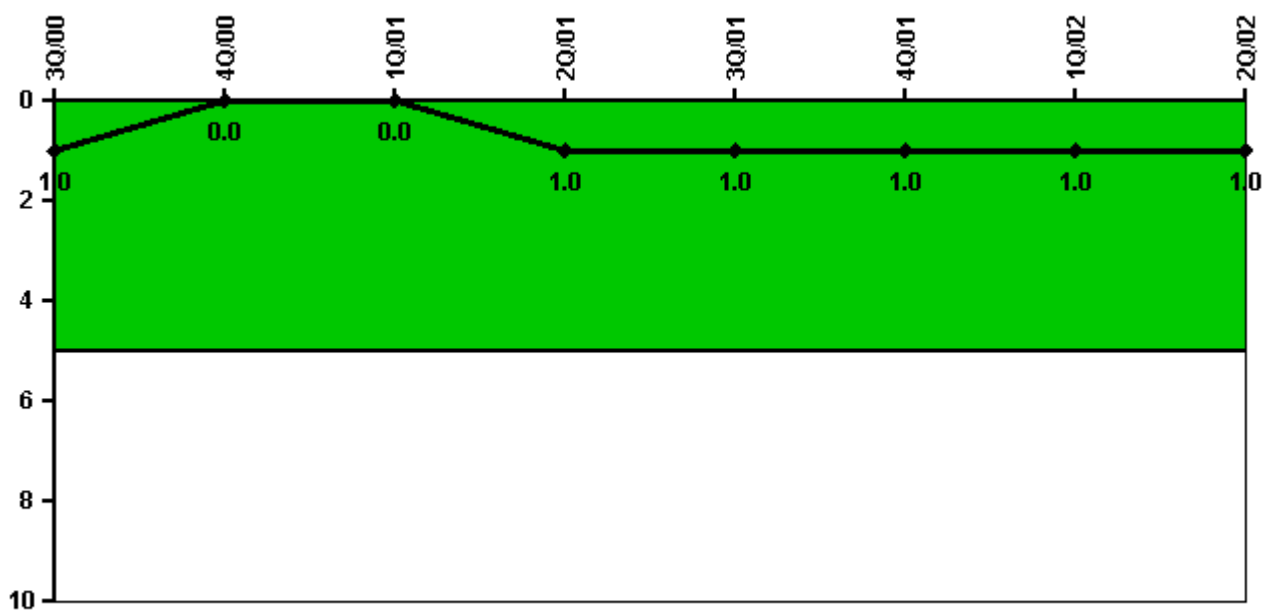
Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0	0	7.93	25.75	0.38	0	94.20	0
Unplanned unavailable hours	0	0	1.92	0	0	0	0	27.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	5.90	0.60	0	0.20	25.17	80.20	21.80
Unplanned unavailable hours	0	0	0	0	8.53	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	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.2%	1.1%	1.1%	1.0%	0.6%	0.6%	0.8%	0.8%

Licensee Comments: none

Safety System Functional Failures (PWR)



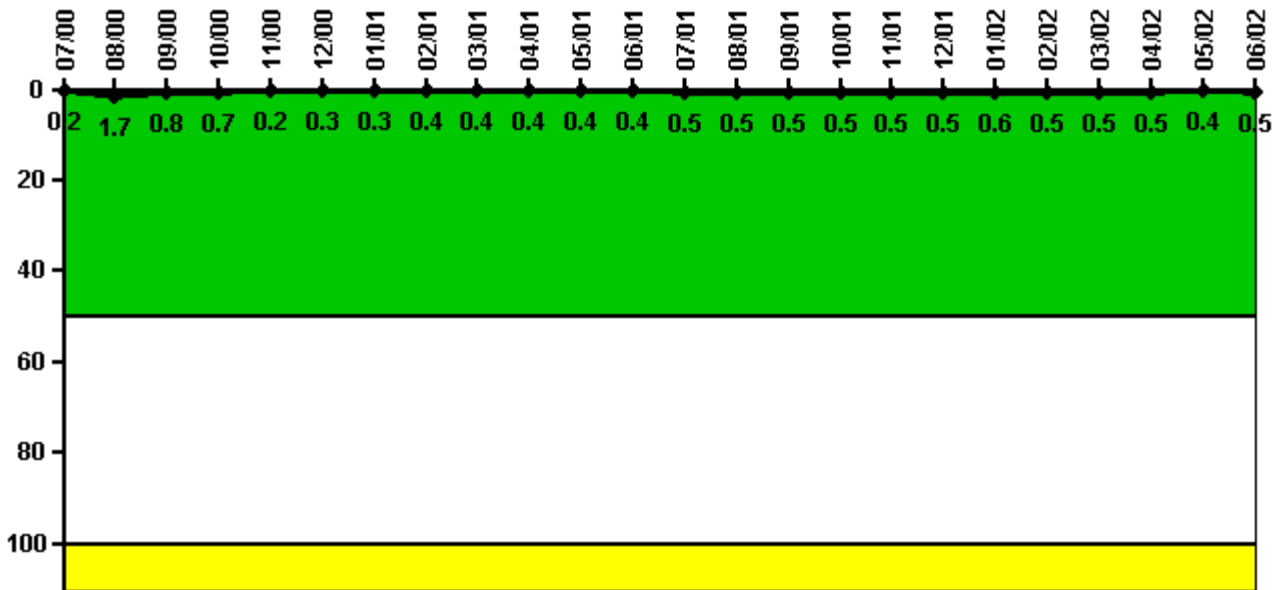
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

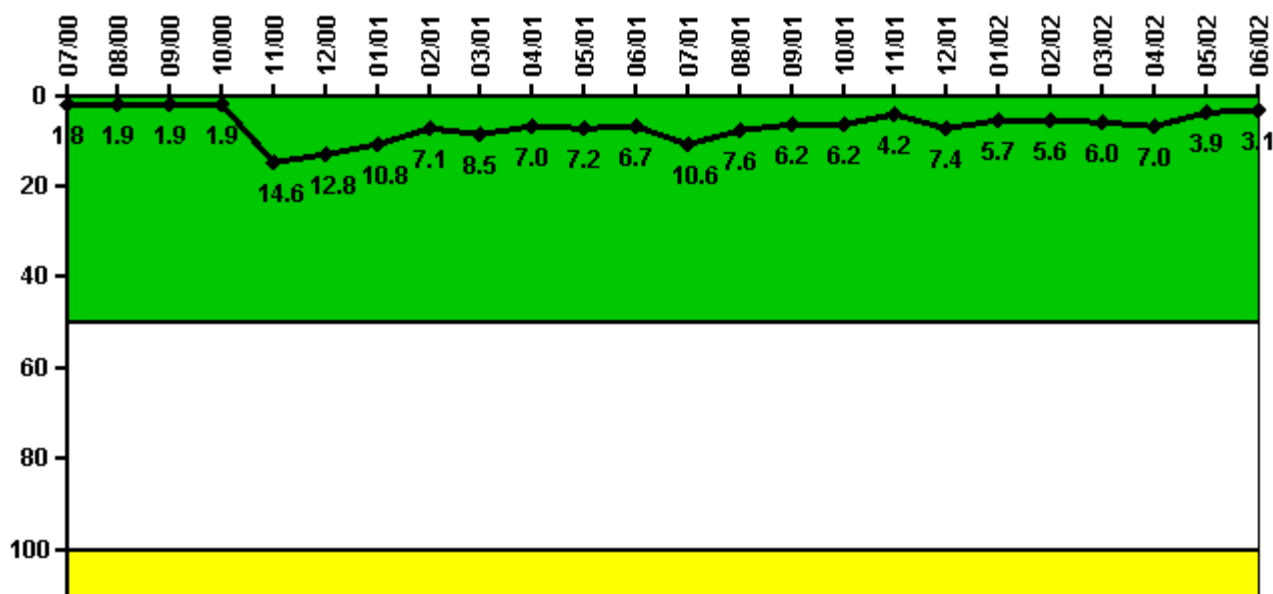
Notes

Reactor Coolant System Activity	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000114	0.001092	0.000533	0.000459	0.000157	0.000193	0.000200	0.000233	0.000265	0.000245	0.000257	0.000258
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	1.7	0.8	0.7	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4

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	0.000300	0.000300	0.000300	0.000311	0.000318	0.000336	0.000389	0.000337	0.000335	0.000328	0.000241	0.000297
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.5

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

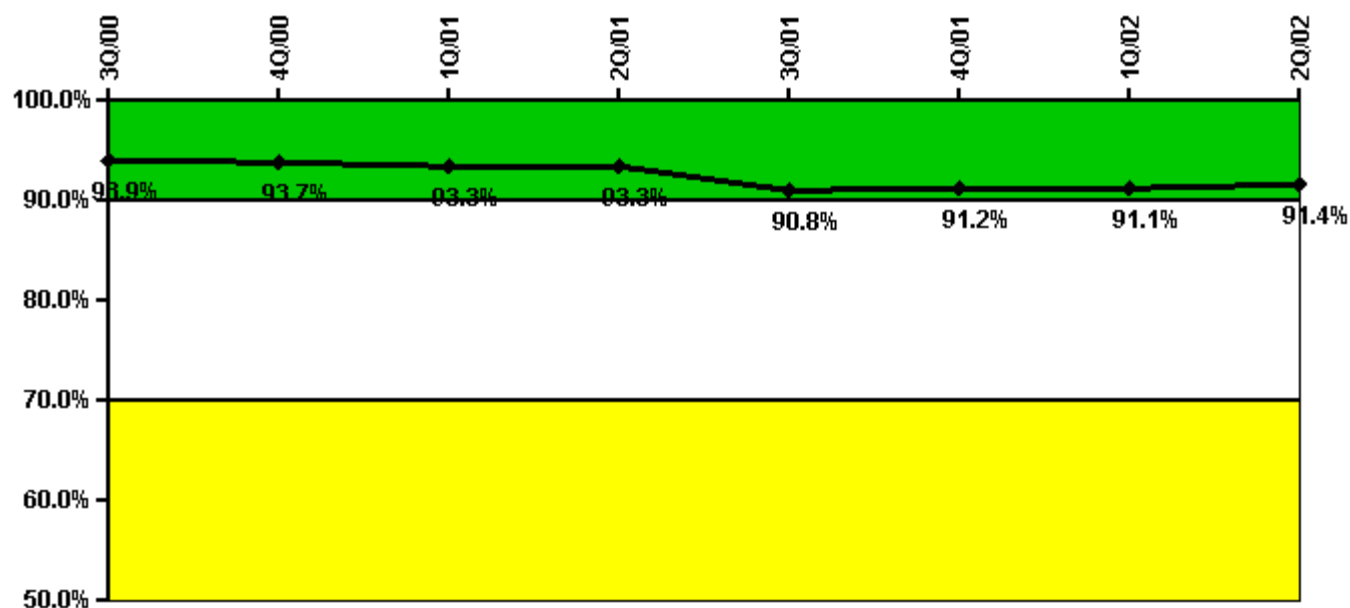
Notes

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	0.177	0.189	0.187	0.194	1.455	1.279	1.075	0.708	0.854	0.699	0.716	0.669
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.8	1.9	1.9	1.9	14.6	12.8	10.8	7.1	8.5	7.0	7.2	6.7

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	1.063	0.761	0.624	0.616	0.417	0.742	0.569	0.563	0.598	0.698	0.385	0.310
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	10.6	7.6	6.2	6.2	4.2	7.4	5.7	5.6	6.0	7.0	3.9	3.1

Licensee Comments: none

Drill/Exercise Performance



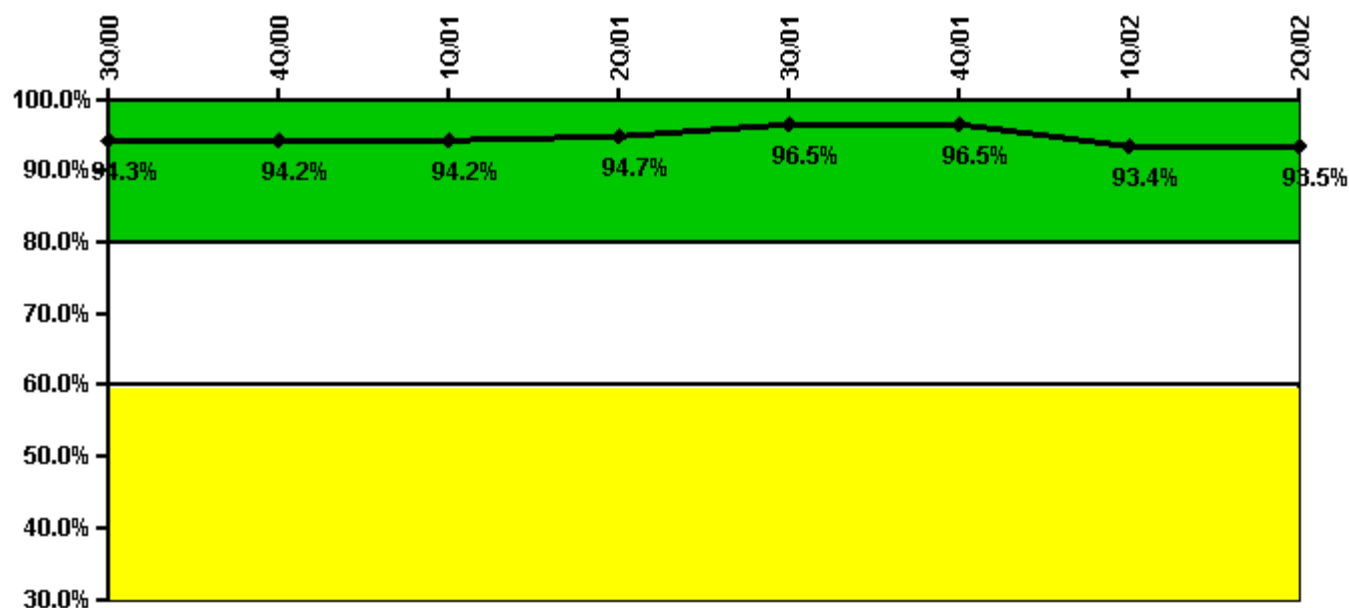
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	69.0	9.0	2.0	7.0	111.0	12.0	16.0	8.0
Total opportunities	77.0	9.0	2.0	7.0	125.0	12.0	16.0	8.0
Indicator value	93.9%	93.7%	93.3%	93.3%	90.8%	91.2%	91.1%	91.4%

Licensee Comments: none

ERO Drill Participation



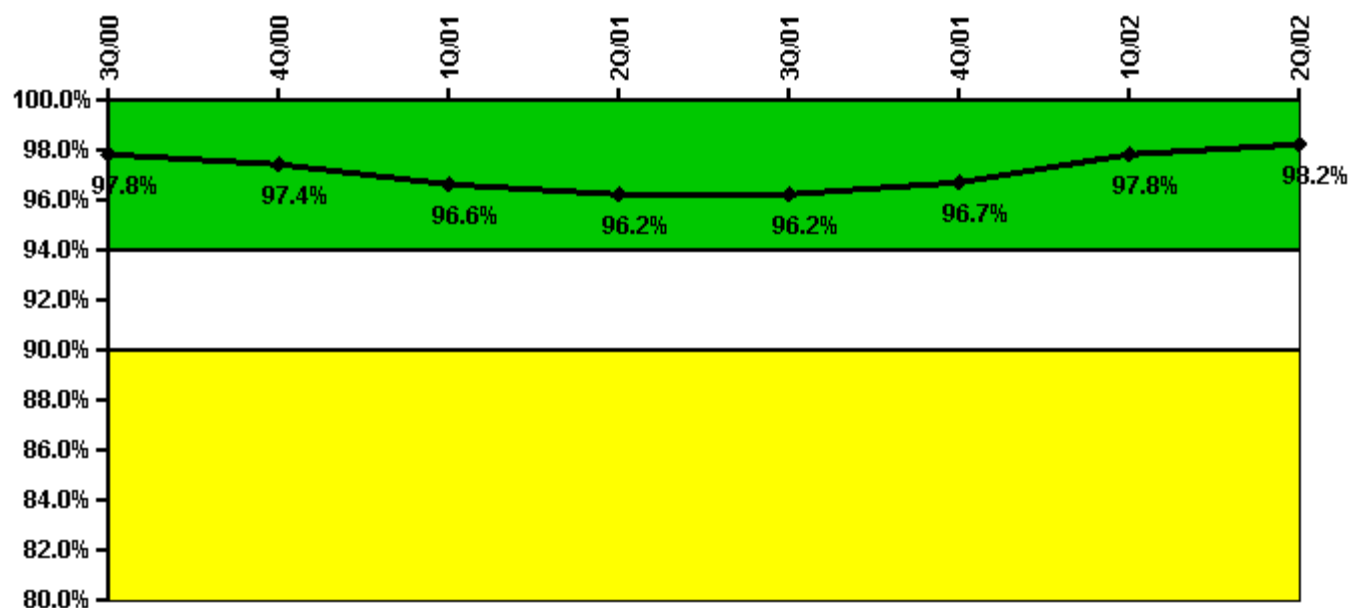
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	181.0	180.0	179.0	178.0	192.0	191.0	184.0	186.0
Total Key personnel	192.0	191.0	190.0	188.0	199.0	198.0	197.0	199.0
Indicator value	94.3%	94.2%	94.2%	94.7%	96.5%	96.5%	93.4%	93.5%

Licensee Comments: none

Alert & Notification System



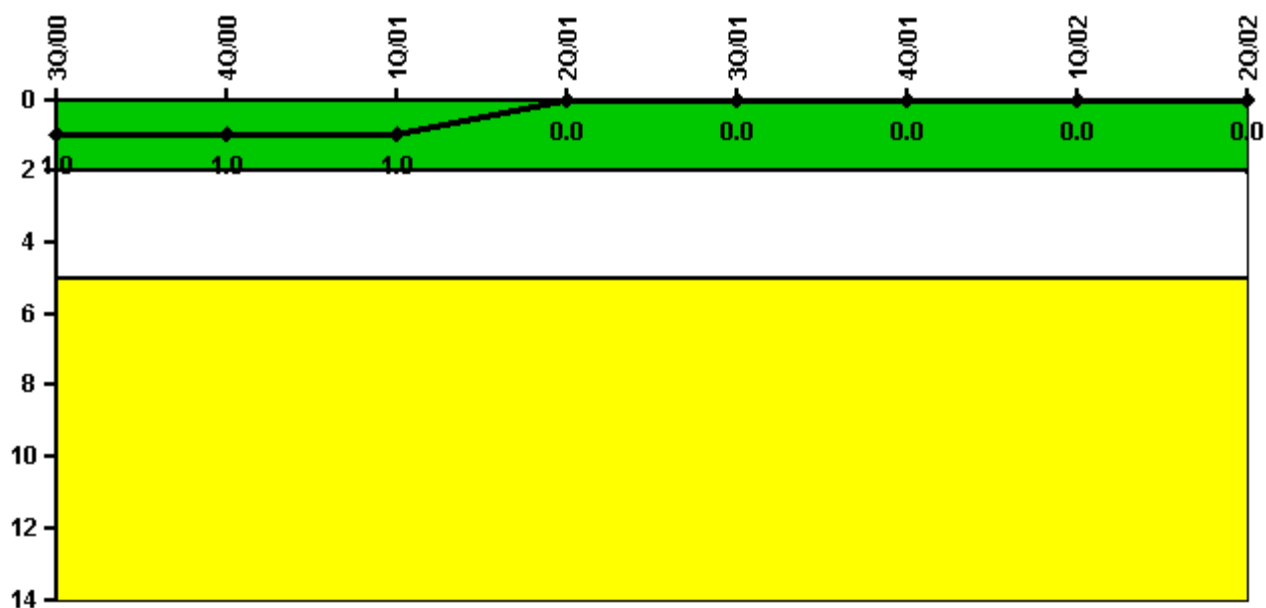
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	2123	2195	2135	2293	2208	2162	2337	2253
Total sirens-tests	2188	2262	2276	2363	2275	2186	2375	2288
Indicator value	97.8%	97.4%	96.6%	96.2%	96.2%	96.7%	97.8%	98.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness

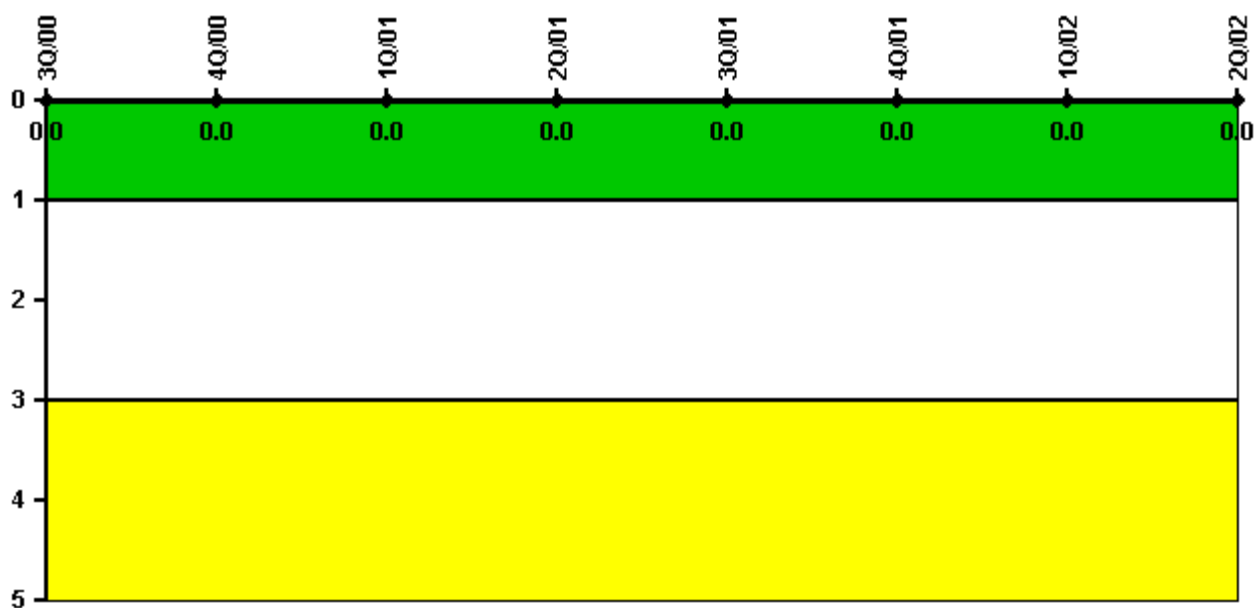


Thresholds: White > 2.0 Yellow > 5.0

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	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

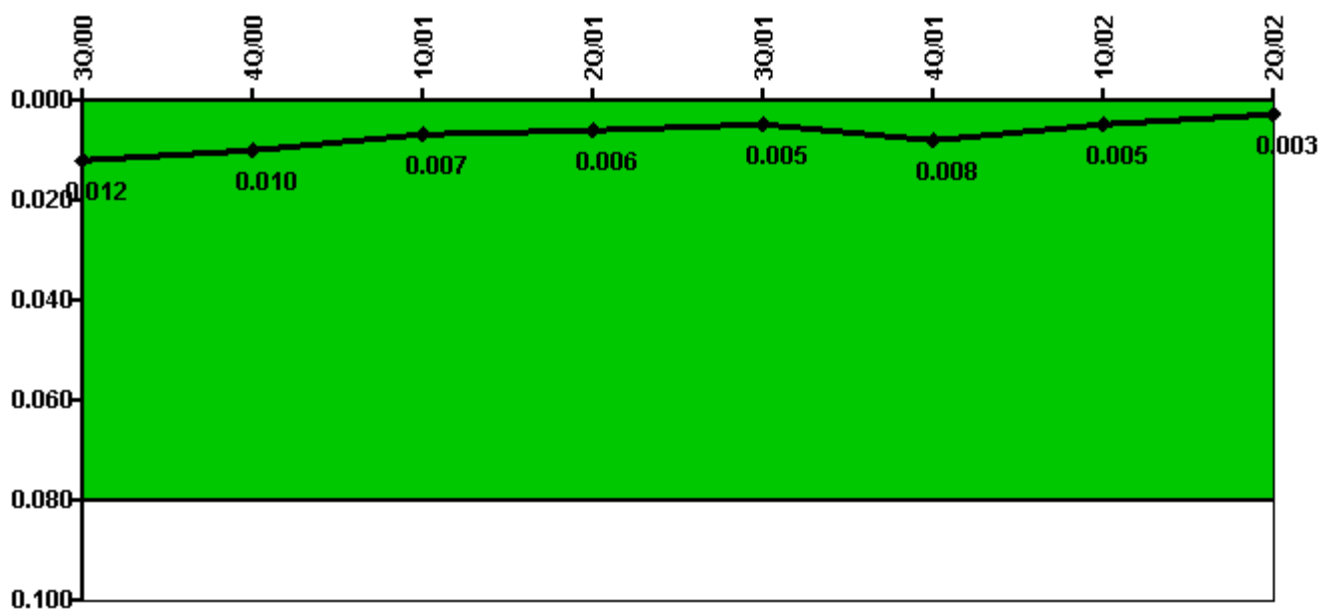
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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



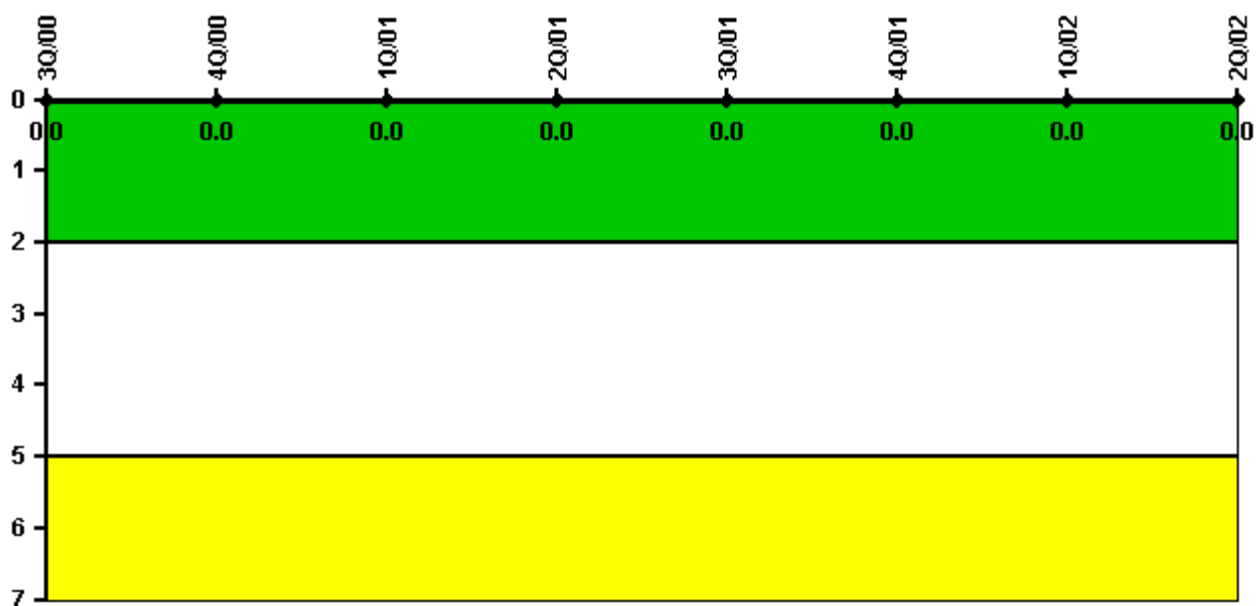
Thresholds: White > 0.080

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	30.30	0	9.20	58.10	12.10	93.50	20.00	5.10
CCTV compensatory hours	7.9	0.5	57.3	3.8	0	2.5	0	0
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.012	0.010	0.007	0.006	0.005	0.008	0.005	0.003

Licensee Comments: none

Personnel Screening Program



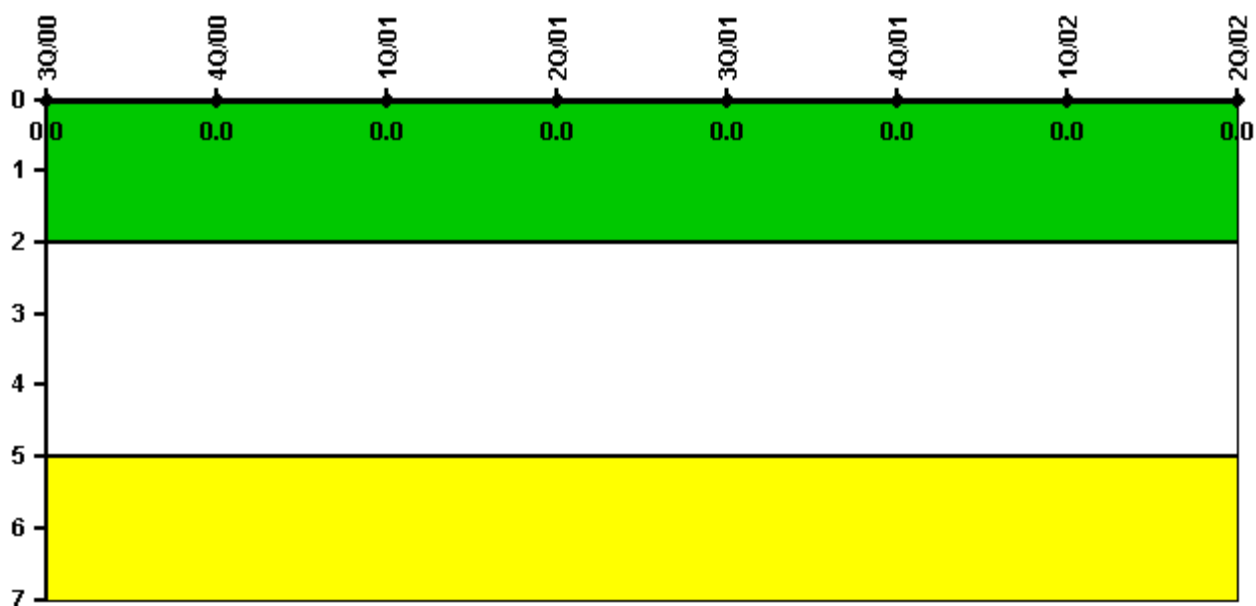
Thresholds: White > 2.0 Yellow > 5.0

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](#)

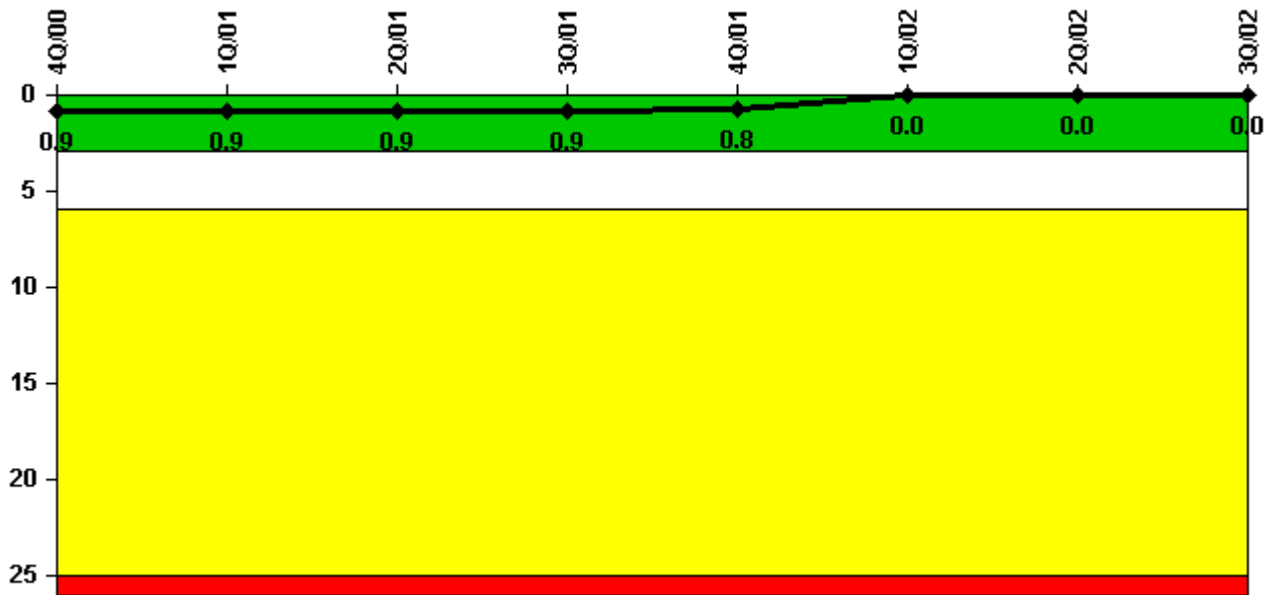
Last Modified: July 31, 2002

Catawba 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



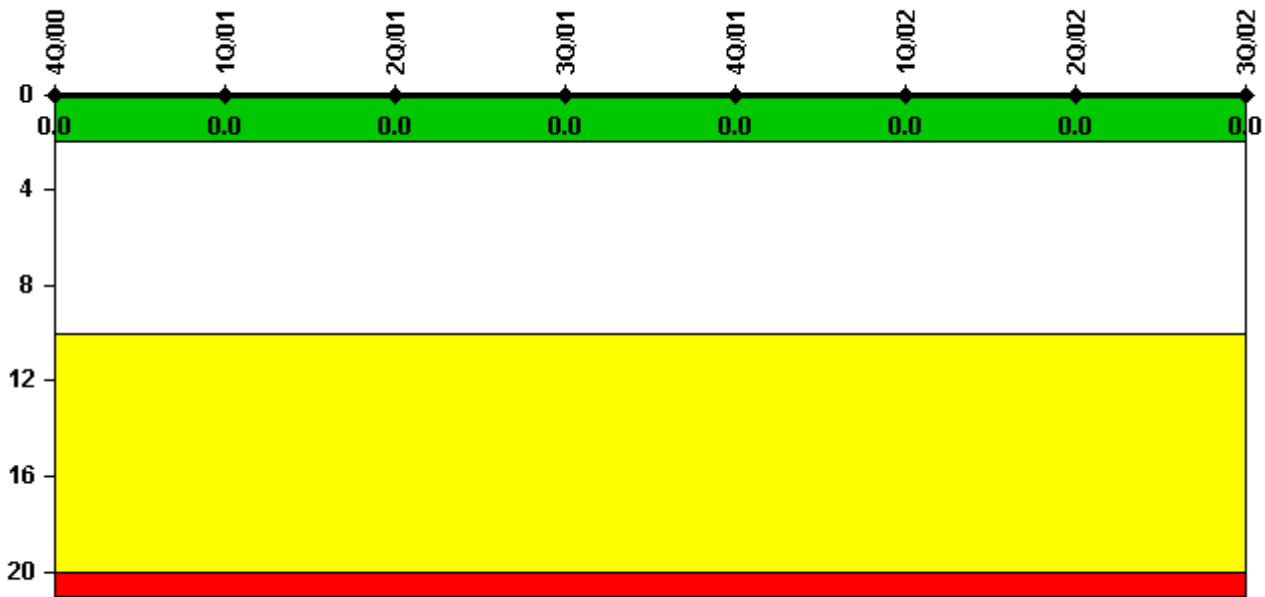
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0
Critical hours	1321.2	2128.9	2183.0	2208.0	2209.0	2160.0	1695.0	2208.0
Indicator value	0.9	0.9	0.9	0.9	0.8	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



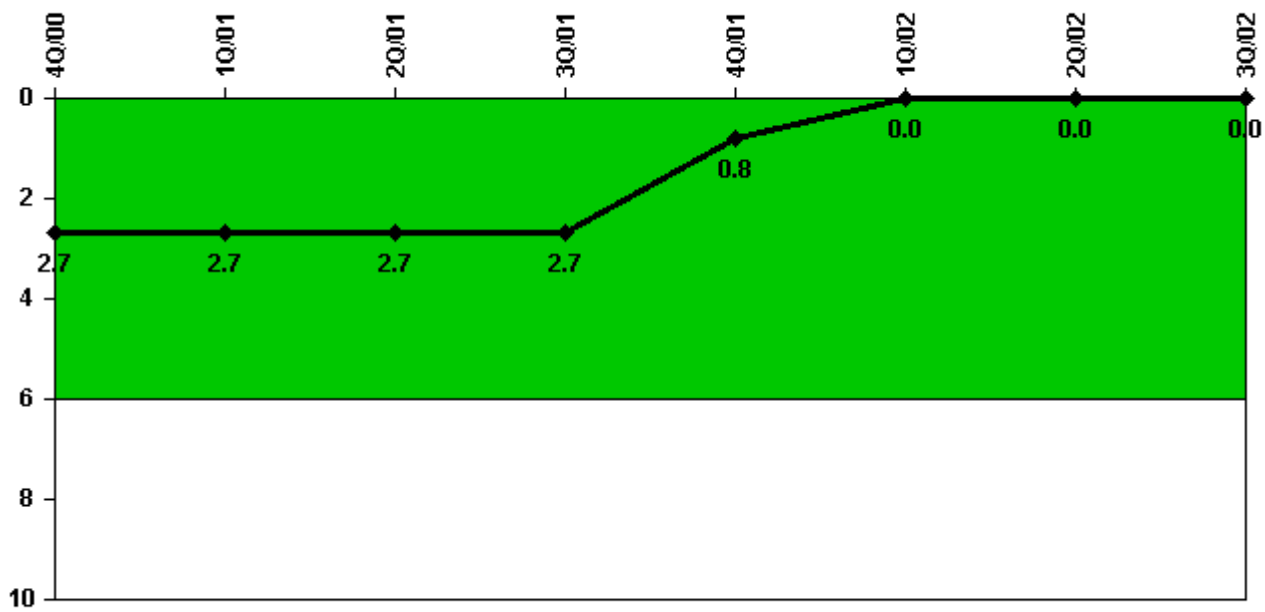
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



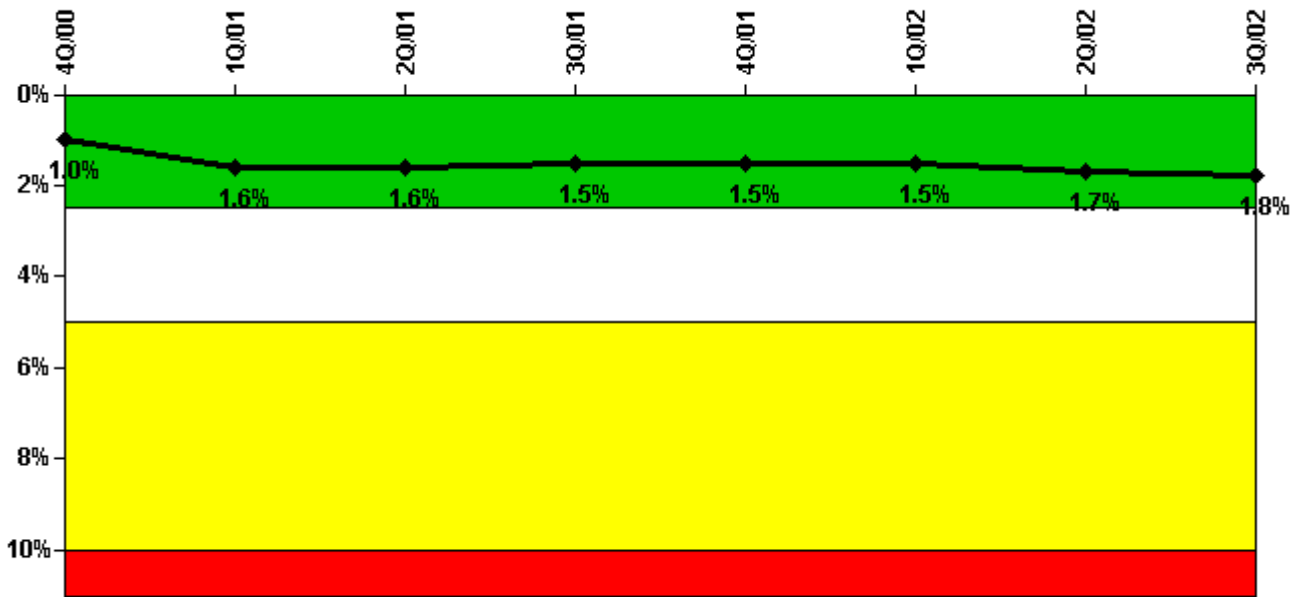
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	2.0	1.0	0	0	0	0	0	0
Critical hours	1321.2	2128.9	2183.0	2208.0	2209.0	2160.0	1695.0	2208.0
Indicator value	2.7	2.7	2.7	2.7	0.8	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



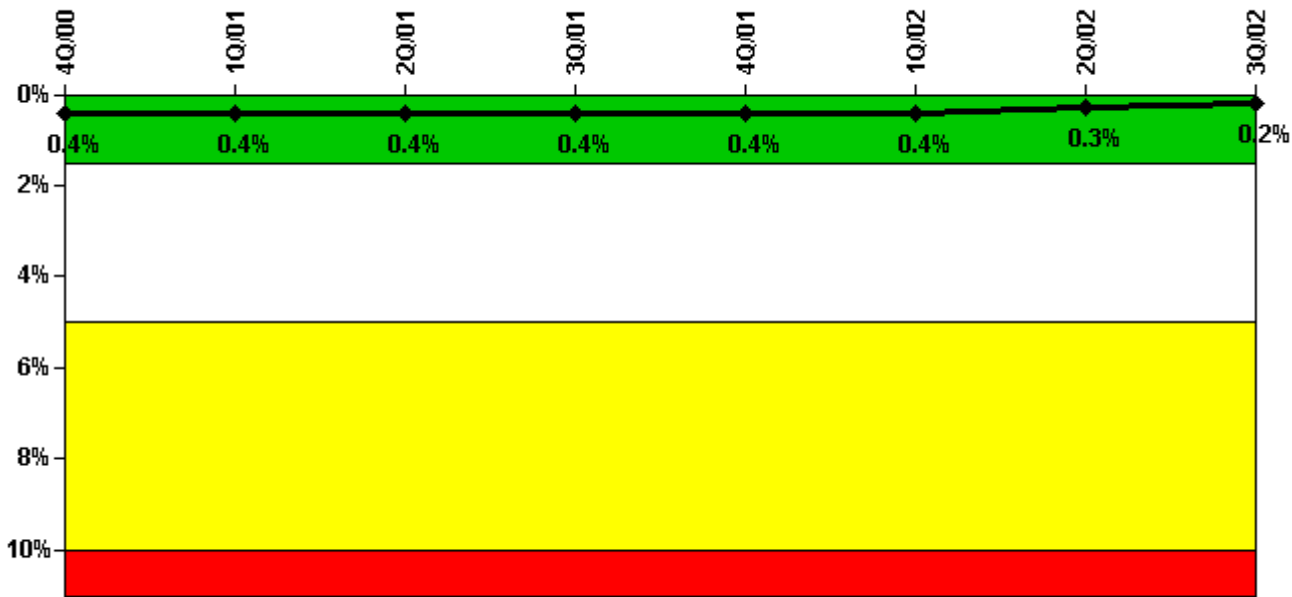
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	1.77	2.49	6.06	3.35	2.55	50.15	0	34.18
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	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	2.03	1.72	4.95	2.48	1.92	0	61.25	41.73
Unplanned unavailable hours	0	16.62	0	6.12	0	0	20.90	0
Fault exposure hours	0	333.20	0	0	0	0	85.35	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00
Indicator value	1.0%	1.6%	1.6%	1.5%	1.5%	1.5%	1.7%	1.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



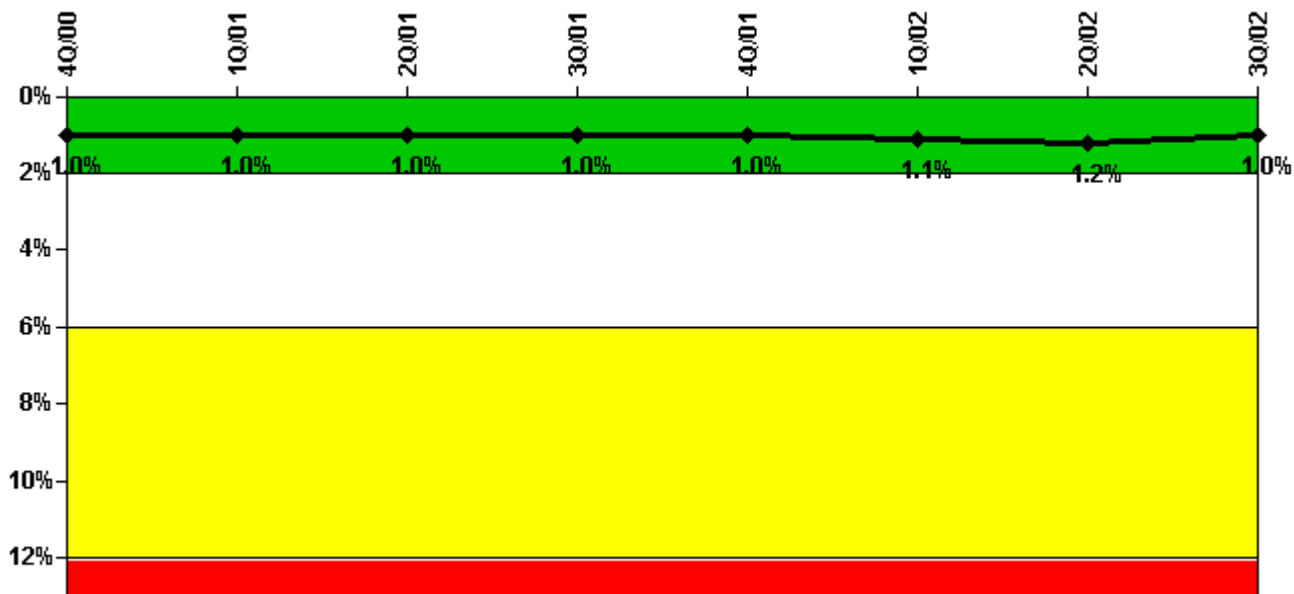
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	7.30	1.65	7.16	1.20	3.60	2.10	0
Unplanned unavailable hours	0	0	0	0	0	0	0.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00
Train 2								
Planned unavailable hours	0.30	4.00	6.70	25.55	2.38	5.60	13.20	3.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00
Train 3								
Planned unavailable hours	0	5.83	1.35	0.38	0	2.70	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00
Train 4								
Planned unavailable hours	9.00	0	0	0	10.08	3.50	13.20	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1319.90	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



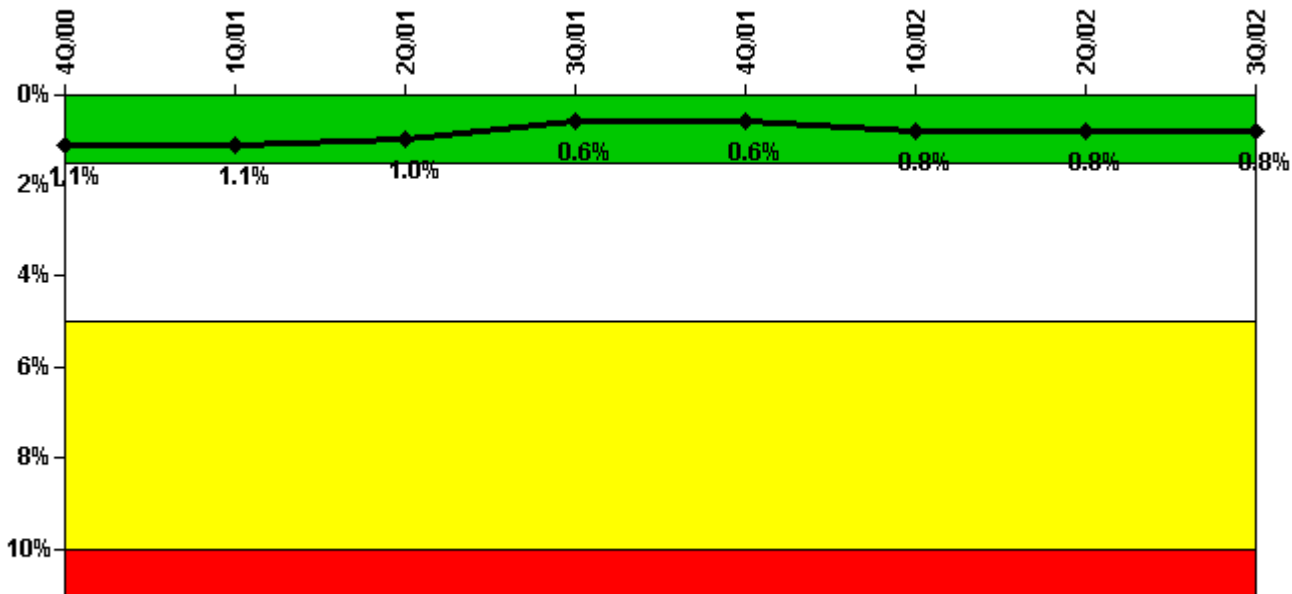
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	0	19.32	2.51	1.90	30.90	15.47	28.32
Unplanned unavailable hours	0	1.88	0	0	0	0	0.75	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00	1751.45	2208.00
Train 2								
Planned unavailable hours	0	9.31	10.33	1.97	5.20	38.22	17.11	6.80
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	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00	1751.45	2208.00
Train 3								
Planned unavailable hours	0	12.05	9.10	9.48	18.94	21.32	3.52	26.78
Unplanned unavailable hours	0	0	0	0	23.52	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	1366.70	2160.00	2184.00	2208.00	2209.00	2160.00	1751.45	2208.00
Indicator value	1.0%	1.0%	1.0%	1.0%	1.0%	1.1%	1.2%	1.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



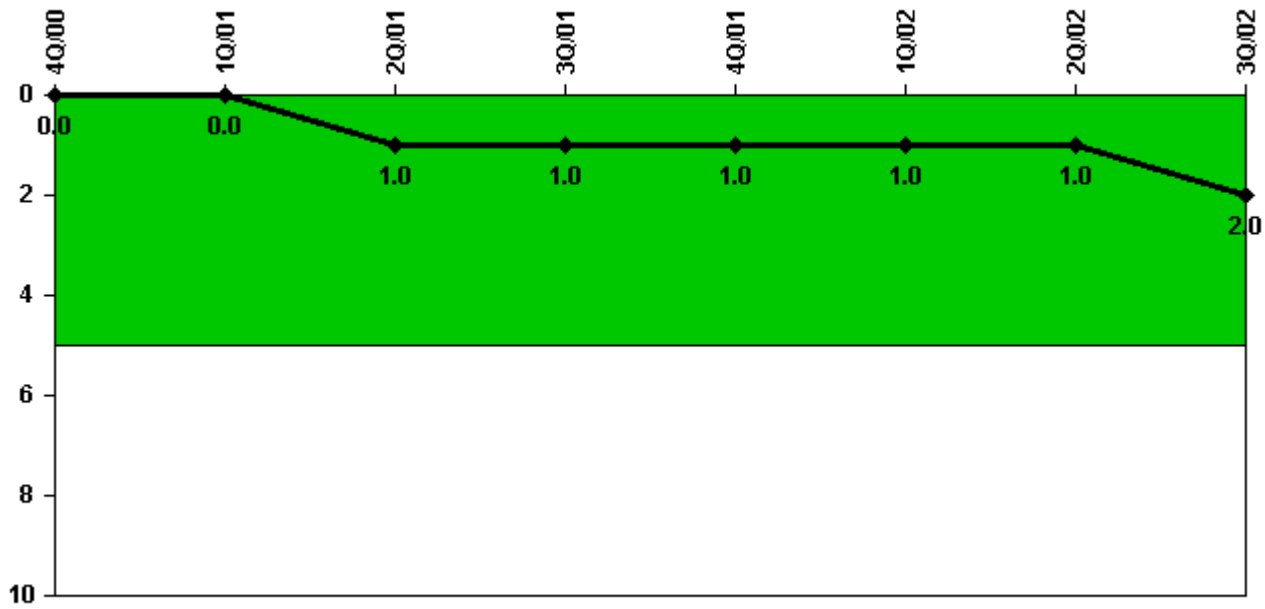
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	7.93	25.75	0.38	0	94.20	0	0
Unplanned unavailable hours	0	1.92	0	0	0	0	27.10	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.90	0.60	0	0.20	25.17	80.20	21.80	0
Unplanned unavailable hours	0	0	0	8.53	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	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.1%	1.1%	1.0%	0.6%	0.6%	0.8%	0.8%	0.8%

Licensee Comments: none

Safety System Functional Failures (PWR)



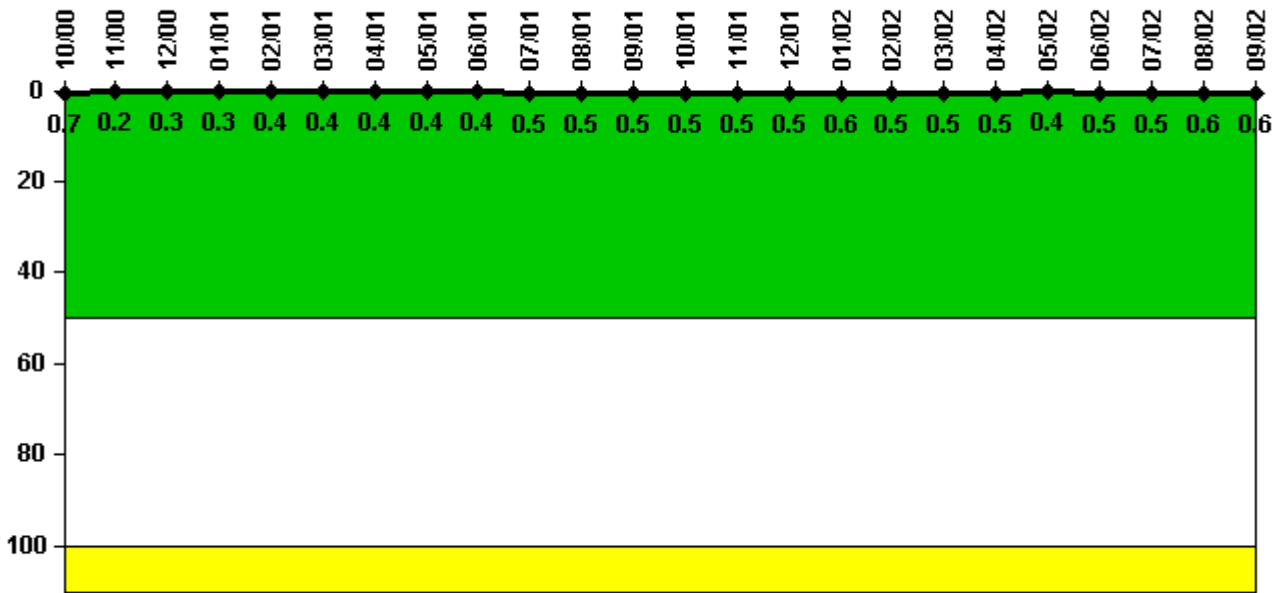
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

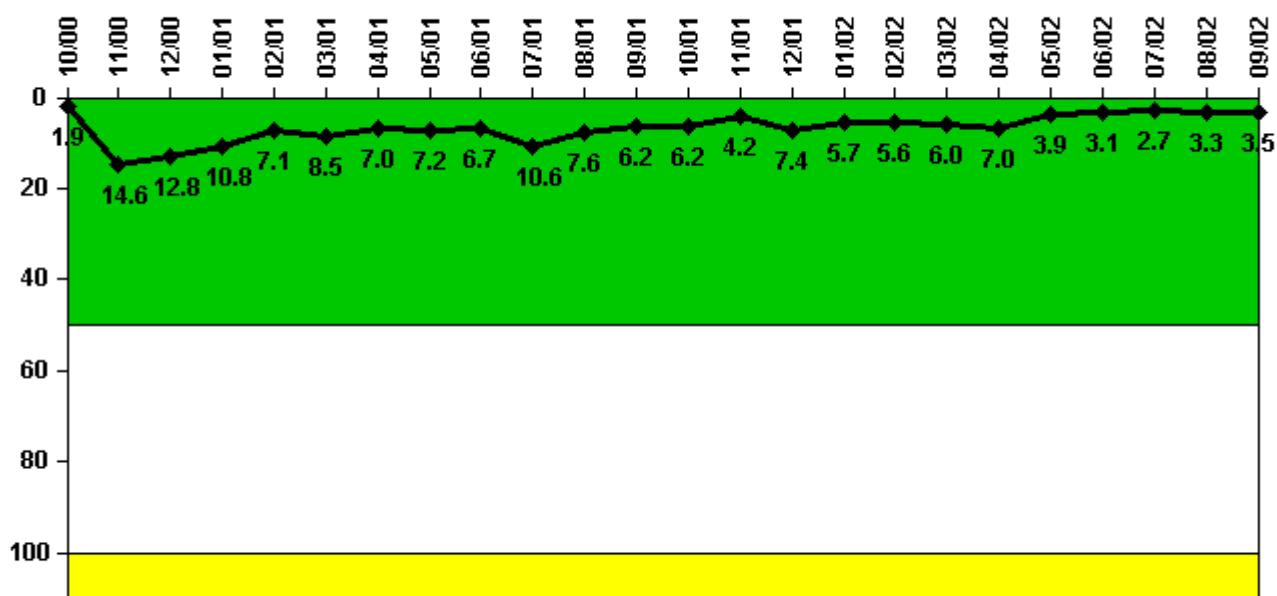
Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000459	0.000157	0.000193	0.000200	0.000233	0.000265	0.000245	0.000257	0.000258	0.000300	0.000300	0.000300
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.7	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5

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	0.000311	0.000318	0.000336	0.000389	0.000337	0.000335	0.000328	0.000241	0.000297	0.000320	0.000360	0.000380
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.6	0.6

Licensee Comments:

9/02:

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

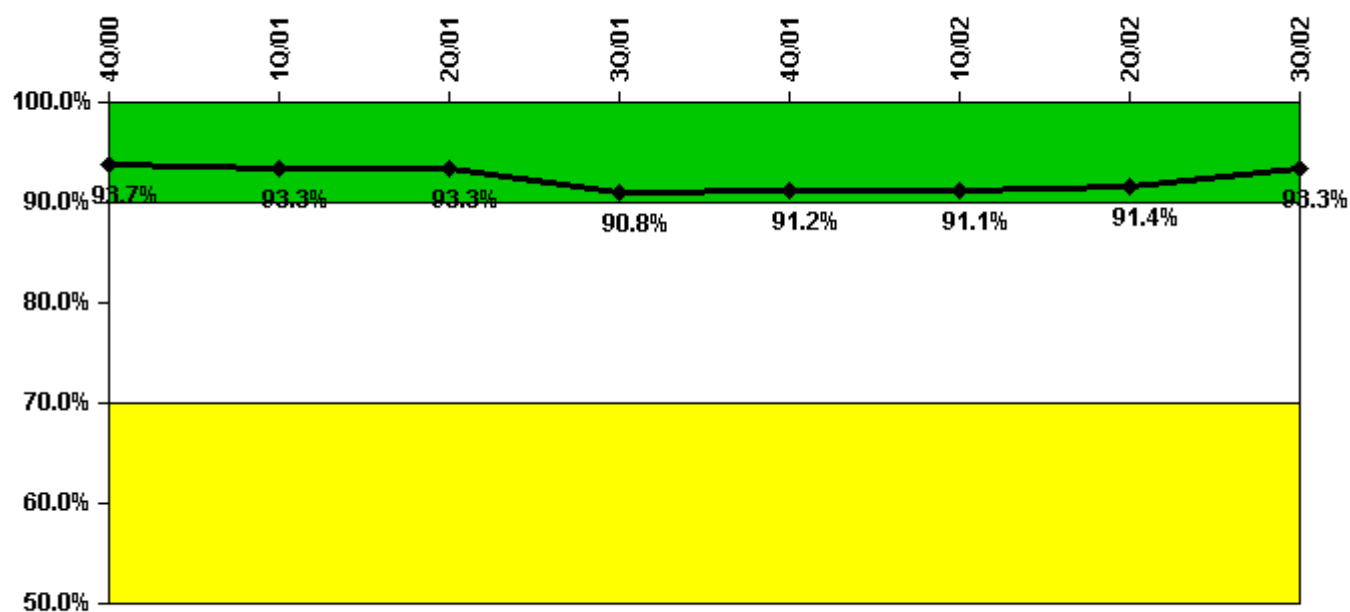
Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.194	1.455	1.279	1.075	0.708	0.854	0.699	0.716	0.669	1.063	0.761	0.624
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	14.6	12.8	10.8	7.1	8.5	7.0	7.2	6.7	10.6	7.6	6.2

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.616	0.417	0.742	0.569	0.563	0.598	0.698	0.385	0.310	0.270	0.330	0.350
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	6.2	4.2	7.4	5.7	5.6	6.0	7.0	3.9	3.1	2.7	3.3	3.5

Licensee Comments: none

Drill/Exercise Performance



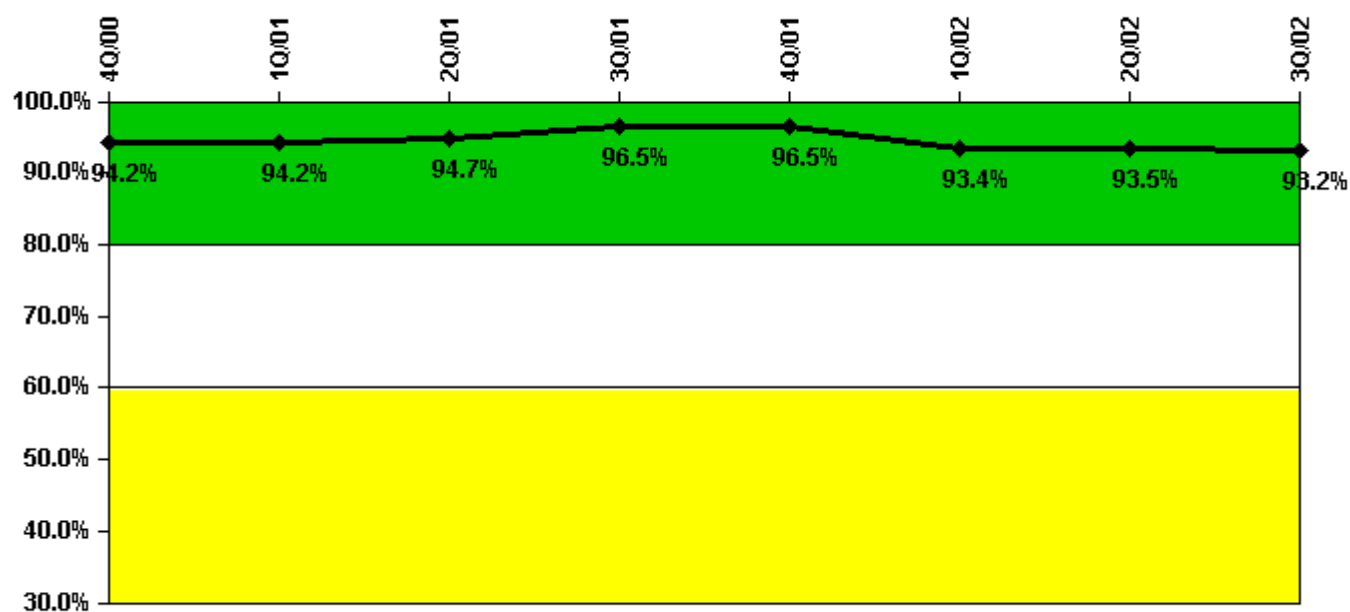
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	9.0	2.0	7.0	111.0	12.0	16.0	8.0	71.0
Total opportunities	9.0	2.0	7.0	125.0	12.0	16.0	8.0	74.0
Indicator value	93.7%	93.3%	93.3%	90.8%	91.2%	91.1%	91.4%	93.3%

Licensee Comments: none

ERO Drill Participation



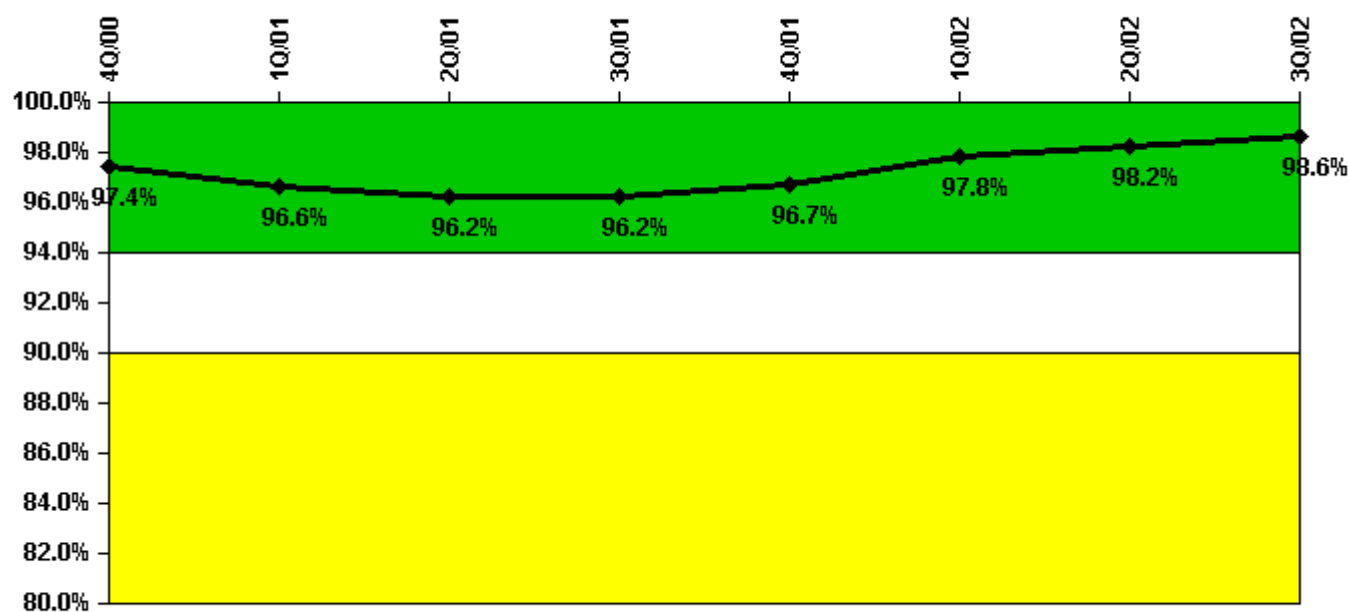
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	180.0	179.0	178.0	192.0	191.0	184.0	186.0	177.0
Total Key personnel	191.0	190.0	188.0	199.0	198.0	197.0	199.0	190.0
Indicator value	94.2%	94.2%	94.7%	96.5%	96.5%	93.4%	93.5%	93.2%

Licensee Comments: none

Alert & Notification System



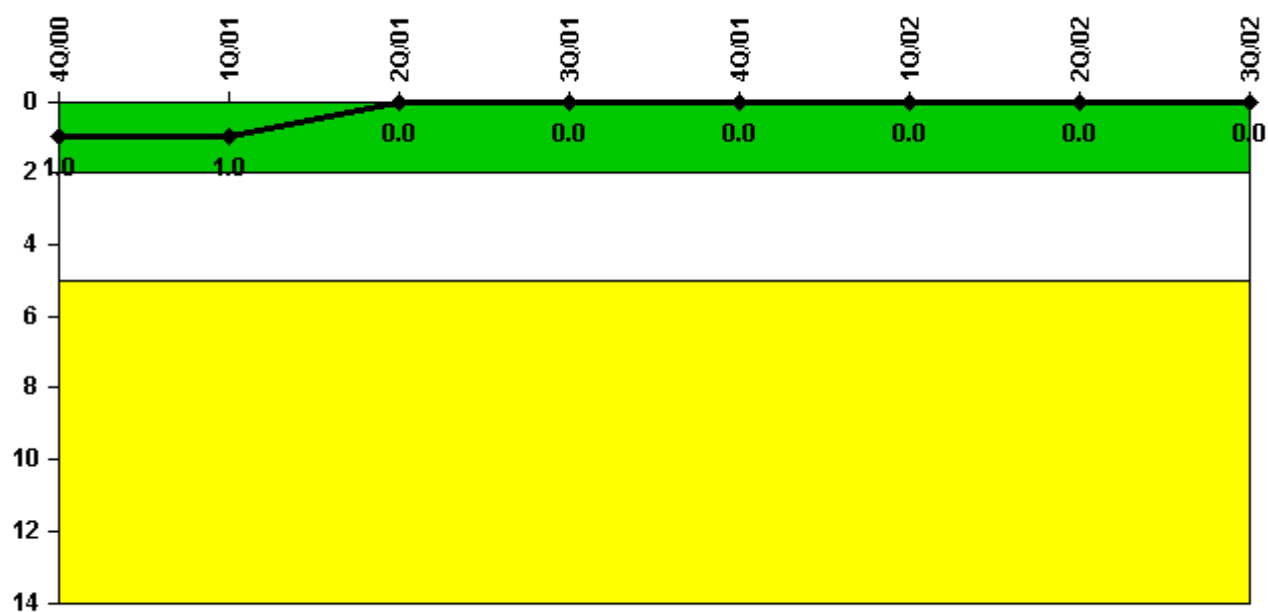
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	2195	2135	2293	2208	2162	2337	2253	2251
Total sirens-tests	2262	2276	2363	2275	2186	2375	2288	2281
Indicator value	97.4%	96.6%	96.2%	96.2%	96.7%	97.8%	98.2%	98.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness

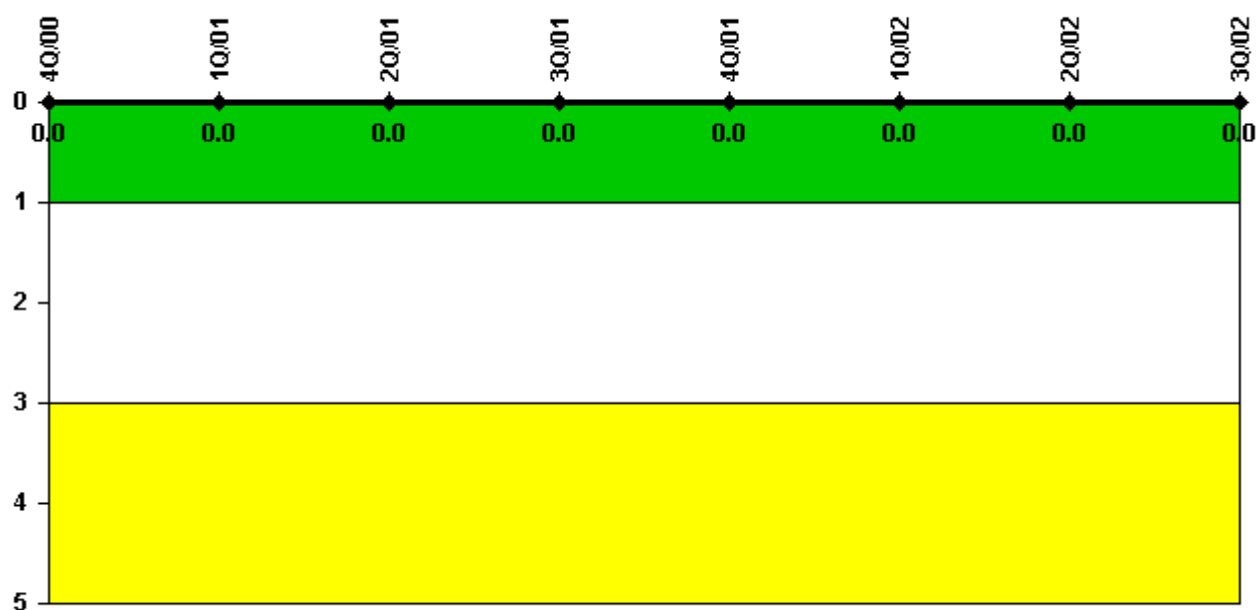


Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

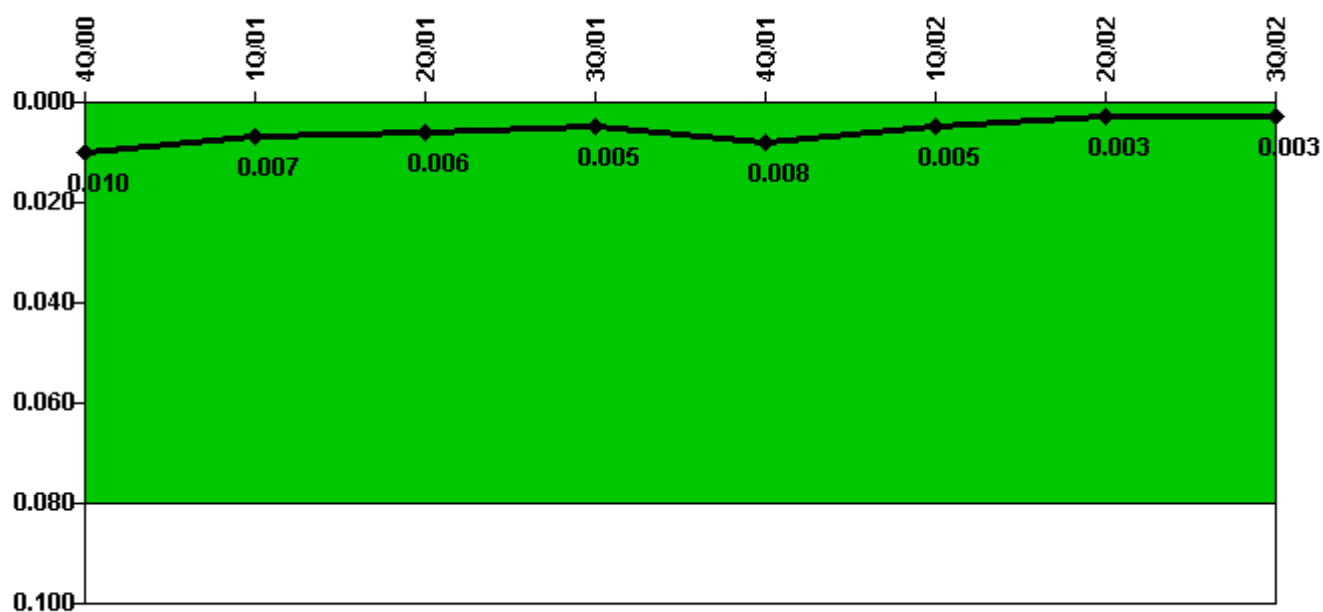
Notes

RETS/ODCM Radiological Effluent	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:

3Q/02:

Protected Area Security Performance Index



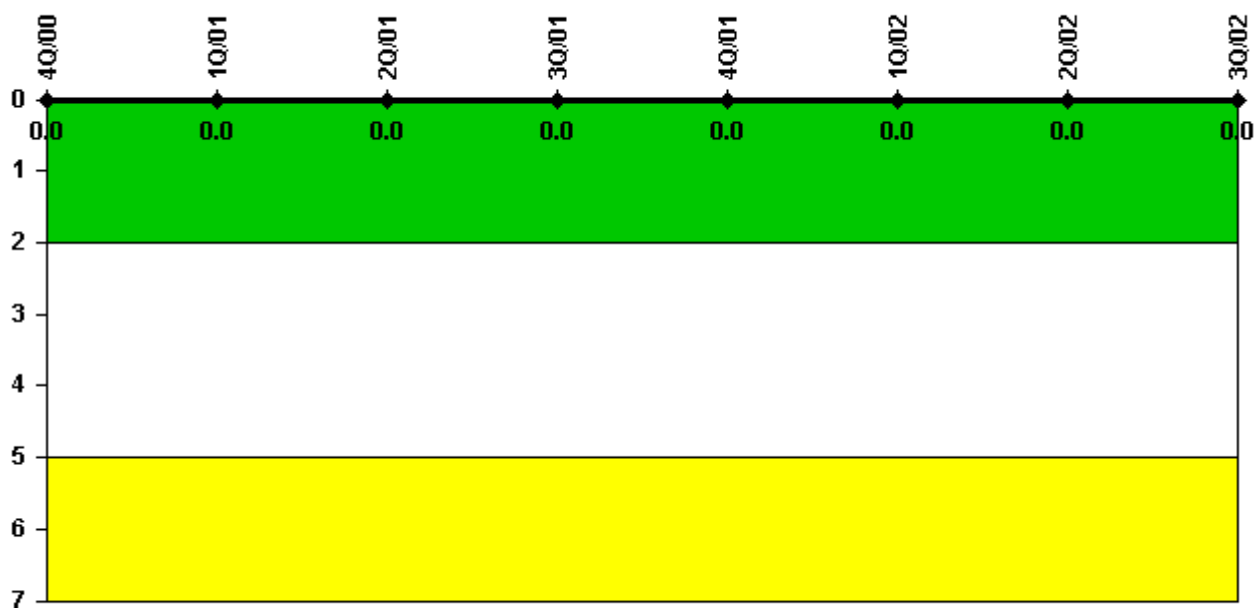
Thresholds: White > 0.080

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	0	9.20	58.10	12.10	93.50	20.00	5.10	2.10
CCTV compensatory hours	0.5	57.3	3.8	0	2.5	0	0	0
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.010	0.007	0.006	0.005	0.008	0.005	0.003	0.003

Licensee Comments: none

Personnel Screening Program



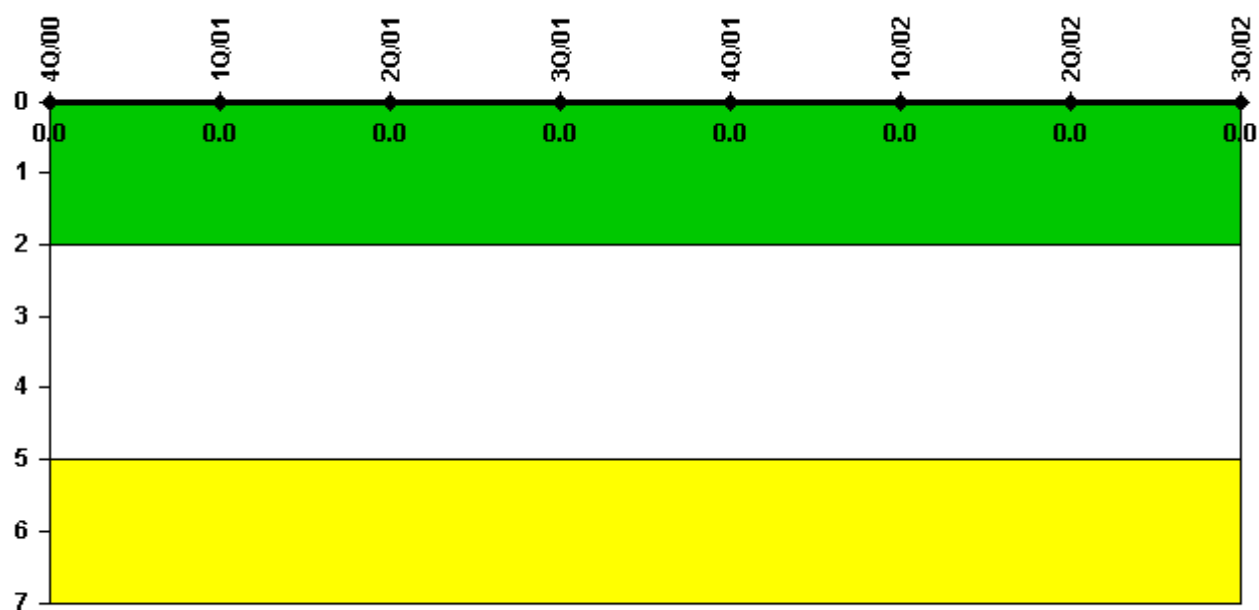
Thresholds: White > 2.0 Yellow > 5.0

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](#)

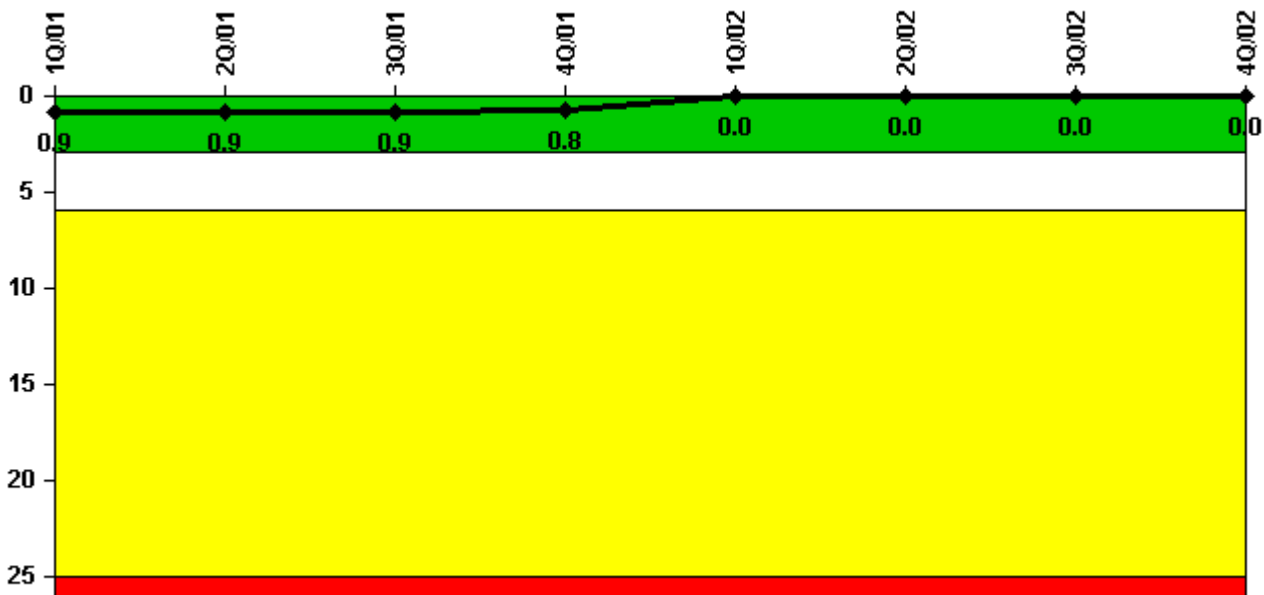
Last Modified: October 22, 2002

Catawba 1

4Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



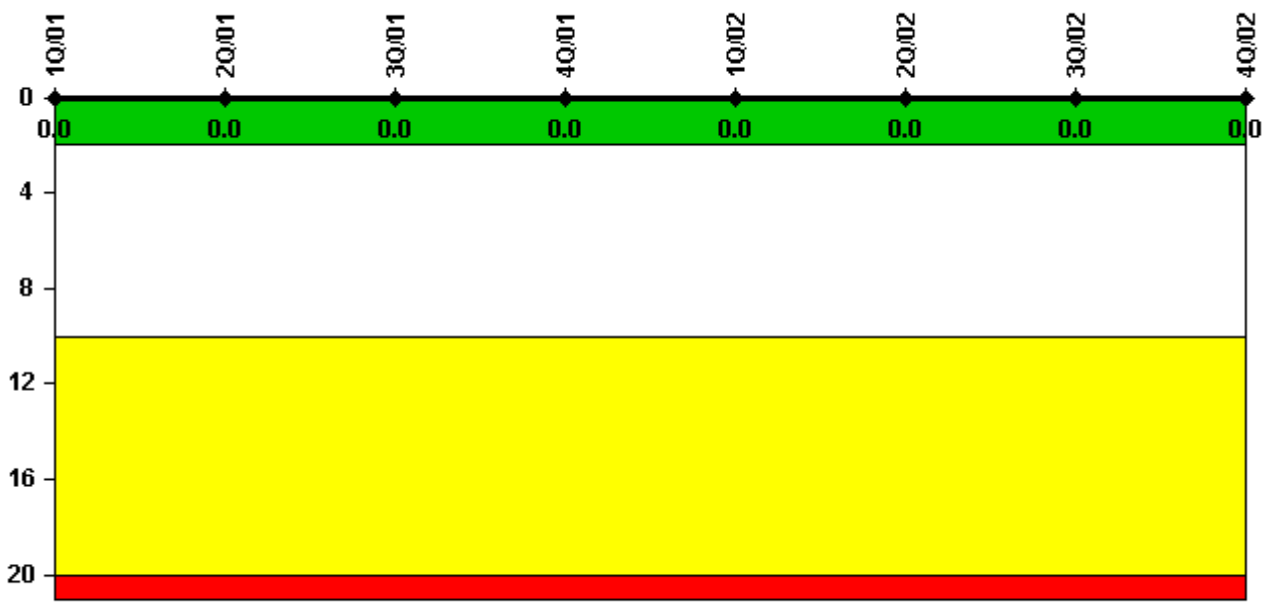
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	0
Critical hours	2128.9	2183.0	2208.0	2209.0	2160.0	1695.0	2208.0	2209.0
Indicator value	0.9	0.9	0.9	0.8	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



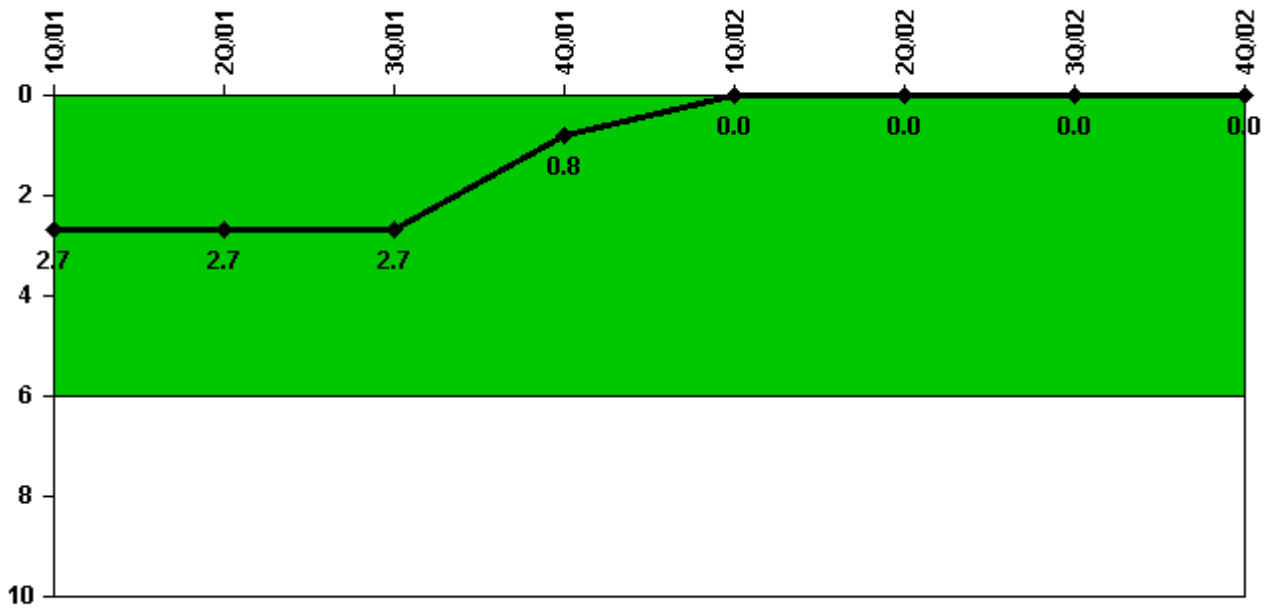
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



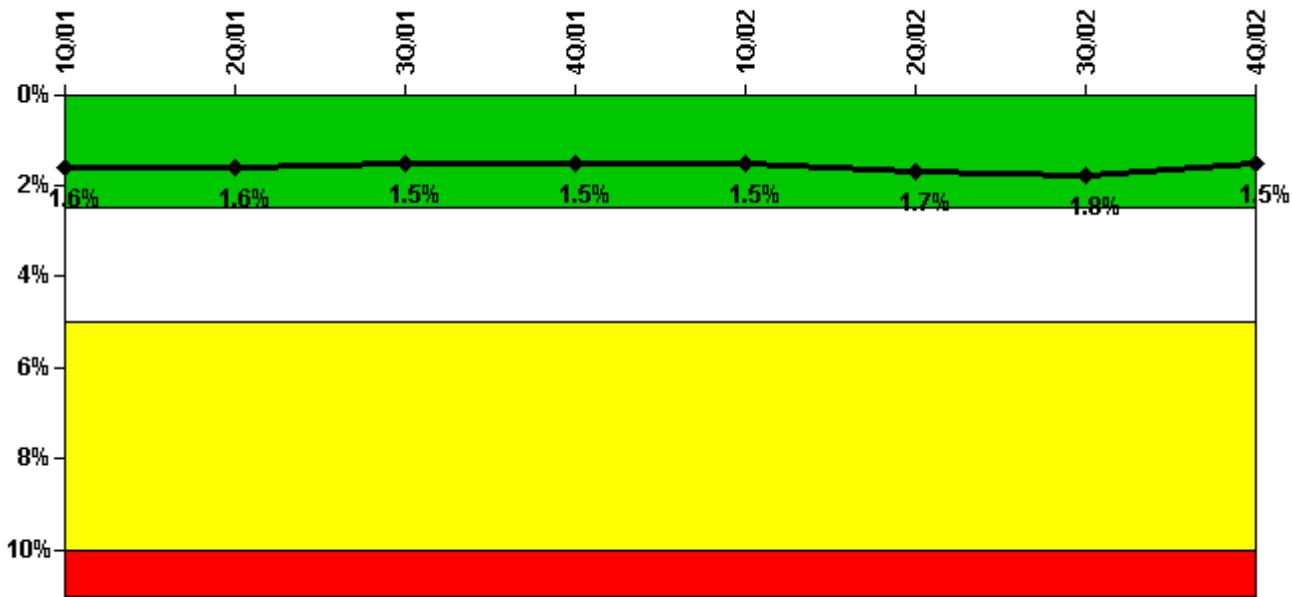
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2128.9	2183.0	2208.0	2209.0	2160.0	1695.0	2208.0	2209.0
Indicator value	2.7	2.7	2.7	0.8	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



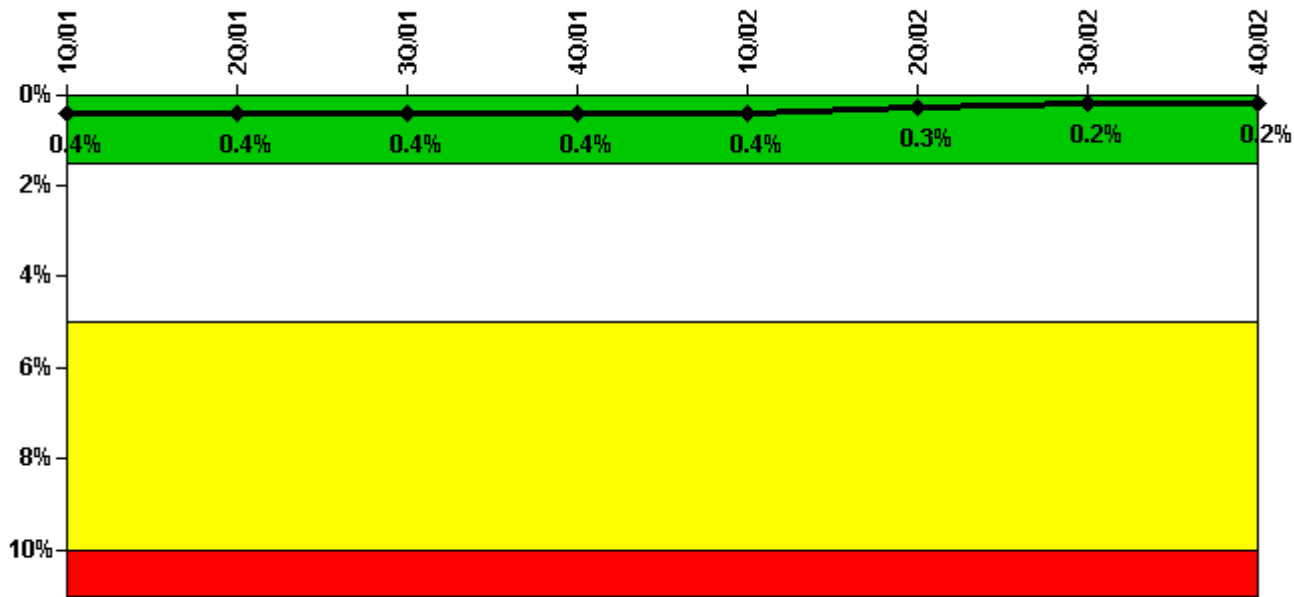
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	2.49	6.06	3.35	2.55	50.15	0	34.18	21.32
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	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.72	4.95	2.48	1.92	0	61.25	41.73	0
Unplanned unavailable hours	16.62	0	6.12	0	0	20.90	0	0
Fault exposure hours	333.20	0	0	0	0	85.35	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00
Indicator value	1.6%	1.6%	1.5%	1.5%	1.5%	1.7%	1.8%	1.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



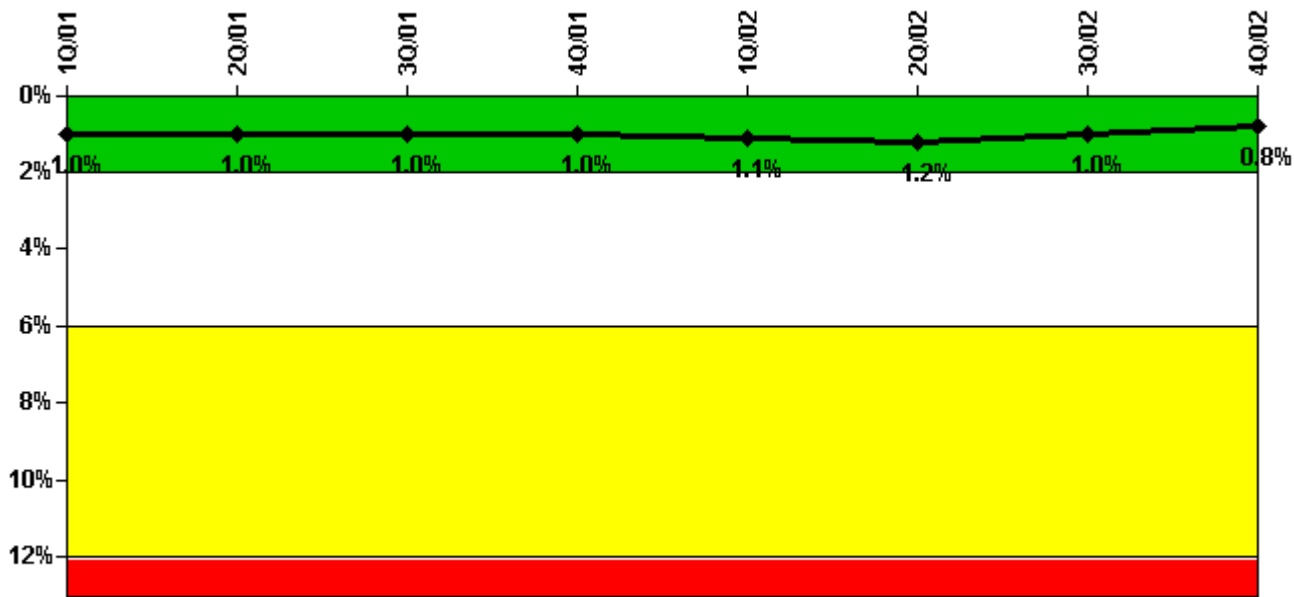
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	7.30	1.65	7.16	1.20	3.60	2.10	0	11.10
Unplanned unavailable hours	0	0	0	0	0	0.80	0	1.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00
Train 2								
Planned unavailable hours	4.00	6.70	25.55	2.38	5.60	13.20	3.30	8.60
Unplanned unavailable hours	0	0	0	0	0	0	0	1.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00
Train 3								
Planned unavailable hours	5.83	1.35	0.38	0	2.70	0	0	5.40
Unplanned unavailable hours	0	0	0	0	0	0.80	0	1.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00
Train 4								
Planned unavailable hours	0	0	0	10.08	3.50	13.20	0	5.10
Unplanned unavailable hours	0	0	0	0	0	0	0	1.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2105.72	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



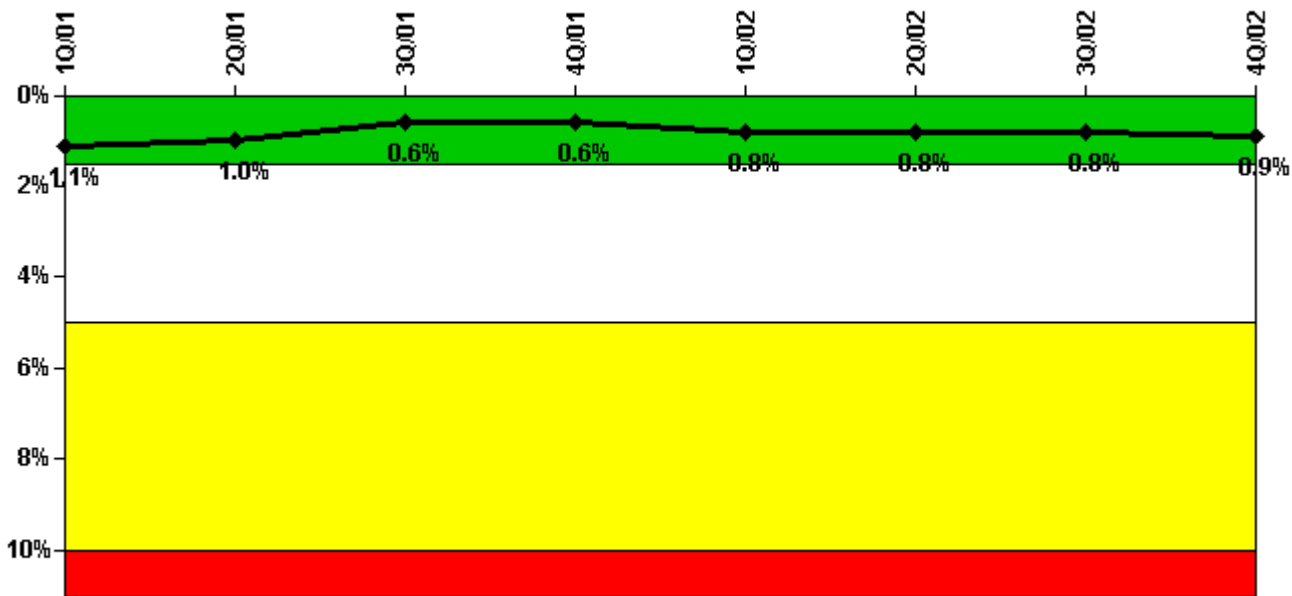
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	19.32	2.51	1.90	30.90	15.47	28.32	3.71
Unplanned unavailable hours	1.88	0	0	0	0	0.75	0	1.77
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2209.00	2160.00	1751.45	2208.00	2209.00
Train 2								
Planned unavailable hours	9.31	10.33	1.97	5.20	38.22	17.11	6.80	2.20
Unplanned unavailable hours	0	0	0	0	0	0	0	1.26
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	2184.00	2208.00	2209.00	2160.00	1751.45	2208.00	2209.00
Train 3								
Planned unavailable hours	12.05	9.10	9.48	18.94	21.32	3.52	26.78	12.10
Unplanned unavailable hours	0	0	0	23.52	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	2184.00	2208.00	2209.00	2160.00	1751.45	2208.00	2209.00
Indicator value	1.0%	1.0%	1.0%	1.0%	1.1%	1.2%	1.0%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



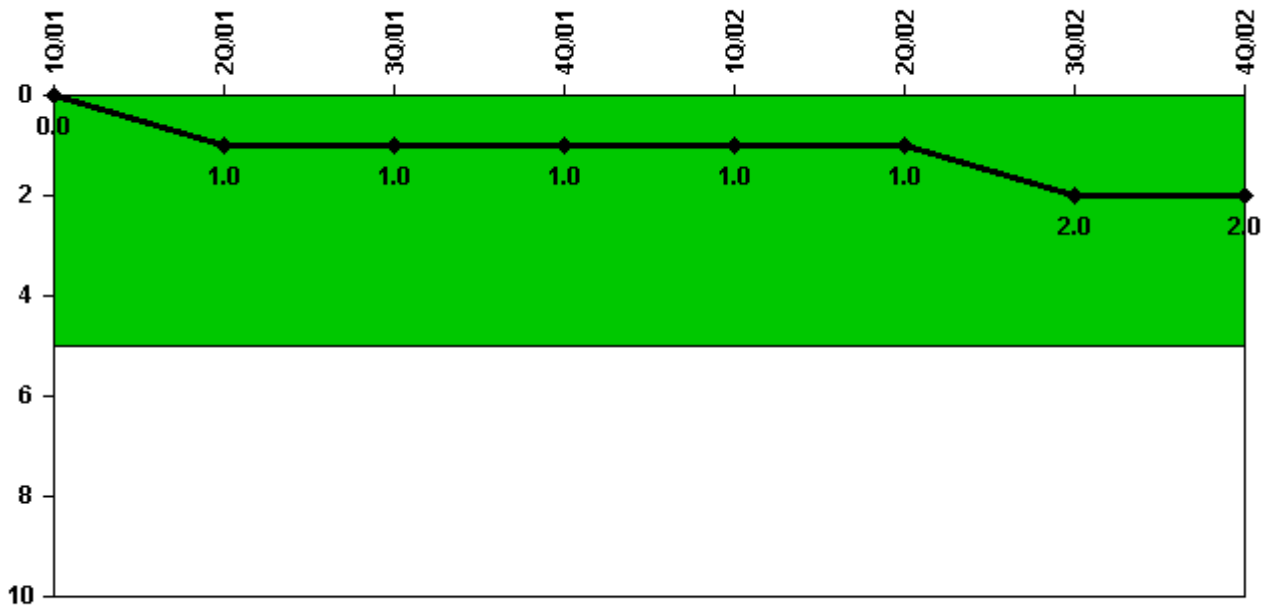
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	7.93	25.75	0.38	0	94.20	0	0	21.60
Unplanned unavailable hours	1.92	0	0	0	0	27.10	0	30.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.60	0	0.20	25.17	80.20	21.80	0	0
Unplanned unavailable hours	0	0	8.53	0	0	0	0	27.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.1%	1.0%	0.6%	0.6%	0.8%	0.8%	0.8%	0.9%

Licensee Comments: none

Safety System Functional Failures (PWR)



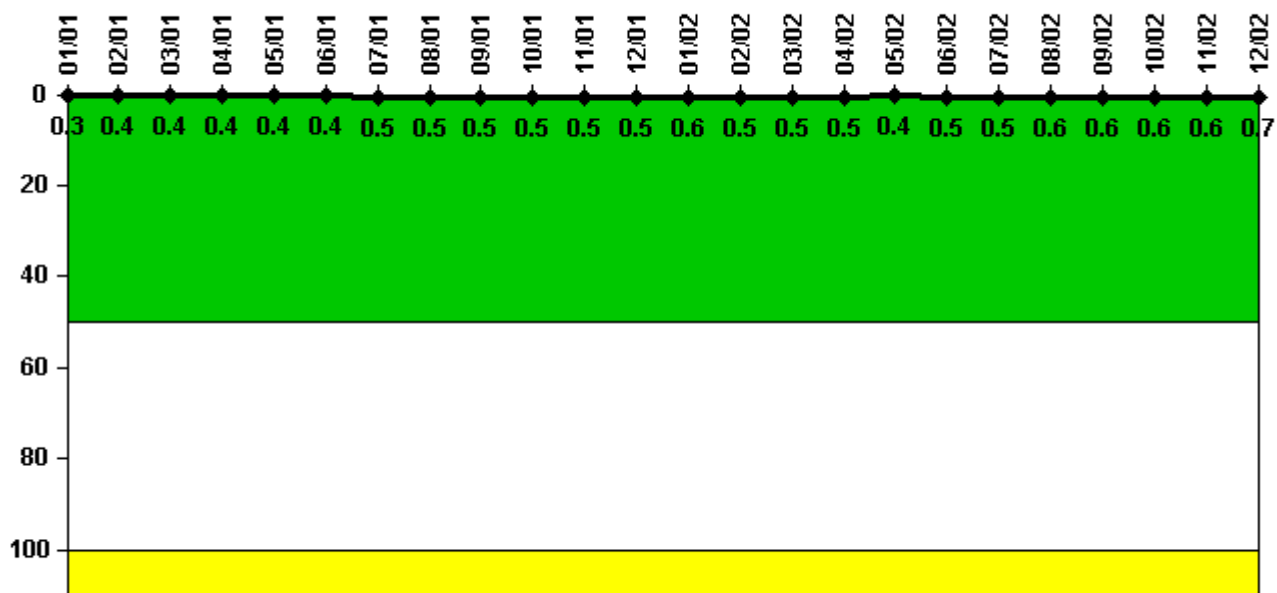
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

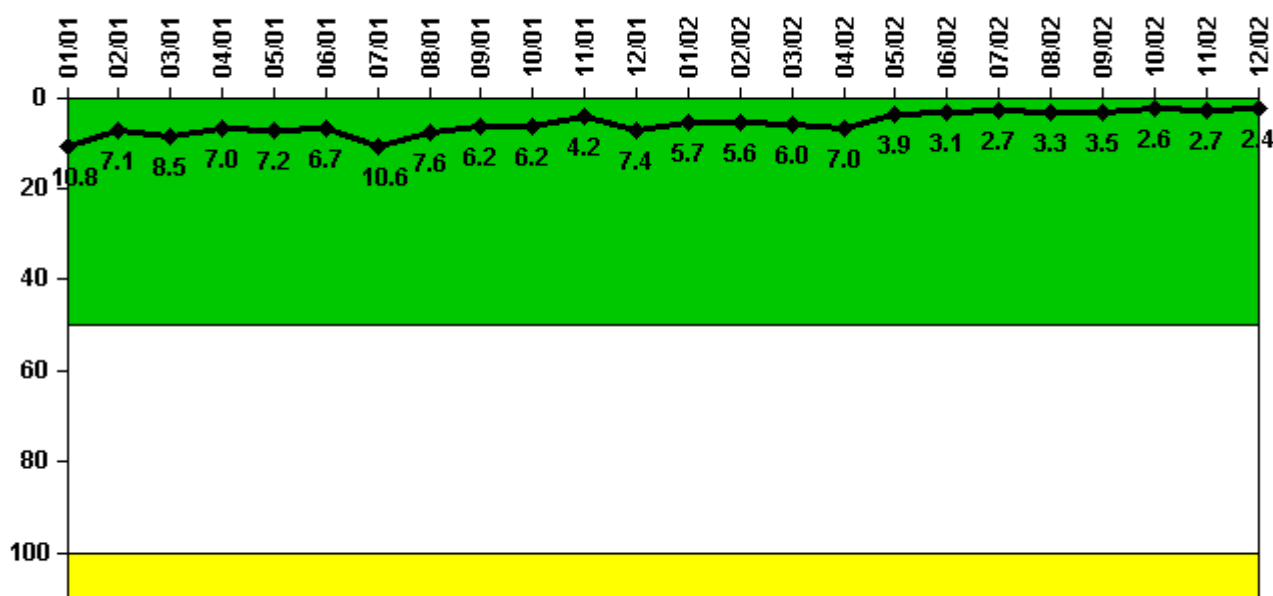
Notes

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000200	0.000233	0.000265	0.000245	0.000257	0.000258	0.000300	0.000300	0.000300	0.000311	0.000318	0.000336
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5

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	0.000389	0.000337	0.000335	0.000328	0.000241	0.000297	0.000320	0.000360	0.000380	0.000370	0.000410	0.000430
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.7

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

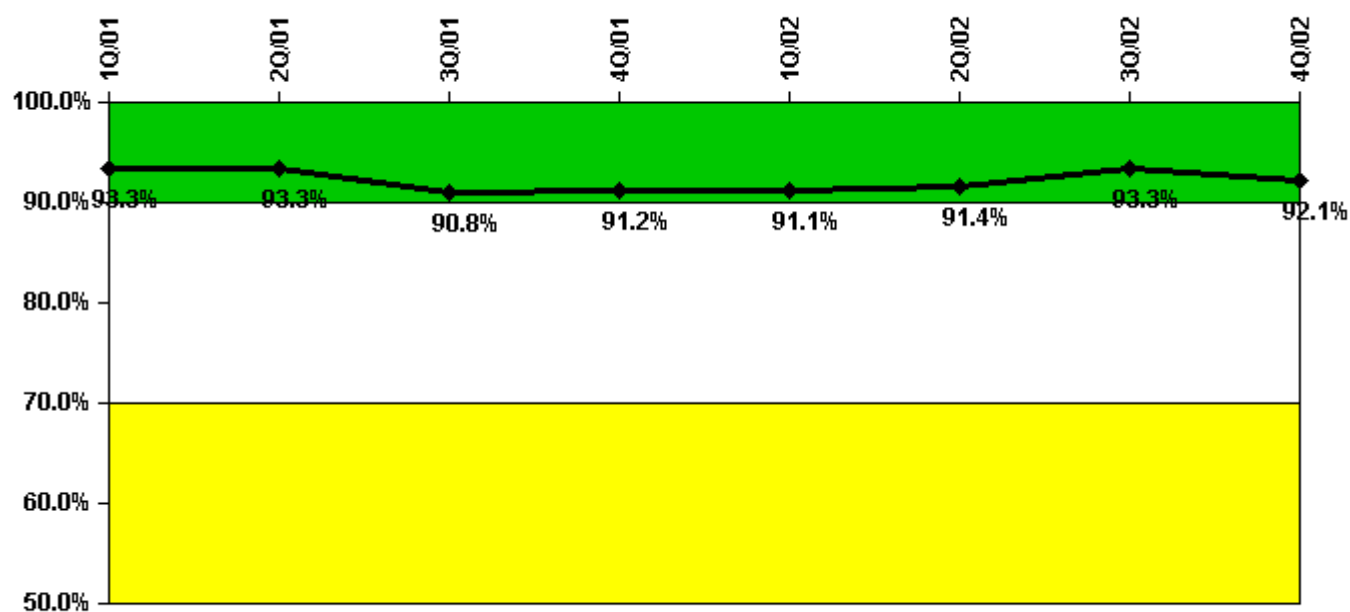
Notes

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	1.075	0.708	0.854	0.699	0.716	0.669	1.063	0.761	0.624	0.616	0.417	0.742
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	10.8	7.1	8.5	7.0	7.2	6.7	10.6	7.6	6.2	6.2	4.2	7.4

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.569	0.563	0.598	0.698	0.385	0.310	0.270	0.330	0.350	0.256	0.274	0.240
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	5.7	5.6	6.0	7.0	3.9	3.1	2.7	3.3	3.5	2.6	2.7	2.4

Licensee Comments: none

Drill/Exercise Performance



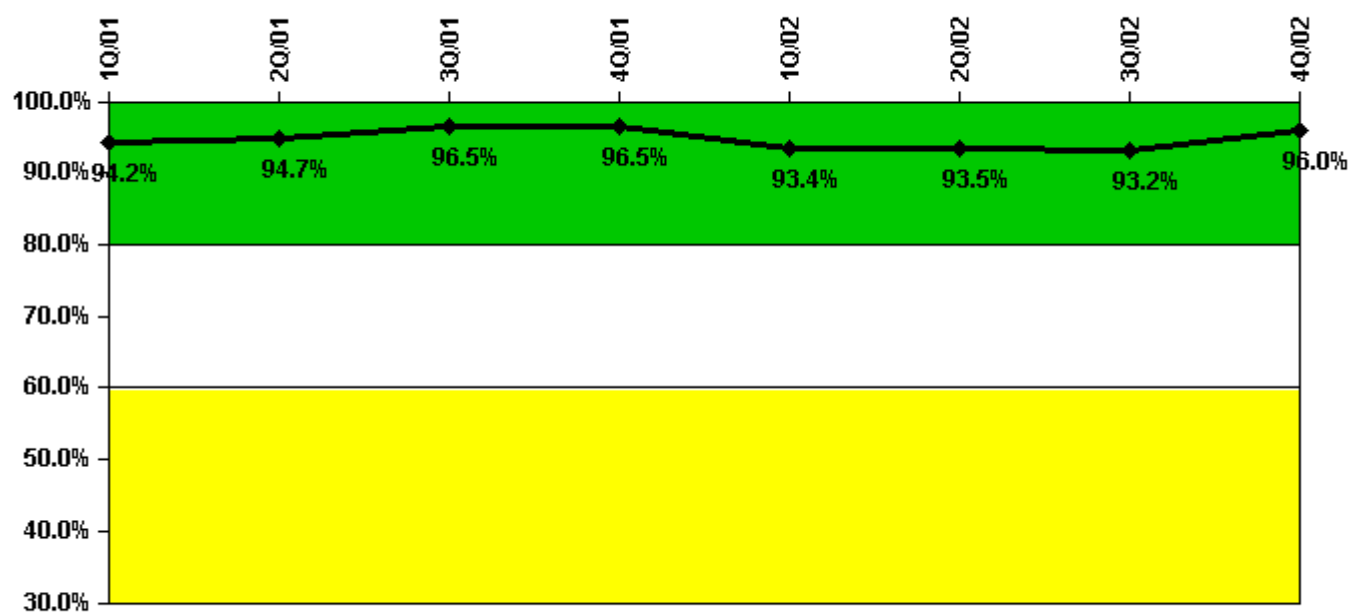
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	2.0	7.0	111.0	12.0	16.0	8.0	71.0	40.0
Total opportunities	2.0	7.0	125.0	12.0	16.0	8.0	74.0	46.0
Indicator value	93.3%	93.3%	90.8%	91.2%	91.1%	91.4%	93.3%	92.1%

Licensee Comments: none

ERO Drill Participation



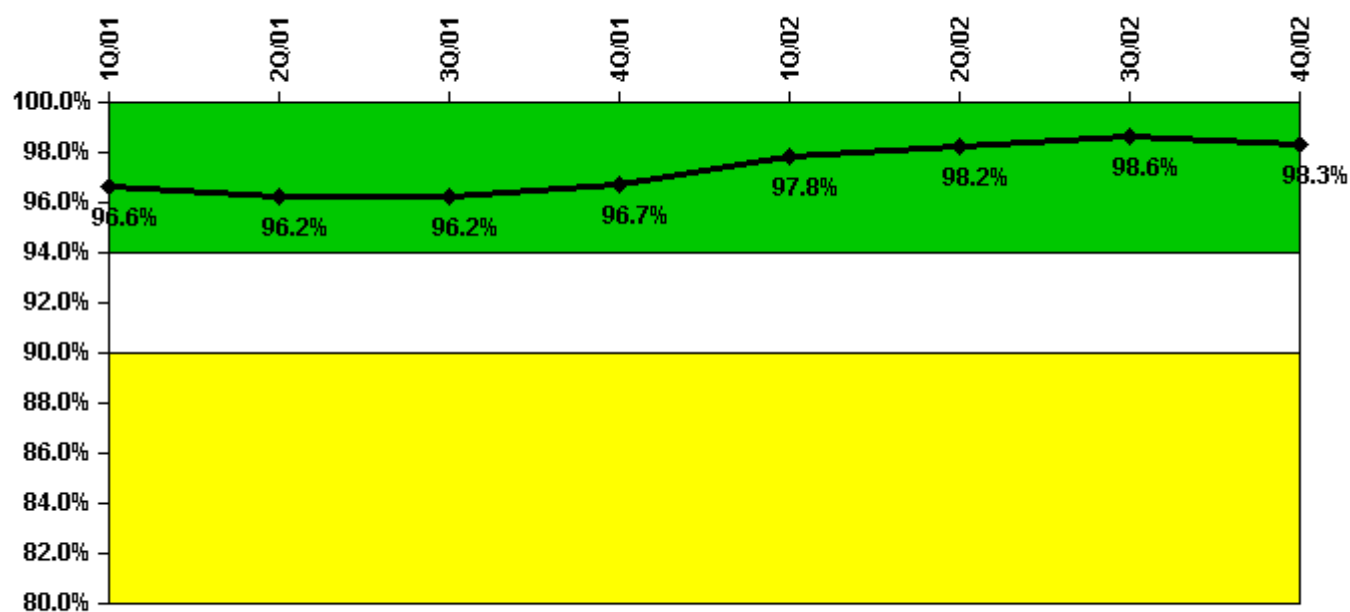
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	179.0	178.0	192.0	191.0	184.0	186.0	177.0	192.0
Total Key personnel	190.0	188.0	199.0	198.0	197.0	199.0	190.0	200.0
Indicator value	94.2%	94.7%	96.5%	96.5%	93.4%	93.5%	93.2%	96.0%

Licensee Comments: none

Alert & Notification System



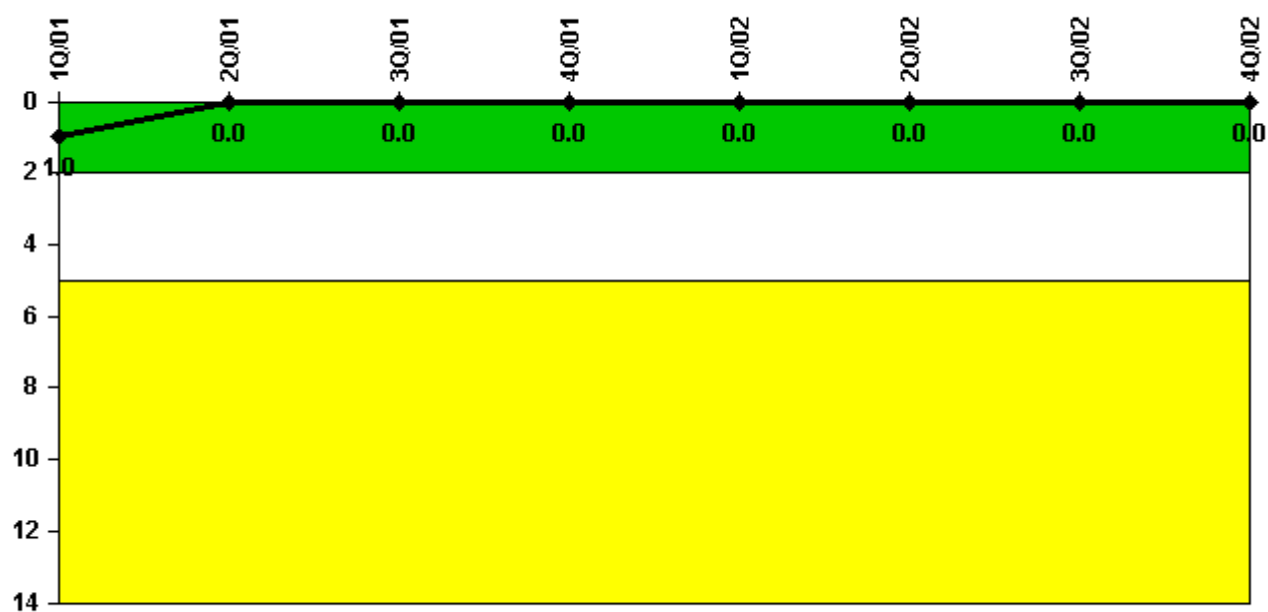
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	2135	2293	2208	2162	2337	2253	2251	2248
Total sirens-tests	2276	2363	2275	2186	2375	2288	2281	2302
Indicator value	96.6%	96.2%	96.2%	96.7%	97.8%	98.2%	98.6%	98.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness

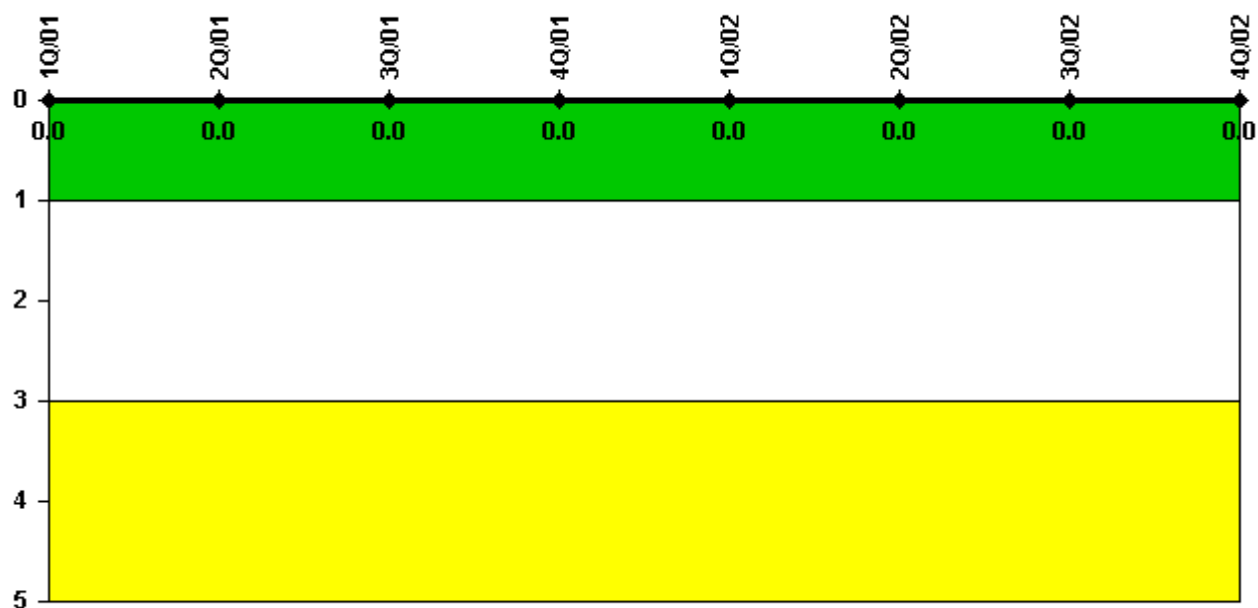


Thresholds: White > 2.0 Yellow > 5.0

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	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

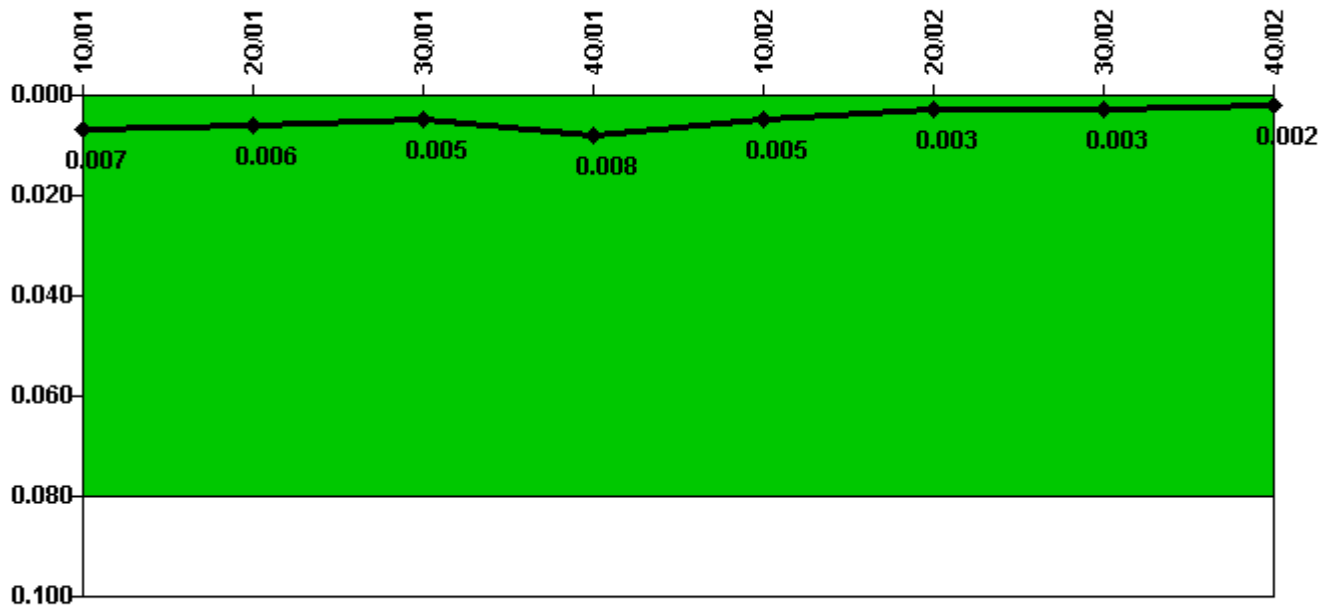
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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



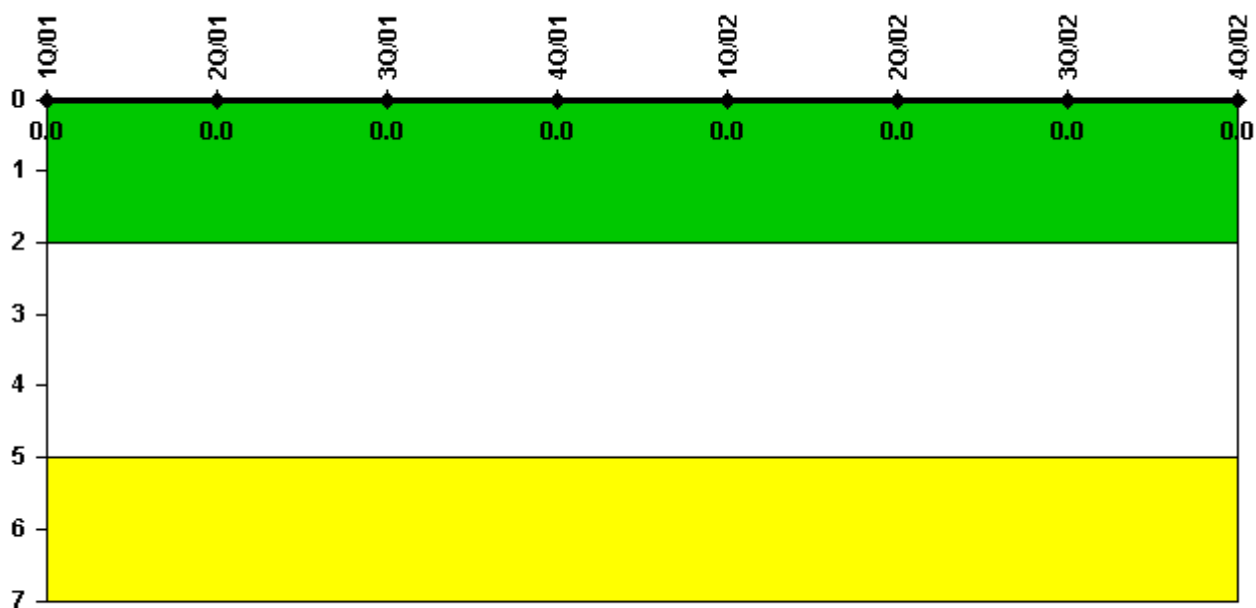
Thresholds: White > 0.080

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	9.20	58.10	12.10	93.50	20.00	5.10	2.10	62.30
CCTV compensatory hours	57.3	3.8	0	2.5	0	0	0	0
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.007	0.006	0.005	0.008	0.005	0.003	0.003	0.002

Licensee Comments: none

Personnel Screening Program



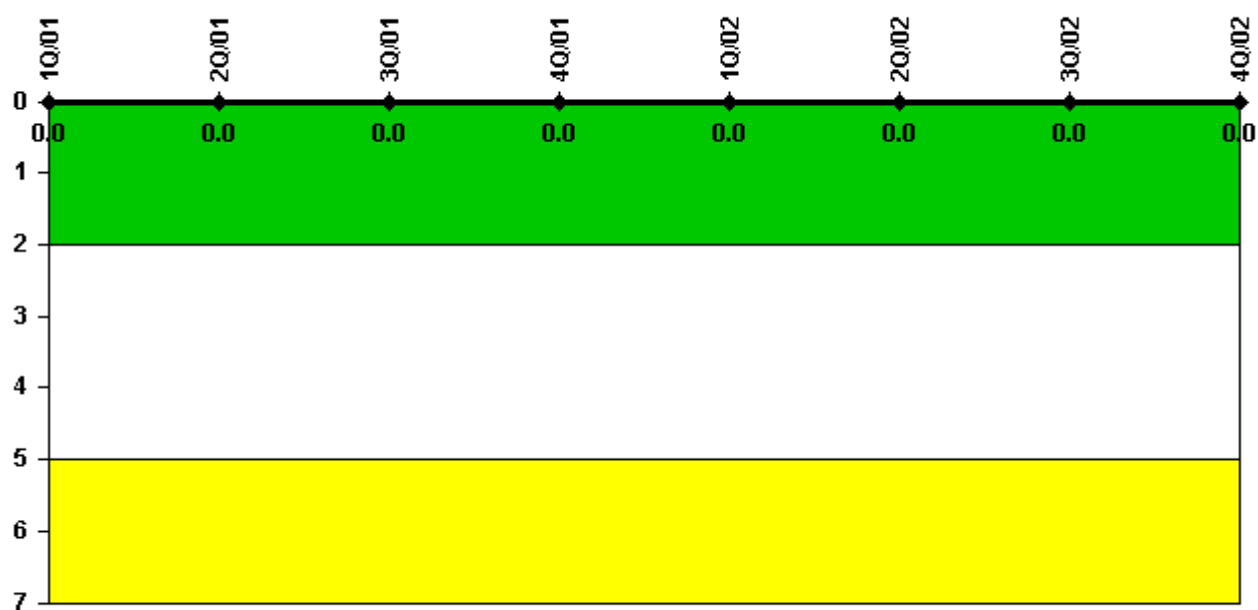
Thresholds: White > 2.0 Yellow > 5.0

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](#)

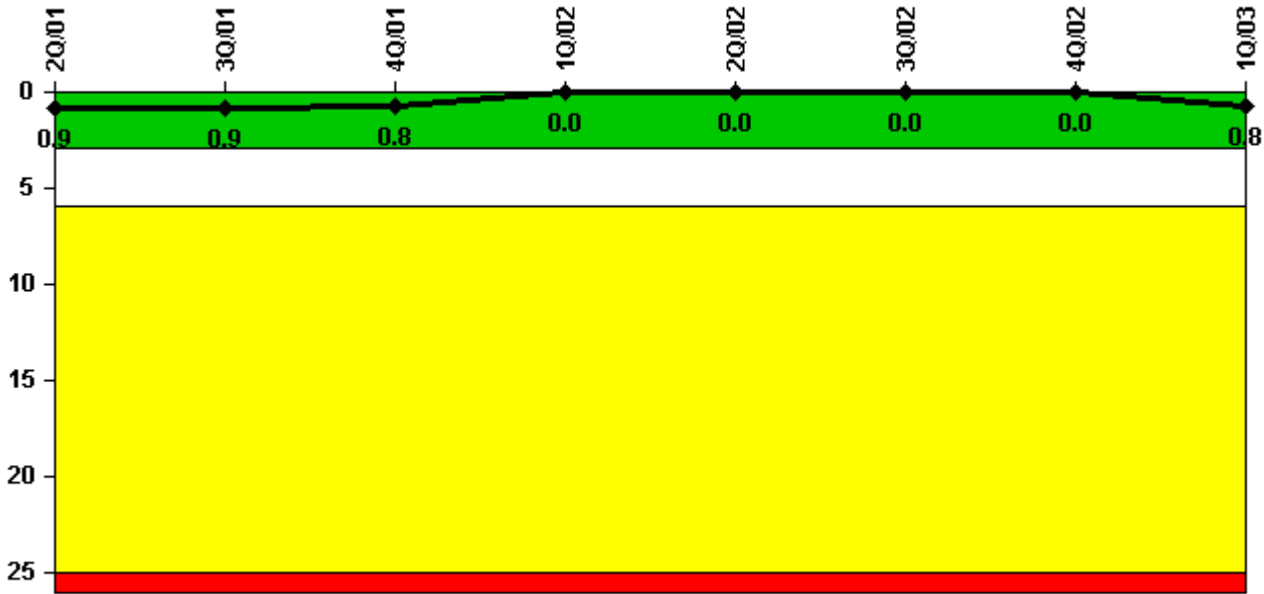
Last Modified: January 30, 2003

Catawba 1

1Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2183.0	2208.0	2209.0	2160.0	1695.0	2208.0	2209.0	2129.0
Indicator value	0.9	0.9	0.8	0	0	0	0	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



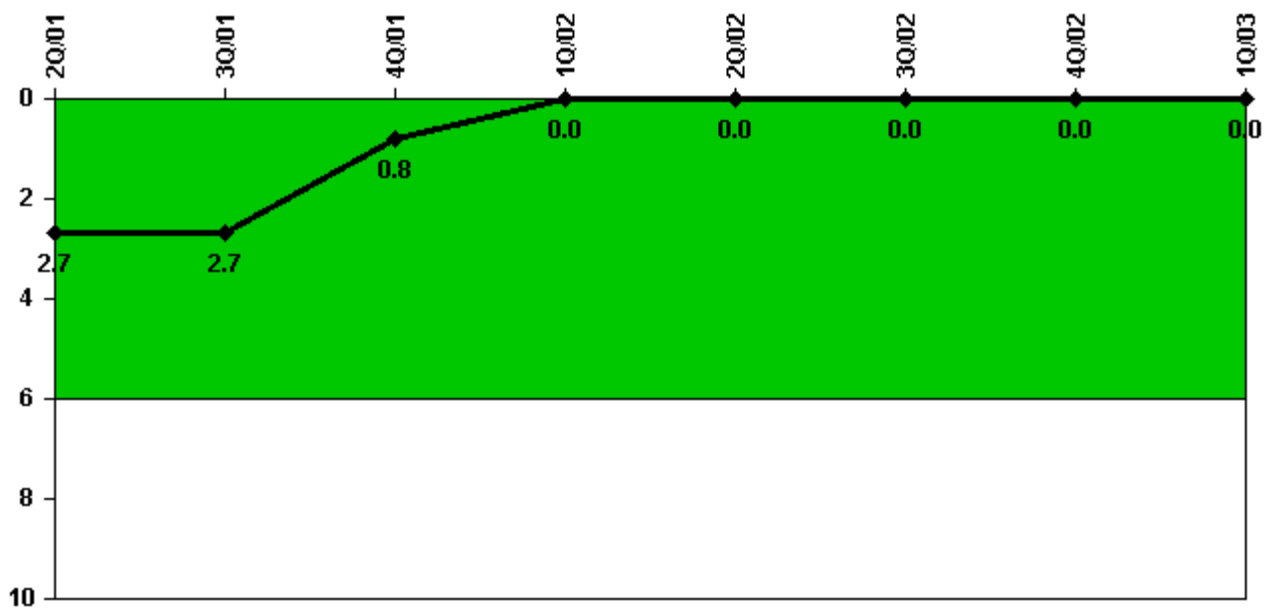
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



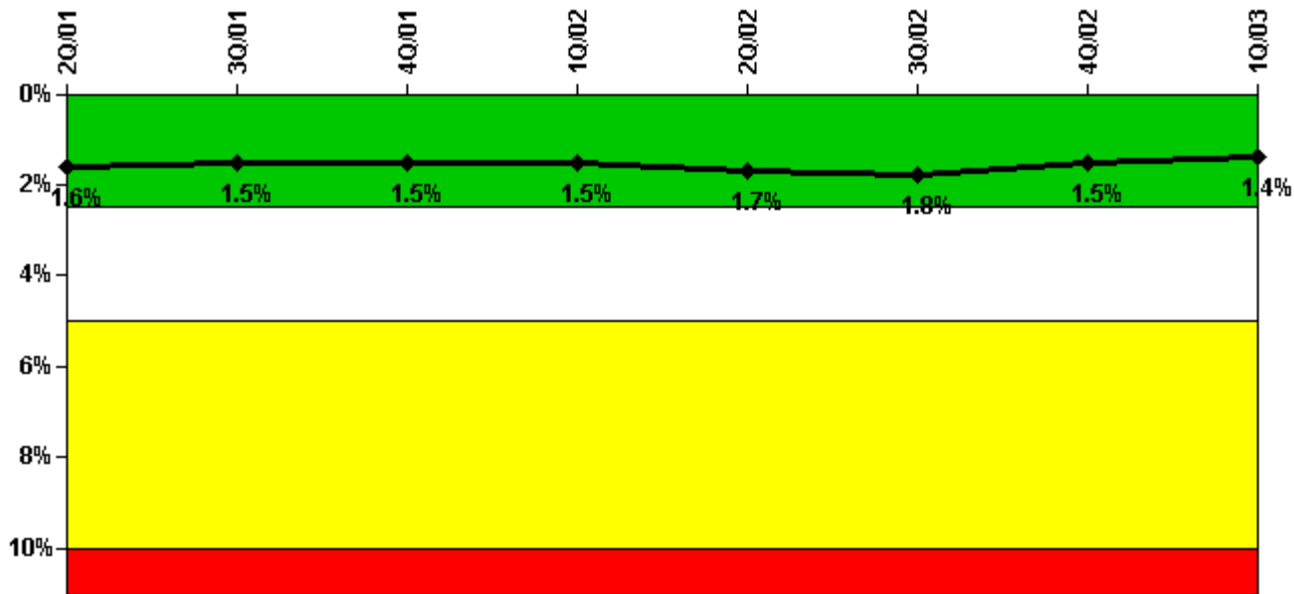
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1695.0	2208.0	2209.0	2129.0
Indicator value	2.7	2.7	0.8	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



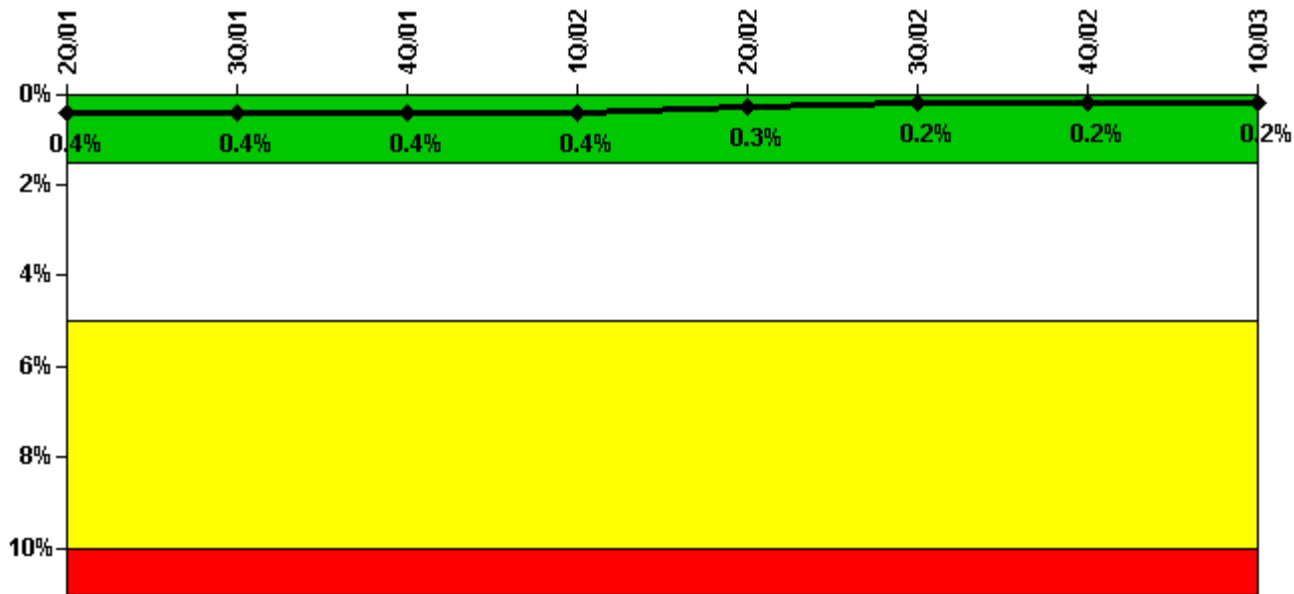
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	6.06	3.35	2.55	50.15	0	34.18	21.32	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	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	4.95	2.48	1.92	0	61.25	41.73	0	0
Unplanned unavailable hours	0	6.12	0	0	20.90	0	0	0
Fault exposure hours	0	0	0	0	85.35	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00
Indicator value	1.6%	1.5%	1.5%	1.5%	1.7%	1.8%	1.5%	1.4%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

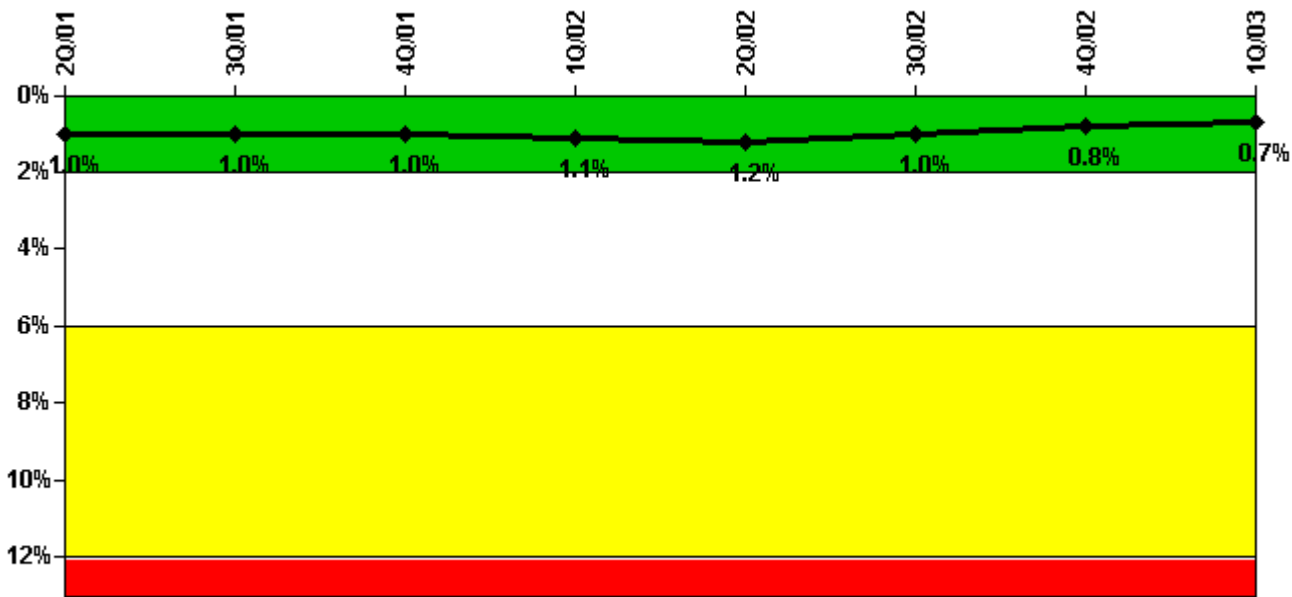
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	1.65	7.16	1.20	3.60	2.10	0	11.10	0
Unplanned unavailable hours	0	0	0	0	0.80	0	1.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00
Train 2								
Planned unavailable hours	6.70	25.55	2.38	5.60	13.20	3.30	8.60	0
Unplanned unavailable hours	0	0	0	0	0	0	1.30	3.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00
Train 3								
Planned unavailable hours	1.35	0.38	0	2.70	0	0	5.40	0
Unplanned unavailable hours	0	0	0	0	0.80	0	1.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00
Train 4								
Planned unavailable hours	0	0	10.08	3.50	13.20	0	5.10	0
Unplanned unavailable hours	0	0	0	0	0	0	1.30	3.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2184.00	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

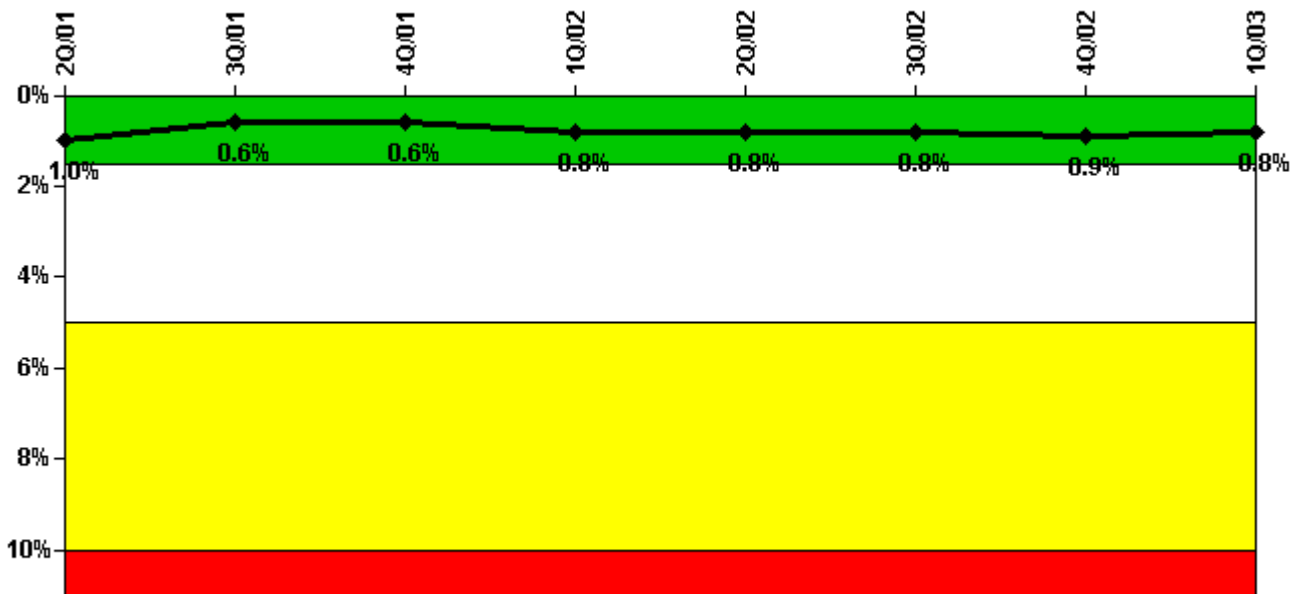
Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	19.32	2.51	1.90	30.90	15.47	28.32	3.71	4.12
Unplanned unavailable hours	0	0	0	0	0.75	0	1.77	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	1751.45	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	10.33	1.97	5.20	38.22	17.11	6.80	2.20	0.50
Unplanned unavailable hours	0	0	0	0	0	0	1.26	3.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	1751.45	2208.00	2209.00	2160.00
Train 3								

Planned unavailable hours	9.10	9.48	18.94	21.32	3.52	26.78	12.10	31.09
Unplanned unavailable hours	0	0	23.52	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	2208.00	2209.00	2160.00	1751.45	2208.00	2209.00	2160.00
Indicator value	1.0%	1.0%	1.0%	1.1%	1.2%	1.0%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

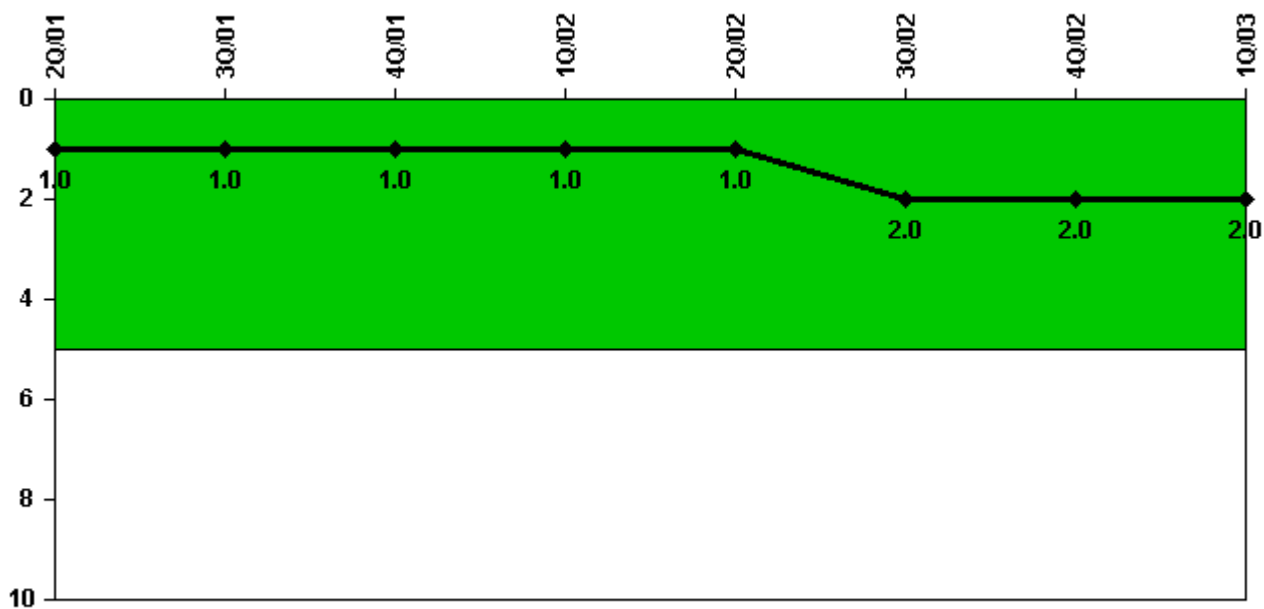
Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	25.75	0.38	0	94.20	0	0	21.60	0
Unplanned unavailable hours	0	0	0	0	27.10	0	30.60	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	0.20	25.17	80.20	21.80	0	0	0
Unplanned unavailable hours	0	8.53	0	0	0	0	27.50	11.80

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.0%	0.6%	0.6%	0.8%	0.8%	0.8%	0.9%	0.8%

Licensee Comments: none

Safety System Functional Failures (PWR)



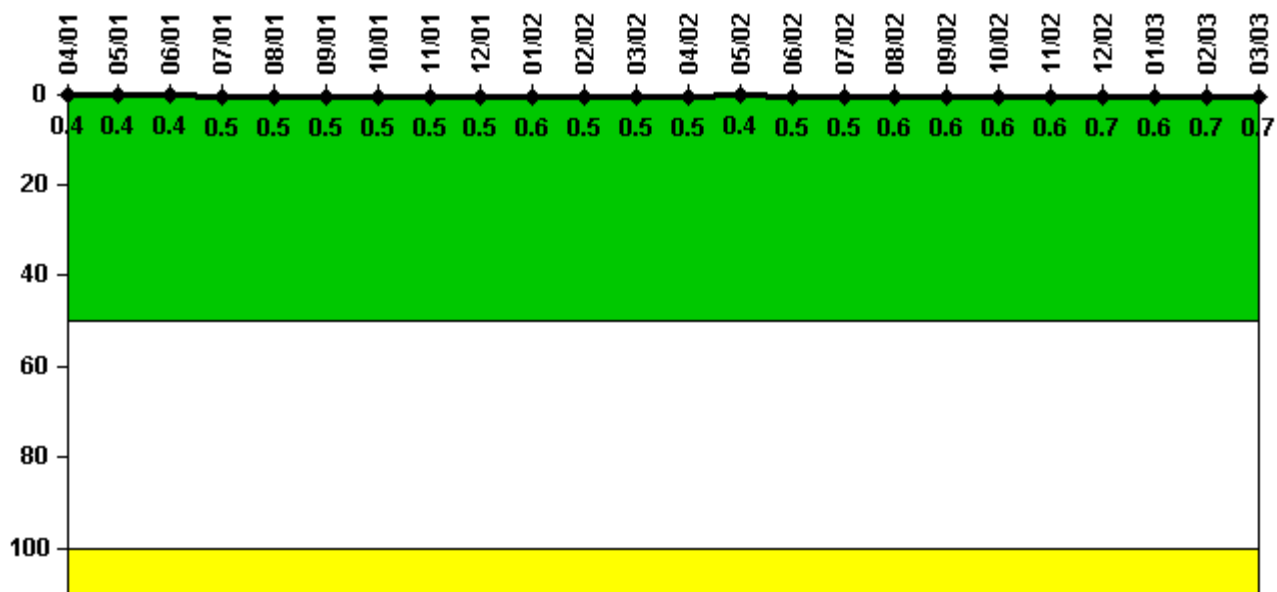
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

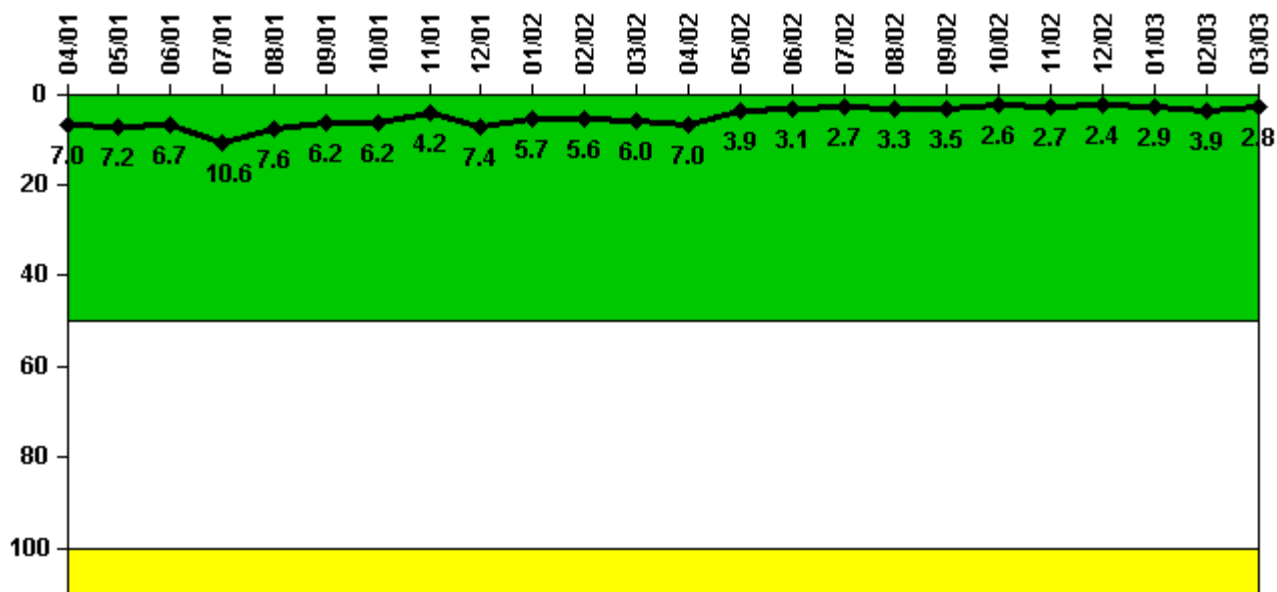
Notes

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000245	0.000257	0.000258	0.000300	0.000300	0.000300	0.000311	0.000318	0.000336	0.000389	0.000337	0.000335
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5

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	0.000328	0.000241	0.000297	0.000320	0.000360	0.000380	0.000370	0.000410	0.000430	0.000410	0.000440	0.000445
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

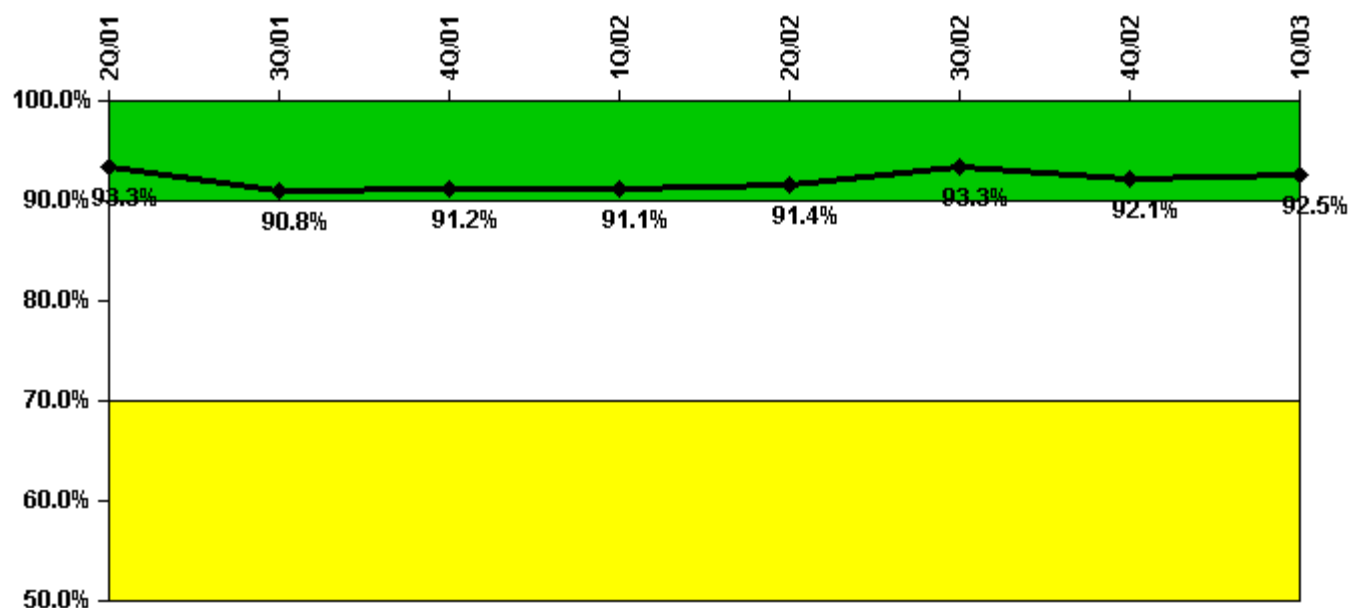
Notes

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	0.699	0.716	0.669	1.063	0.761	0.624	0.616	0.417	0.742	0.569	0.563	0.598
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	7.0	7.2	6.7	10.6	7.6	6.2	6.2	4.2	7.4	5.7	5.6	6.0

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	0.698	0.385	0.310	0.270	0.330	0.350	0.256	0.274	0.240	0.290	0.389	0.284
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	7.0	3.9	3.1	2.7	3.3	3.5	2.6	2.7	2.4	2.9	3.9	2.8

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

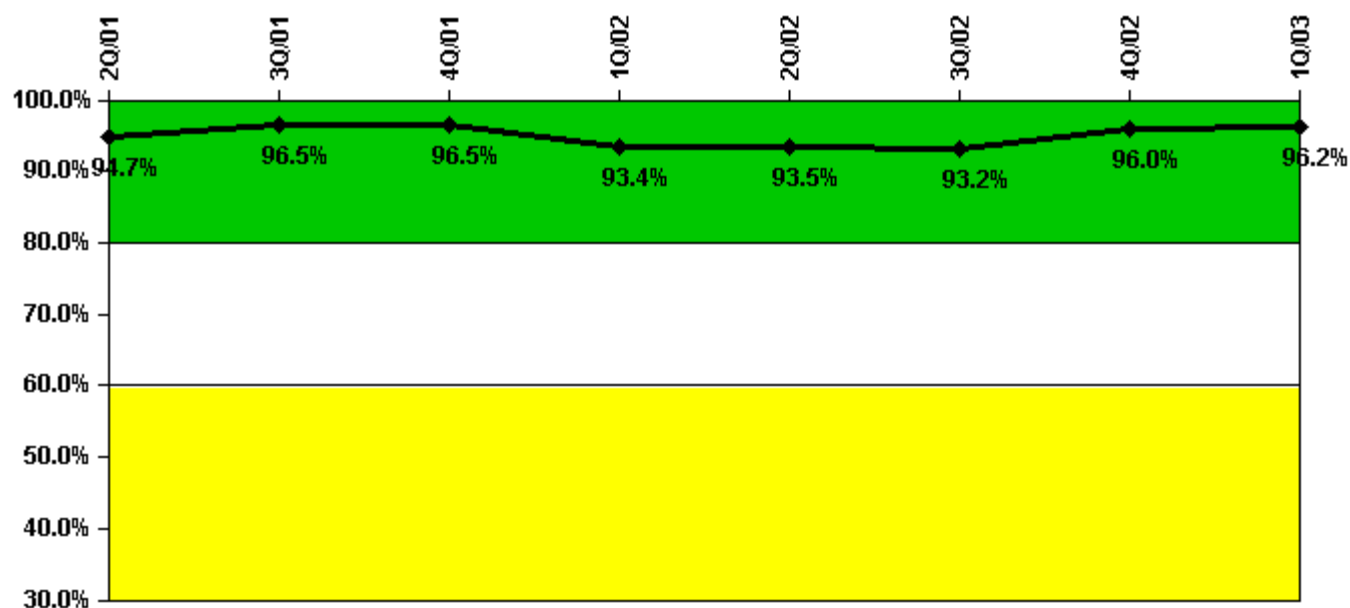
Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	7.0	111.0	12.0	16.0	8.0	71.0	40.0	18.0
Total opportunities	7.0	125.0	12.0	16.0	8.0	74.0	46.0	18.0
Indicator value	93.3%	90.8%	91.2%	91.1%	91.4%	93.3%	92.1%	92.5%

Licensee Comments:

1Q/03:

ERO Drill Participation



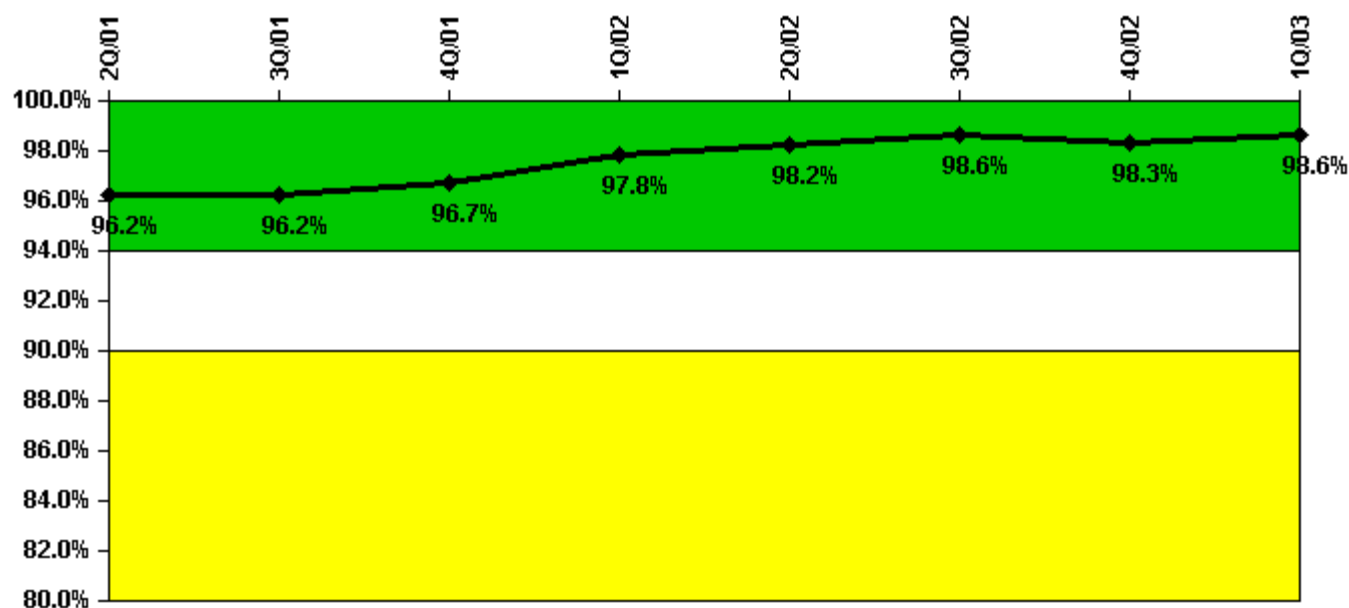
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	178.0	192.0	191.0	184.0	186.0	177.0	192.0	177.0
Total Key personnel	188.0	199.0	198.0	197.0	199.0	190.0	200.0	184.0
Indicator value	94.7%	96.5%	96.5%	93.4%	93.5%	93.2%	96.0%	96.2%

Licensee Comments: none

Alert & Notification System



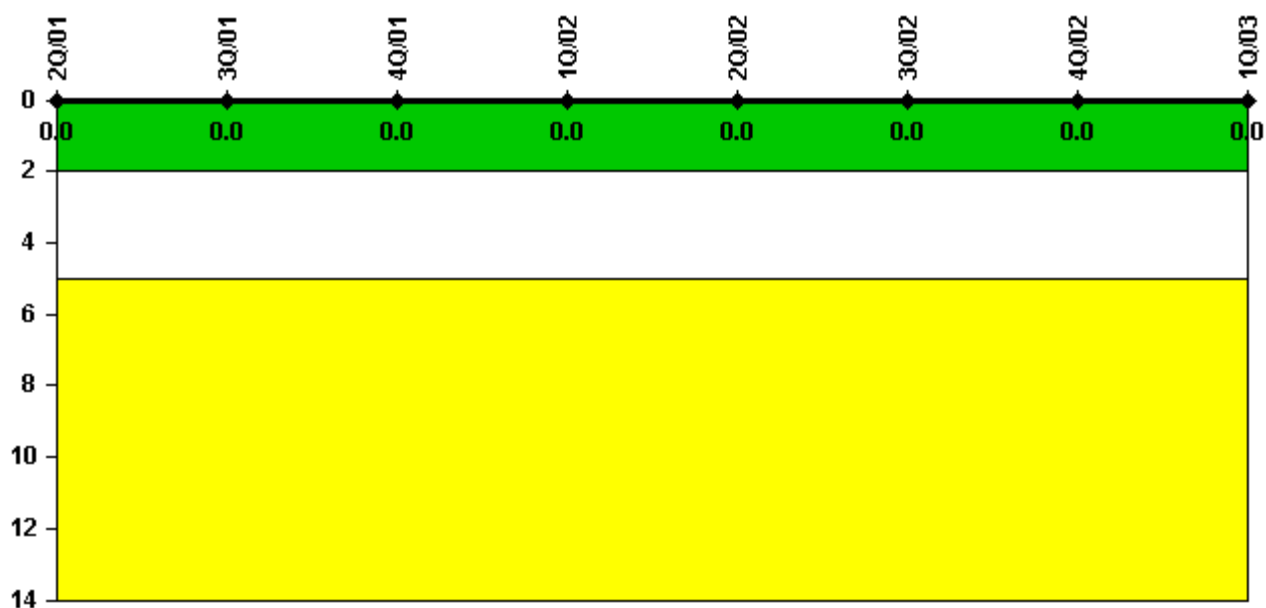
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	2293	2208	2162	2337	2253	2251	2248	2220
Total sirens-tests	2363	2275	2186	2375	2288	2281	2302	2225
Indicator value	96.2%	96.2%	96.7%	97.8%	98.2%	98.6%	98.3%	98.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness

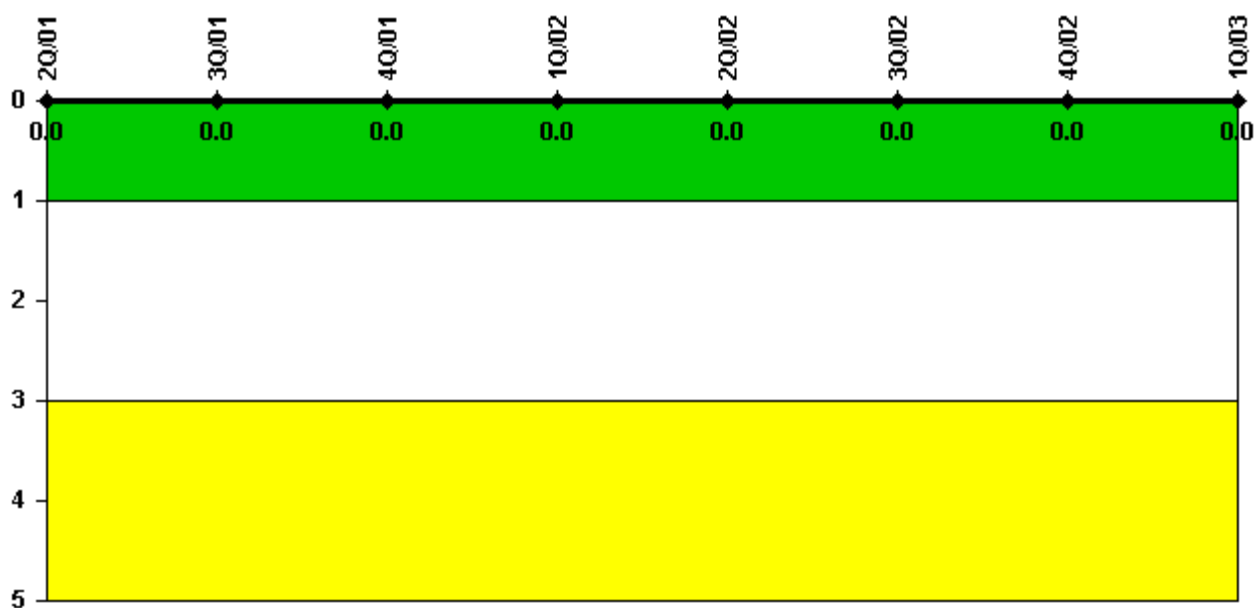


Thresholds: White > 2.0 Yellow > 5.0

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	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent

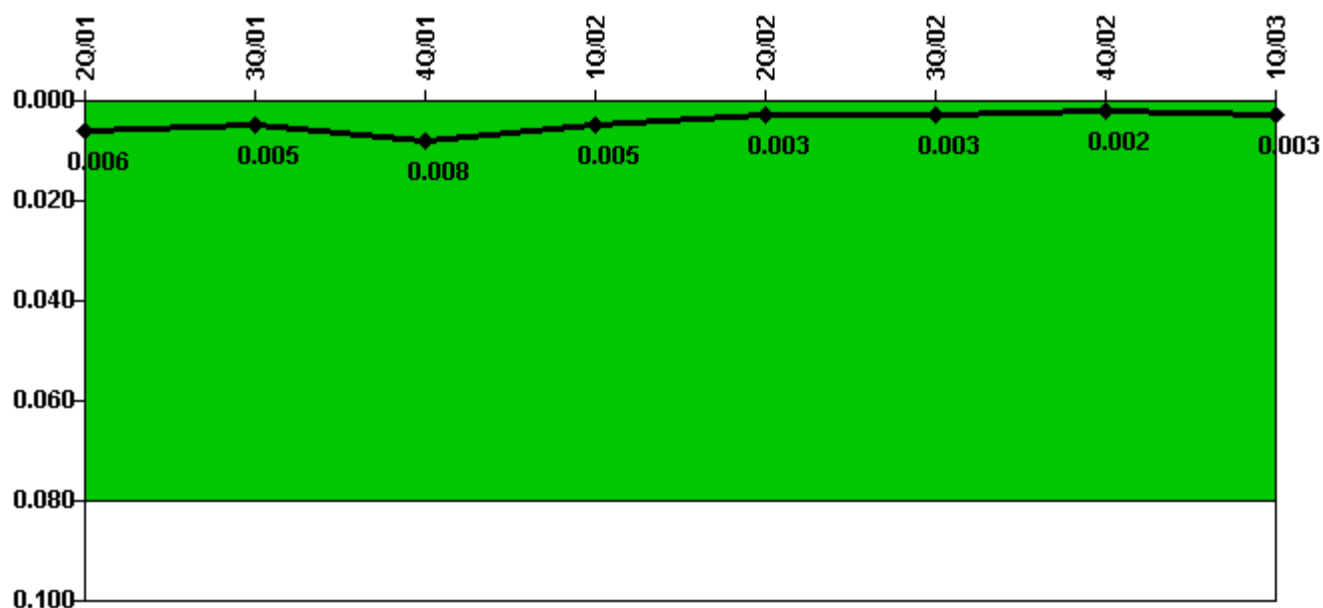
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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



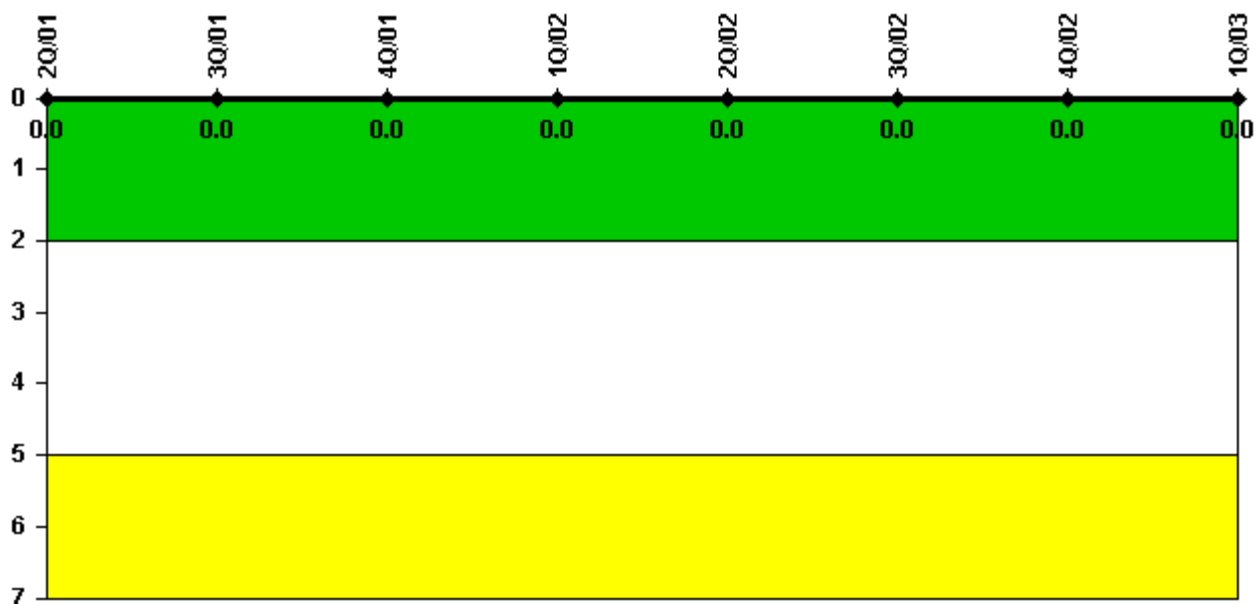
Thresholds: White > 0.080

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	58.10	12.10	93.50	20.00	5.10	2.10	62.30	29.00
CCTV compensatory hours	3.8	0	2.5	0	0	0	0	3.6
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.006	0.005	0.008	0.005	0.003	0.003	0.002	0.003

Licensee Comments: none

Personnel Screening Program



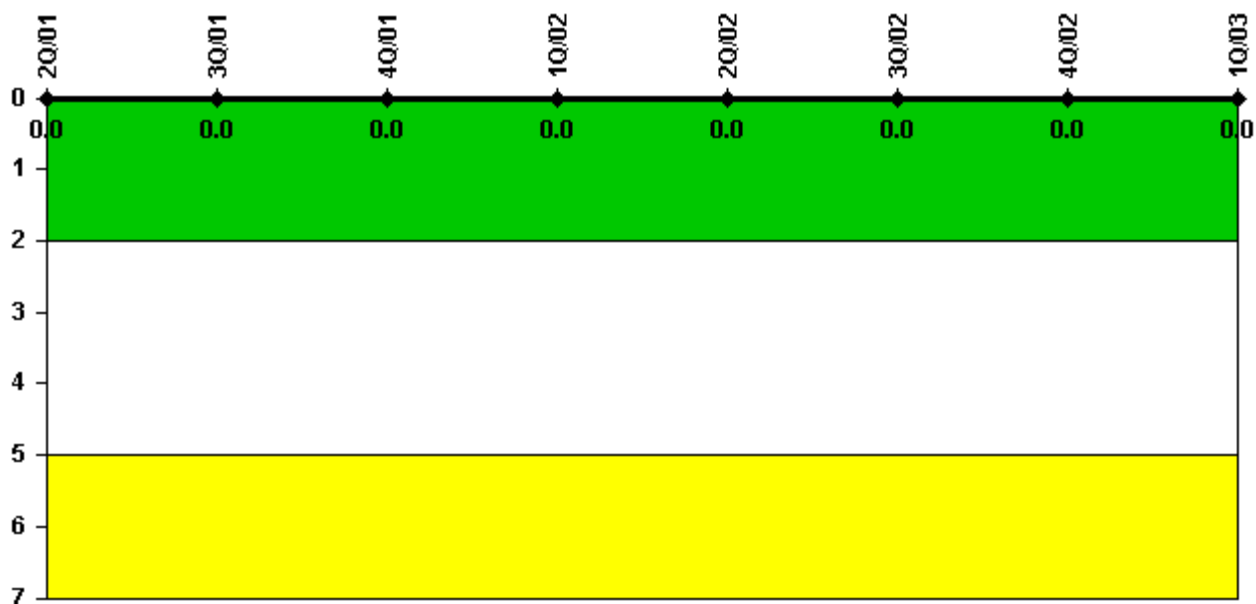
Thresholds: White > 2.0 Yellow > 5.0

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](#)

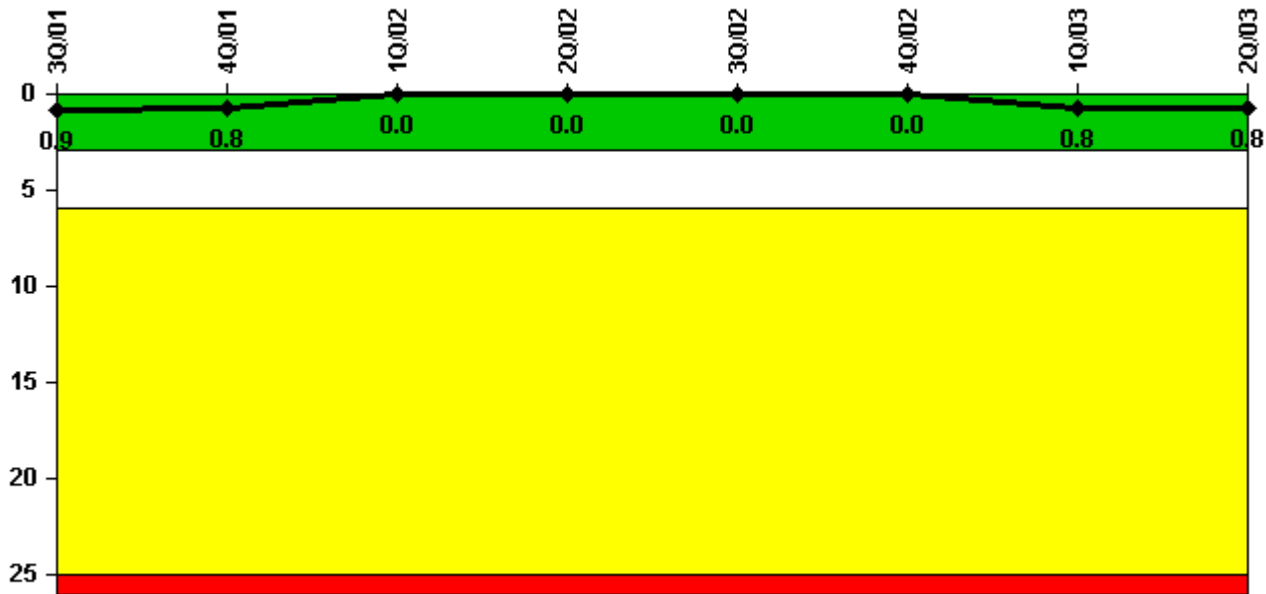
Last Modified: April 22, 2003

Catawba 1

2Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2160.0	1695.0	2208.0	2209.0	2129.0	2183.0
Indicator value	0.9	0.8	0	0	0	0	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



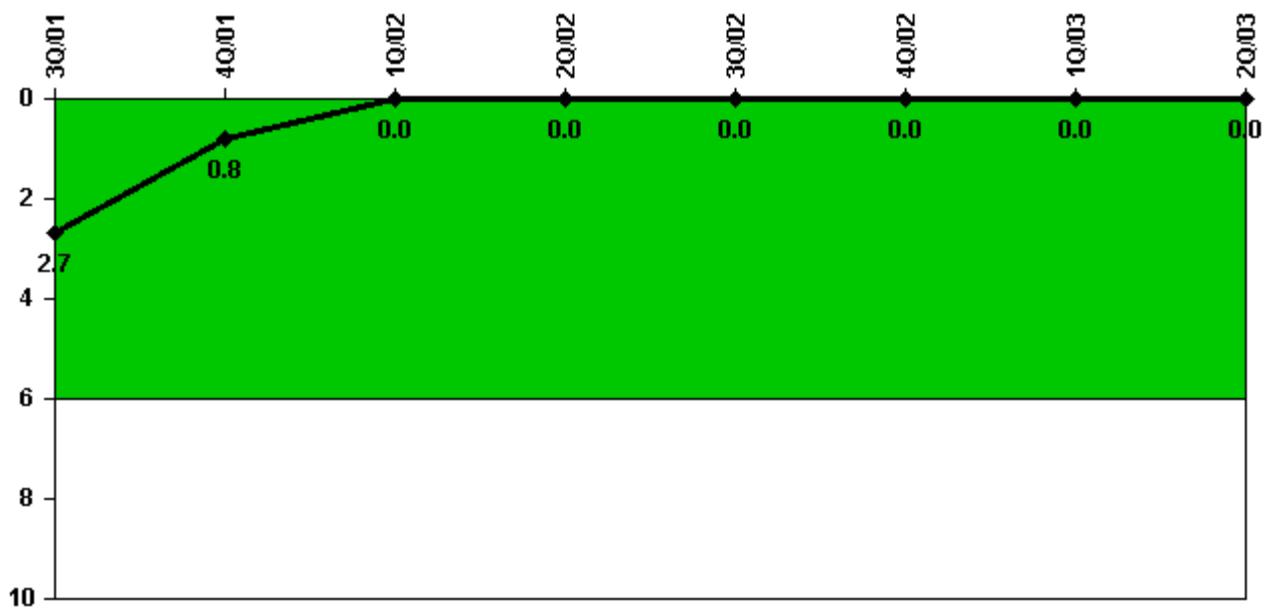
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



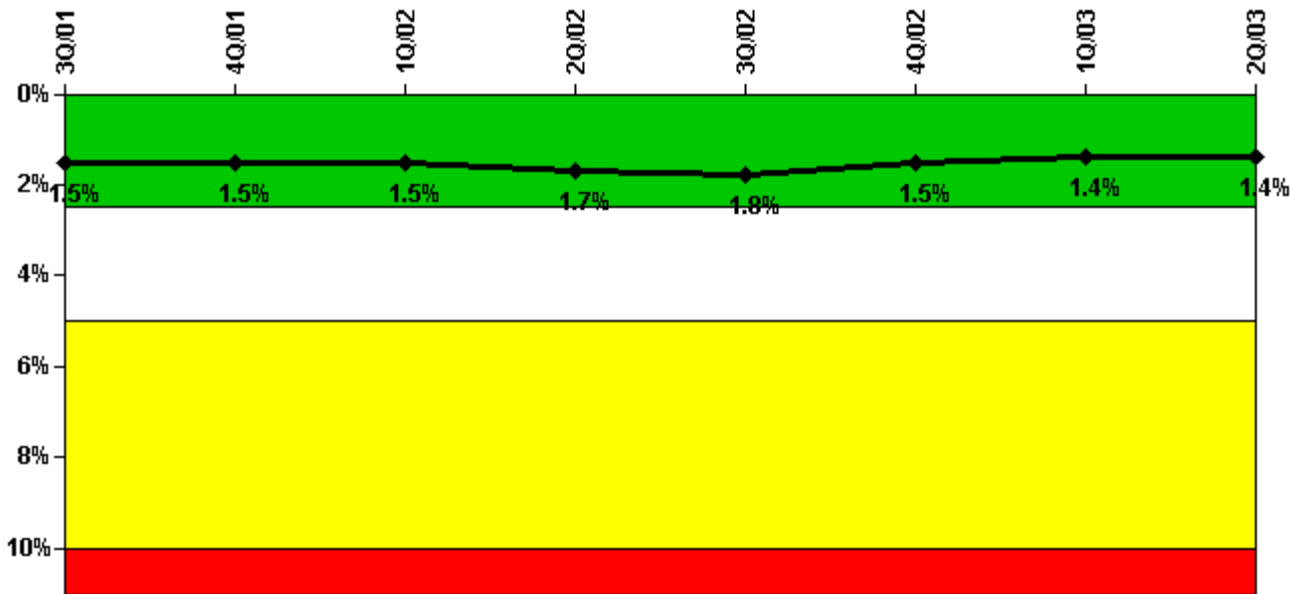
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1695.0	2208.0	2209.0	2129.0	2183.0
Indicator value	2.7	0.8	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



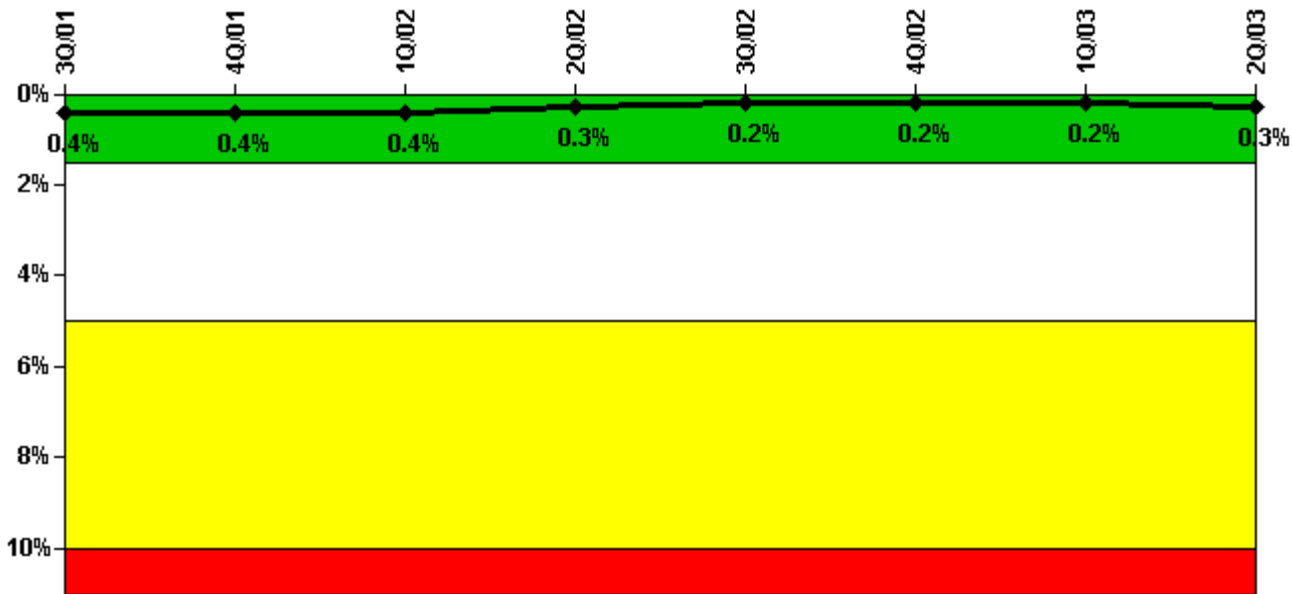
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	3.35	2.55	50.15	0	34.18	21.32	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	2.48	1.92	0	61.25	41.73	0	0	19.60
Unplanned unavailable hours	6.12	0	0	20.90	0	0	0	0
Fault exposure hours	0	0	0	85.35	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.5%	1.5%	1.5%	1.7%	1.8%	1.5%	1.4%	1.4%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

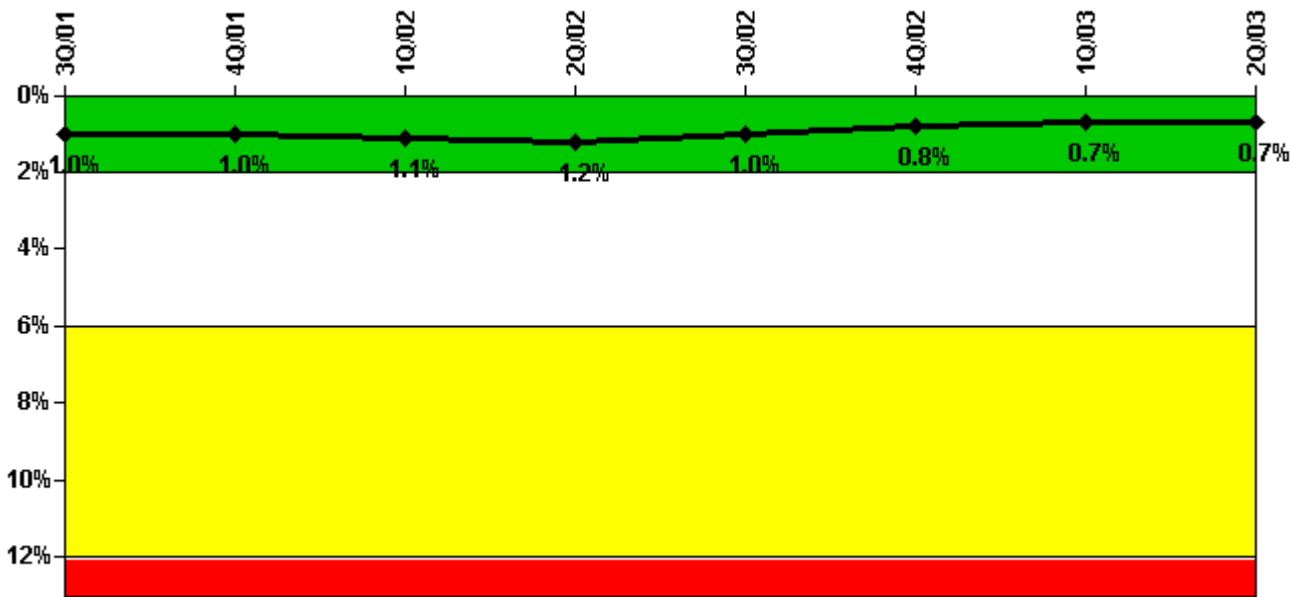
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	7.16	1.20	3.60	2.10	0	11.10	0	27.30
Unplanned unavailable hours	0	0	0	0.80	0	1.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00	2183.00
Train 2								
Planned unavailable hours	25.55	2.38	5.60	13.20	3.30	8.60	0	12.70
Unplanned unavailable hours	0	0	0	0	0	1.30	3.80	13.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00	2183.00
Train 3								
Planned unavailable hours	0.38	0	2.70	0	0	5.40	0	29.60
Unplanned unavailable hours	0	0	0	0.80	0	1.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00	2183.00
Train 4								
Planned unavailable hours	0	10.08	3.50	13.20	0	5.10	0	19.60
Unplanned unavailable hours	0	0	0	0	0	1.30	3.80	13.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2208.00	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00	2183.00
Indicator value	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

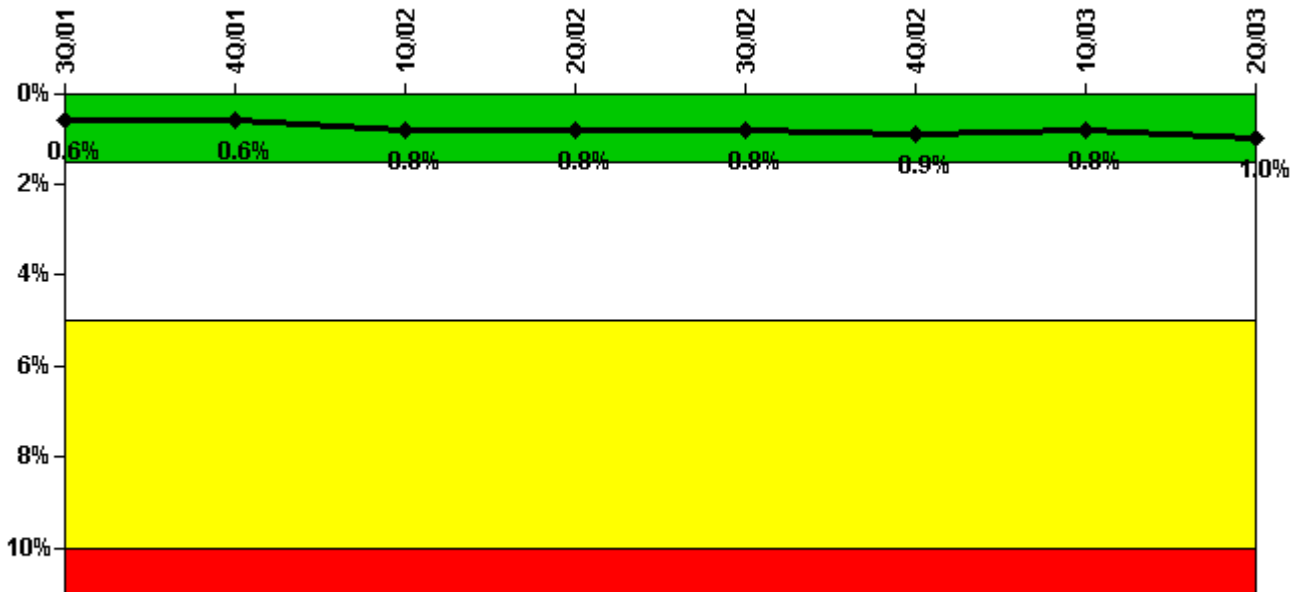
Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	2.51	1.90	30.90	15.47	28.32	3.71	4.12	40.22
Unplanned unavailable hours	0	0	0	0.75	0	1.77	0	0
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	1751.45	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	1.97	5.20	38.22	17.11	6.80	2.20	0.50	46.43
Unplanned unavailable hours	0	0	0	0	0	1.26	3.80	13.67
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	1751.45	2208.00	2209.00	2160.00	2183.00
Train 3								

Planned unavailable hours	9.48	18.94	21.32	3.52	26.78	12.10	31.09	19.83
Unplanned unavailable hours	0	23.52	0	0	0	0	0	3.27
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1751.45	2208.00	2209.00	2160.00	2183.00
Indicator value	1.0%	1.0%	1.1%	1.2%	1.0%	0.8%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

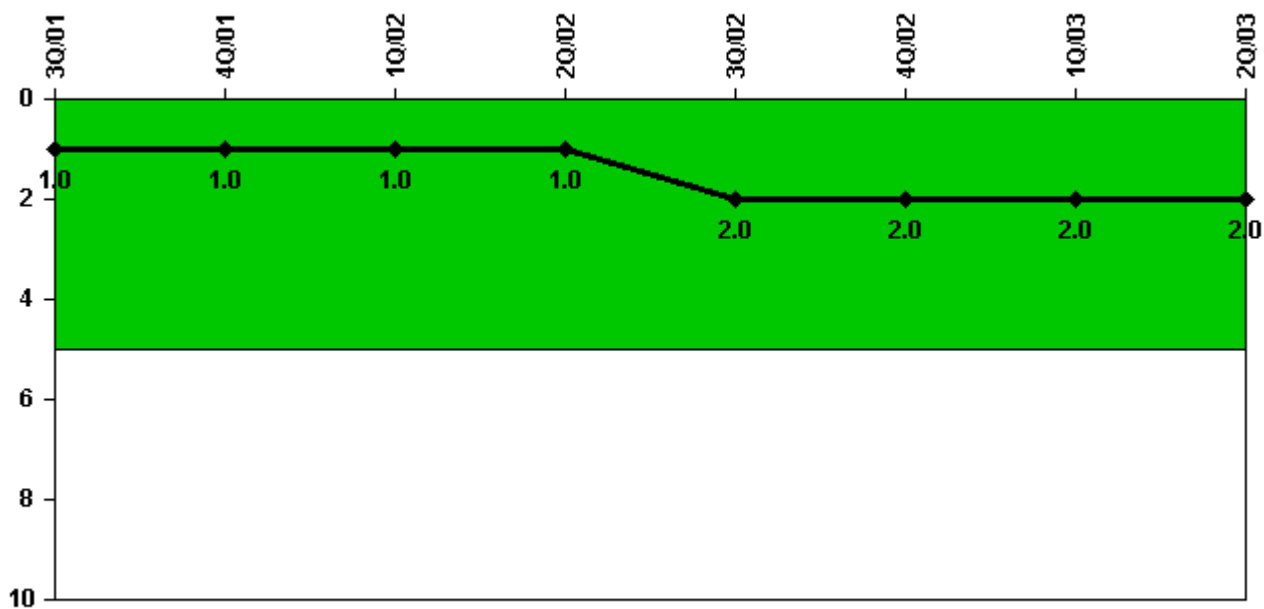
Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0.38	0	94.20	0	0	21.60	0	73.30
Unplanned unavailable hours	0	0	0	27.10	0	30.60	0	0.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0.20	25.17	80.20	21.80	0	0	0	35.40
Unplanned unavailable hours	8.53	0	0	0	0	27.50	11.80	13.70

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.6%	0.6%	0.8%	0.8%	0.8%	0.9%	0.8%	1.0%

Licensee Comments: none

Safety System Functional Failures (PWR)



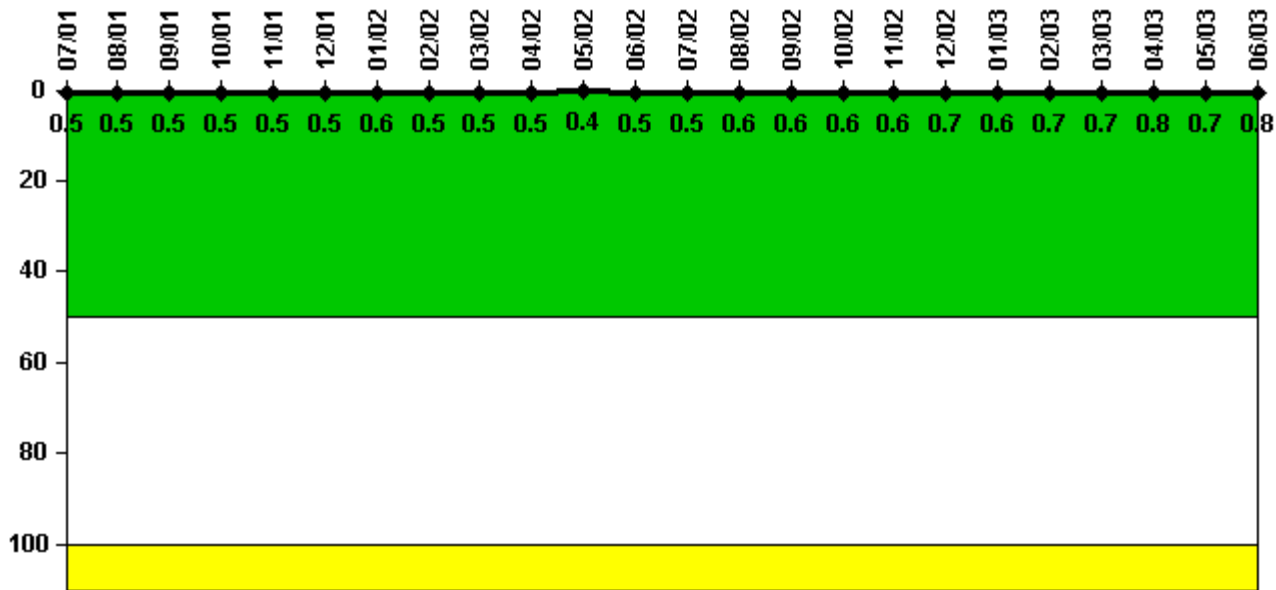
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

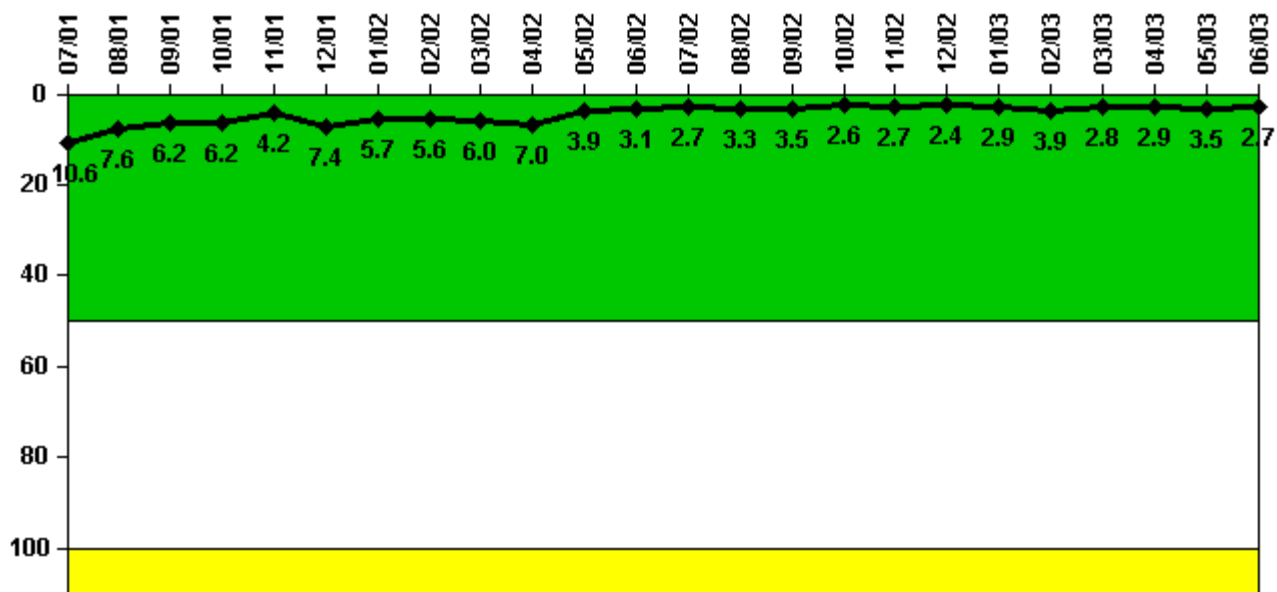
Notes

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	0.000300	0.000300	0.000300	0.000311	0.000318	0.000336	0.000389	0.000337	0.000335	0.000328	0.000241	0.000297
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.5

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	0.000320	0.000360	0.000380	0.000370	0.000410	0.000430	0.000410	0.000440	0.000445	0.000490	0.000452	0.000543
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.8	0.7	0.8

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

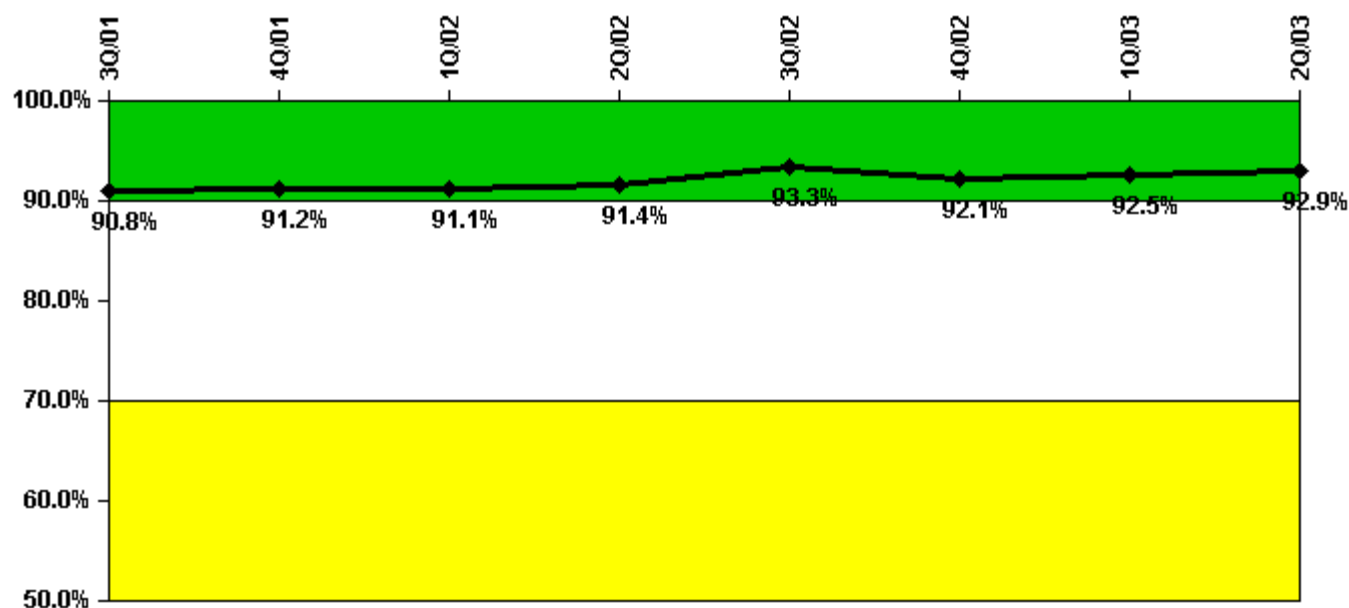
Notes

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	1.063	0.761	0.624	0.616	0.417	0.742	0.569	0.563	0.598	0.698	0.385	0.310
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	10.6	7.6	6.2	6.2	4.2	7.4	5.7	5.6	6.0	7.0	3.9	3.1

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.270	0.330	0.350	0.256	0.274	0.240	0.290	0.389	0.284	0.294	0.349	0.273
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.7	3.3	3.5	2.6	2.7	2.4	2.9	3.9	2.8	2.9	3.5	2.7

Licensee Comments: none

Drill/Exercise Performance



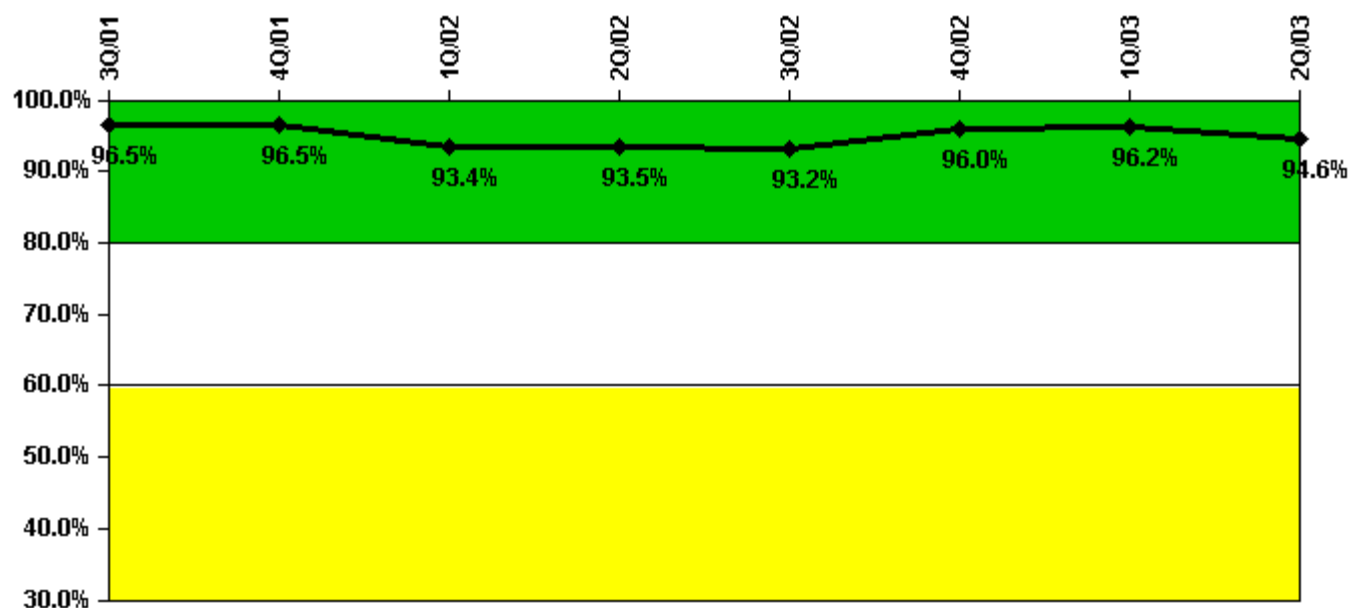
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	111.0	12.0	16.0	8.0	71.0	40.0	18.0	26.0
Total opportunities	125.0	12.0	16.0	8.0	74.0	46.0	18.0	26.0
Indicator value	90.8%	91.2%	91.1%	91.4%	93.3%	92.1%	92.5%	92.9%

Licensee Comments: none

ERO Drill Participation



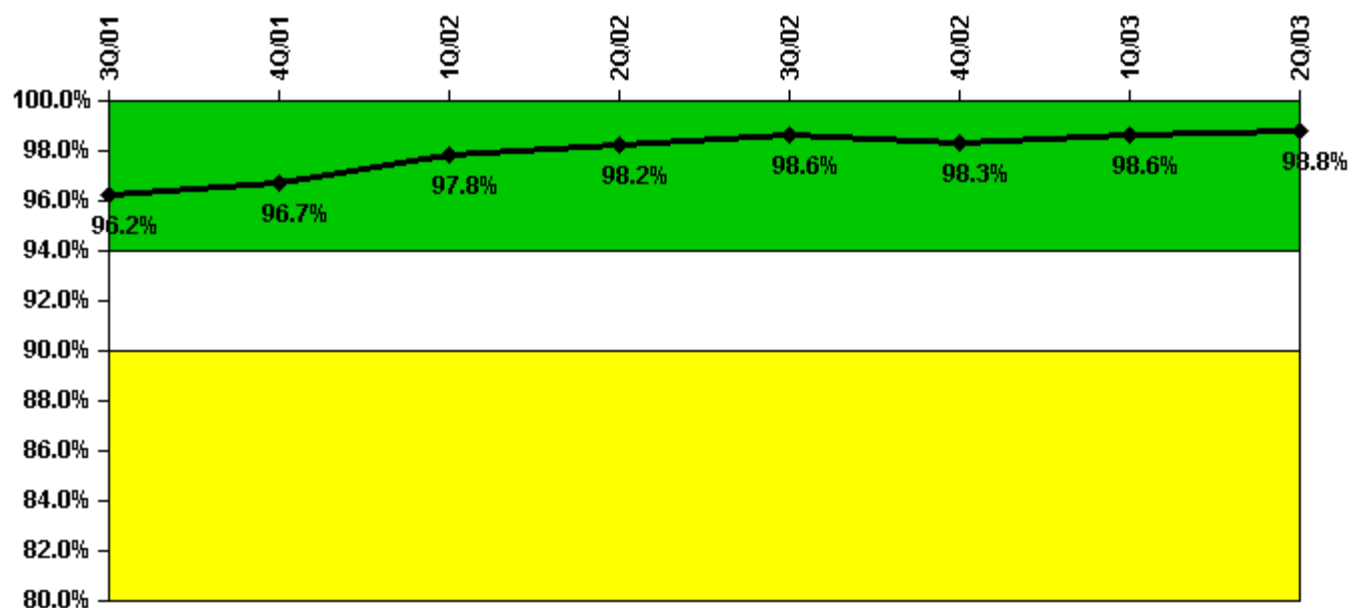
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	192.0	191.0	184.0	186.0	177.0	192.0	177.0	175.0
Total Key personnel	199.0	198.0	197.0	199.0	190.0	200.0	184.0	185.0
Indicator value	96.5%	96.5%	93.4%	93.5%	93.2%	96.0%	96.2%	94.6%

Licensee Comments: none

Alert & Notification System



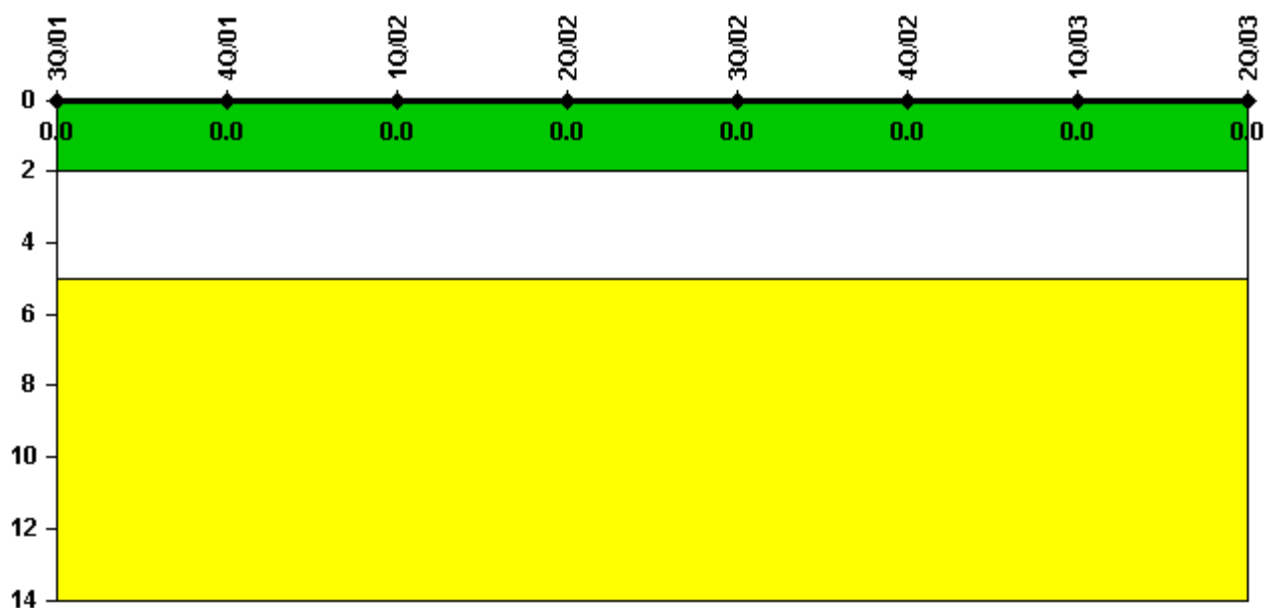
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	2208	2162	2337	2253	2251	2248	2220	2386
Total sirens-tests	2275	2186	2375	2288	2281	2302	2225	2403
Indicator value	96.2%	96.7%	97.8%	98.2%	98.6%	98.3%	98.6%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

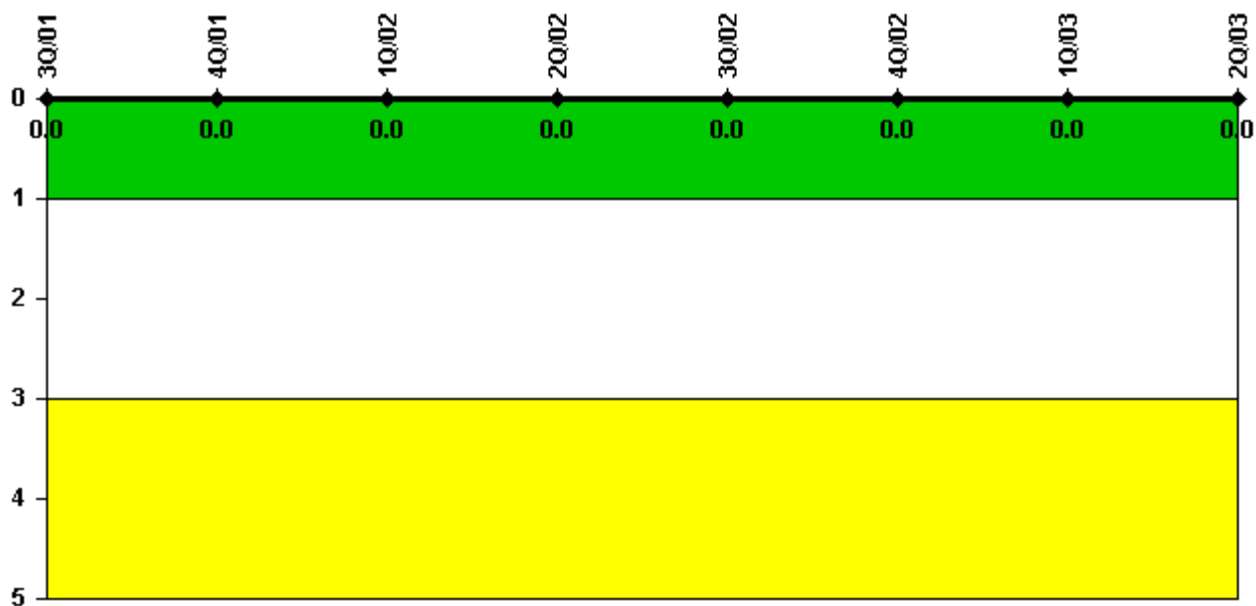


Thresholds: White > 2.0 Yellow > 5.0

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	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

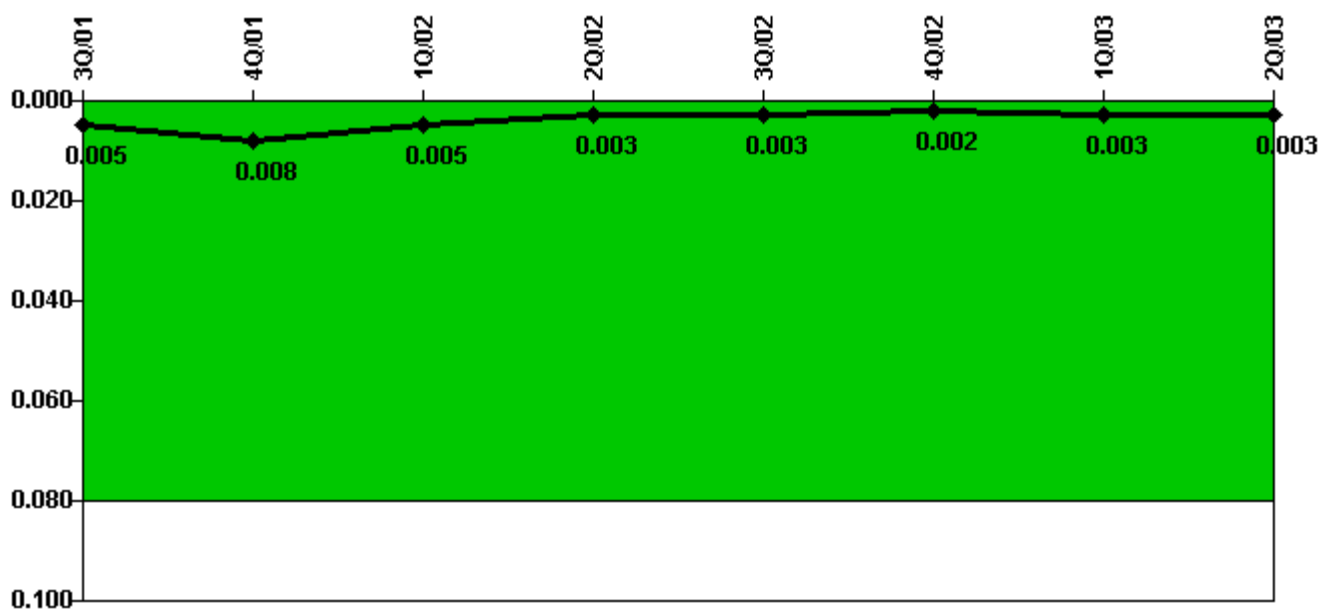
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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



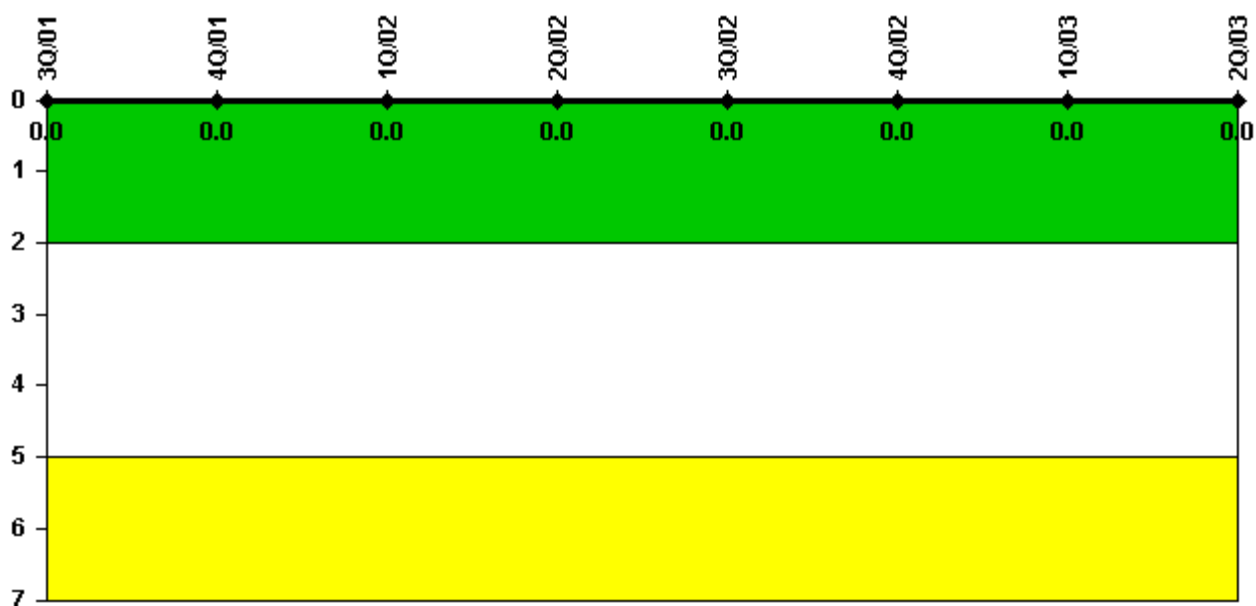
Thresholds: White > 0.080

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	12.10	93.50	20.00	5.10	2.10	62.30	29.00	28.50
CCTV compensatory hours	0	2.5	0	0	0	0	3.6	0
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.005	0.008	0.005	0.003	0.003	0.002	0.003	0.003

Licensee Comments: none

Personnel Screening Program



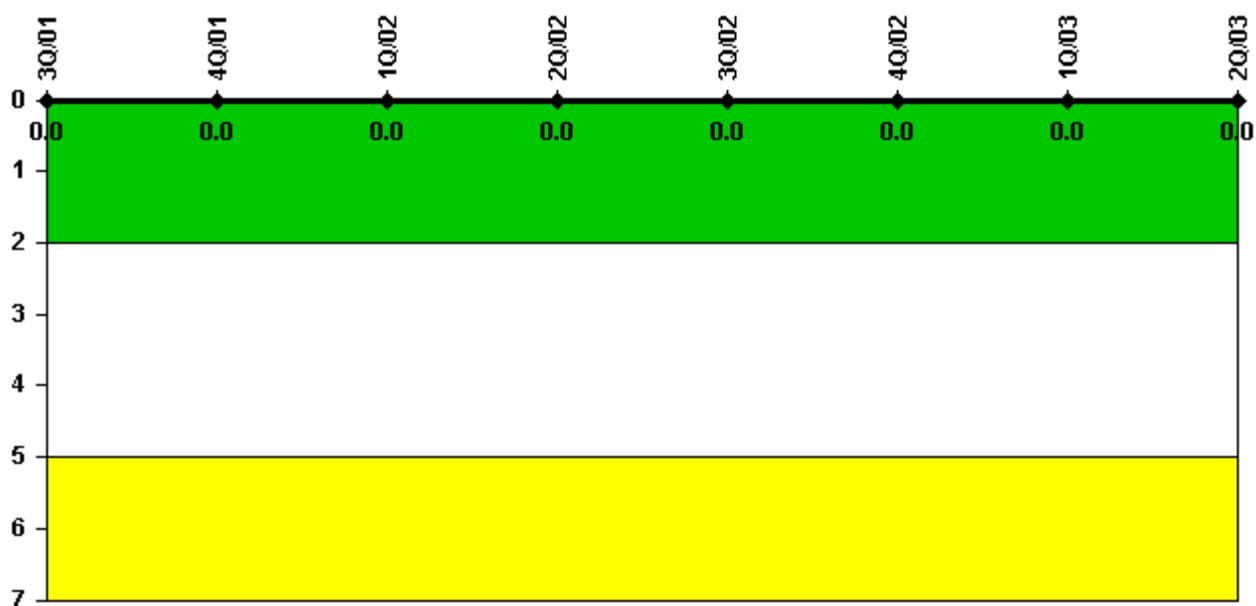
Thresholds: White > 2.0 Yellow > 5.0

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](#)

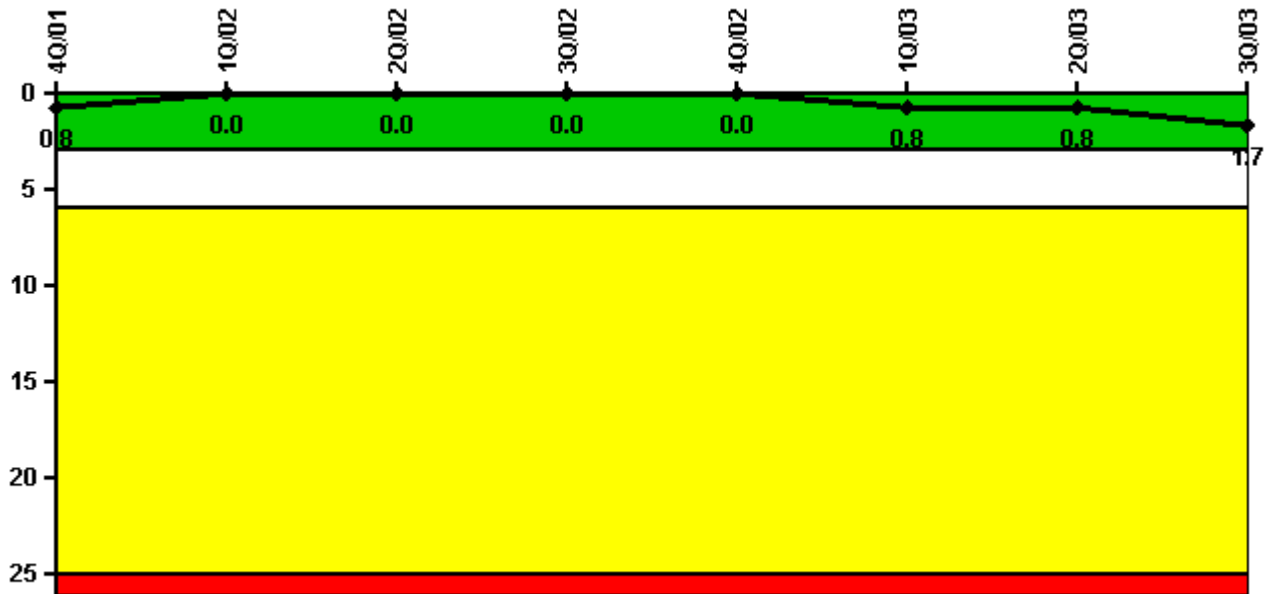
Last Modified: July 22, 2003

Catawba 1

3Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



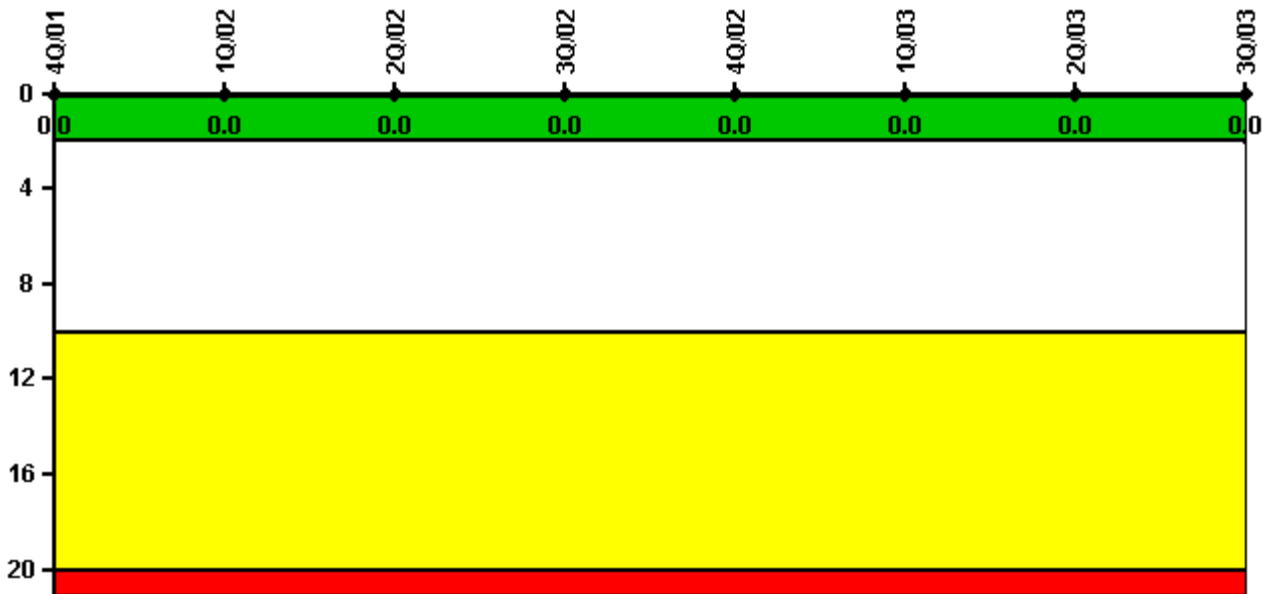
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	0	0	0	1.0	0	1.0
Critical hours	2209.0	2160.0	1695.0	2208.0	2209.0	2129.0	2183.0	1944.7
Indicator value	0.8	0	0	0	0	0.8	0.8	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



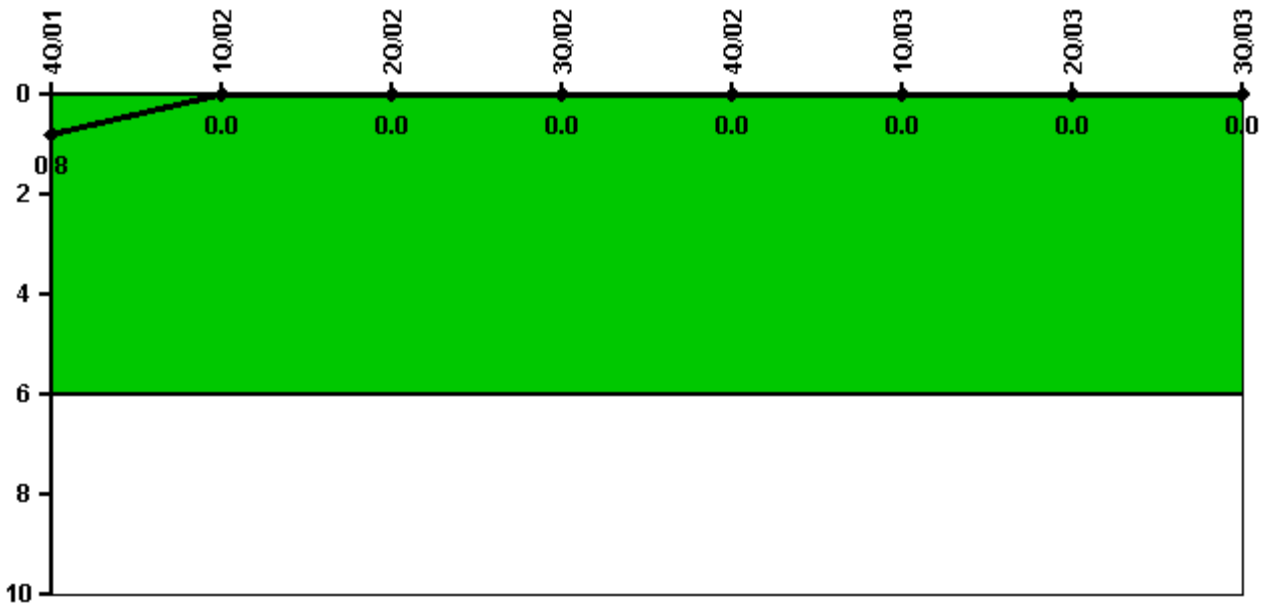
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



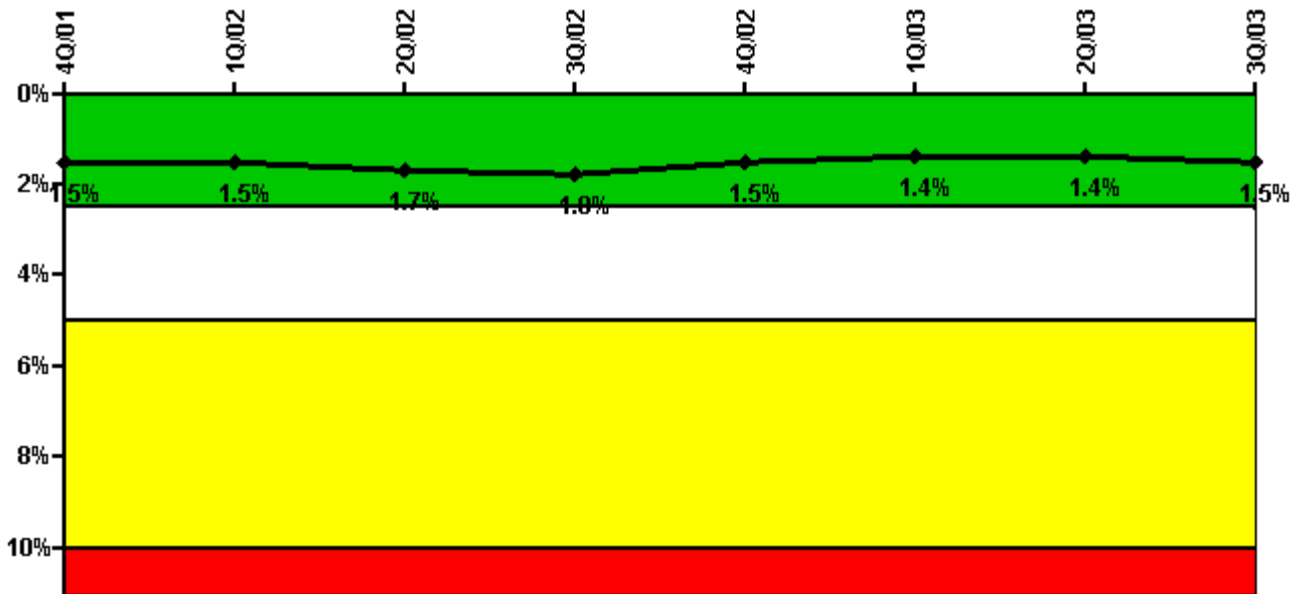
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	1695.0	2208.0	2209.0	2129.0	2183.0	1944.7
Indicator value	0.8	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



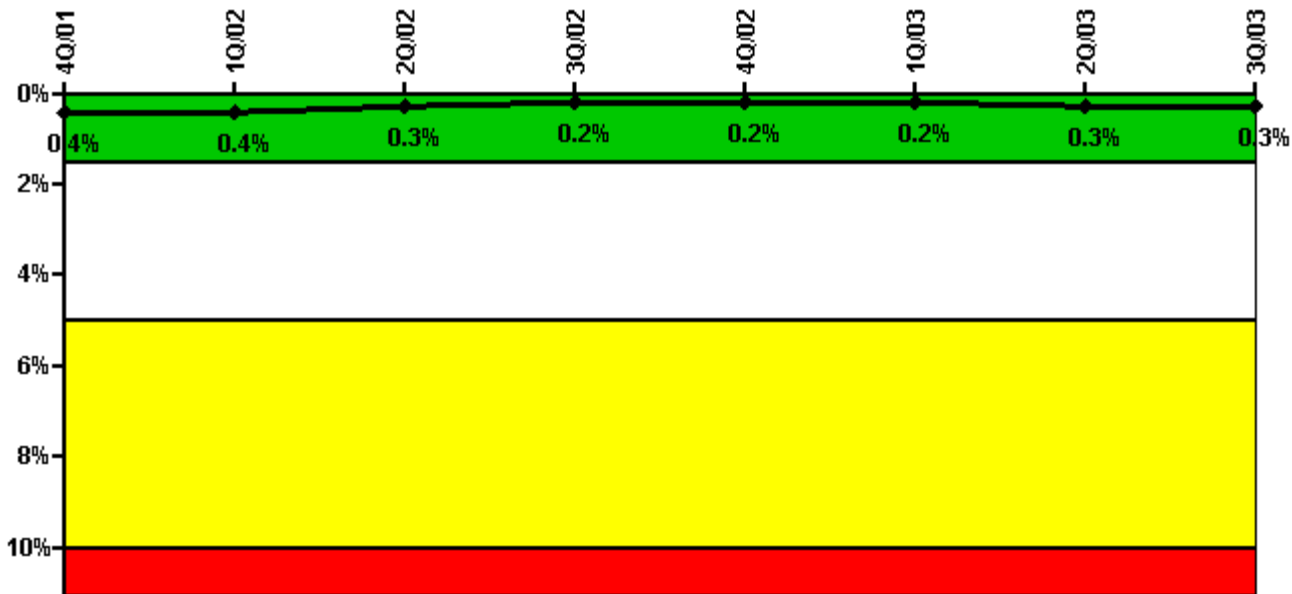
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	2.55	50.15	0	34.18	21.32	0	0	56.39
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	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.92	0	61.25	41.73	0	0	19.60	0
Unplanned unavailable hours	0	0	20.90	0	0	0	0	0
Fault exposure hours	0	0	85.35	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.5%	1.5%	1.7%	1.8%	1.5%	1.4%	1.4%	1.5%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

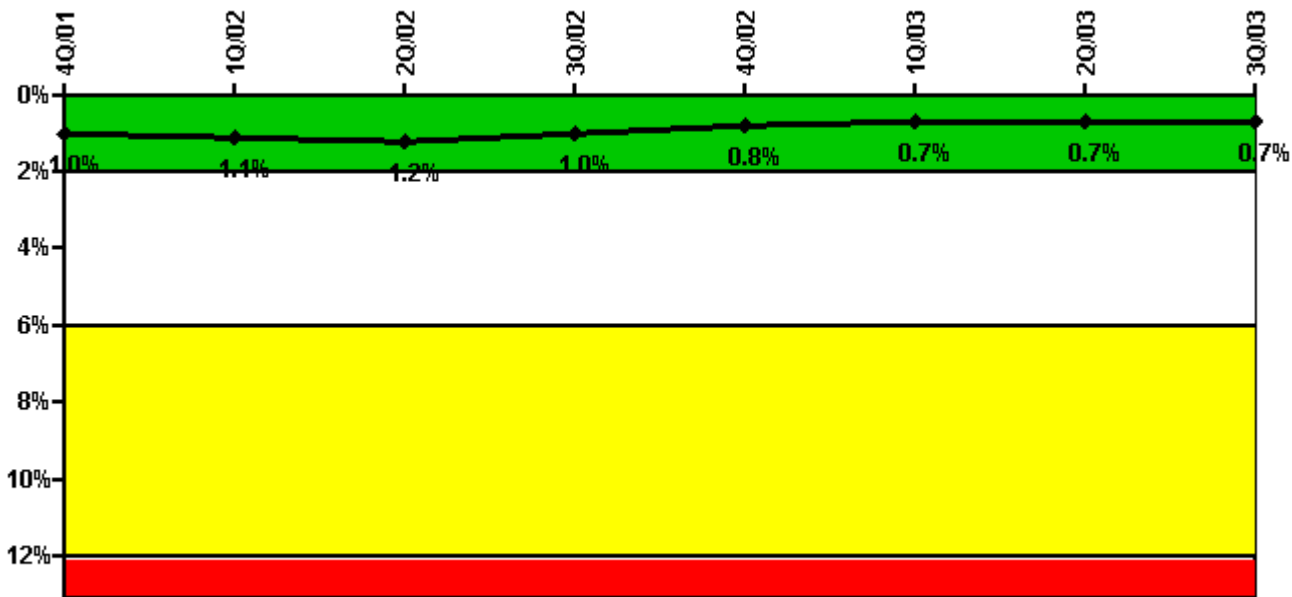
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	1.20	3.60	2.10	0	11.10	0	27.30	1.00
Unplanned unavailable hours	0	0	0.80	0	1.80	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	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70
Train 2								
Planned unavailable hours	2.38	5.60	13.20	3.30	8.60	0	12.70	11.40
Unplanned unavailable hours	0	0	0	0	1.30	3.80	13.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70
Train 3								
Planned unavailable hours	0	2.70	0	0	5.40	0	29.60	16.50
Unplanned unavailable hours	0	0	0.80	0	1.80	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	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70
Train 4								
Planned unavailable hours	10.08	3.50	13.20	0	5.10	0	19.60	0
Unplanned unavailable hours	0	0	0	0	1.30	3.80	13.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2209.00	2160.00	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70
Indicator value	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

Notes

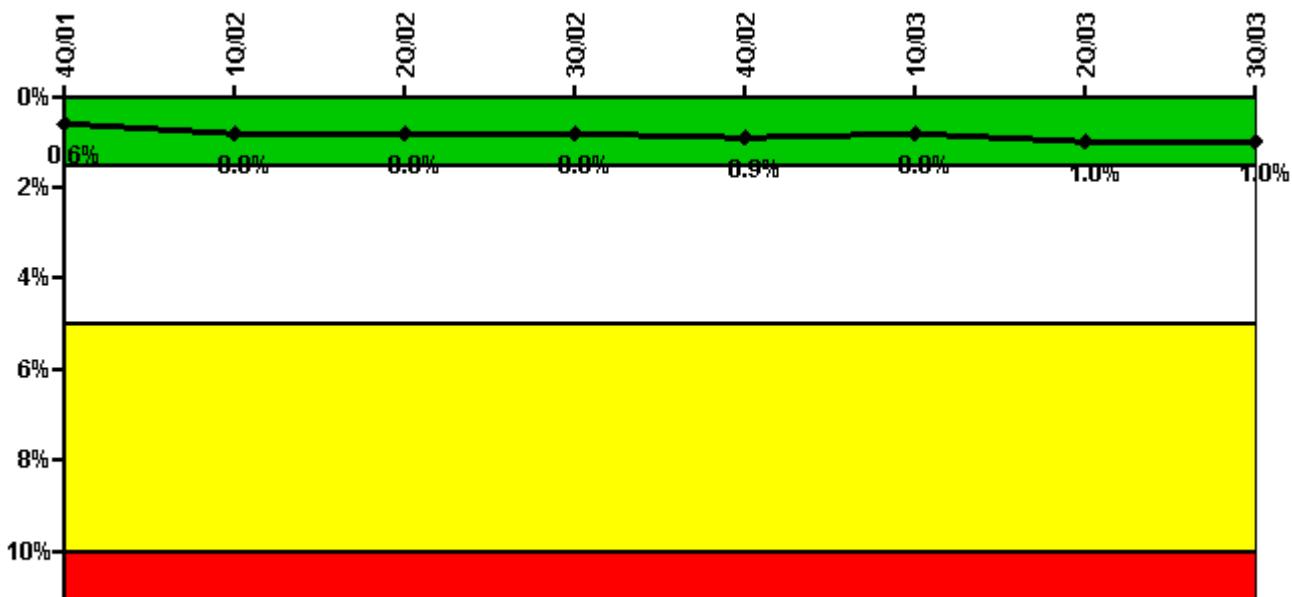
Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	1.90	30.90	15.47	28.32	3.71	4.12	40.22	30.66
Unplanned unavailable hours	0	0	0.75	0	1.77	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30
Train 2								
Planned unavailable hours	5.20	38.22	17.11	6.80	2.20	0.50	47.92	1.82
Unplanned unavailable hours	0	0	0	0	1.26	3.80	13.67	0
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	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30
Train 3								

Planned unavailable hours	18.94	21.32	3.52	26.78	12.10	31.09	19.83	12.70
Unplanned unavailable hours	23.52	0	0	0	0	0	3.27	6.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30
Indicator value	1.0%	1.1%	1.2%	1.0%	0.8%	0.7%	0.7%	0.7%

Licensee Comments:

2Q/03: Minor calculation error associated with length of removal and restoration of a component caused a net increase of 1.49 hours unavailability that was inadvertently omitted from 2Q2003 submittal.

Safety System Unavailability, Residual Heat Removal System



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

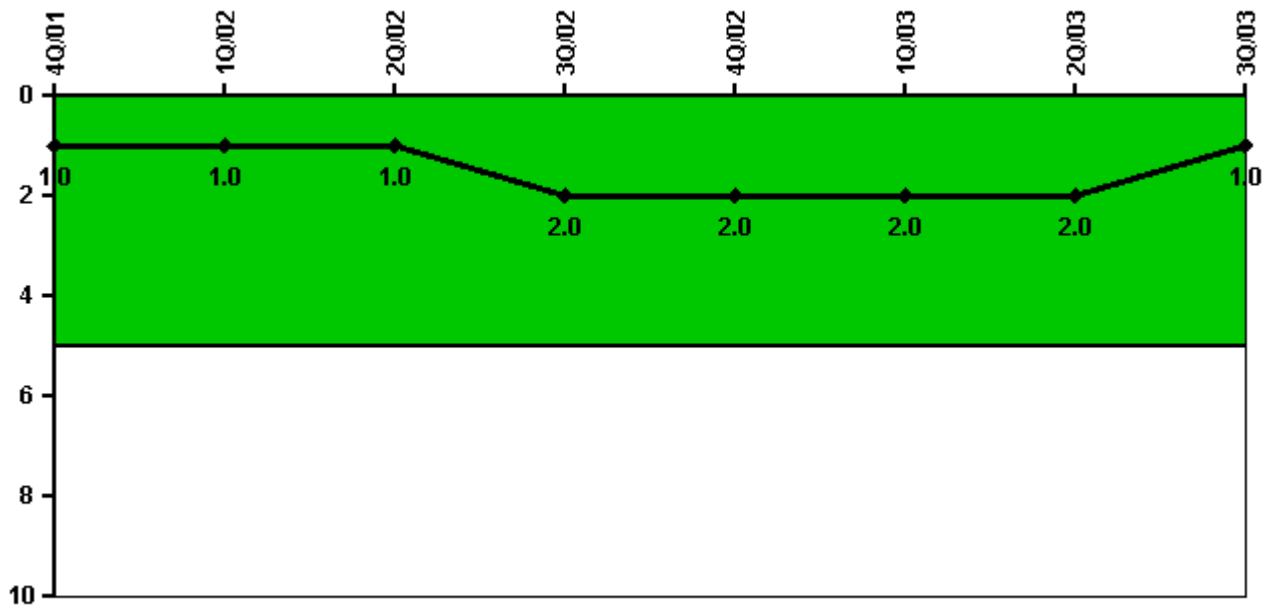
Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0	94.20	0	0	21.60	0	73.30	28.40
Unplanned unavailable hours	0	0	27.10	0	30.60	0	0.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00

Train 2								
Planned unavailable hours	25.17	80.20	21.80	0	0	0	35.40	0.40
Unplanned unavailable hours	0	0	0	0	27.50	11.80	13.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.6%	0.8%	0.8%	0.8%	0.9%	0.8%	1.0%	1.0%

Licensee Comments: none

Safety System Functional Failures (PWR)



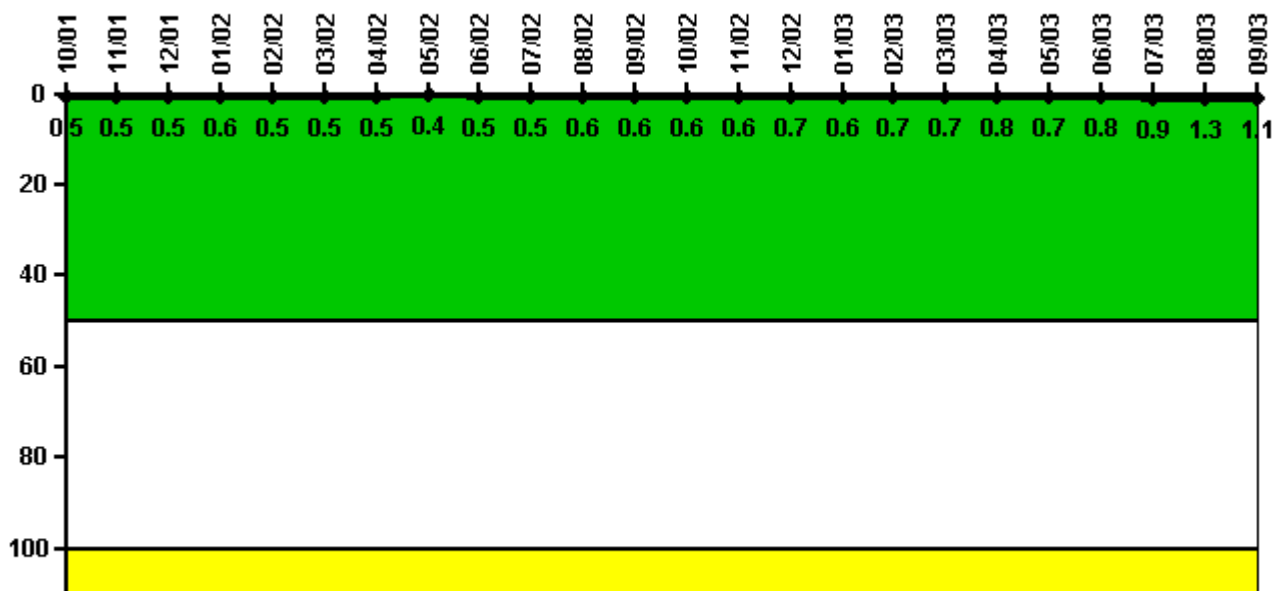
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

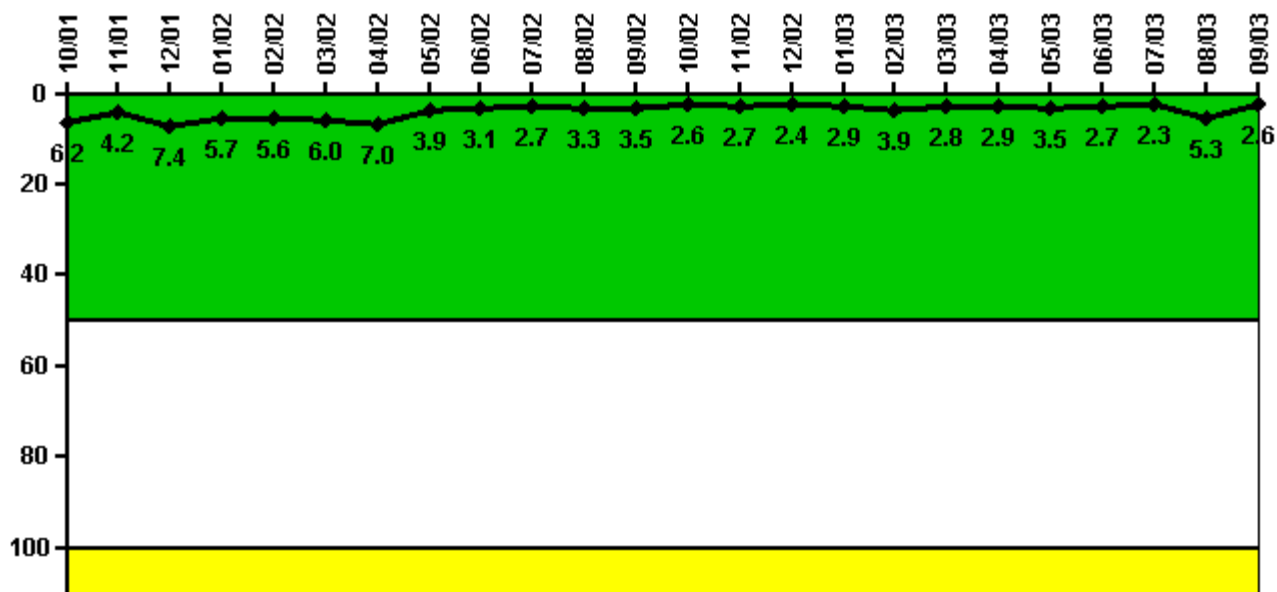
Notes

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	0.000311	0.000318	0.000336	0.000389	0.000337	0.000335	0.000328	0.000241	0.000297	0.000320	0.000360	0.000380
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.6	0.6

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	0.000370	0.000410	0.000430	0.000410	0.000440	0.000445	0.000490	0.000452	0.000543	0.000580	0.000844	0.000700
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.6	0.7	0.6	0.7	0.7	0.8	0.7	0.8	0.9	1.3	1.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

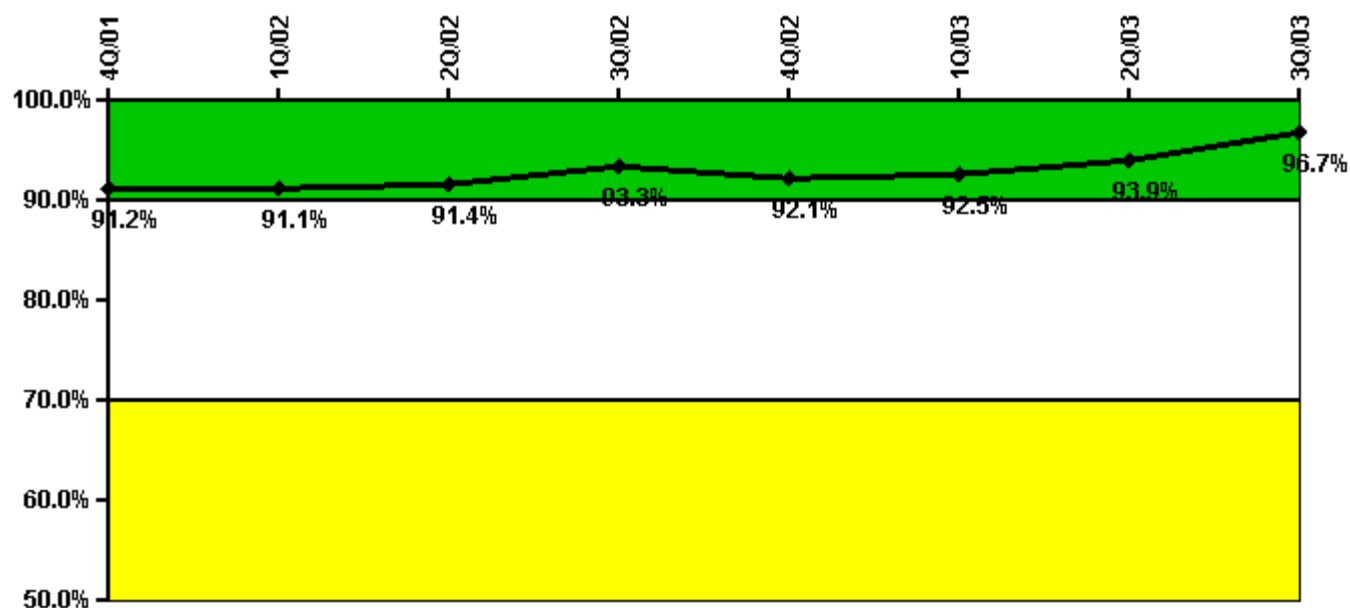
Notes

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.616	0.417	0.742	0.569	0.563	0.598	0.698	0.385	0.310	0.270	0.330	0.350
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	6.2	4.2	7.4	5.7	5.6	6.0	7.0	3.9	3.1	2.7	3.3	3.5

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.256	0.274	0.240	0.290	0.389	0.284	0.294	0.349	0.273	0.232	0.532	0.262
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.6	2.7	2.4	2.9	3.9	2.8	2.9	3.5	2.7	2.3	5.3	2.6

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

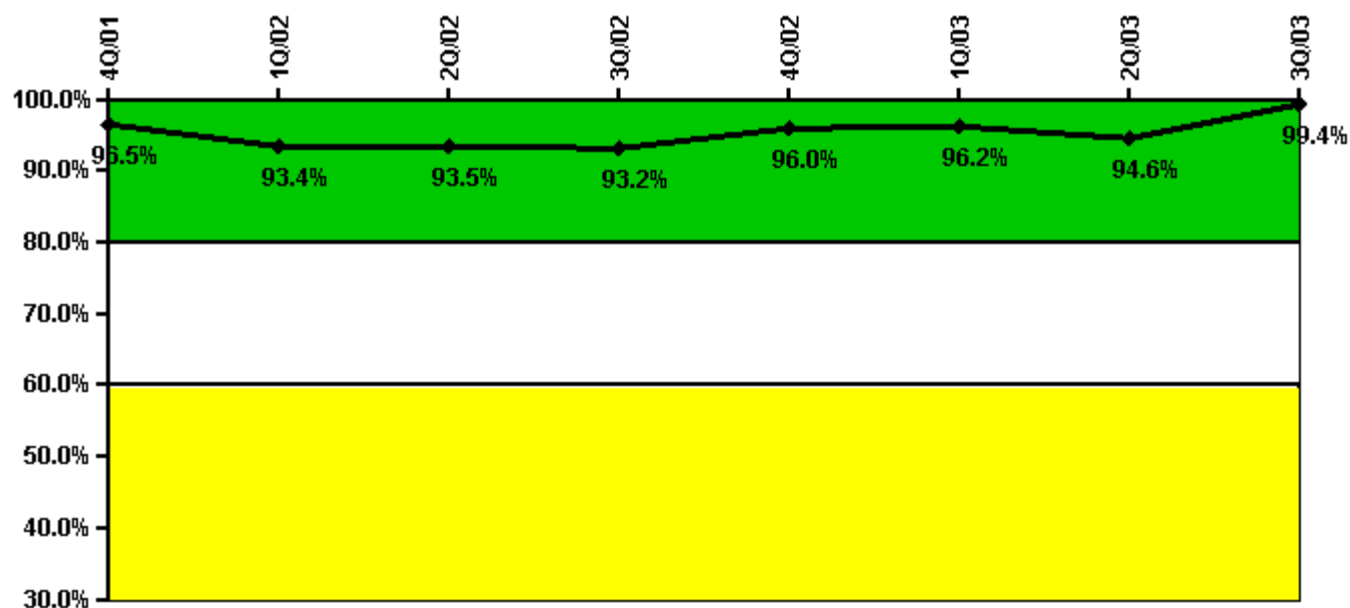
Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	12.0	16.0	8.0	71.0	40.0	18.0	78.0	80.0
Total opportunities	12.0	16.0	8.0	74.0	46.0	18.0	78.0	82.0
Indicator value	91.2%	91.1%	91.4%	93.3%	92.1%	92.5%	93.9%	96.7%

Licensee Comments:

2Q/03: Data from licensed operator exams was inadvertently omitted from original 2Q2003 submittal.

ERO Drill Participation



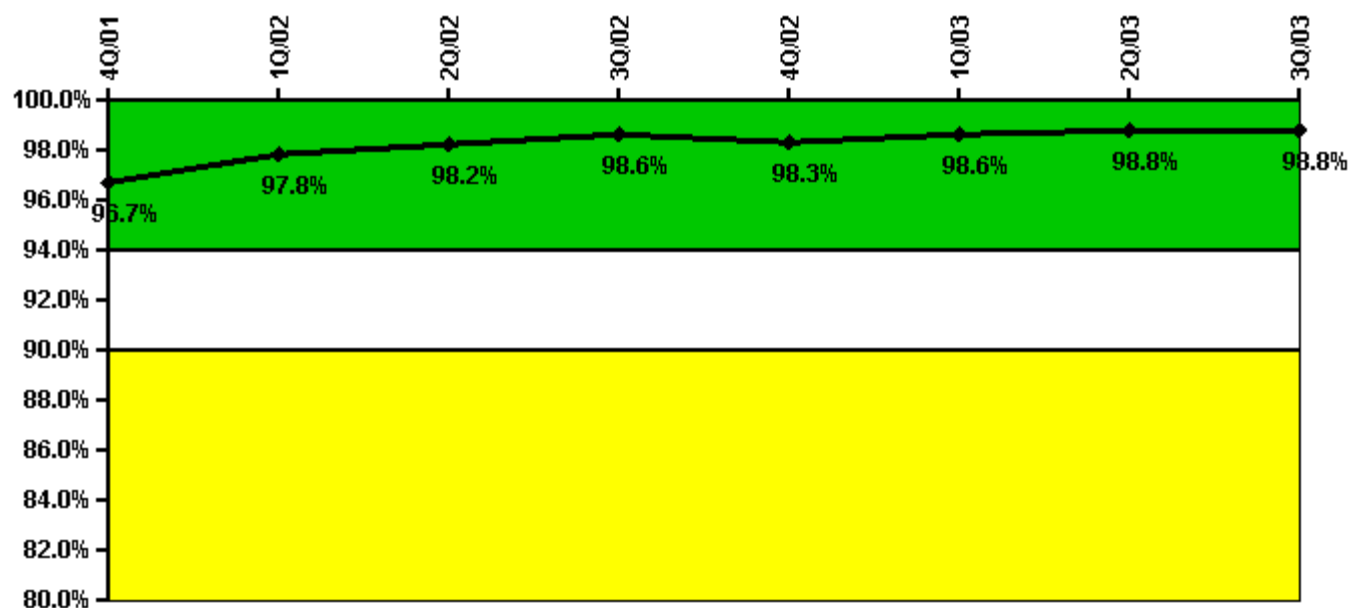
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	191.0	184.0	186.0	177.0	192.0	177.0	175.0	159.0
Total Key personnel	198.0	197.0	199.0	190.0	200.0	184.0	185.0	160.0
Indicator value	96.5%	93.4%	93.5%	93.2%	96.0%	96.2%	94.6%	99.4%

Licensee Comments: none

Alert & Notification System



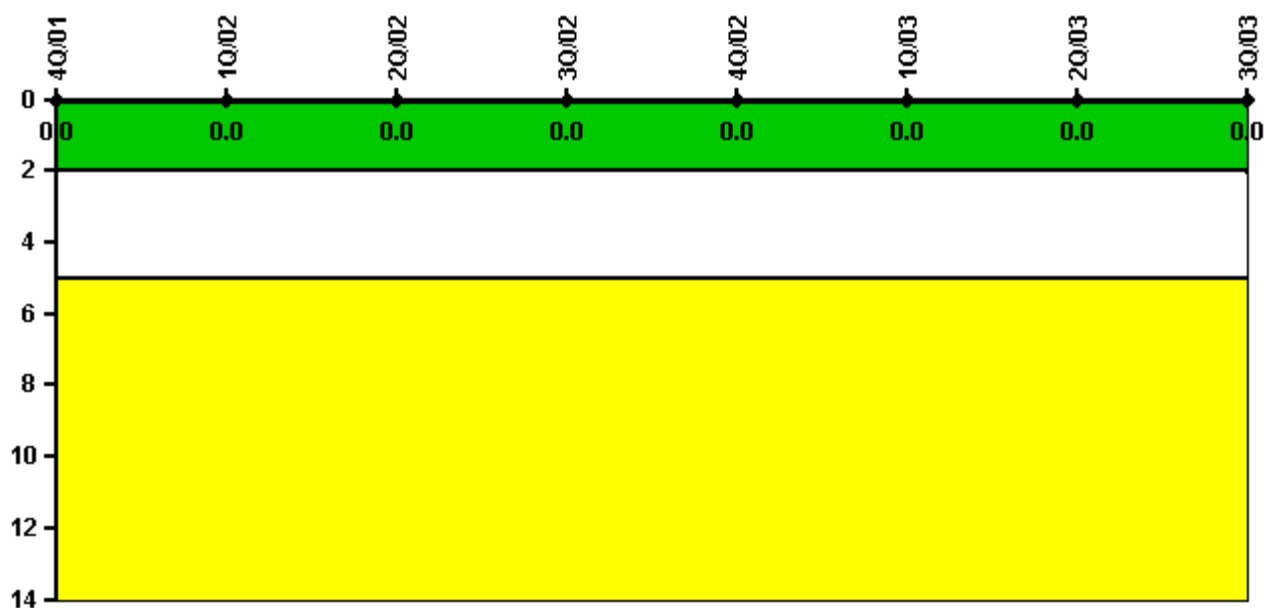
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	2162	2337	2253	2251	2248	2220	2386	2457
Total sirens-tests	2186	2375	2288	2281	2302	2225	2403	2492
Indicator value	96.7%	97.8%	98.2%	98.6%	98.3%	98.6%	98.8%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

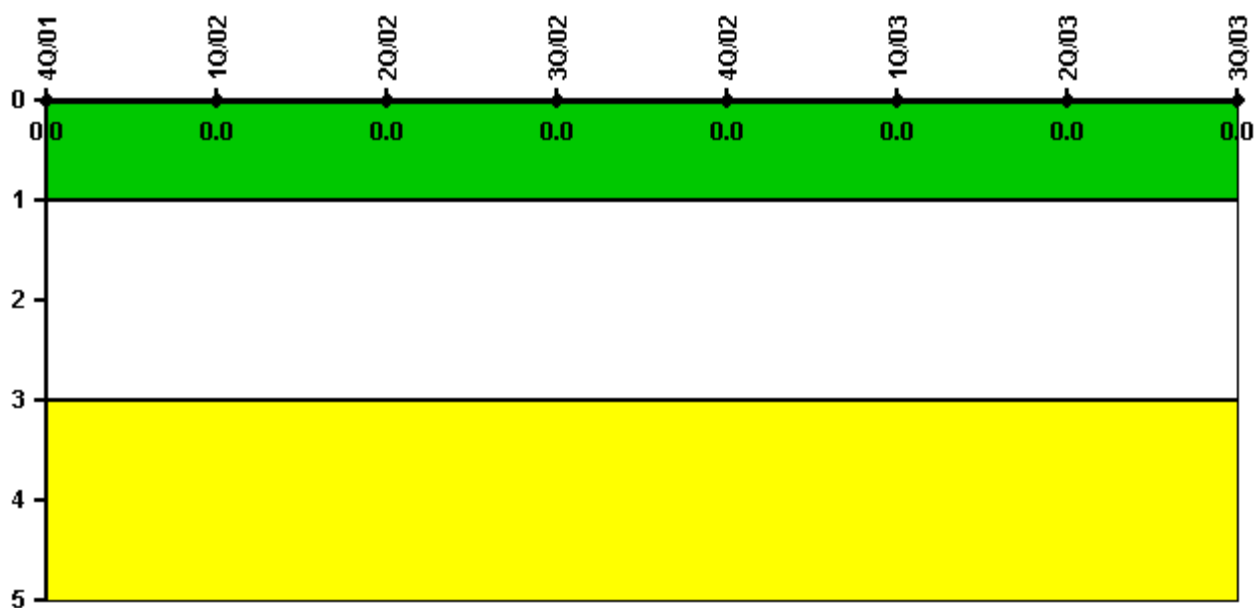


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent

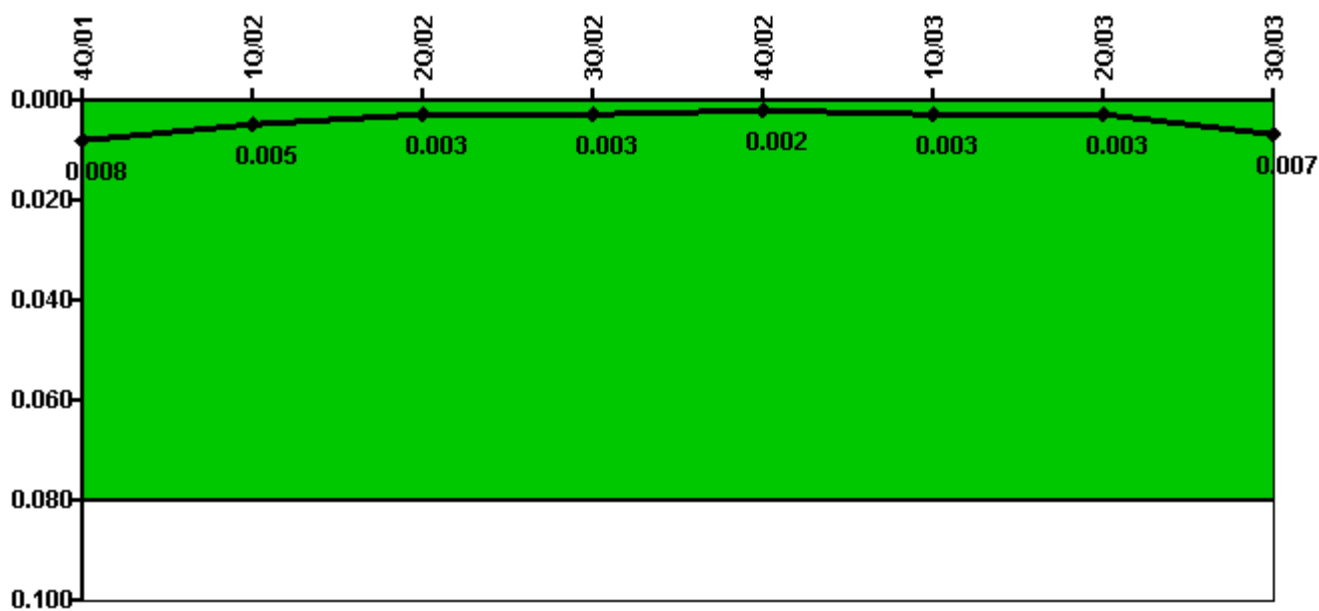
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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



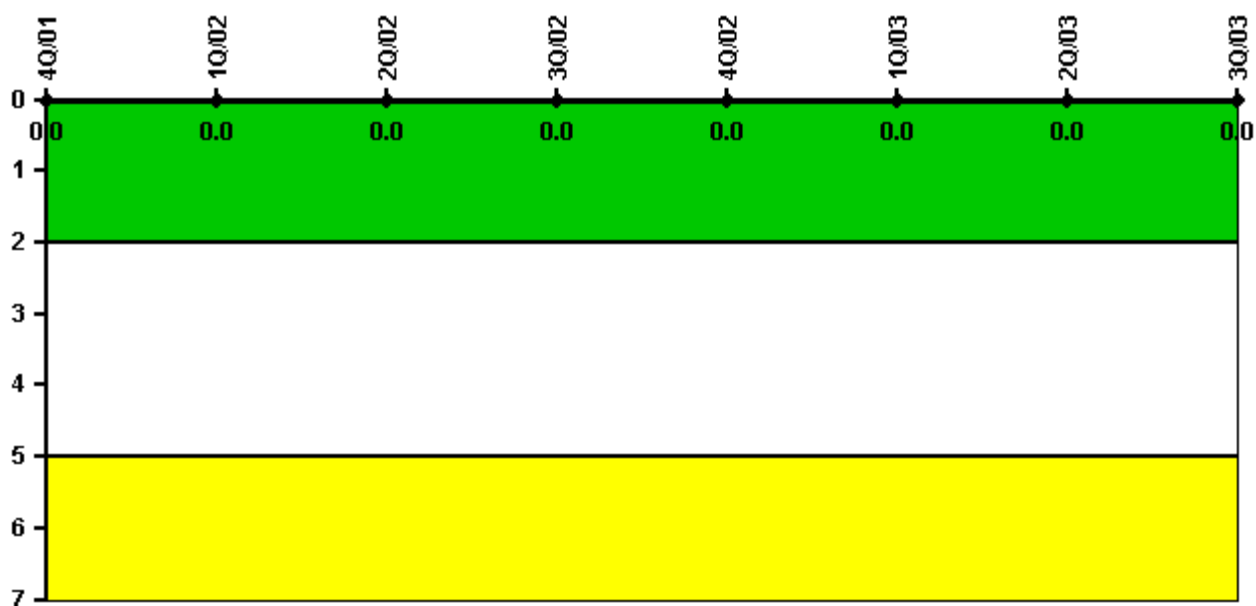
Thresholds: White > 0.080

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	93.50	20.00	5.10	2.10	62.30	29.00	28.50	146.20
CCTV compensatory hours	2.5	0	0	0	0	3.6	0	7.5
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.008	0.005	0.003	0.003	0.002	0.003	0.003	0.007

Licensee Comments: none

Personnel Screening Program



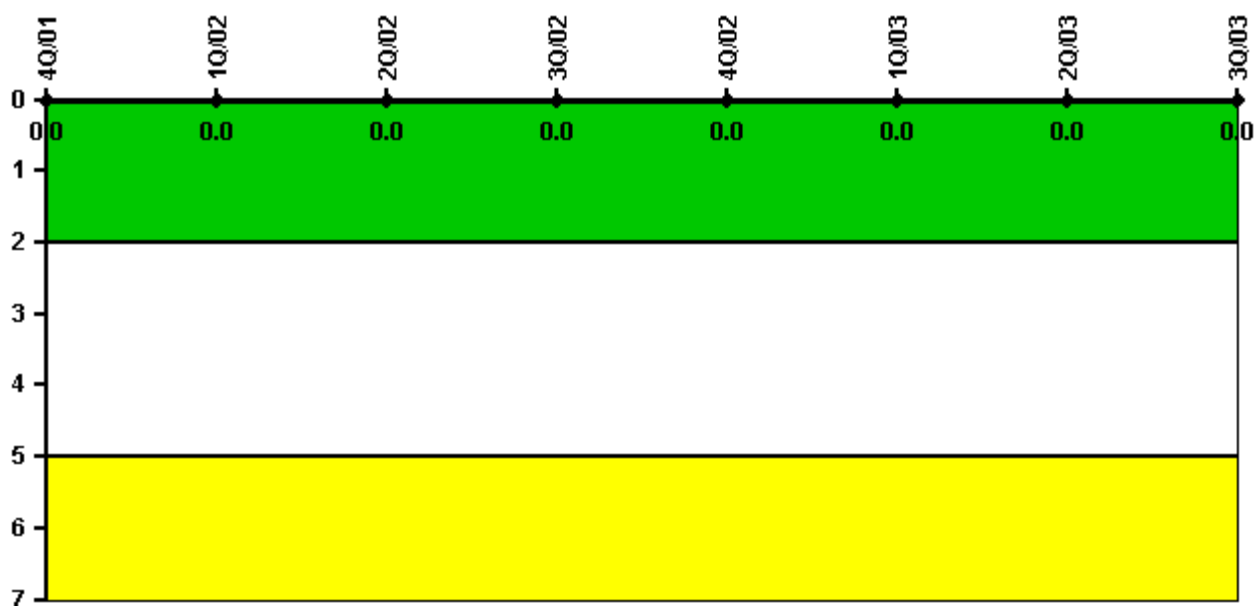
Thresholds: White > 2.0 Yellow > 5.0

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](#)

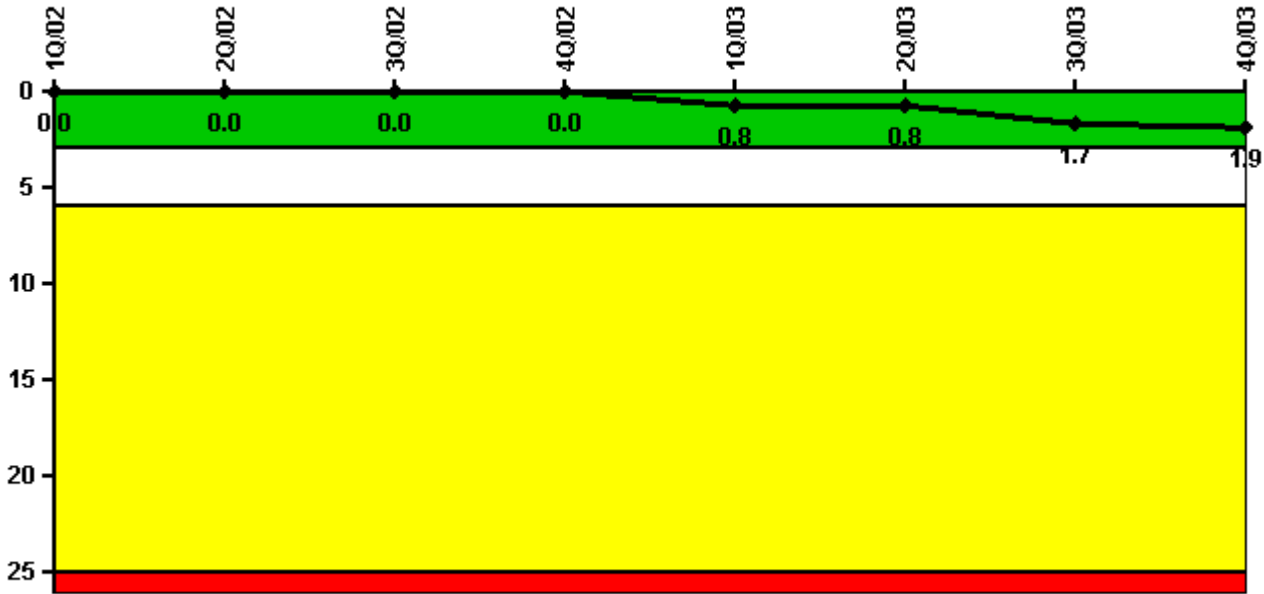
Last Modified: October 22, 2003

Catawba 1

4Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



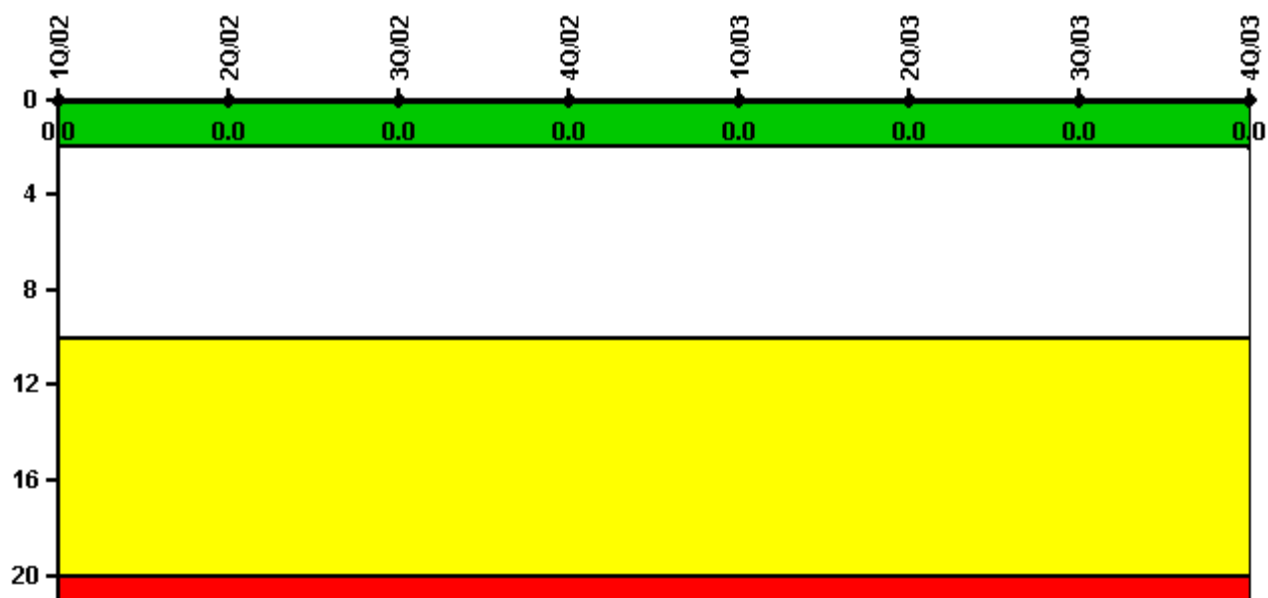
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	1.0	0	1.0	0
Critical hours	2160.0	1695.0	2208.0	2209.0	2129.0	2183.0	1944.7	1226.8
Indicator value	0	0	0	0	0.8	0.8	1.7	1.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



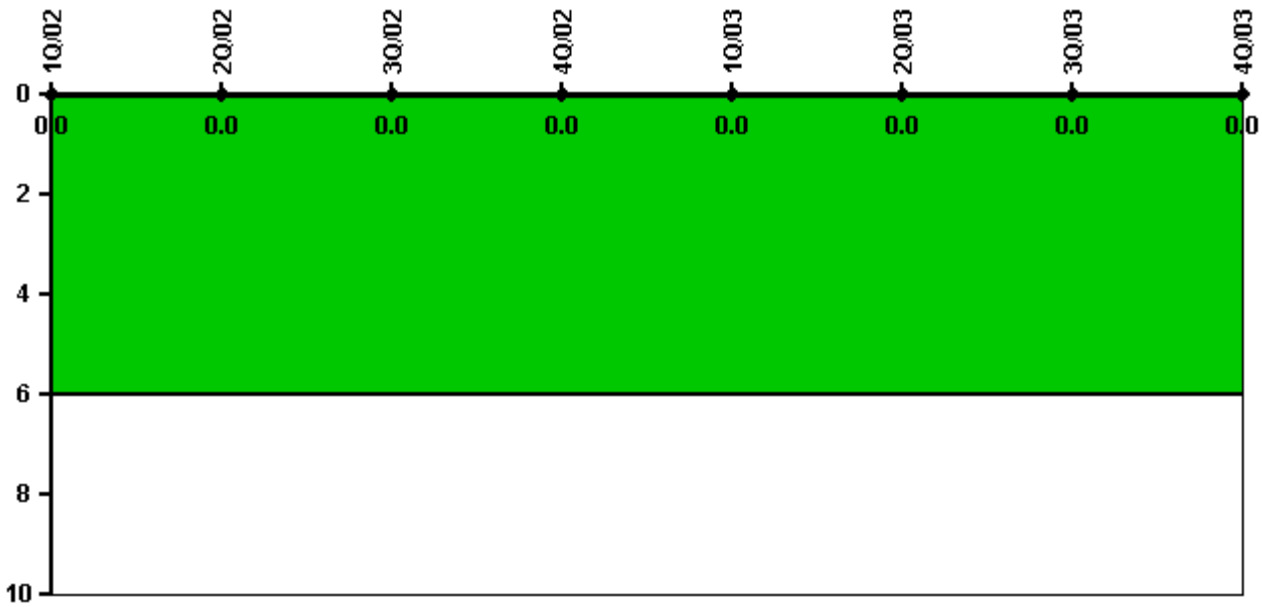
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



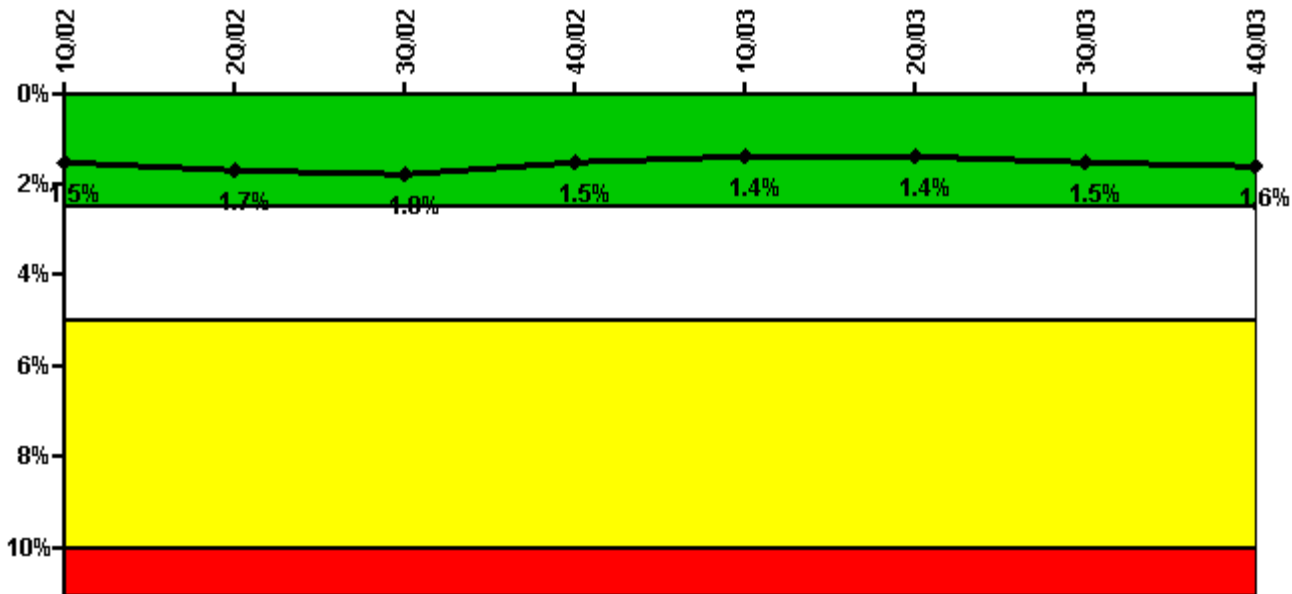
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2160.0	1695.0	2208.0	2209.0	2129.0	2183.0	1944.7	1226.8
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



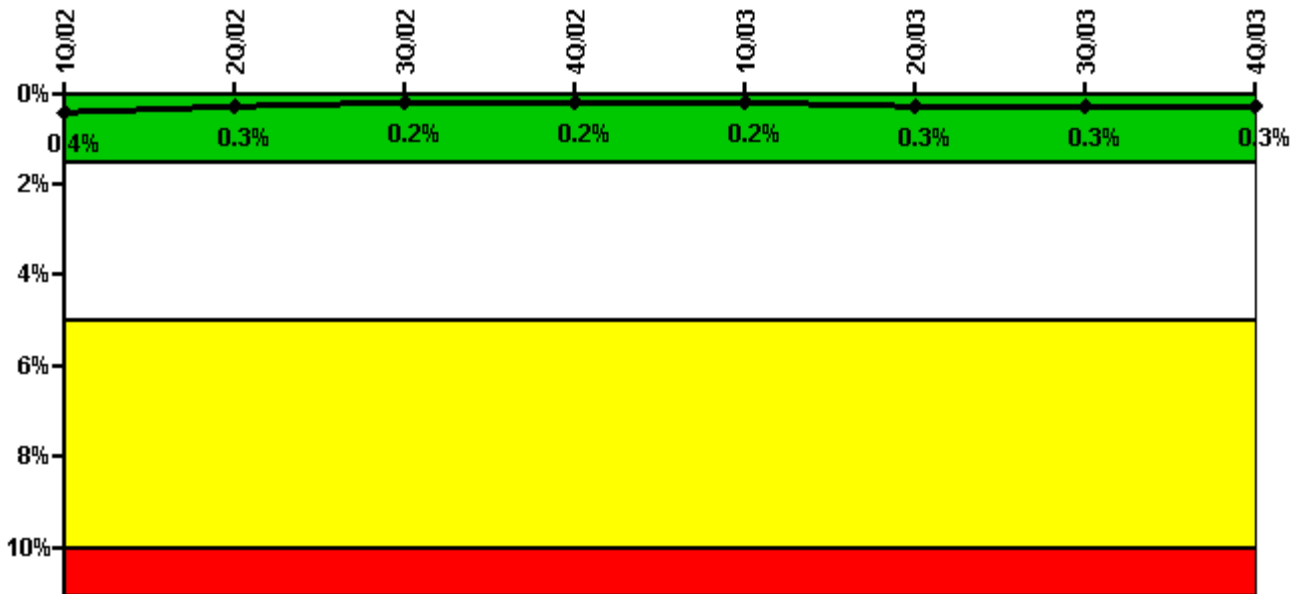
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	50.15	0	34.18	21.32	0	0	56.39	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	61.25	41.73	0	0	19.60	0	37.08
Unplanned unavailable hours	0	20.90	0	0	0	0	0	5.65
Fault exposure hours	0	85.35	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.5%	1.7%	1.8%	1.5%	1.4%	1.4%	1.5%	1.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

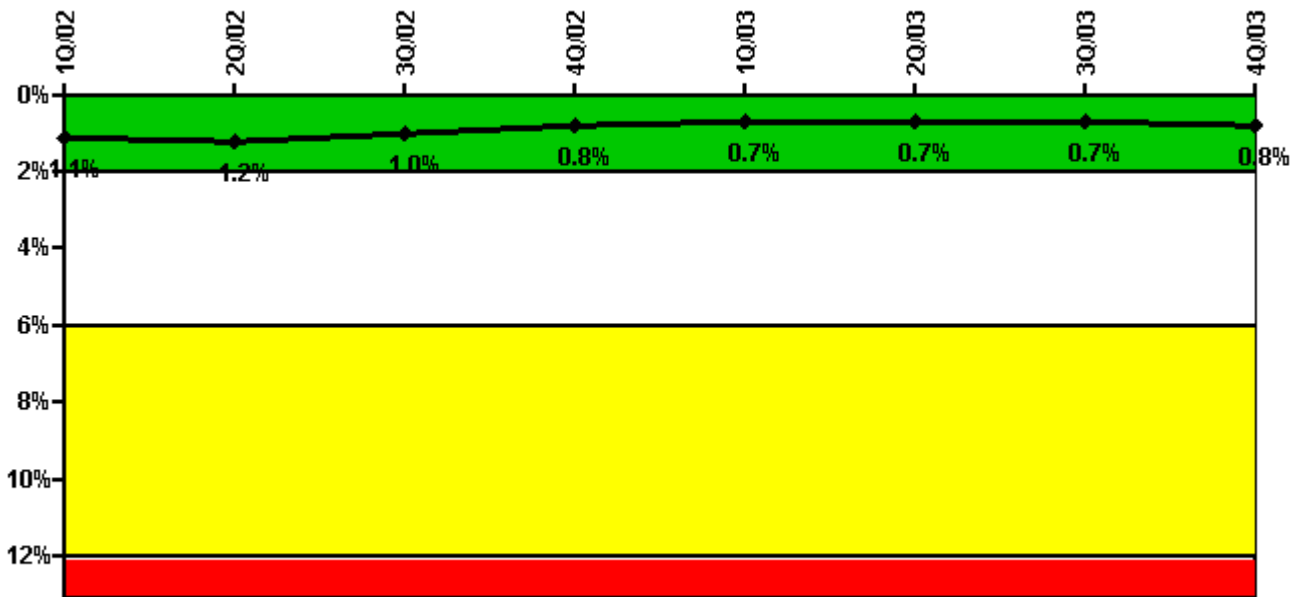
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	3.60	2.10	0	11.10	0	27.30	1.00	0
Unplanned unavailable hours	0	0.80	0	1.80	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	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90
Train 2								
Planned unavailable hours	5.60	13.20	3.30	8.60	0	12.70	11.40	0
Unplanned unavailable hours	0	0	0	1.30	3.80	13.70	0	3.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90
Train 3								
Planned unavailable hours	2.70	0	0	5.40	0	29.60	16.50	0
Unplanned unavailable hours	0	0.80	0	1.80	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	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90
Train 4								
Planned unavailable hours	3.50	13.20	0	5.10	0	19.60	0	8.40
Unplanned unavailable hours	0	0	0	1.30	3.80	13.70	0	3.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0

Required hours	2160.00	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90
Indicator value	0.4%	0.3%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

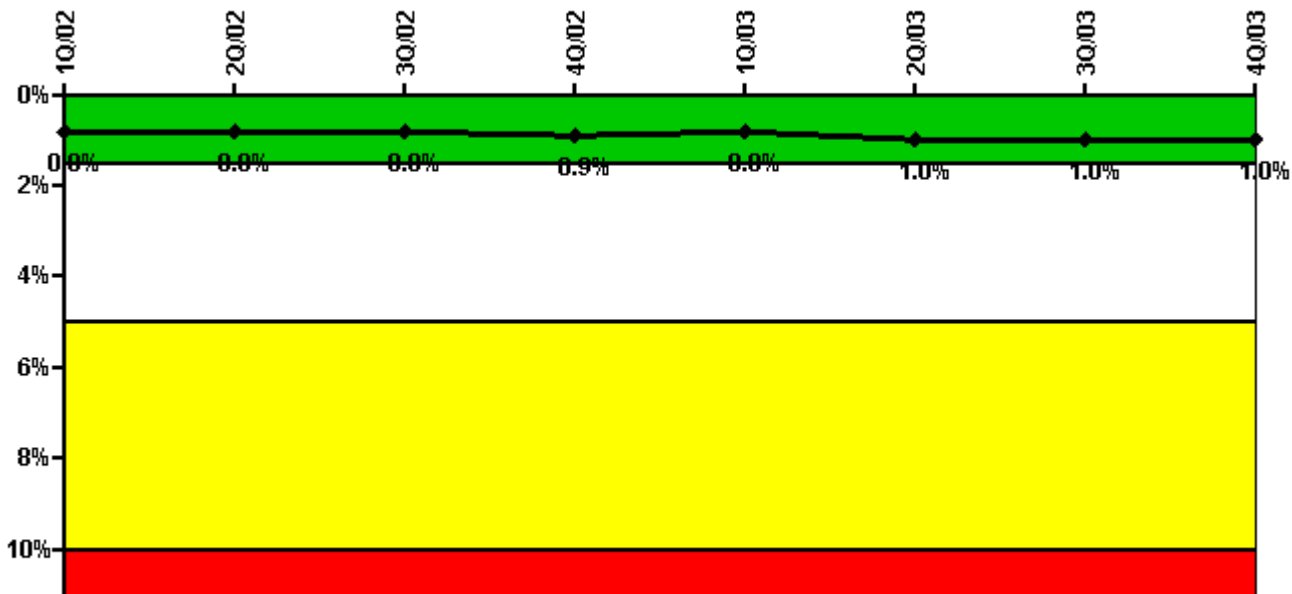
Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	30.90	15.47	28.32	3.71	4.12	40.22	30.66	2.50
Unplanned unavailable hours	0	0.75	0	1.77	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	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30	1300.40
Train 2								
Planned unavailable hours	38.22	17.11	6.80	2.20	0.50	47.92	1.82	1.55
Unplanned unavailable hours	0	0	0	1.26	3.80	13.67	0	3.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30	1300.40
Train 3								

Planned unavailable hours	21.32	3.52	26.78	12.10	31.09	19.83	12.70	16.55
Unplanned unavailable hours	0	0	0	0	0	3.27	6.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30	1300.40
Indicator value	1.1%	1.2%	1.0%	0.8%	0.7%	0.7%	0.7%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

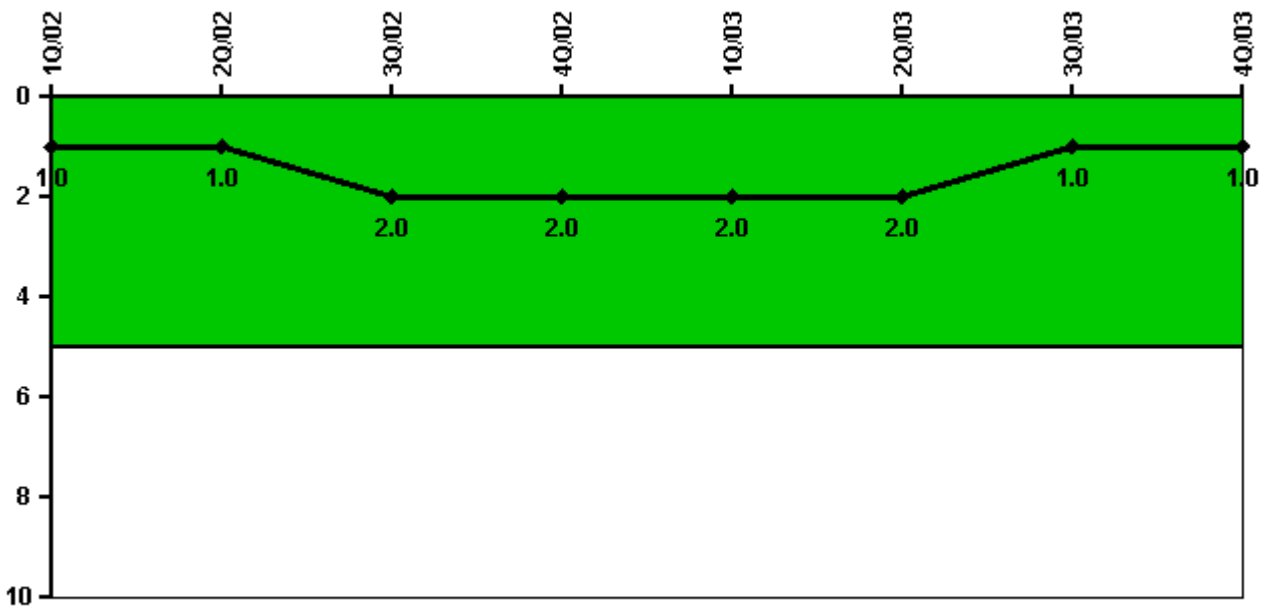
Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	94.20	0	0	21.60	0	73.30	28.40	0
Unplanned unavailable hours	0	27.10	0	30.60	0	0.70	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	80.20	21.80	0	0	0	35.40	0.80	1.50
Unplanned unavailable hours	0	0	0	27.50	11.80	13.70	0	3.50

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.8%	0.8%	0.8%	0.9%	0.8%	1.0%	1.0%	1.0%

Licensee Comments:

3Q/03: Corrected value of Train 2 Planned Unavailable Hours from 0.40 to 0.80 (computational error)

Safety System Functional Failures (PWR)



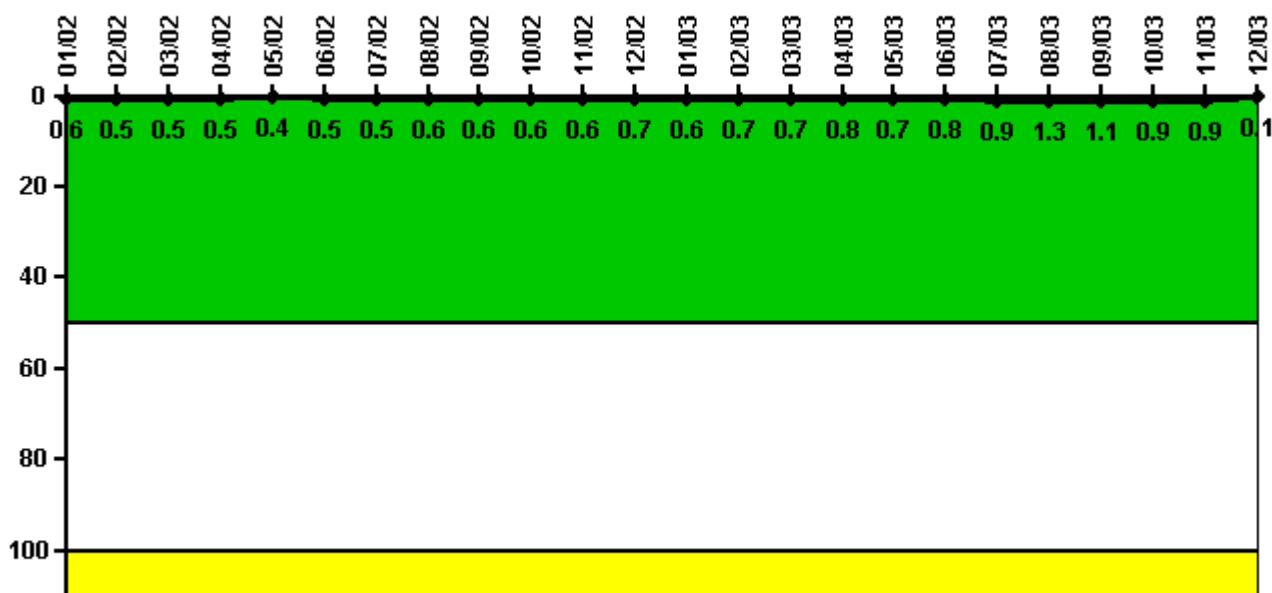
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

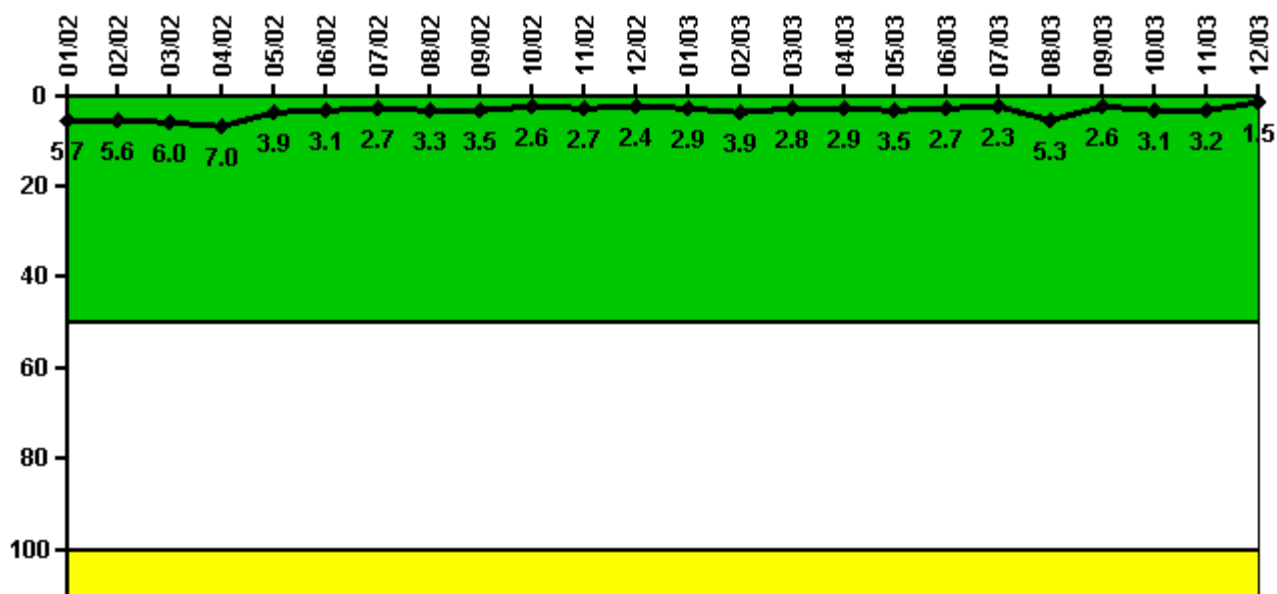
Notes

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	0.000389	0.000337	0.000335	0.000328	0.000241	0.000297	0.000320	0.000360	0.000380	0.000370	0.000410	0.000430
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.7

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	0.000410	0.000440	0.000445	0.000490	0.000452	0.000543	0.000580	0.000844	0.000700	0.000567	0.000561	0.000094
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.7	0.7	0.8	0.7	0.8	0.9	1.3	1.1	0.9	0.9	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

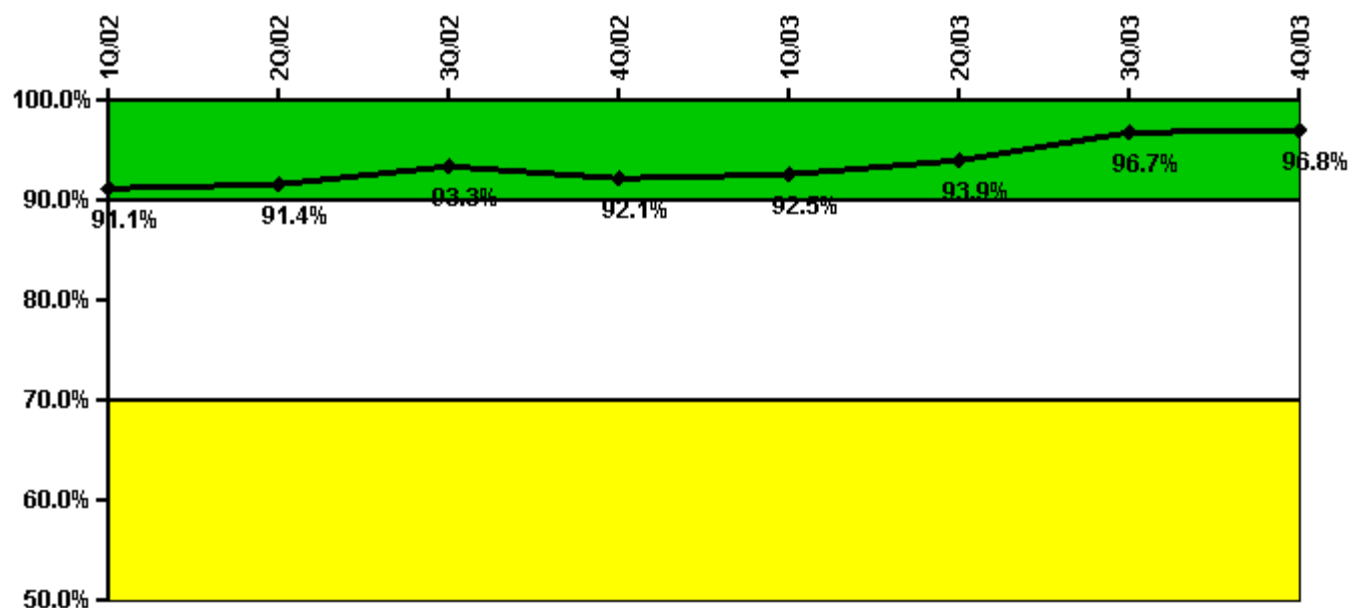
Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.569	0.563	0.598	0.698	0.385	0.310	0.270	0.330	0.350	0.256	0.274	0.240
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	5.7	5.6	6.0	7.0	3.9	3.1	2.7	3.3	3.5	2.6	2.7	2.4

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	0.290	0.389	0.284	0.294	0.349	0.273	0.232	0.532	0.262	0.312	0.323	0.145
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.9	3.9	2.8	2.9	3.5	2.7	2.3	5.3	2.6	3.1	3.2	1.5

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

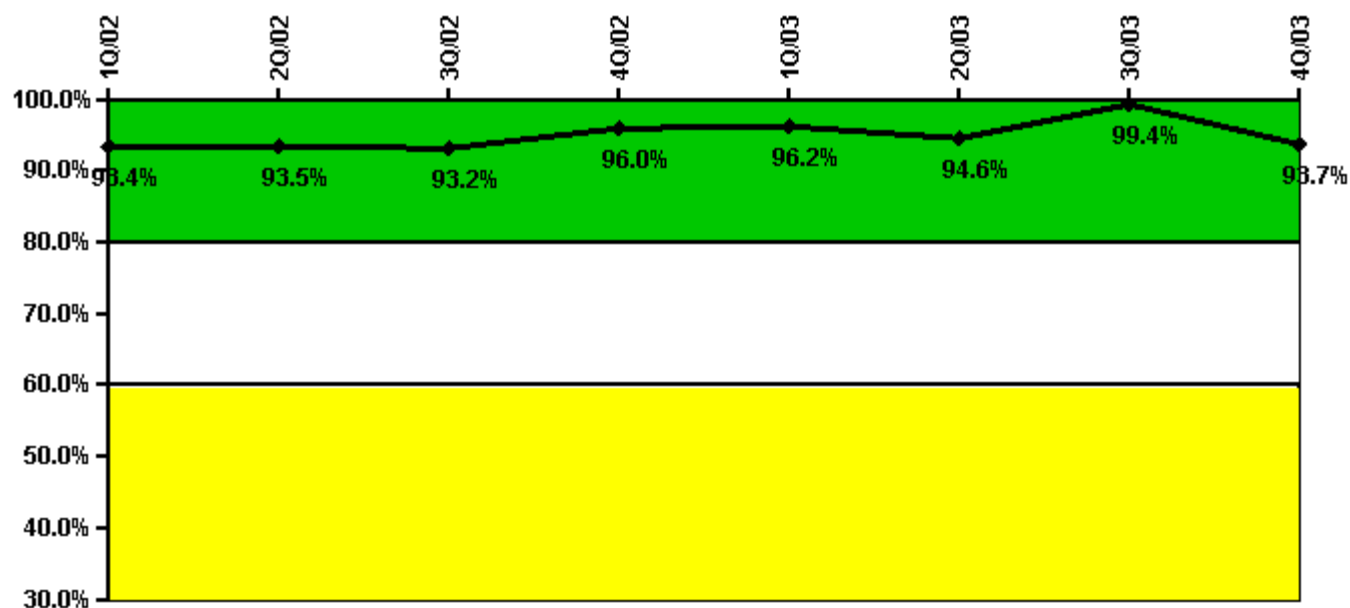
Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	16.0	8.0	71.0	40.0	18.0	78.0	80.0	22.0
Total opportunities	16.0	8.0	74.0	46.0	18.0	78.0	82.0	22.0
Indicator value	91.1%	91.4%	93.3%	92.1%	92.5%	93.9%	96.7%	96.8%

Licensee Comments:

1Q/02: Amended value of successful opportunities and total opportunities from null to zero for 2002-01 and 2002-02

ERO Drill Participation



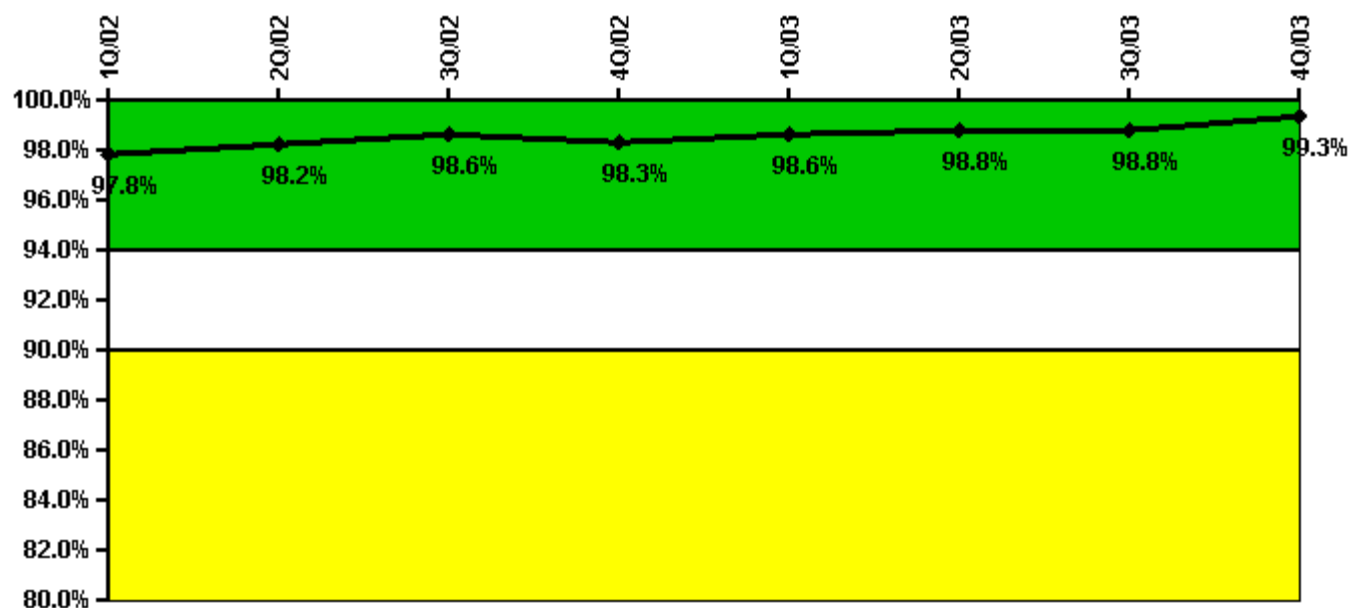
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	184.0	186.0	177.0	192.0	177.0	175.0	159.0	149.0
Total Key personnel	197.0	199.0	190.0	200.0	184.0	185.0	160.0	159.0
Indicator value	93.4%	93.5%	93.2%	96.0%	96.2%	94.6%	99.4%	93.7%

Licensee Comments: none

Alert & Notification System



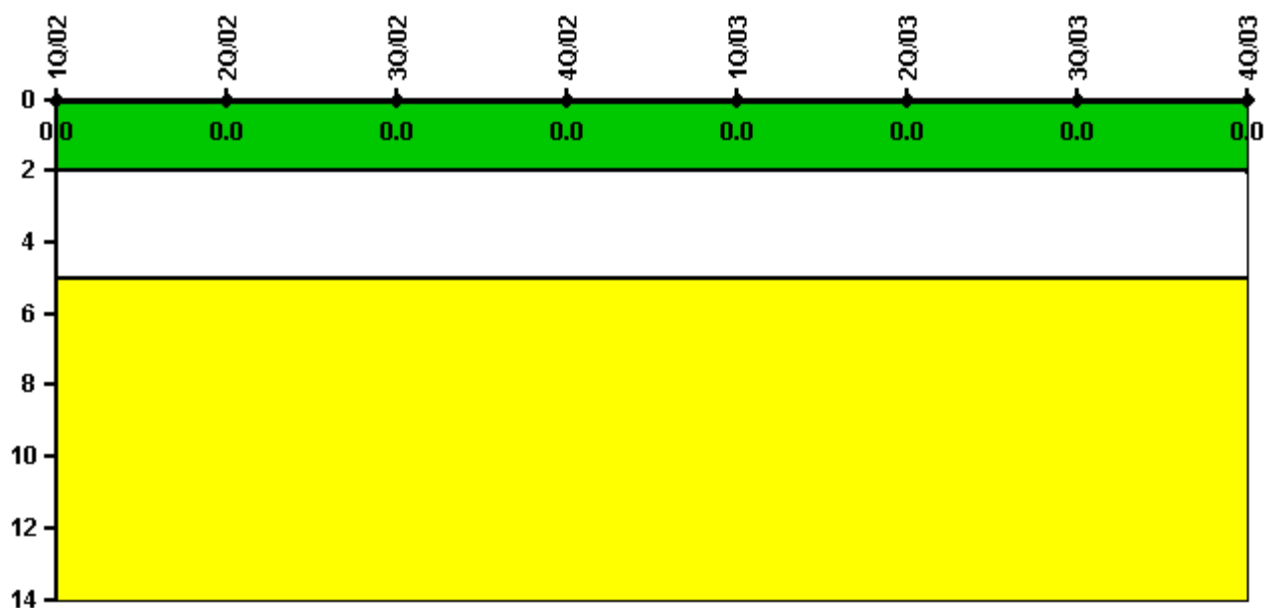
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	2337	2253	2251	2248	2220	2386	2457	2375
Total sirens-tests	2375	2288	2281	2302	2225	2403	2492	2388
Indicator value	97.8%	98.2%	98.6%	98.3%	98.6%	98.8%	98.8%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness

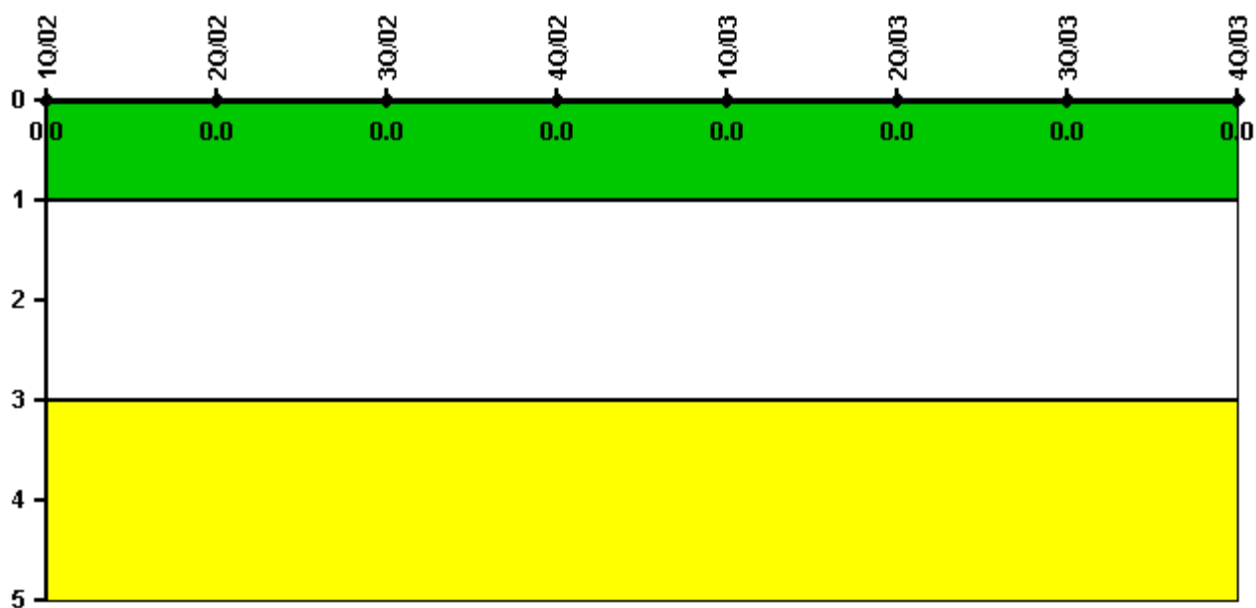


Thresholds: White > 2.0 Yellow > 5.0

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	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent

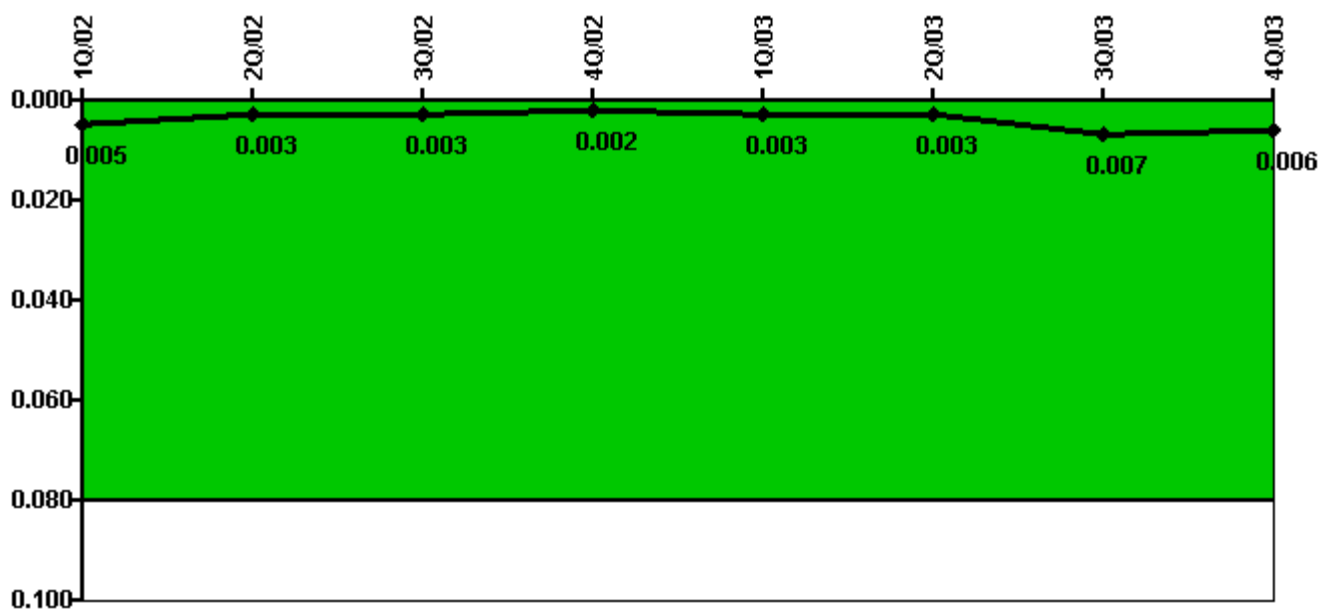
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



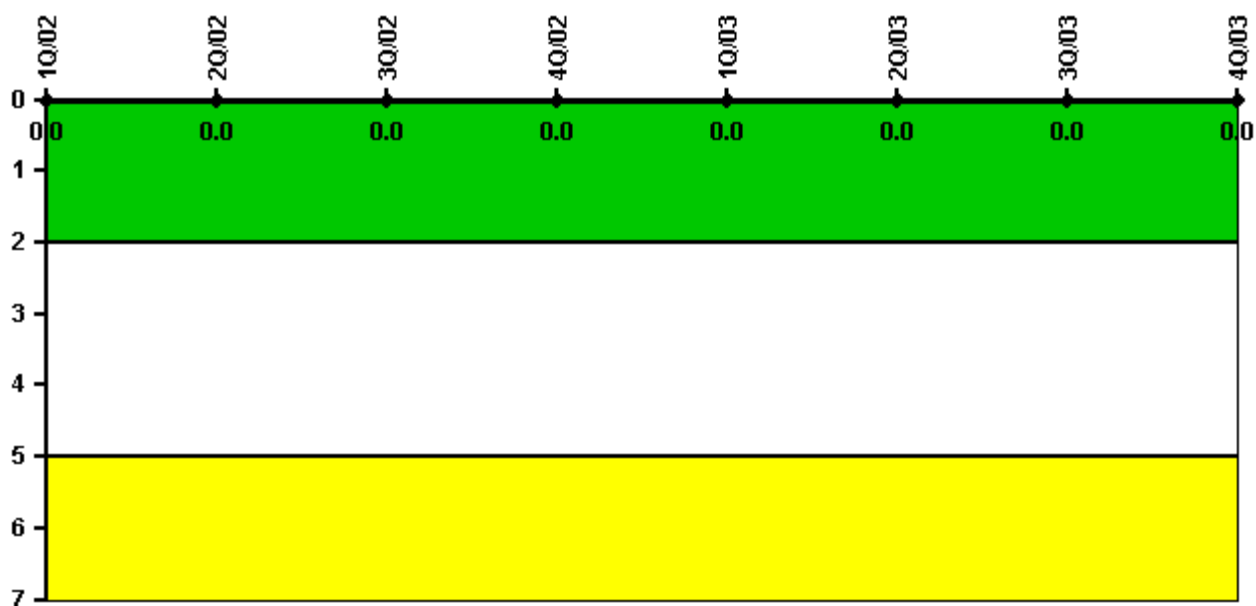
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	20.00	5.10	2.10	62.30	29.00	28.50	146.20	1.80
CCTV compensatory hours	0	0	0	0	3.6	0	7.5	2.2
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.005	0.003	0.003	0.002	0.003	0.003	0.007	0.006

Licensee Comments: none

Personnel Screening Program



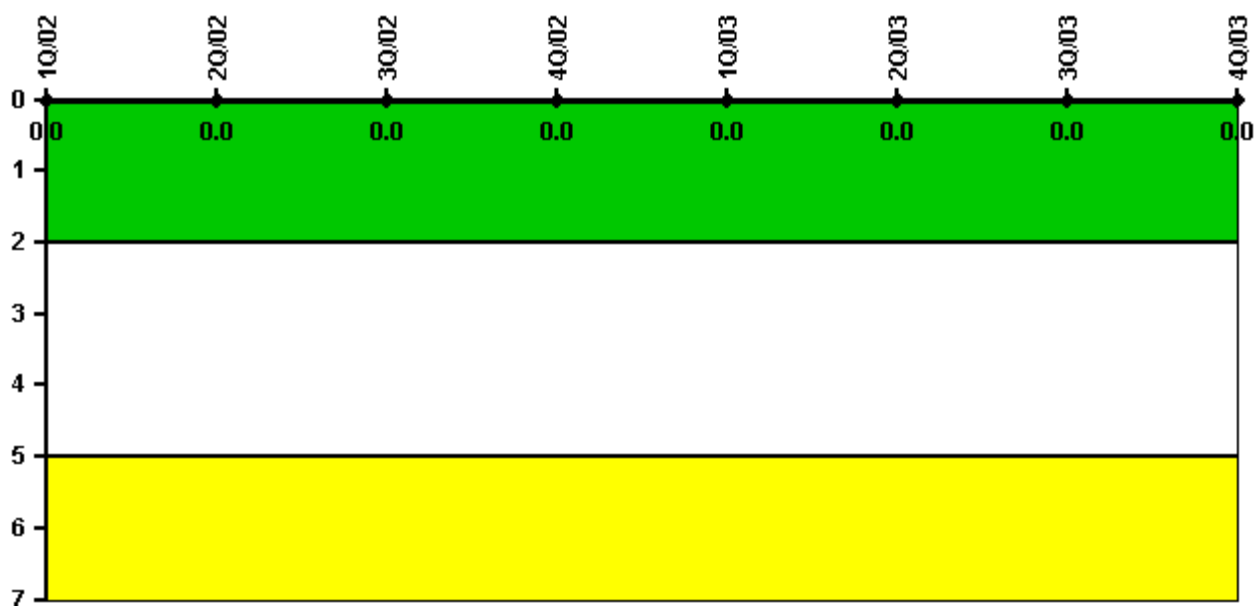
Thresholds: White > 2.0 Yellow > 5.0

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](#)

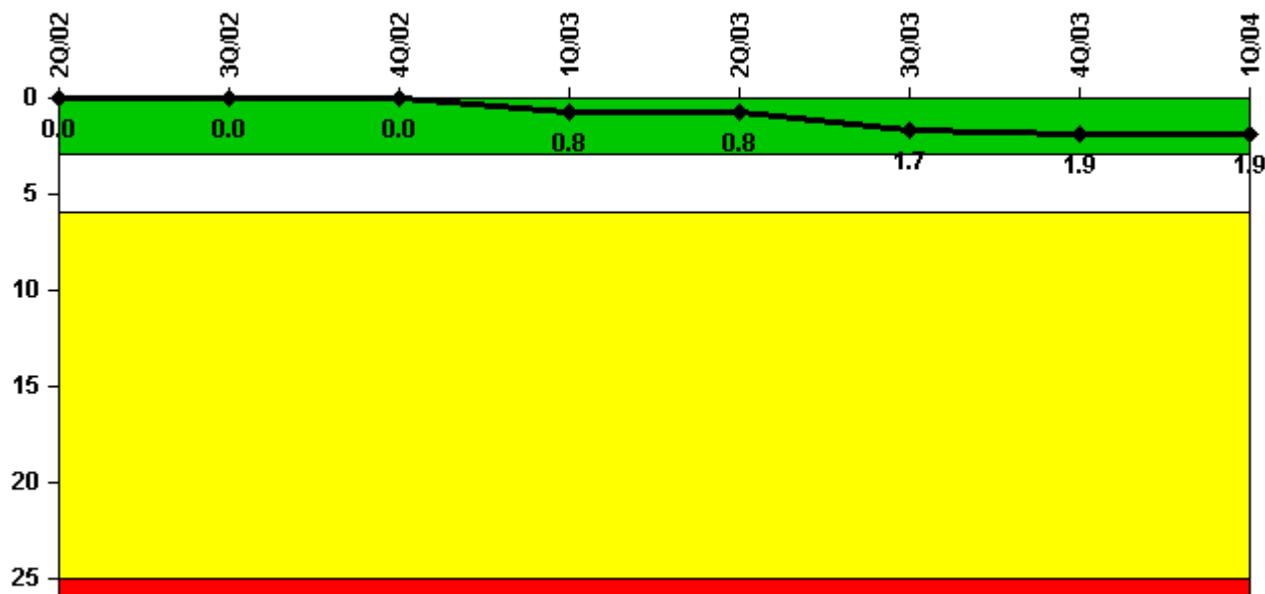
Last Modified: January 23, 2004

Catawba 1

1Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



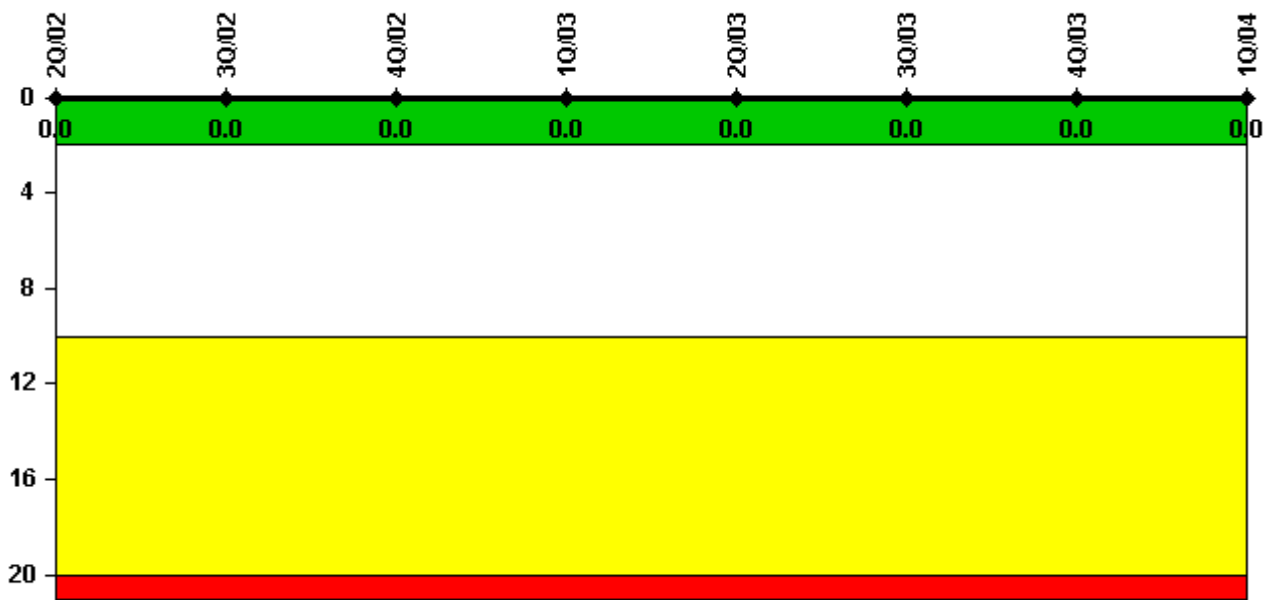
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	1.0	0	1.0	0	1.0
Critical hours	1695.0	2208.0	2209.0	2129.0	2183.0	1944.7	1226.8	2074.1
Indicator value	0	0	0	0.8	0.8	1.7	1.9	1.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



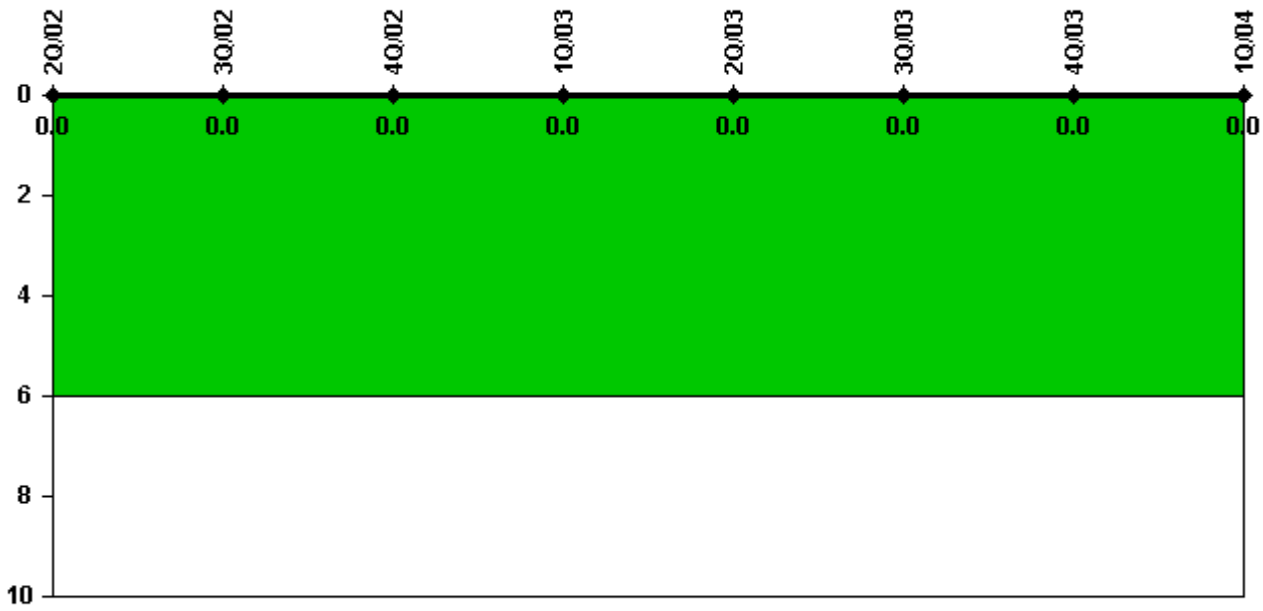
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



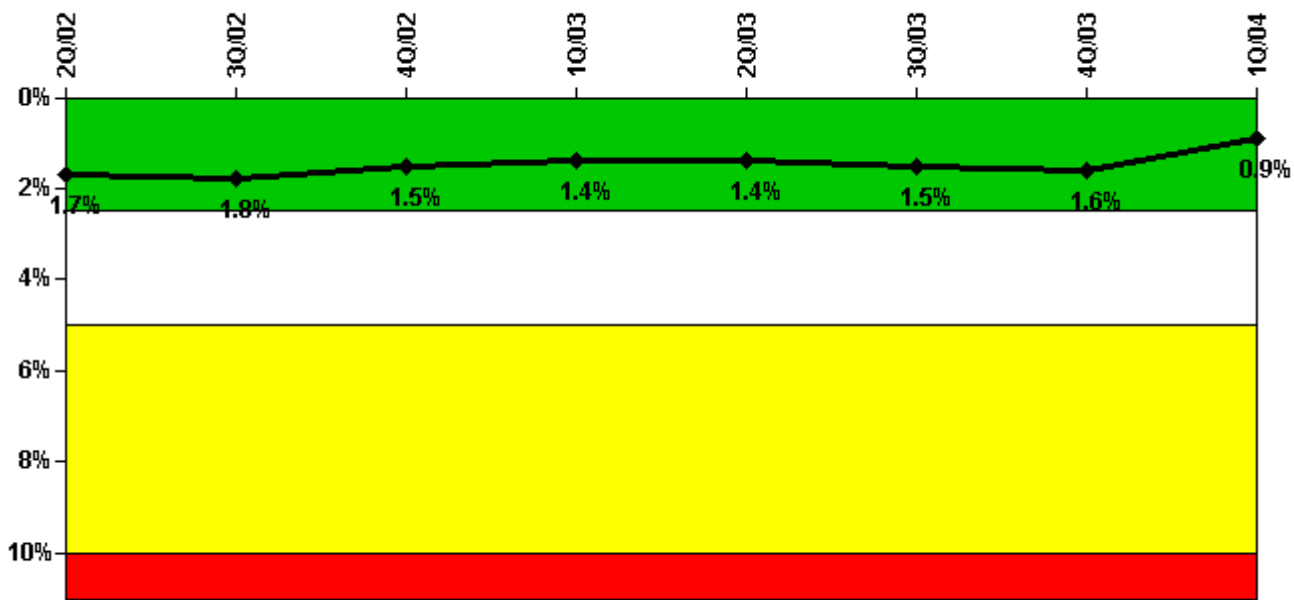
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1695.0	2208.0	2209.0	2129.0	2183.0	1944.7	1226.8	2074.1
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



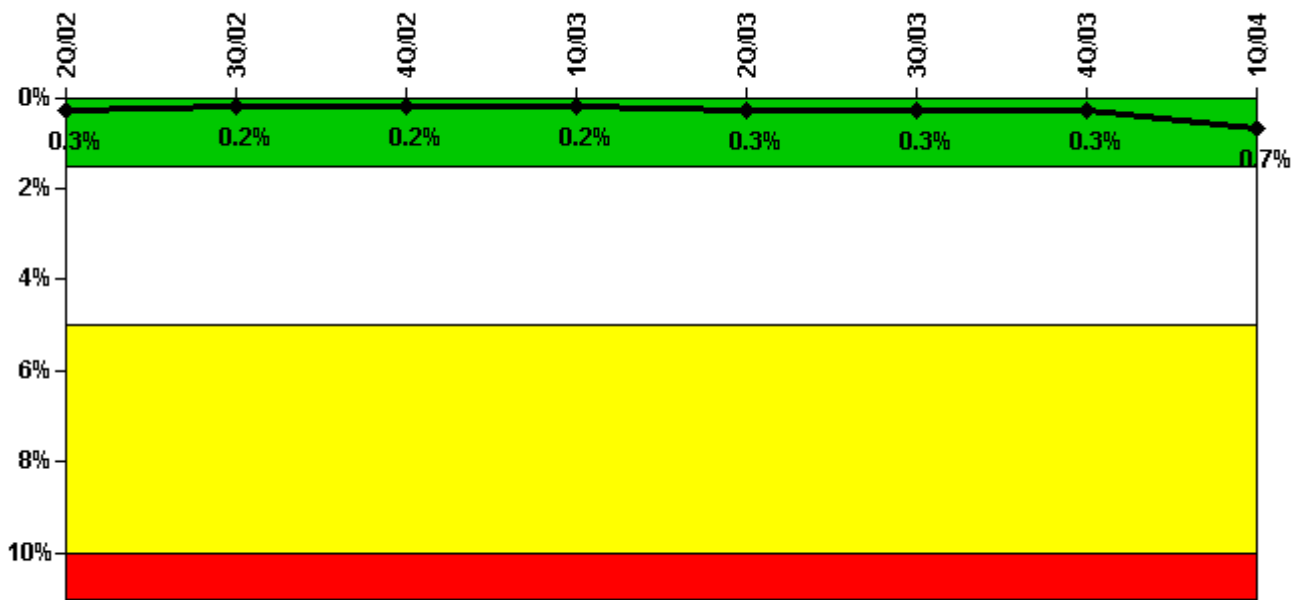
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0	34.18	21.32	0	0	56.39	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	16.28
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	61.25	41.73	0	0	19.60	0	37.08	0
Unplanned unavailable hours	20.90	0	0	0	0	0	5.65	0
Fault exposure hours	85.35	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	1.7%	1.8%	1.5%	1.4%	1.4%	1.5%	1.6%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	2.38	0.54	11.37	0.25	27.30	1.47	0	25.97
Unplanned unavailable hours	0.80	0	1.80	0	0	0	0	165.70
Fault exposure hours	0	0	0	0	0	0	0	2.00
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10
Train 2								
Planned unavailable hours	13.78	3.72	9.05	0.35	13.20	11.93	0.48	5.50
Unplanned unavailable hours	0	0	1.30	3.80	13.70	0	3.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10
Train 3								
Planned unavailable hours	0	0	5.40	0	29.60	16.50	0	0
Unplanned unavailable hours	0.80	0	1.80	0	0	0	0	165.70
Fault exposure hours	0	0	0	0	0	0	0	2.00
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10
Train 4								
Planned unavailable hours	13.20	0	5.10	0	19.60	0	8.40	0
Unplanned unavailable hours	0	0	1.30	3.80	13.70	0	3.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1695.00	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10
Indicator value	0.3%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.7%

Licensee Comments:

4Q/03: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

3Q/03: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

2Q/03: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

1Q/03: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

4Q/02: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

3Q/02: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

2Q/02: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

1Q/02: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

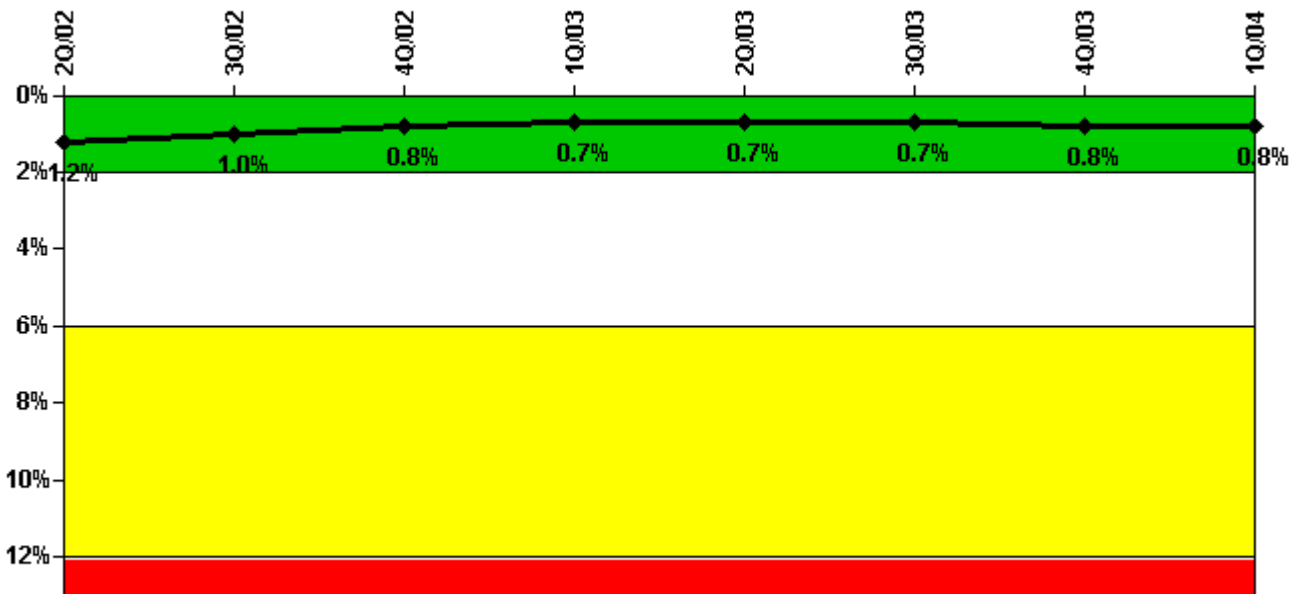
4Q/01: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

3Q/01: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

2Q/01: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

1Q/01: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

Safety System Unavailability, Heat Removal System (AFW)



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

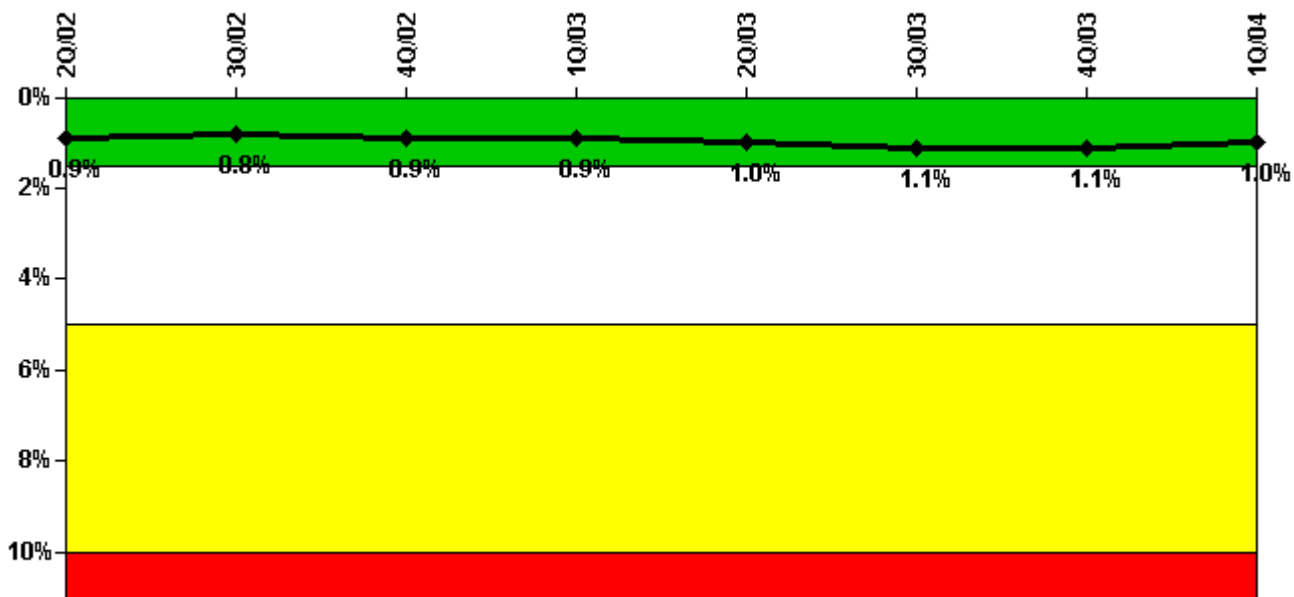
Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	15.47	28.32	3.71	4.12	40.22	30.66	2.50	2.10
Unplanned unavailable hours	0.75	0	1.77	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	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30	1300.40	2184.00
Train 2								

Planned unavailable hours	17.11	6.80	2.20	0.50	47.92	1.82	1.55	8.03
Unplanned unavailable hours	0	0	1.26	3.80	13.67	0	3.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30	1300.40	2184.00
Train 3								
Planned unavailable hours	3.52	26.78	12.10	31.09	19.83	12.70	16.55	2.18
Unplanned unavailable hours	0	0	0	0	3.27	6.70	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1751.45	2208.00	2209.00	2160.00	2183.00	2013.30	1300.40	2184.00
Indicator value	1.2%	1.0%	0.8%	0.7%	0.7%	0.7%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0.90	4.42	21.90	0.27	73.62	28.75	0	0.37
Unplanned unavailable hours	27.10	0	30.60	0	0.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	22.30	0.28	0.40	0.43	35.40	1.22	2.03	0.30
Unplanned unavailable hours	0	0	27.50	12.21	13.70	0	3.50	0

Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.9%	0.8%	0.9%	0.9%	1.0%	1.1%	1.1%	1.0%

Licensee Comments:

4Q/03: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

3Q/03: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

2Q/03: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004)..

1Q/03: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

4Q/02: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

3Q/02: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

2Q/02: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

1Q/02: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

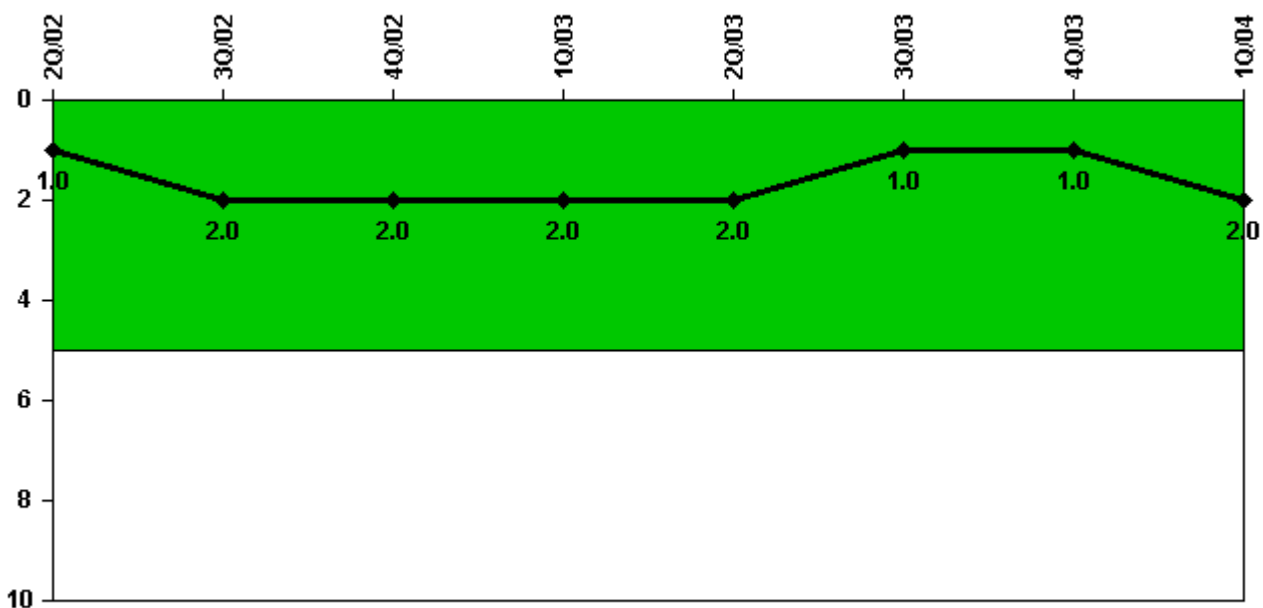
4Q/01: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

3Q/01: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

2Q/01: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

1Q/01: Revised to include no-mode hours in "hours train required" as a result of URI 03-05-02 (Revised 1Q2004).

Safety System Functional Failures (PWR)



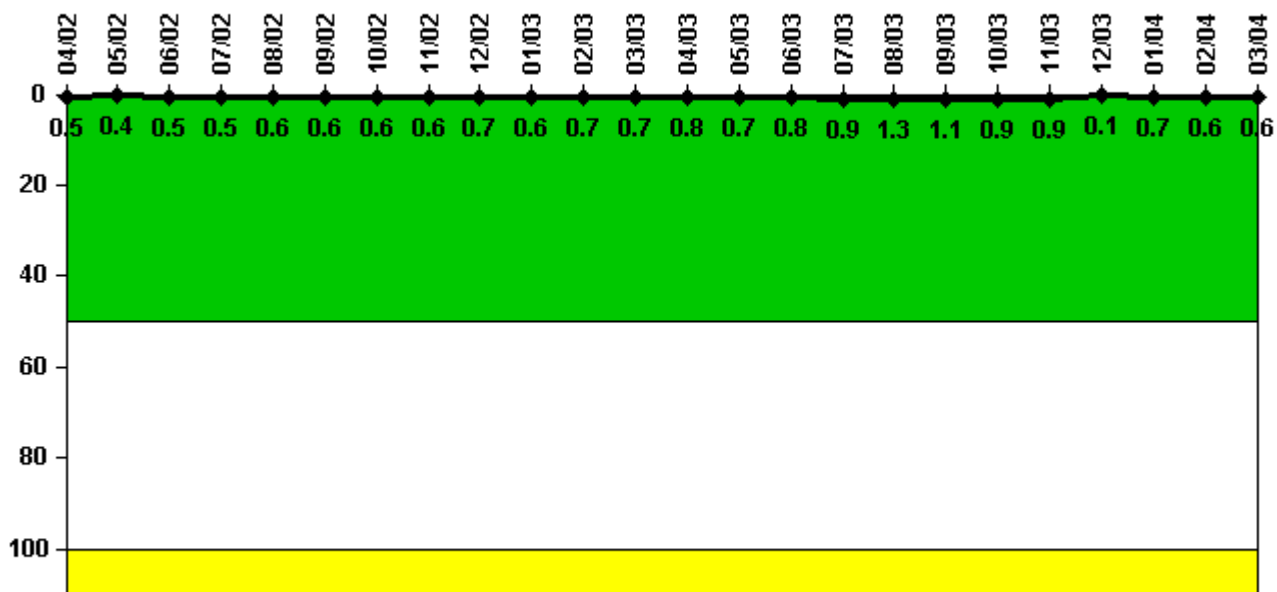
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

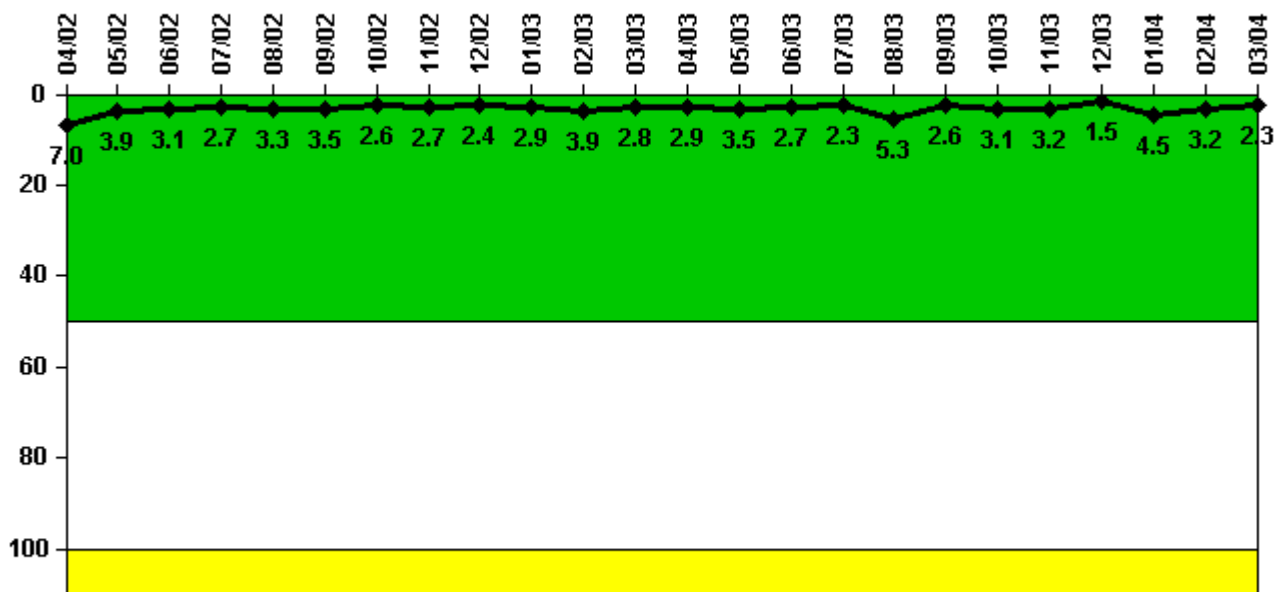
Notes

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000328	0.000241	0.000297	0.000320	0.000360	0.000380	0.000370	0.000410	0.000430	0.000410	0.000440	0.000445
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7

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	0.000490	0.000452	0.000543	0.000580	0.000844	0.000700	0.000567	0.000561	0.000094	0.000454	0.000388	0.000364
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.8	0.7	0.8	0.9	1.3	1.1	0.9	0.9	0.1	0.7	0.6	0.6

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

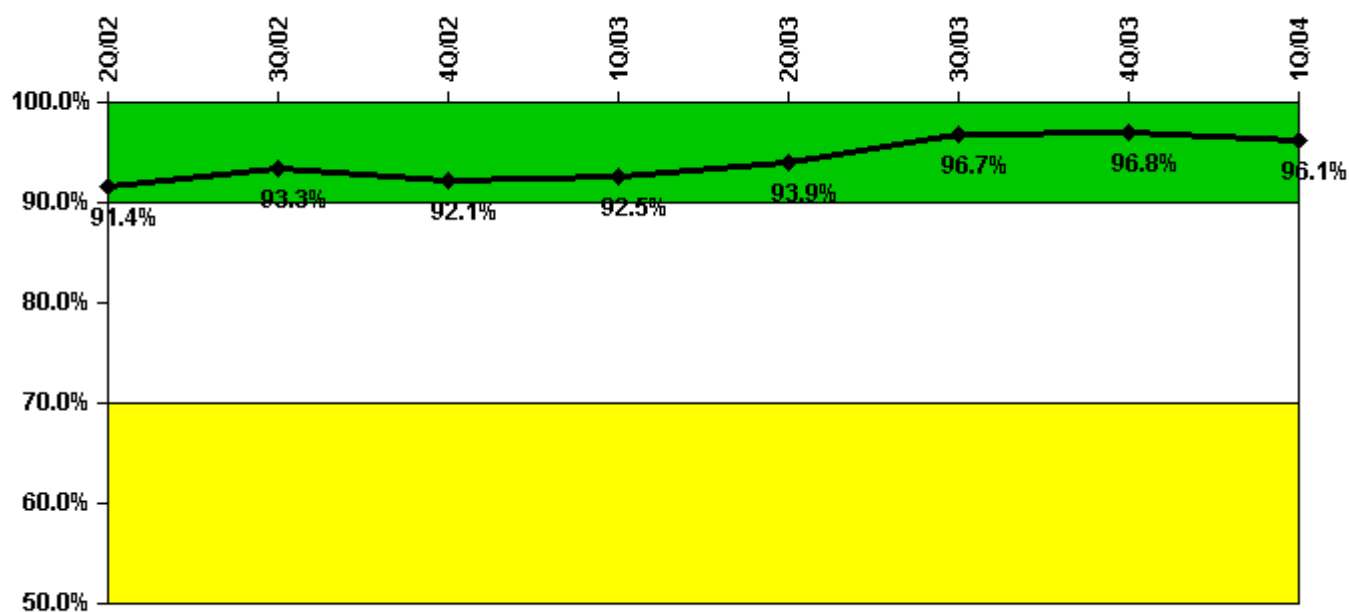
Notes

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.698	0.385	0.310	0.270	0.330	0.350	0.256	0.274	0.240	0.290	0.389	0.284
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	7.0	3.9	3.1	2.7	3.3	3.5	2.6	2.7	2.4	2.9	3.9	2.8

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.294	0.349	0.273	0.232	0.532	0.262	0.312	0.323	0.145	0.447	0.319	0.229
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.9	3.5	2.7	2.3	5.3	2.6	3.1	3.2	1.5	4.5	3.2	2.3

Licensee Comments: none

Drill/Exercise Performance



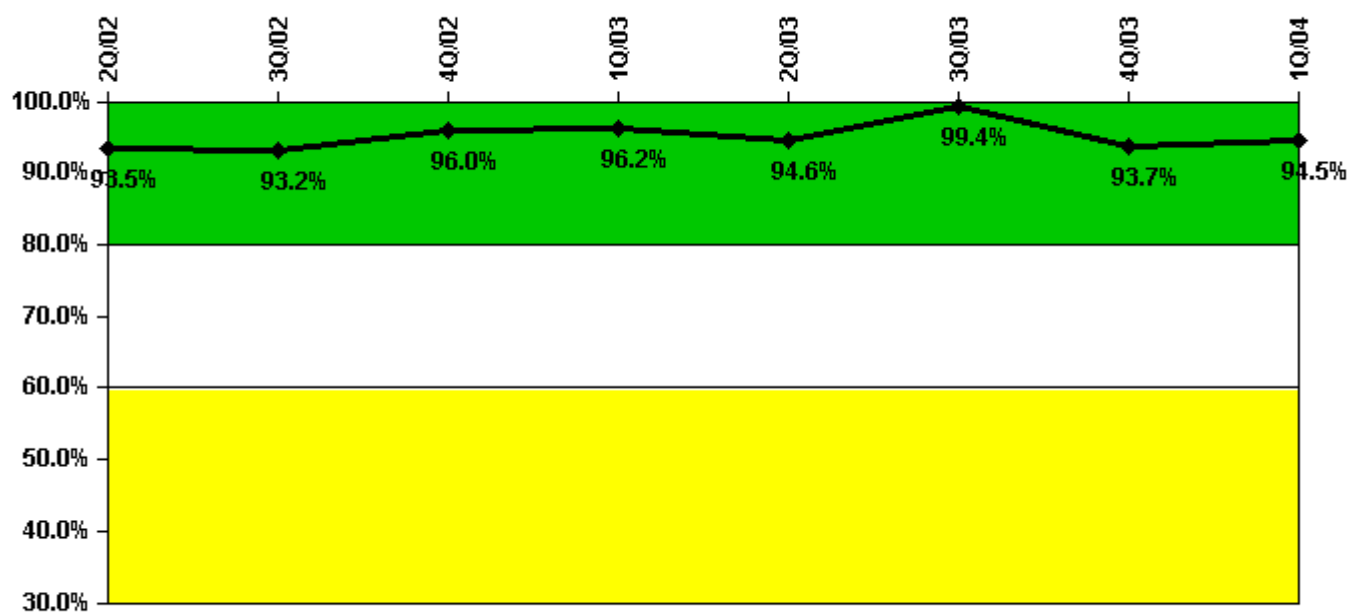
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	8.0	71.0	40.0	18.0	78.0	80.0	22.0	25.0
Total opportunities	8.0	74.0	46.0	18.0	78.0	82.0	22.0	28.0
Indicator value	91.4%	93.3%	92.1%	92.5%	93.9%	96.7%	96.8%	96.1%

Licensee Comments: none

ERO Drill Participation



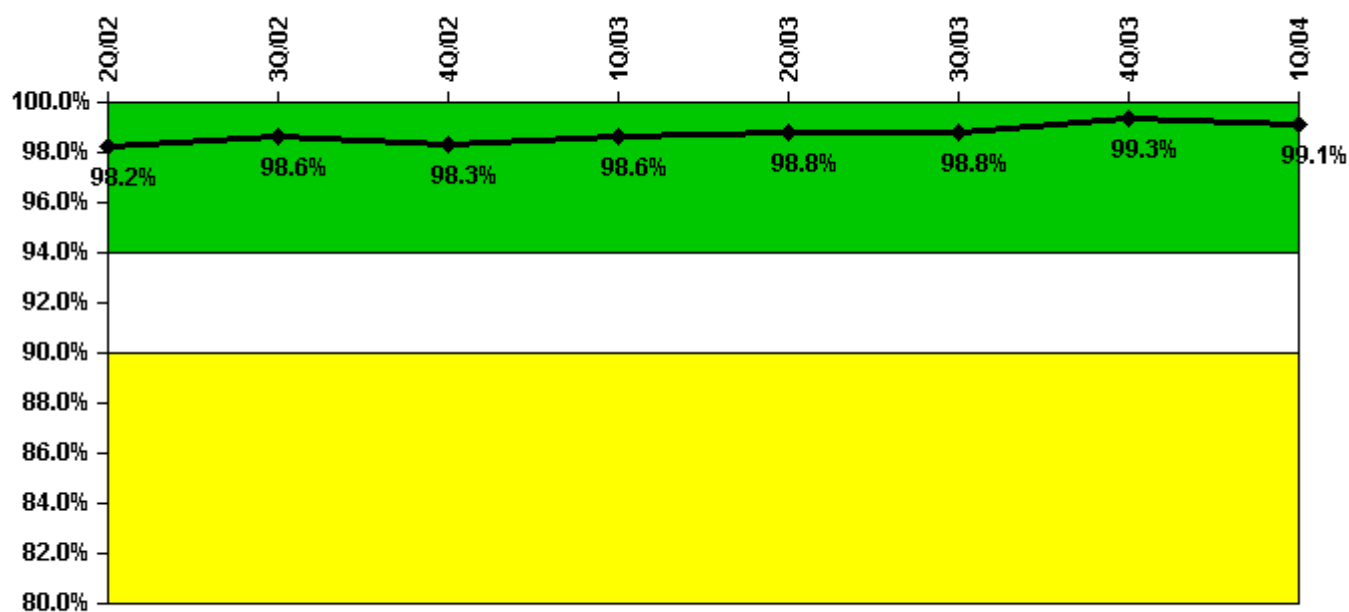
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	186.0	177.0	192.0	177.0	175.0	159.0	149.0	154.0
Total Key personnel	199.0	190.0	200.0	184.0	185.0	160.0	159.0	163.0
Indicator value	93.5%	93.2%	96.0%	96.2%	94.6%	99.4%	93.7%	94.5%

Licensee Comments: none

Alert & Notification System



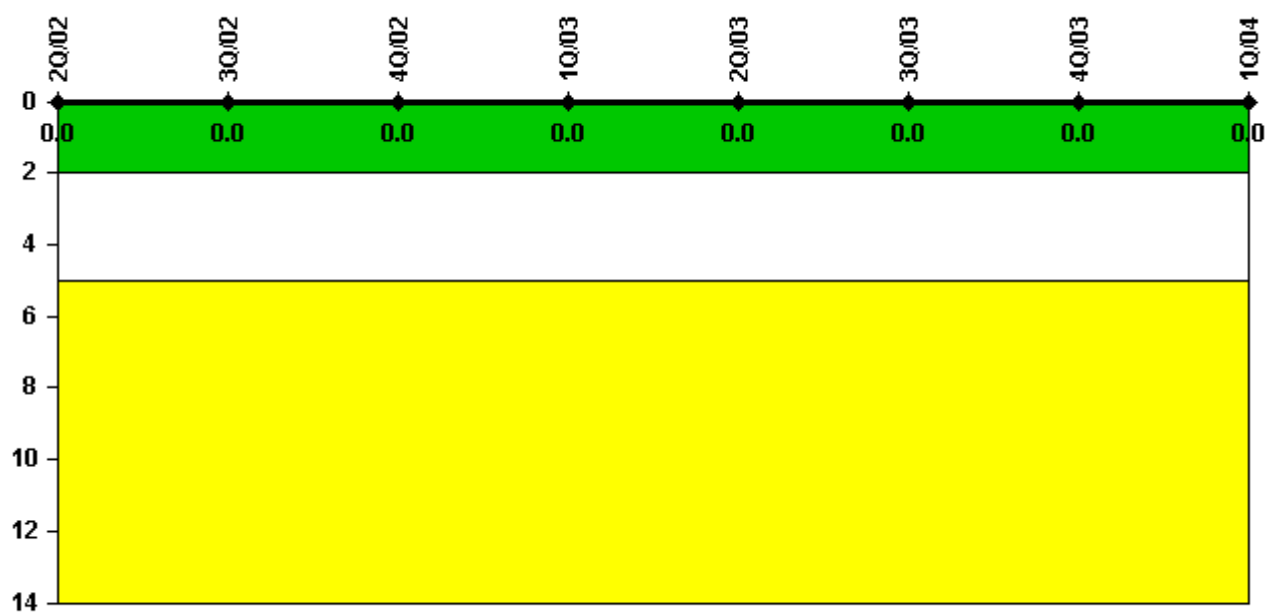
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	2253	2251	2248	2220	2386	2457	2375	2383
Total sirens-tests	2288	2281	2302	2225	2403	2492	2388	2403
Indicator value	98.2%	98.6%	98.3%	98.6%	98.8%	98.8%	99.3%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness

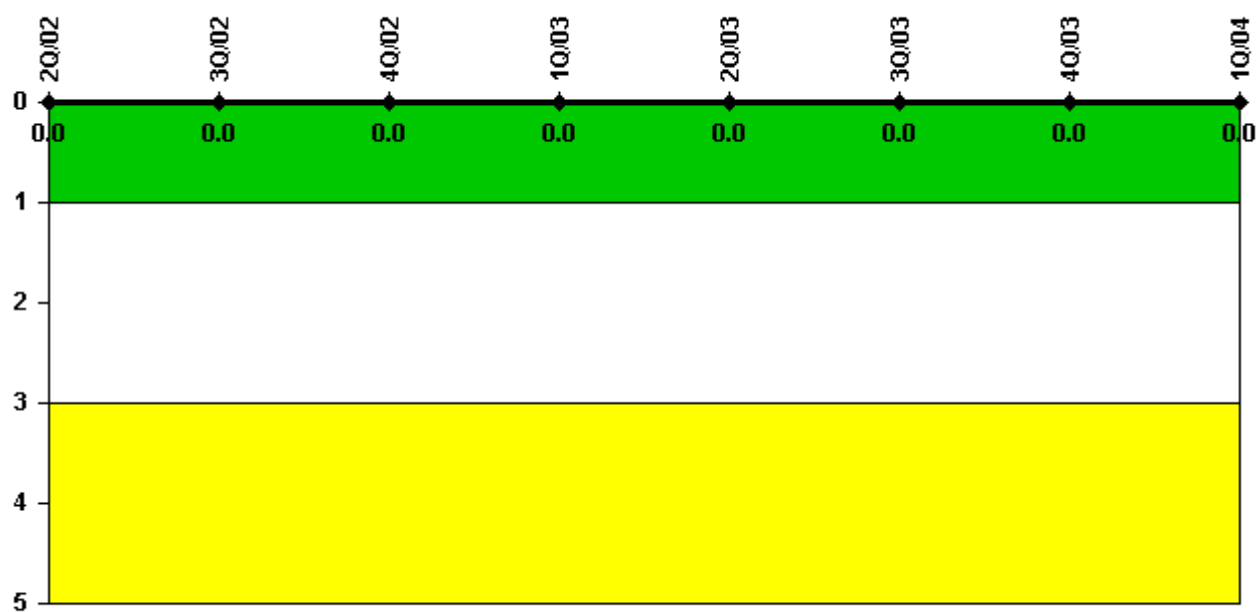


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent

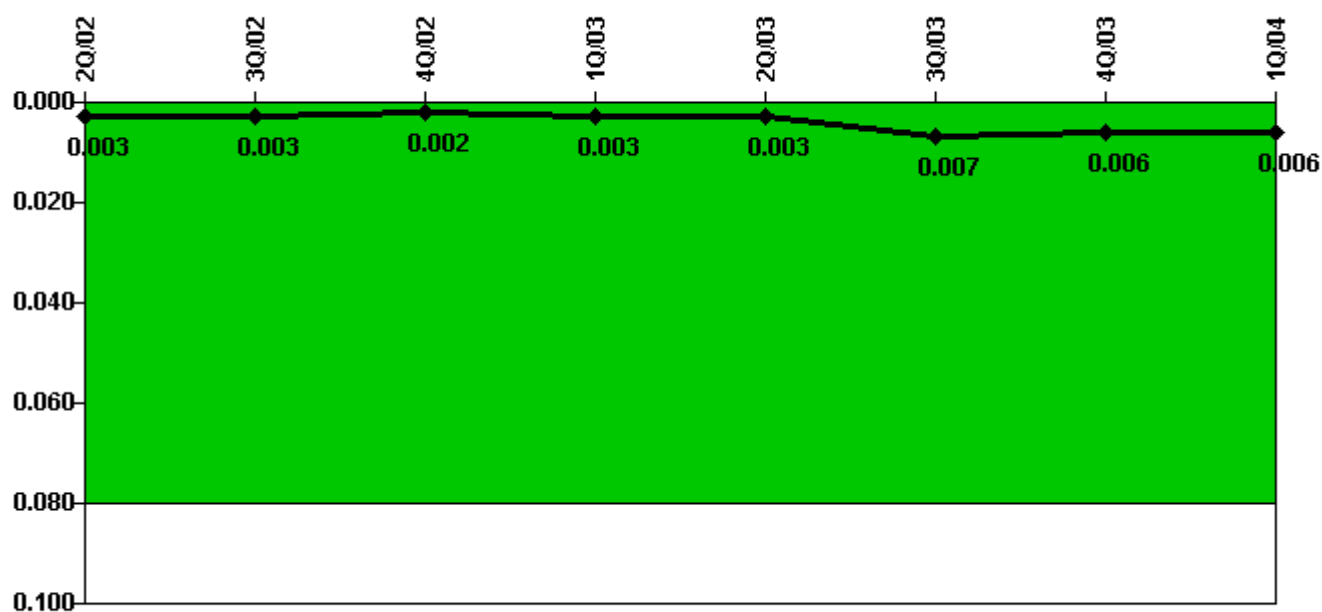
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



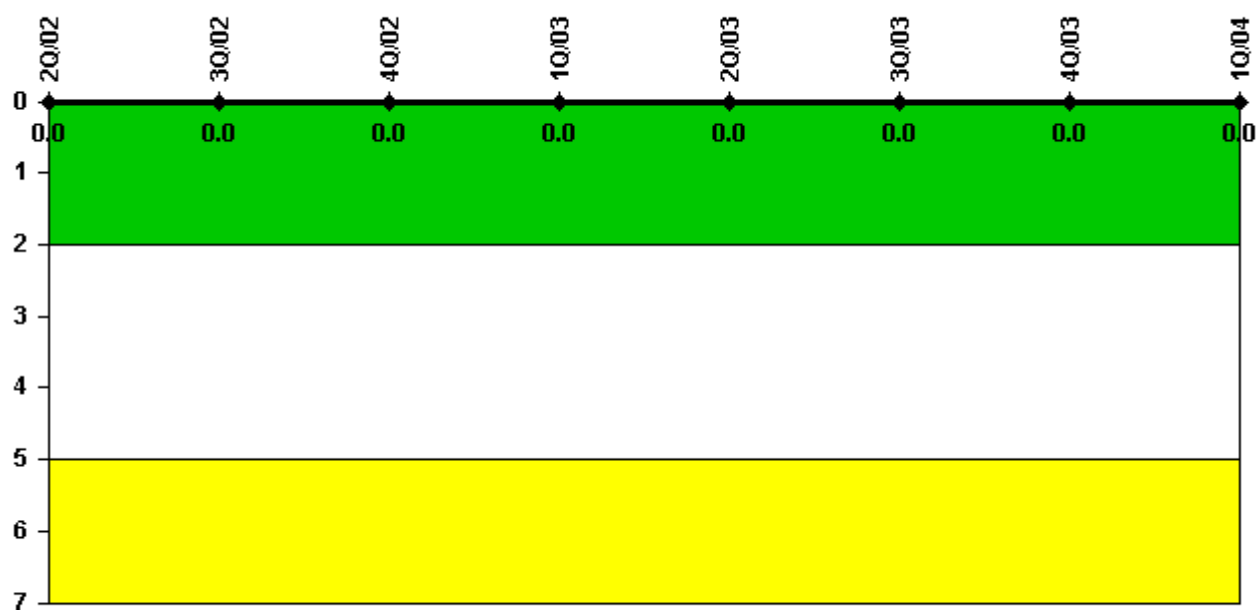
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
IDS compensatory hours	5.10	2.10	62.30	29.00	28.50	146.20	1.80	20.90
CCTV compensatory hours	0	0	0	3.6	0	7.5	2.2	12.2
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.003	0.003	0.002	0.003	0.003	0.007	0.006	0.006

Licensee Comments: none

Personnel Screening Program



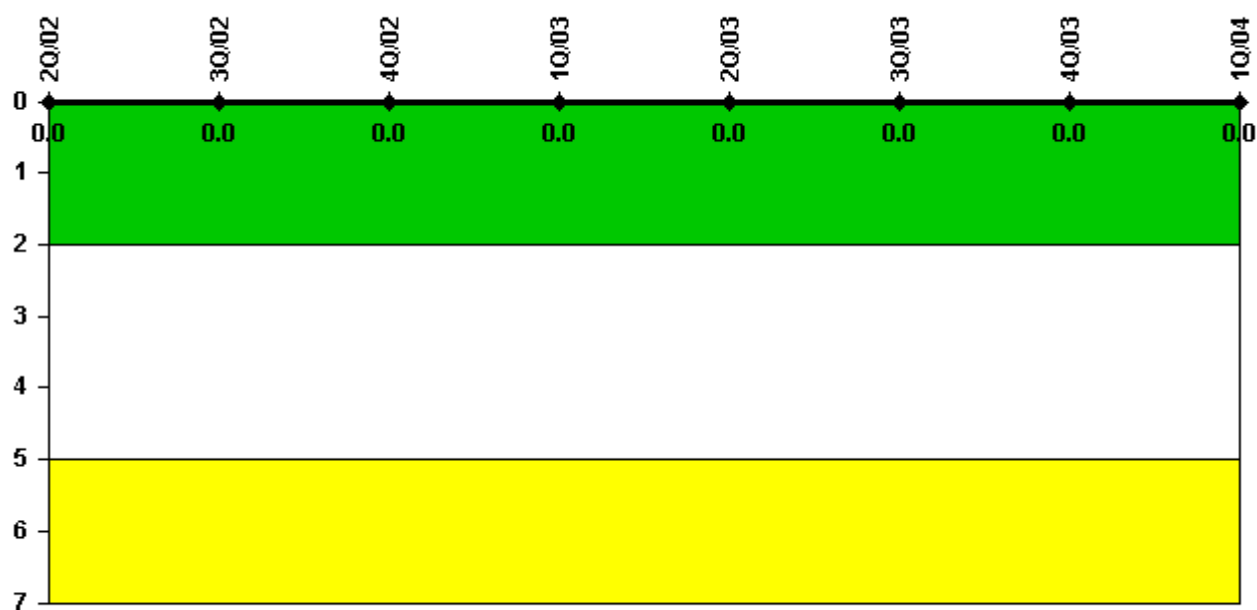
Thresholds: White > 2.0 Yellow > 5.0

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](#)

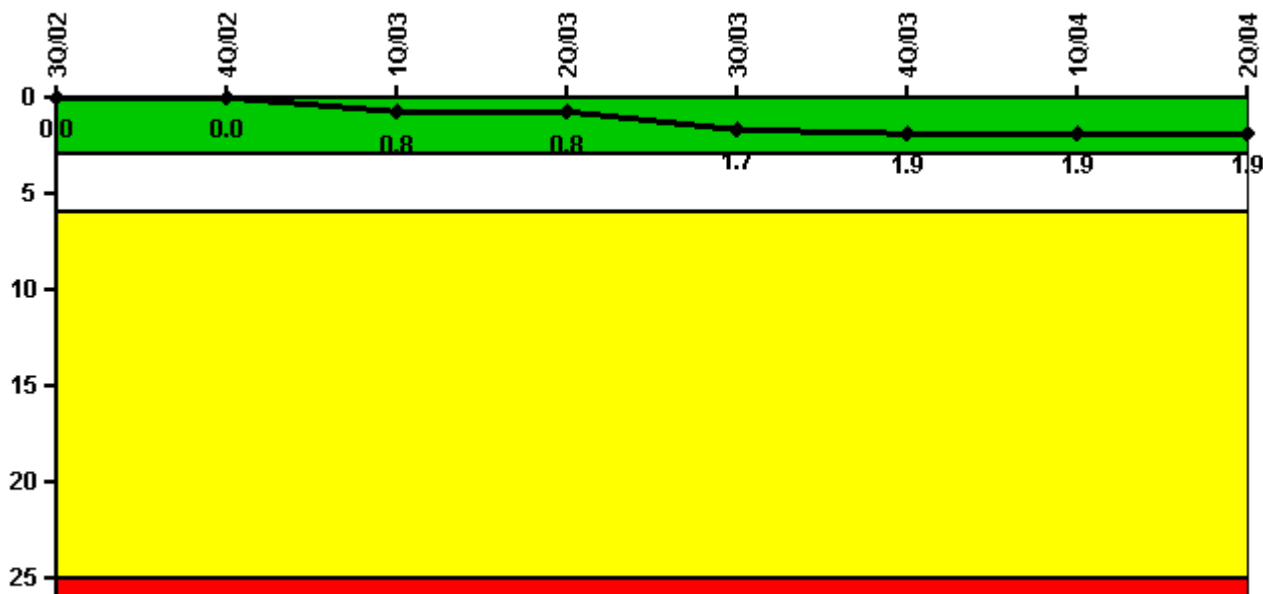
Last Modified: April 22, 2004

Catawba 1

2Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	0	1.0	0	1.0	0	1.0	0
Critical hours	2208.0	2209.0	2129.0	2183.0	1944.7	1226.8	2074.1	2183.0
Indicator value	0	0	0.8	0.8	1.7	1.9	1.9	1.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



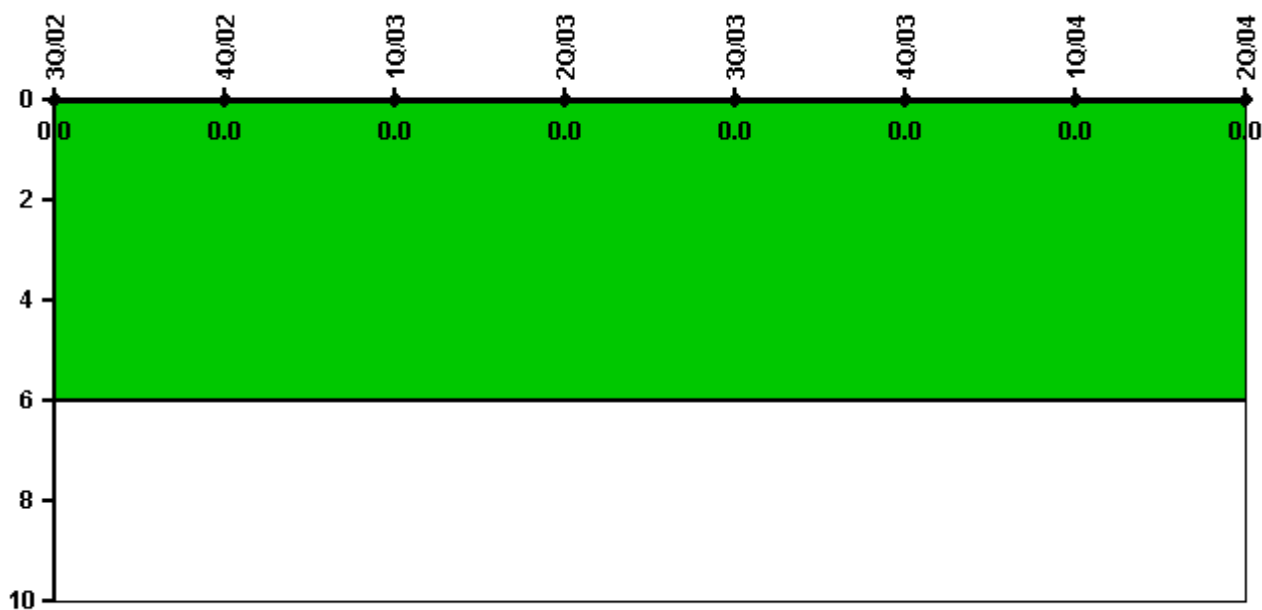
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



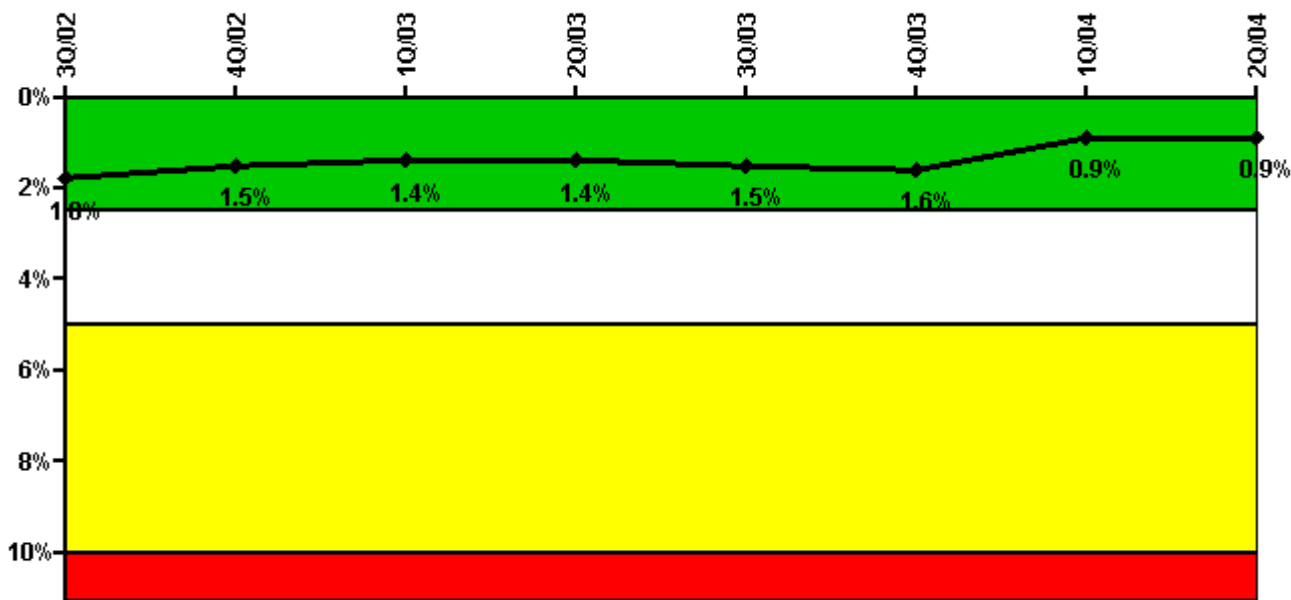
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2129.0	2183.0	1944.7	1226.8	2074.1	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

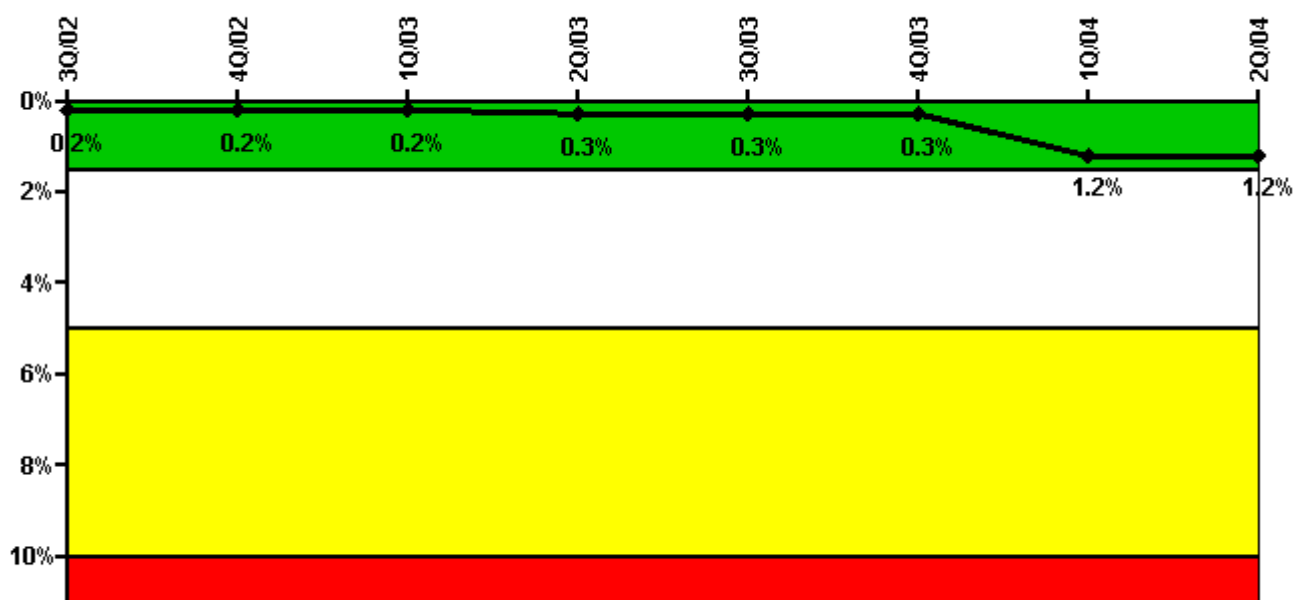
Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	34.18	21.32	0	0	56.39	0	0	8.15
Unplanned unavailable hours	0	0	0	0	0	0	16.28	5.37
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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	41.73	0	0	19.60	0	37.08	0	0
Unplanned unavailable hours	0	0	0	0	0	5.65	0	0
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	1.8%	1.5%	1.4%	1.4%	1.5%	1.6%	0.9%	0.9%

Licensee Comments:

2Q/04: This data does not include unavailability due to SSPS testing. Historical Mitigating System Safety System unavailability will be amended after a thorough accuracy review based on FAQ 290. No change in threshold will occur as a result of the amended data.
(Comment 2Q2004)

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0.54	11.37	0.25	27.30	1.47	0	25.97	3.31
Unplanned unavailable hours	0	1.80	0	0	0	0	165.70	0
Fault exposure hours	0	0	0	0	0	0	159.70	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00
Train 2								
Planned unavailable hours	3.72	9.05	0.35	13.20	11.93	0.48	5.50	4.02
Unplanned unavailable hours	0	1.30	3.80	13.70	0	3.50	0	0
Fault exposure hours	0	0	0	0	0	0	157.70	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00
Train 3								
Planned unavailable hours	0	5.40	0	29.60	16.50	0	0	3.01
Unplanned unavailable hours	0	1.80	0	0	0	0	165.70	0
Fault exposure hours	0	0	0	0	0	0	159.70	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00
Train 4								
Planned unavailable hours	0	5.10	0	19.60	0	8.40	0	3.54
Unplanned unavailable hours	0	1.30	3.80	13.70	0	3.50	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00
Indicator value	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	1.2%	1.2%

Licensee Comments:

2Q/04: This data does not include unavailability due to SSPS testing. Historical Mitigating System Safety System unavailability will be amended after a thorough accuracy review based on FAQ 290. No change in threshold will occur as a result of the amended data. (Comment 2Q2004)

1Q/04: Unplanned unavailability and fault exposure hours are being revised based on additional engineering evaluation; PIP C-04-0088. (Revised 2Q2004)

4Q/03: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

3Q/03: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

2Q/03: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

1Q/03: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

4Q/02: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

3Q/02: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

2Q/02: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

1Q/02: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

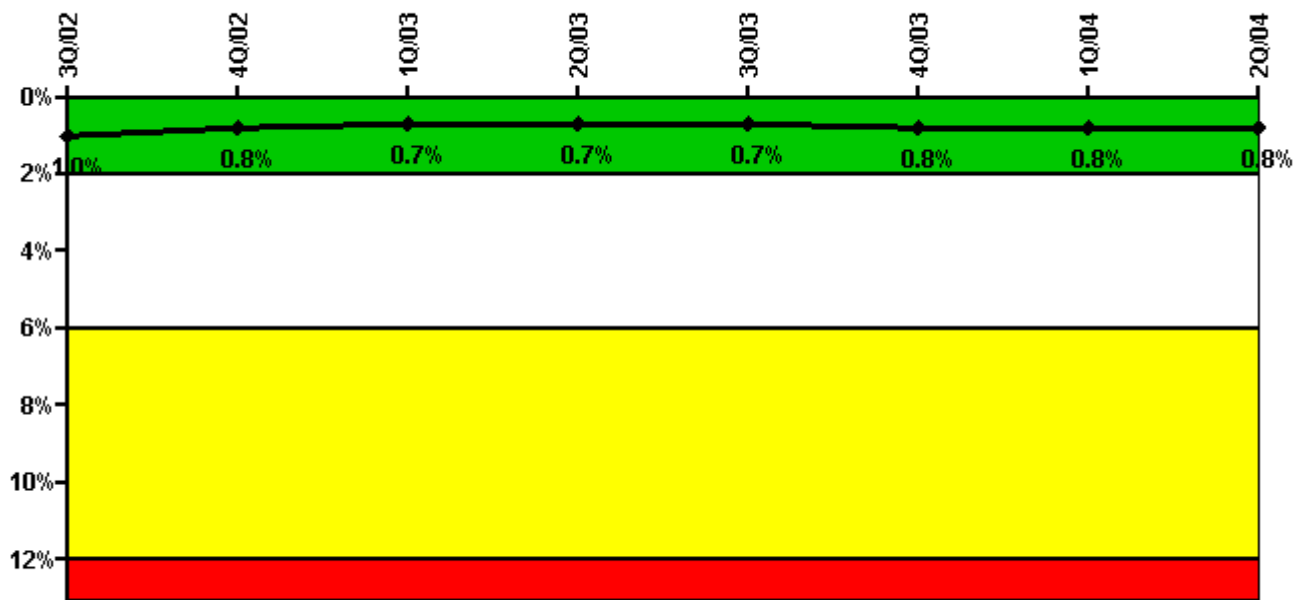
4Q/01: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

3Q/01: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

2Q/01: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

1Q/01: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

Safety System Unavailability, Heat Removal System (AFW)



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

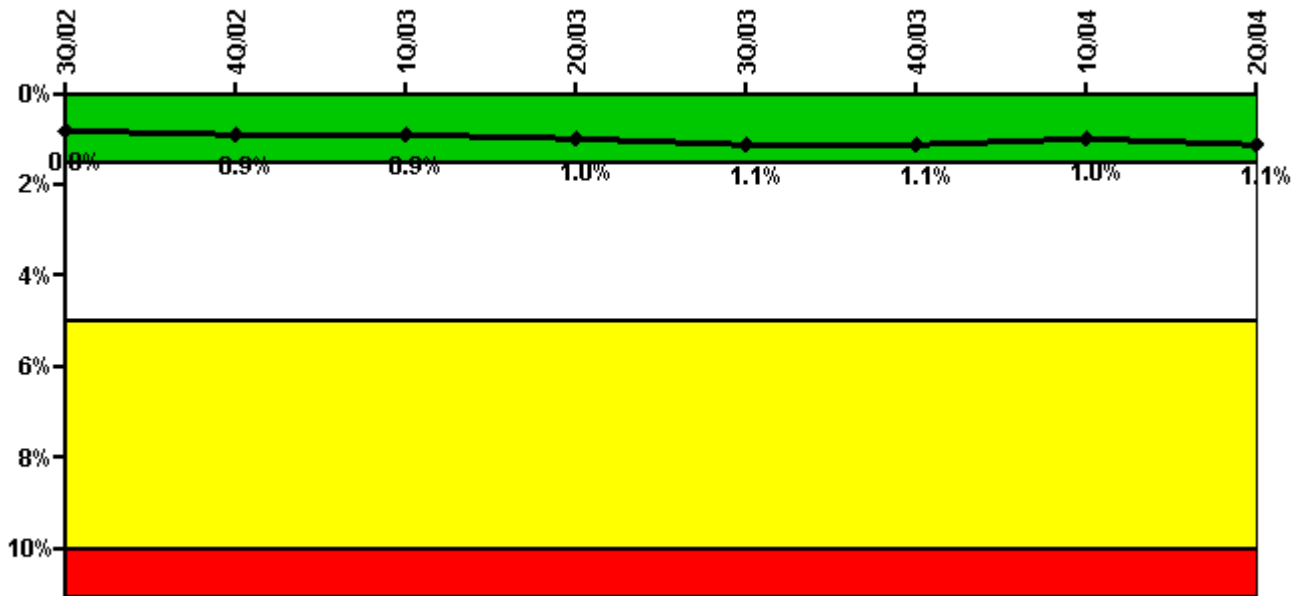
Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	28.32	3.71	4.12	40.22	30.66	2.50	2.10	9.46
Unplanned unavailable hours	0	1.77	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	2013.30	1300.40	2184.00	2183.00
Train 2								
Planned unavailable hours	6.80	2.20	0.50	47.92	1.82	1.55	8.03	12.08
Unplanned unavailable hours	0	1.26	3.80	13.67	0	3.50	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2013.30	1300.40	2184.00	2183.00
Train 3								
Planned unavailable hours	26.78	12.10	31.09	19.83	12.70	16.55	2.18	10.50
Unplanned unavailable hours	0	0	0	3.27	6.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2013.30	1300.40	2184.00	2183.00
Indicator value	1.0%	0.8%	0.7%	0.7%	0.7%	0.8%	0.8%	0.8%

Licensee Comments:

2Q/04: This data does not include unavailability due to SSPS testing. Historical Mitigating System Safety System unavailability will be amended after a thorough accuracy review based on FAQ 290. No change in threshold will occur as a result of the amended data.
(Comment 2Q2004)

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	4.42	21.90	0.27	73.62	28.75	0	0.37	19.58
Unplanned unavailable hours	0	30.60	0	0.70	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0.28	0.40	0.43	35.40	1.22	2.03	0.30	20.90
Unplanned unavailable hours	0	27.50	12.21	13.70	0	3.50	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	0.8%	0.9%	0.9%	1.0%	1.1%	1.1%	1.0%	1.1%

Licensee Comments:

2Q/04: This data does not include unavailability due to SSPS testing. Historical Mitigating System Safety System unavailability will be amended after a thorough accuracy review based on FAQ 290. No change in threshold will occur as a result of the amended data. (Comment 2Q2004)

4Q/03: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

3Q/03: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

2Q/03: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of

previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

1Q/03: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

4Q/02: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

3Q/02: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

2Q/02: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

1Q/02: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

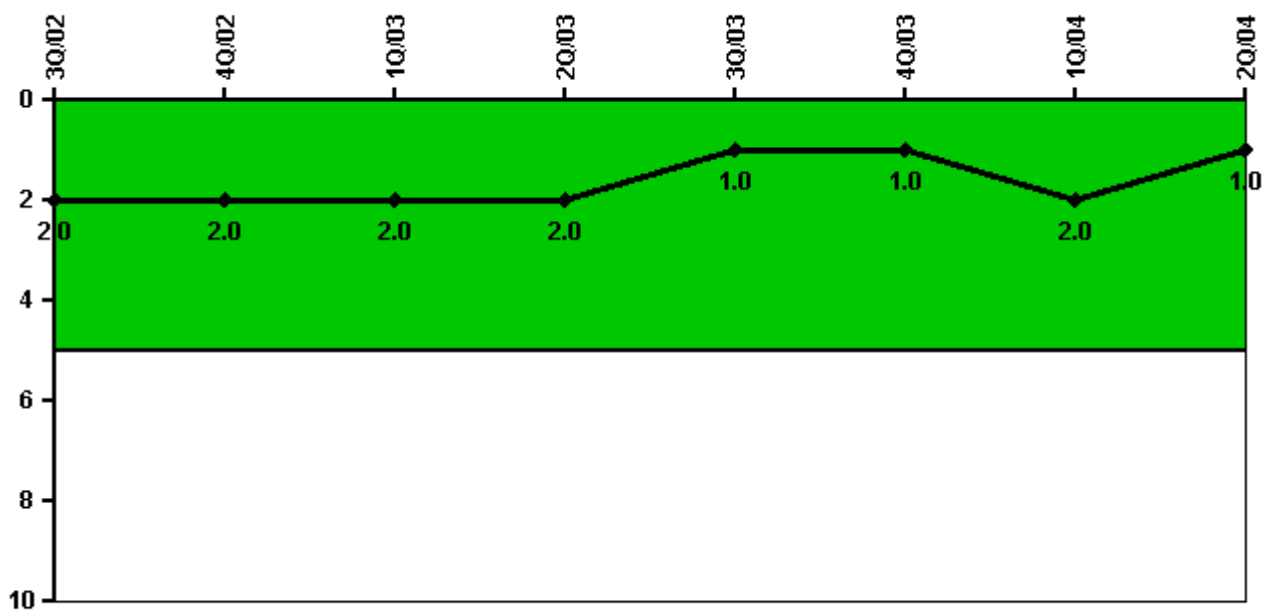
4Q/01: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

3Q/01: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

2Q/01: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

1Q/01: This revision applies to the comment section only; no change is being made to data values. Data revisions submitted 1Q2004 were made to account for unavailability associated with auxiliary safeguards testing which had inadvertently been left out of previously reported data, instead of being revised to include no-mode hours. (Revised 2Q2004)

Safety System Functional Failures (PWR)



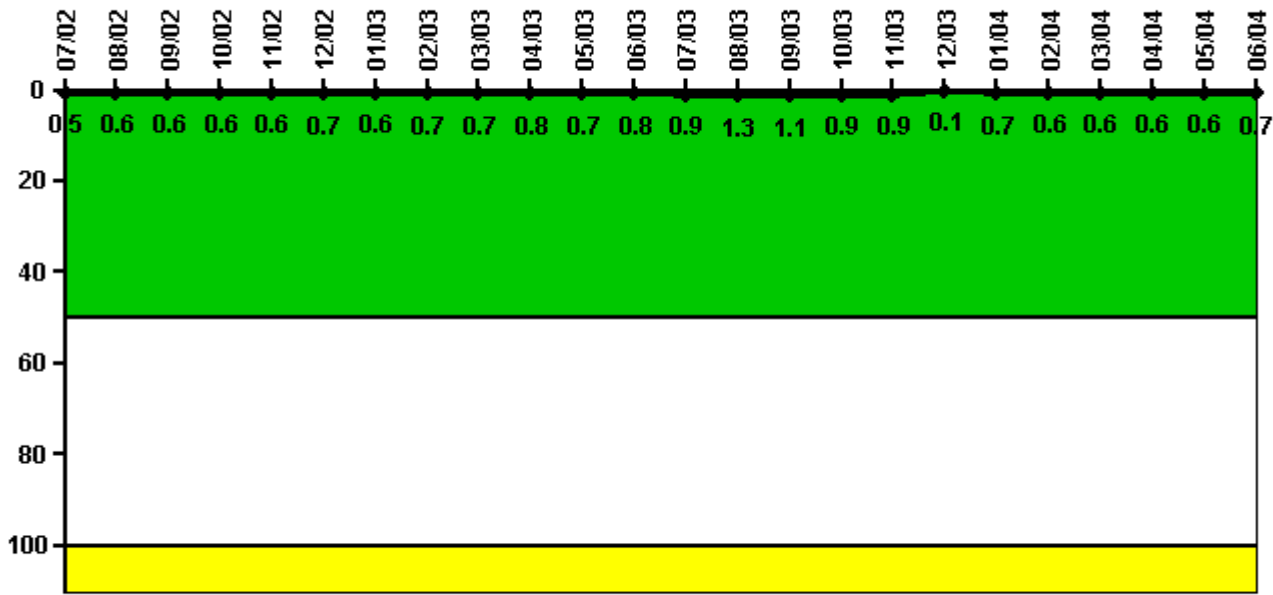
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



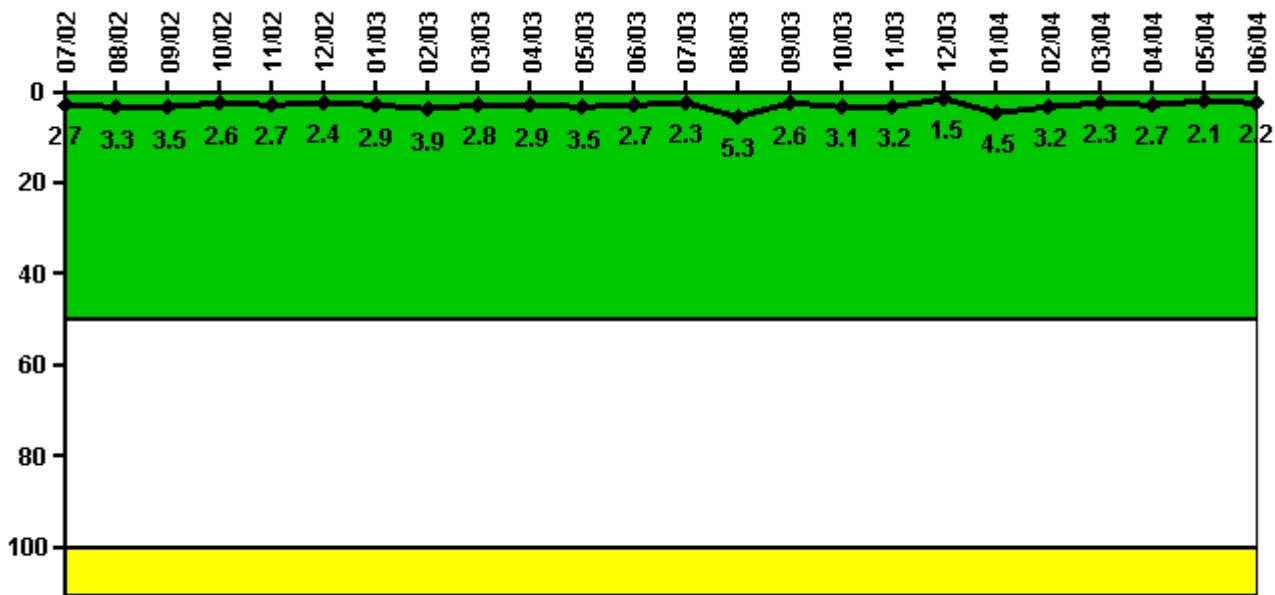
Thresholds: White > 50.0 Yellow > 100.0

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	0.000320	0.000360	0.000380	0.000370	0.000410	0.000430	0.000410	0.000440	0.000445	0.000490	0.000452	0.000543
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.8	0.7	0.8
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	0.000580	0.000844	0.000700	0.000567	0.000561	0.000094	0.000454	0.000388	0.000364	0.000376	0.000407	0.000427
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.9	1.3	1.1	0.9	0.9	0.1	0.7	0.6	0.6	0.6	0.6	0.7

Licensee Comments: none

Reactor Coolant System Leakage



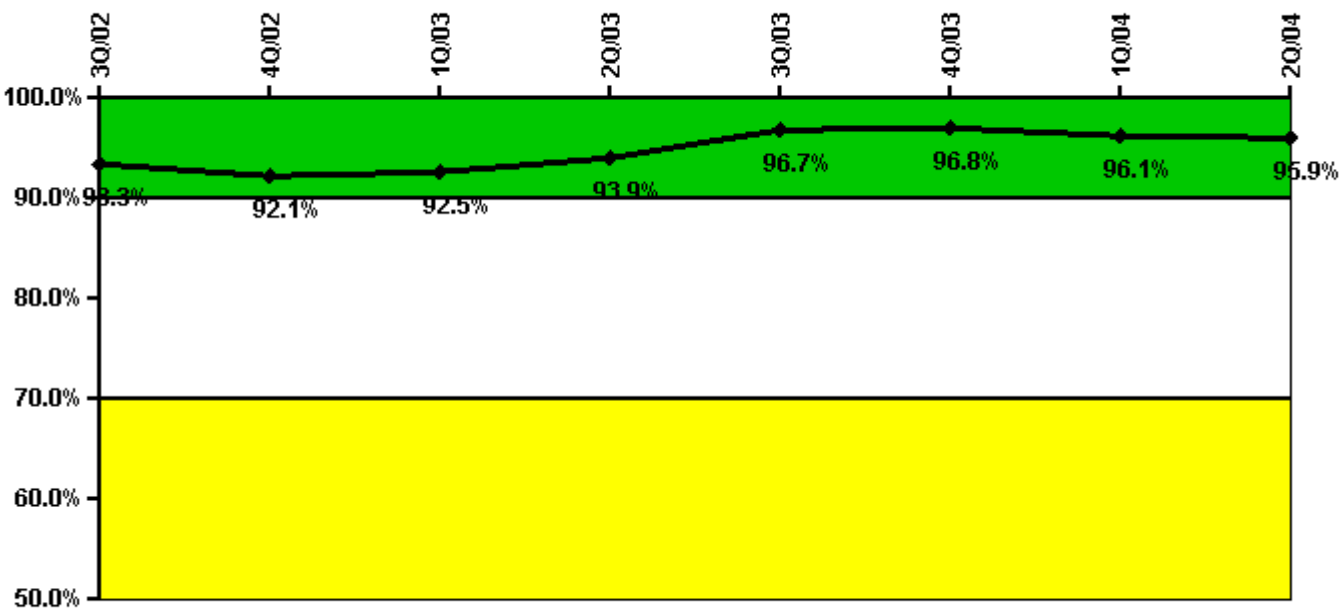
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.270	0.330	0.350	0.256	0.274	0.240	0.290	0.389	0.284	0.294	0.349	0.273
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.7	3.3	3.5	2.6	2.7	2.4	2.9	3.9	2.8	2.9	3.5	2.7
Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.232	0.532	0.262	0.312	0.323	0.145	0.447	0.319	0.229	0.271	0.214	0.217
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	5.3	2.6	3.1	3.2	1.5	4.5	3.2	2.3	2.7	2.1	2.2

Licensee Comments: none

Drill/Exercise Performance



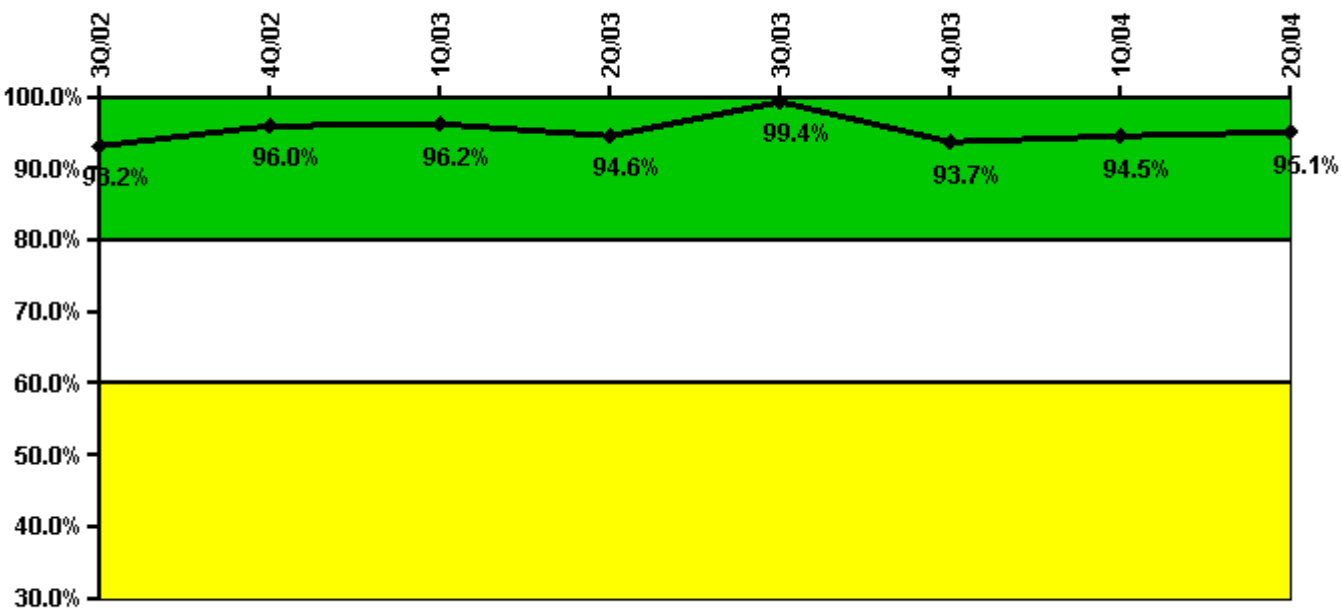
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	71.0	40.0	18.0	78.0	80.0	22.0	25.0	19.0
Total opportunities	74.0	46.0	18.0	78.0	82.0	22.0	28.0	20.0
Indicator value	93.3%	92.1%	92.5%	93.9%	96.7%	96.8%	96.1%	95.9%

Licensee Comments: none

ERO Drill Participation



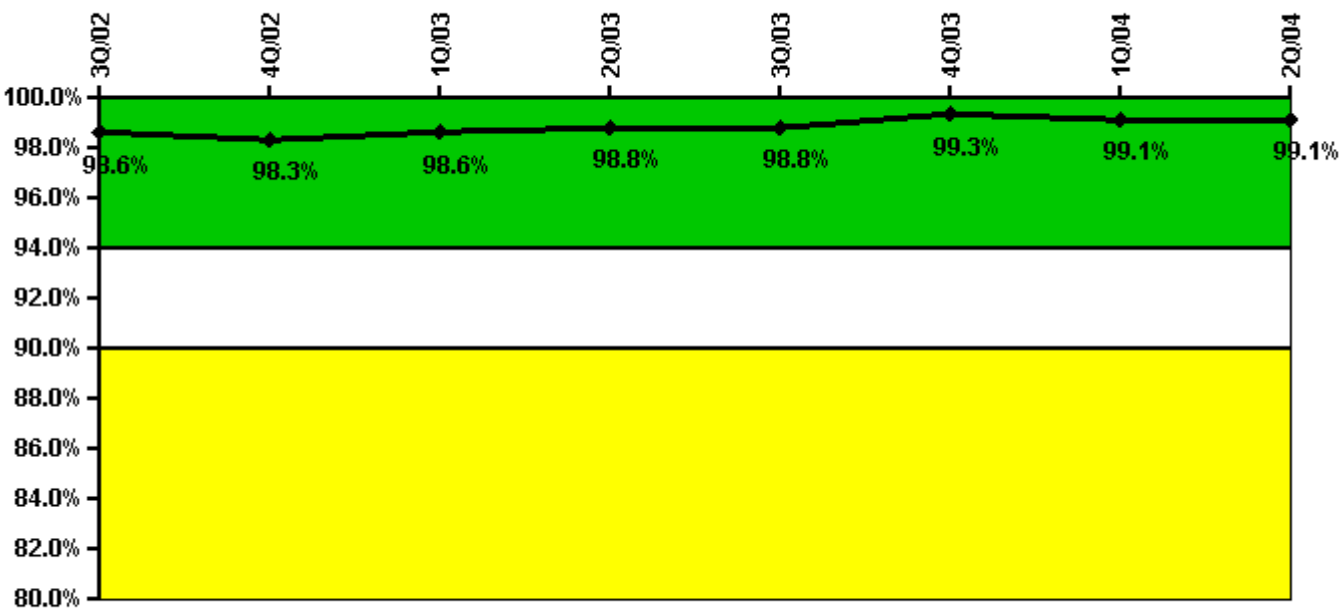
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	177.0	192.0	177.0	175.0	159.0	149.0	154.0	154.0
Total Key personnel	190.0	200.0	184.0	185.0	160.0	159.0	163.0	162.0
Indicator value	93.2%	96.0%	96.2%	94.6%	99.4%	93.7%	94.5%	95.1%

Licensee Comments: none

Alert & Notification System



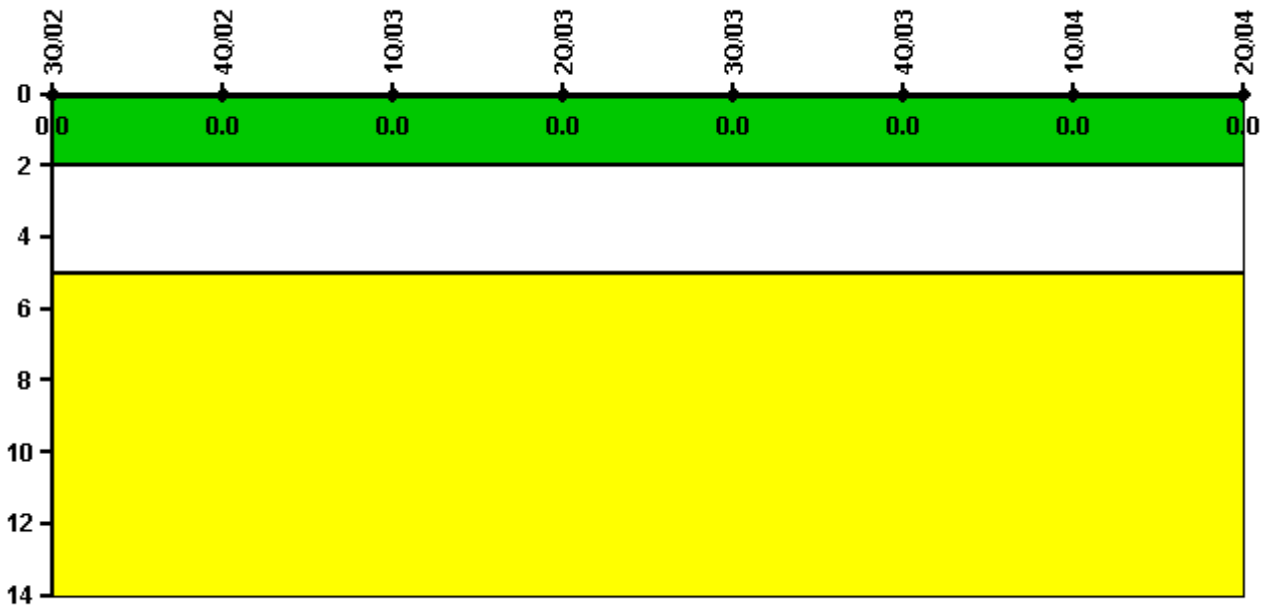
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	2251	2248	2220	2386	2457	2375	2383	2384
Total sirens-tests	2281	2302	2225	2403	2492	2388	2403	2403
Indicator value	98.6%	98.3%	98.6%	98.8%	98.8%	99.3%	99.1%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness

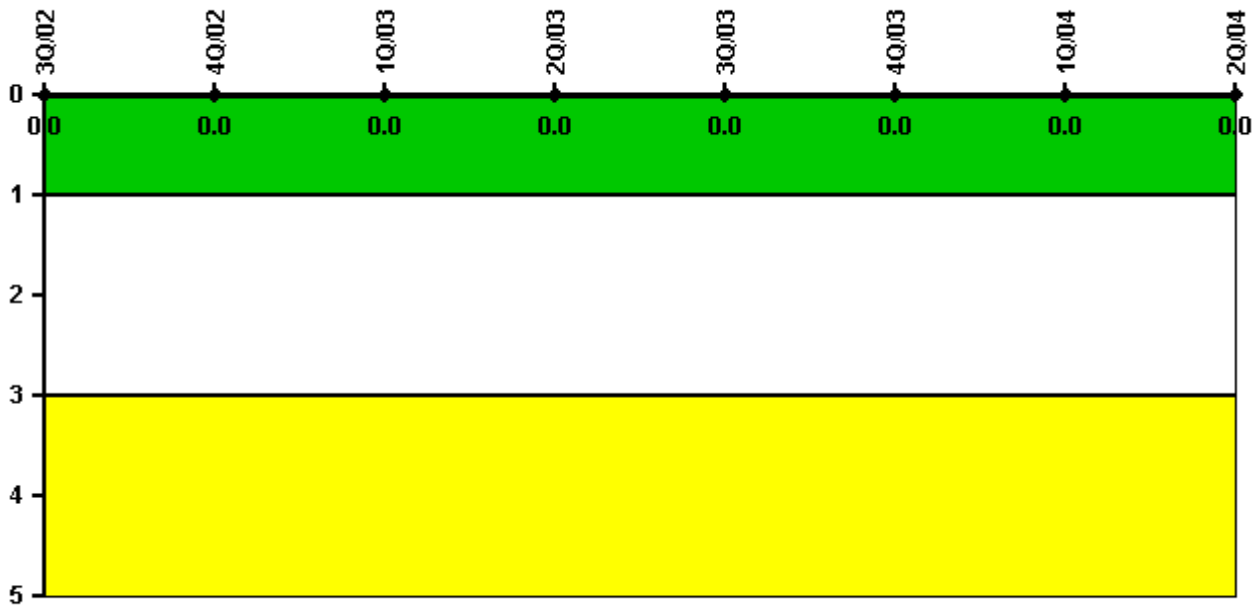


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

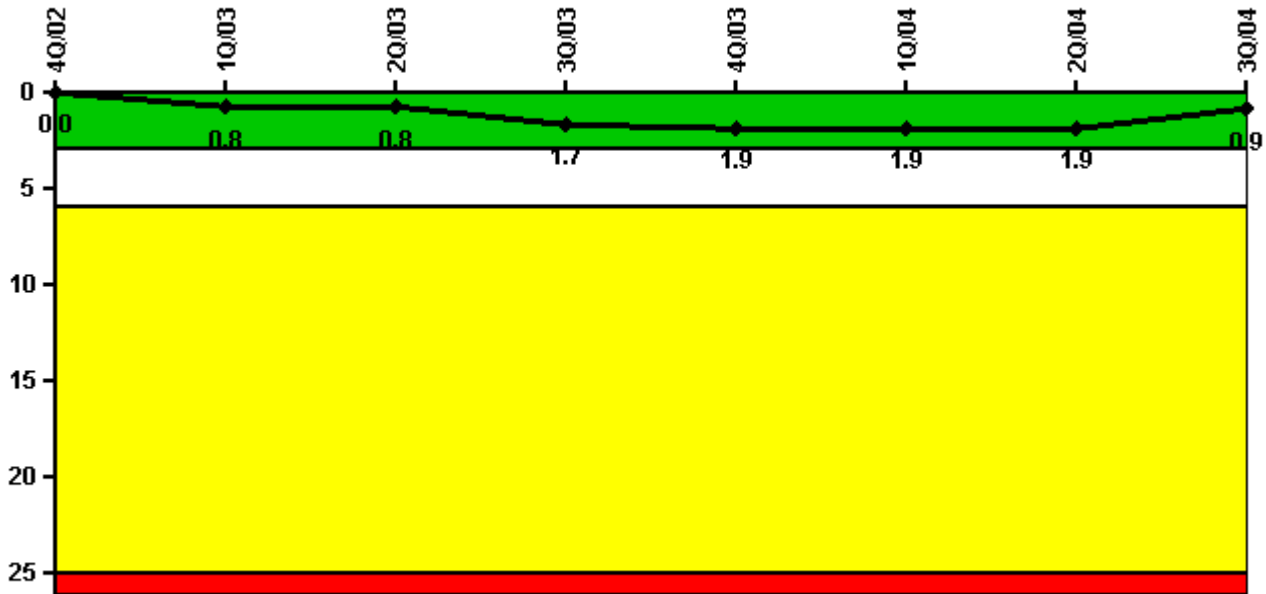
Last Modified: September 8, 2004

Catawba 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	1.0	0	1.0	0	1.0	0	0
Critical hours	2209.0	2129.0	2183.0	1944.7	1226.8	2074.1	2183.0	2208.0
Indicator value	0	0.8	0.8	1.7	1.9	1.9	1.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



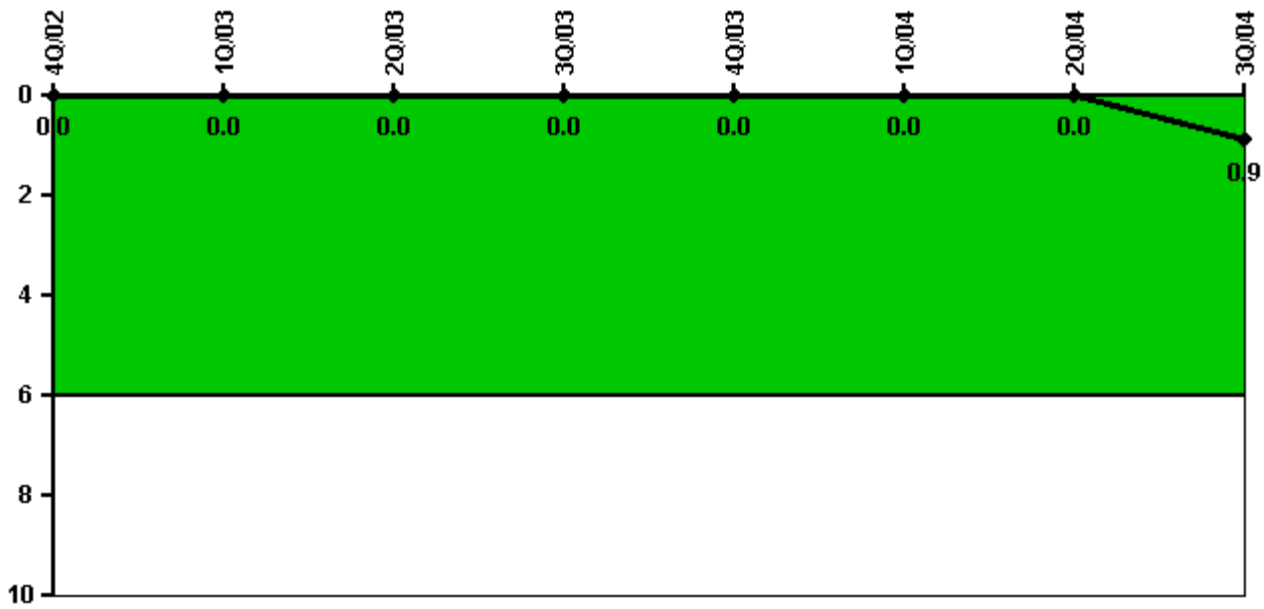
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



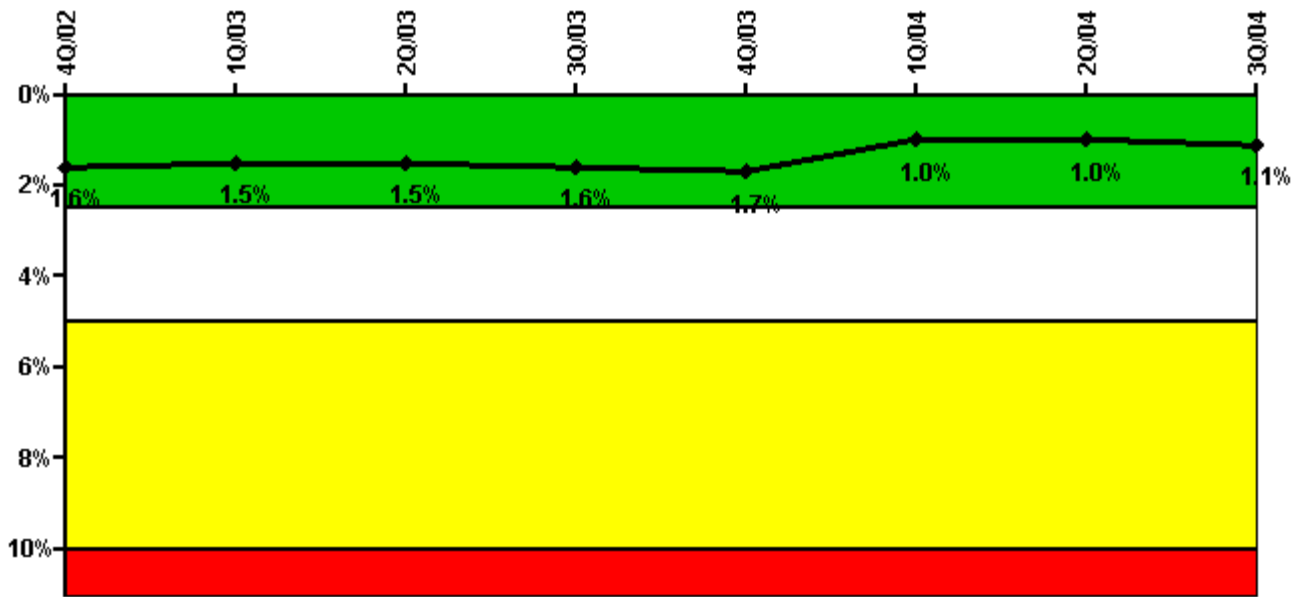
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2129.0	2183.0	1944.7	1226.8	2074.1	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	25.34	3.42	2.13	60.17	3.58	1.93	11.73	29.66
Unplanned unavailable hours	0	0	0	0	0	16.28	5.37	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.73	4.28	23.55	1.82	38.85	3.69	1.87	33.01
Unplanned unavailable hours	0	0	0	0	5.65	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	1.6%	1.5%	1.5%	1.6%	1.7%	1.0%	1.0%	1.1%

Licensee Comments:

2Q/04: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

1Q/04: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

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4Q/02: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

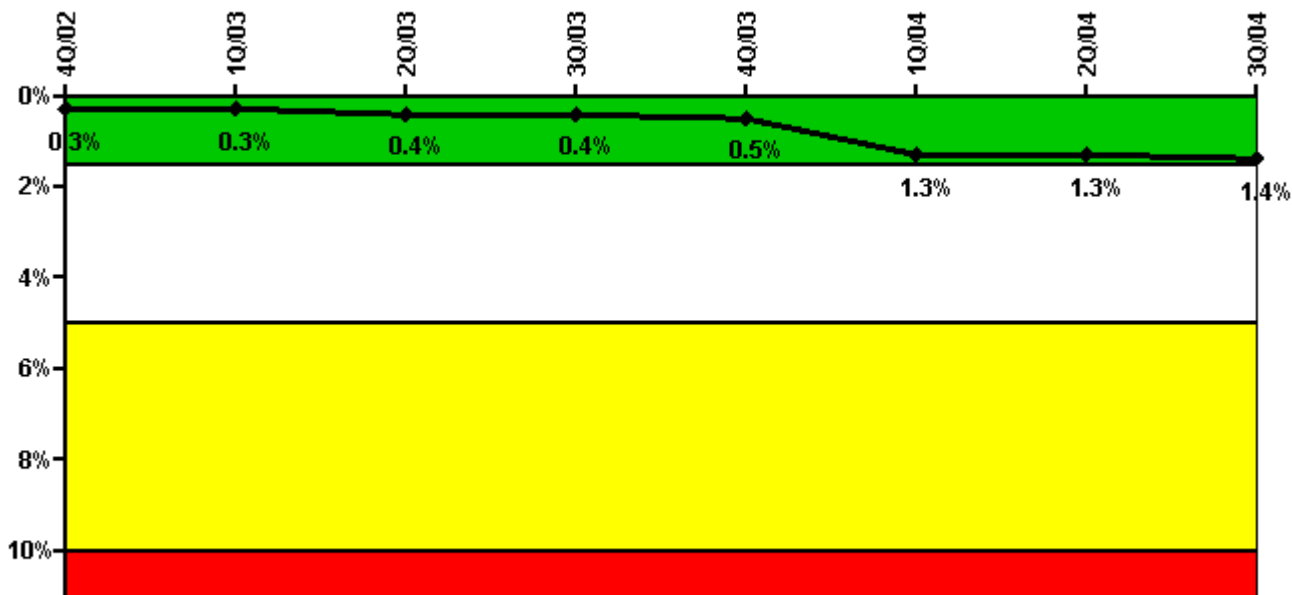
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4Q/01: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	15.39	3.67	29.43	5.25	3.58	27.90	4.96	14.20
Unplanned unavailable hours	1.80	0	0	0	0	165.70	0	0
Fault exposure hours	0	0	0	0	0	159.70	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00
Train 2								
Planned unavailable hours	10.78	4.63	17.15	13.75	2.25	9.19	4.02	17.03

Unplanned unavailable hours	1.30	3.80	13.70	0	3.50	0	0	0
Fault exposure hours	0	0	0	0	0	157.70	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00
Train 3								
Planned unavailable hours	9.42	3.42	31.73	20.28	3.58	1.93	4.66	18.96
Unplanned unavailable hours	1.80	0	0	0	0	165.70	0	0
Fault exposure hours	0	0	0	0	0	159.70	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00
Train 4								
Planned unavailable hours	6.83	4.28	23.55	1.82	10.17	3.69	3.54	16.61
Unplanned unavailable hours	1.30	3.80	13.70	0	3.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00
Indicator value	0.3%	0.3%	0.4%	0.4%	0.5%	1.3%	1.3%	1.4%

Licensee Comments:

2Q/04: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

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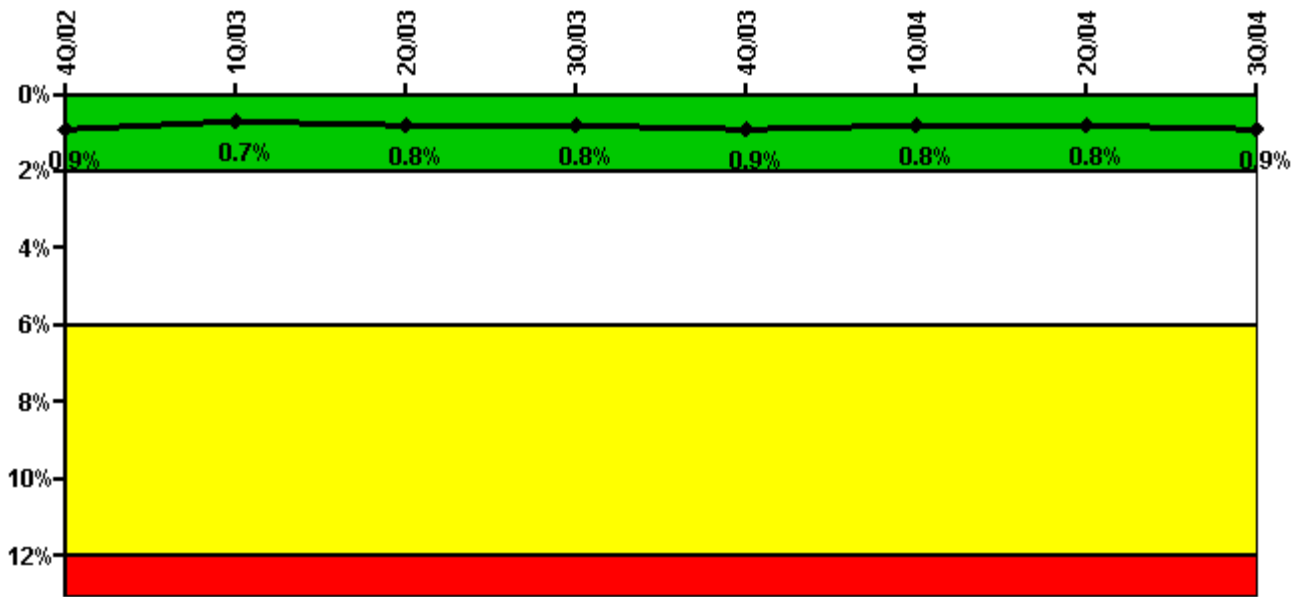
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4Q/01: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

Safety System Unavailability, Heat Removal System (AFW)



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

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	7.73	7.54	42.35	34.44	6.08	4.03	11.11	28.88
Unplanned unavailable hours	1.77	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	2013.30	1300.40	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	3.93	4.78	51.87	3.64	3.32	11.72	12.08	61.90
Unplanned unavailable hours	1.26	3.80	13.67	0	3.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2013.30	1300.40	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	12.10	31.09	19.83	12.70	16.55	2.18	10.50	5.53
Unplanned unavailable hours	0	0	3.27	6.70	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2013.30	1300.40	2184.00	2183.00	2208.00
Indicator value	0.9%	0.7%	0.8%	0.8%	0.9%	0.8%	0.8%	0.9%

Licensee Comments:

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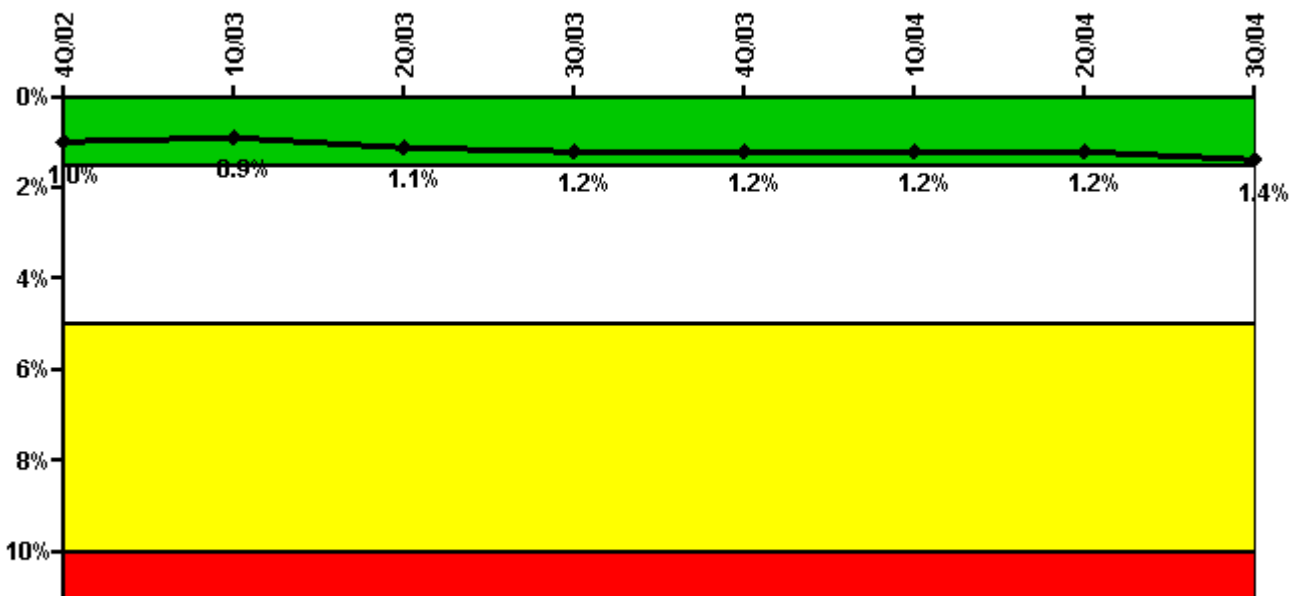
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4Q/01: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

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	25.92	3.69	75.75	32.53	3.58	2.30	21.23	28.94

Unplanned unavailable hours	30.60	0	0.70	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	2.13	4.71	39.35	3.04	3.80	3.99	20.90	69.45
Unplanned unavailable hours	27.50	12.21	13.70	0	3.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	1.0%	0.9%	1.1%	1.2%	1.2%	1.2%	1.2%	1.4%

Licensee Comments:

2Q/04: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

1Q/04: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

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4Q/02: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

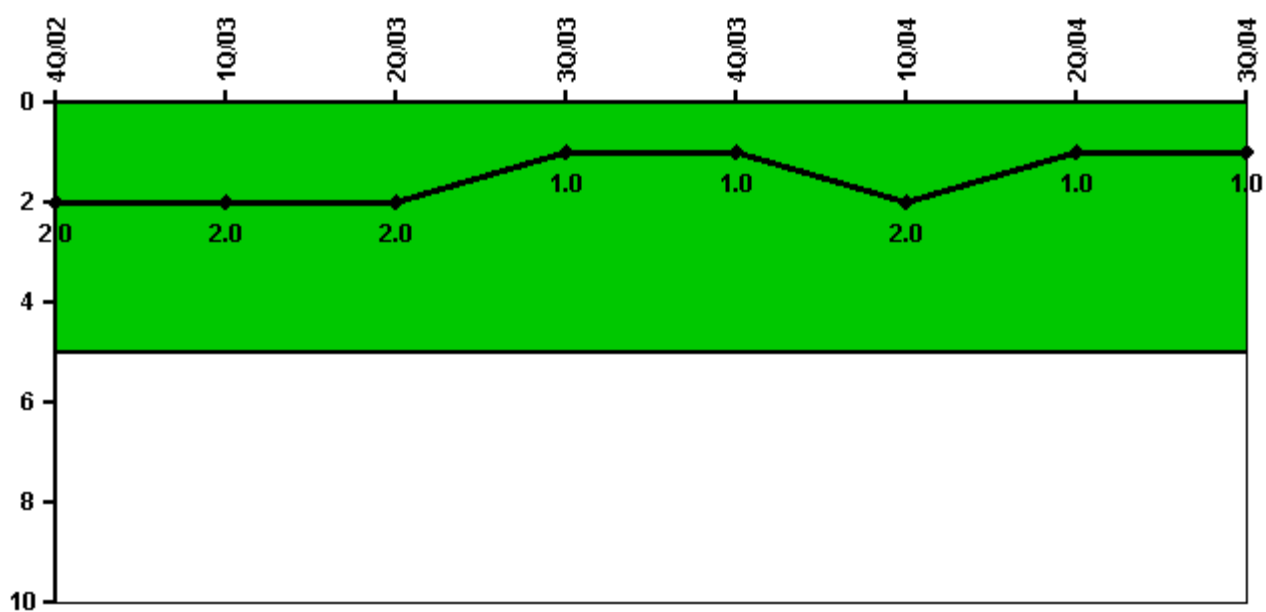
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4Q/01: This submittal includes unavailability due to SSPS testing based on FAQ 290. No change in threshold occurred as a result of the amended data. (Comment 3Q2004)

Safety System Functional Failures (PWR)



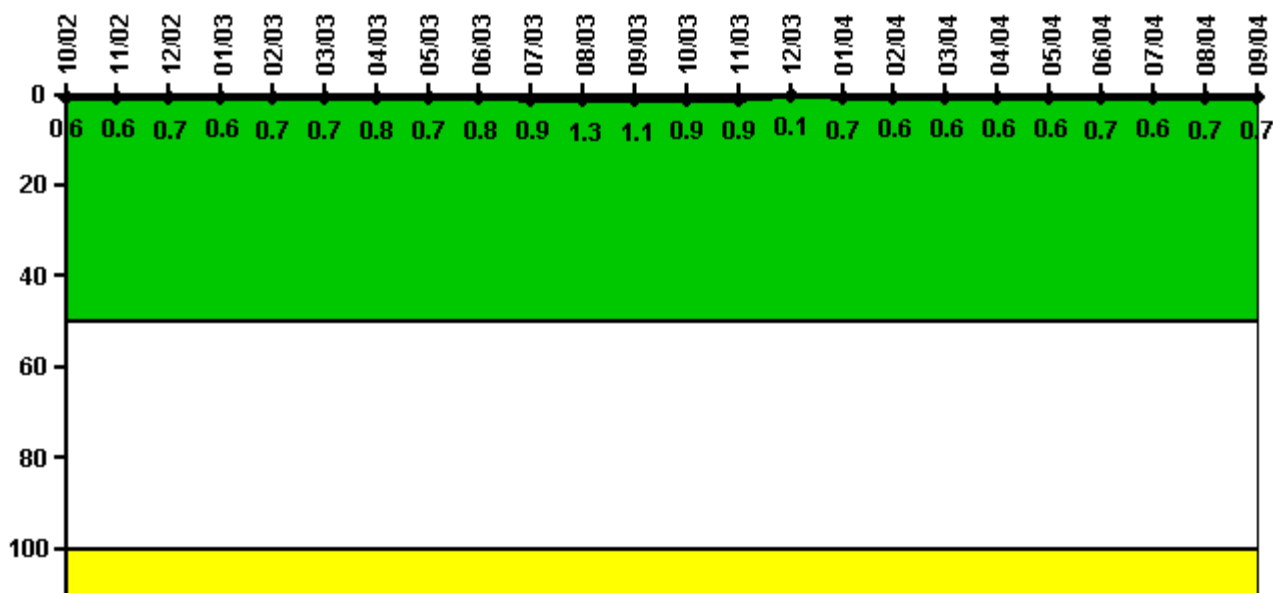
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



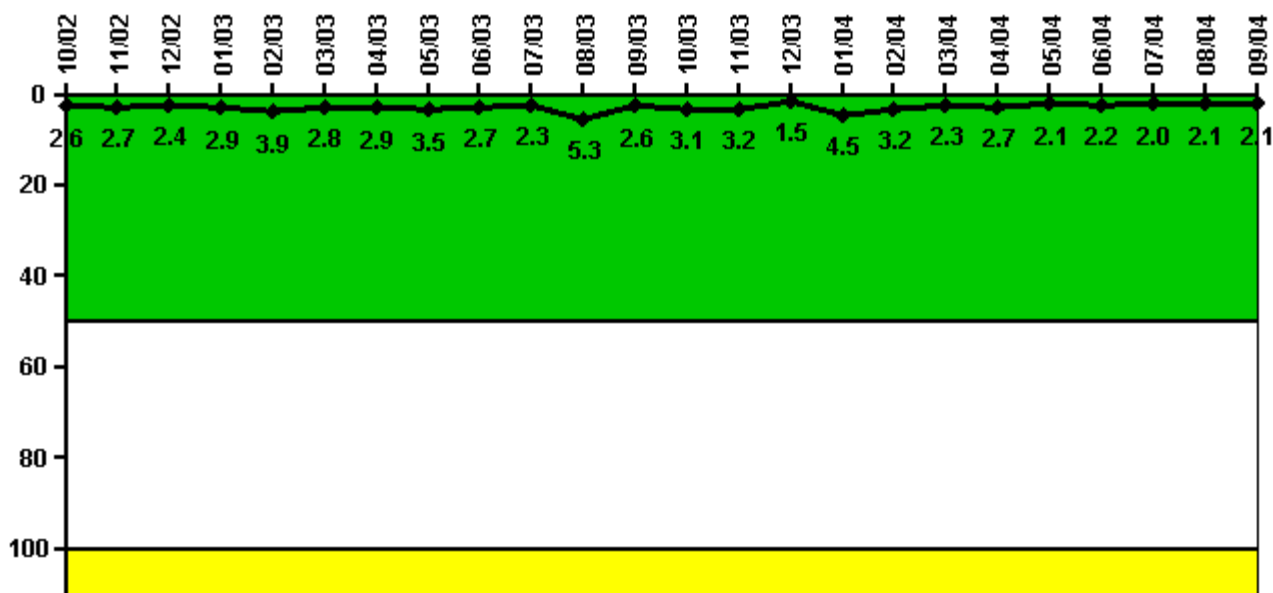
Thresholds: White > 50.0 Yellow > 100.0

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	0.000370	0.000410	0.000430	0.000410	0.000440	0.000445	0.000490	0.000452	0.000543	0.000580	0.000844	0.000700
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.6	0.7	0.6	0.7	0.7	0.8	0.7	0.8	0.9	1.3	1.1
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	0.000567	0.000561	0.000094	0.000454	0.000388	0.000364	0.000376	0.000407	0.000427	0.000413	0.000435	0.000464
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.9	0.9	0.1	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7

Licensee Comments: none

Reactor Coolant System Leakage



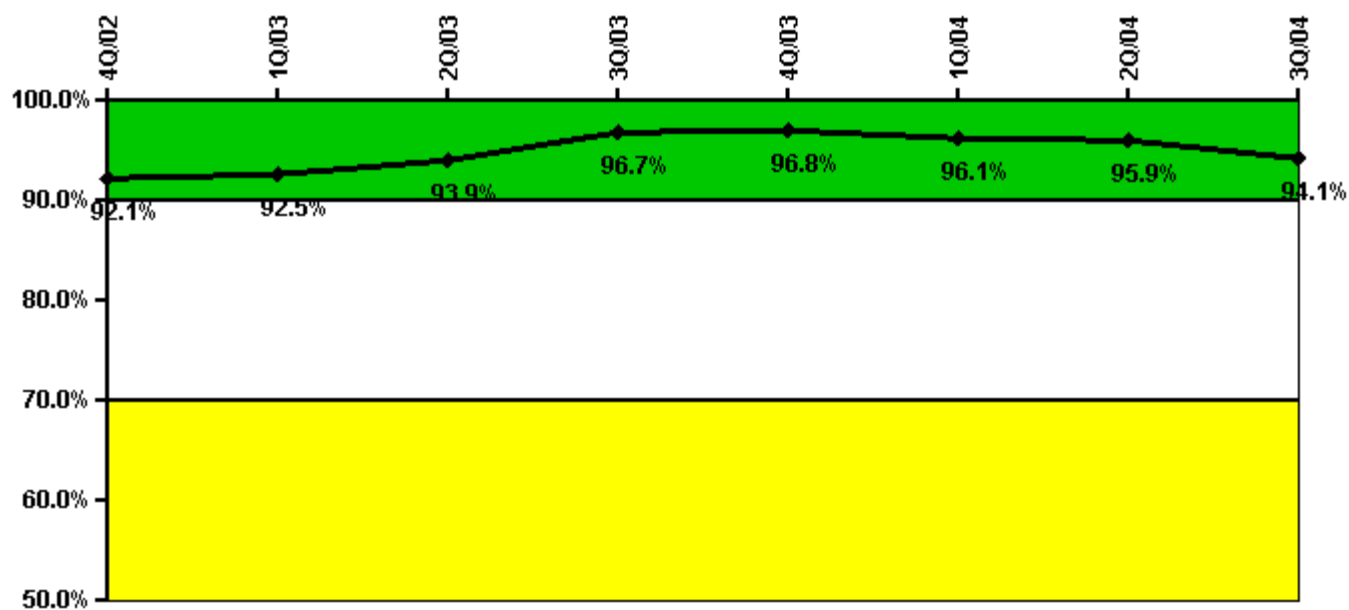
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.256	0.274	0.240	0.290	0.389	0.284	0.294	0.349	0.273	0.232	0.532	0.262
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.6	2.7	2.4	2.9	3.9	2.8	2.9	3.5	2.7	2.3	5.3	2.6
Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.312	0.323	0.145	0.447	0.319	0.229	0.271	0.214	0.217	0.195	0.208	0.211
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	3.2	1.5	4.5	3.2	2.3	2.7	2.1	2.2	2.0	2.1	2.1

Licensee Comments: none

Drill/Exercise Performance



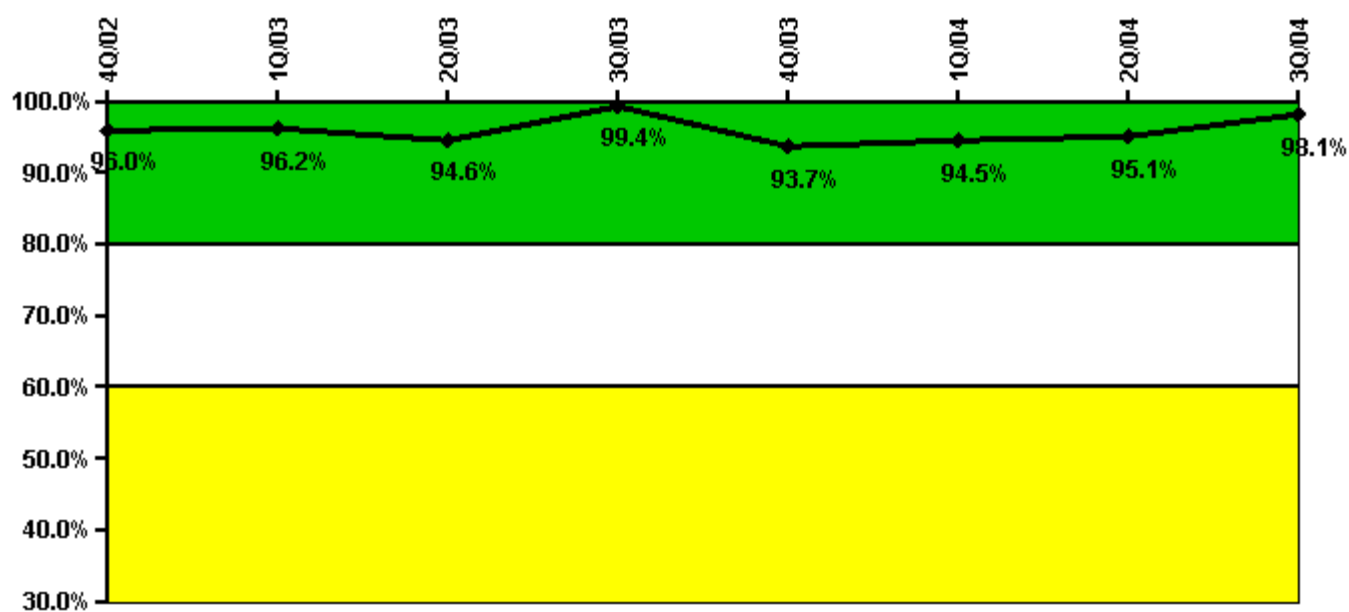
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	40.0	18.0	78.0	80.0	22.0	25.0	19.0	66.0
Total opportunities	46.0	18.0	78.0	82.0	22.0	28.0	20.0	76.0
Indicator value	92.1%	92.5%	93.9%	96.7%	96.8%	96.1%	95.9%	94.1%

Licensee Comments: none

ERO Drill Participation



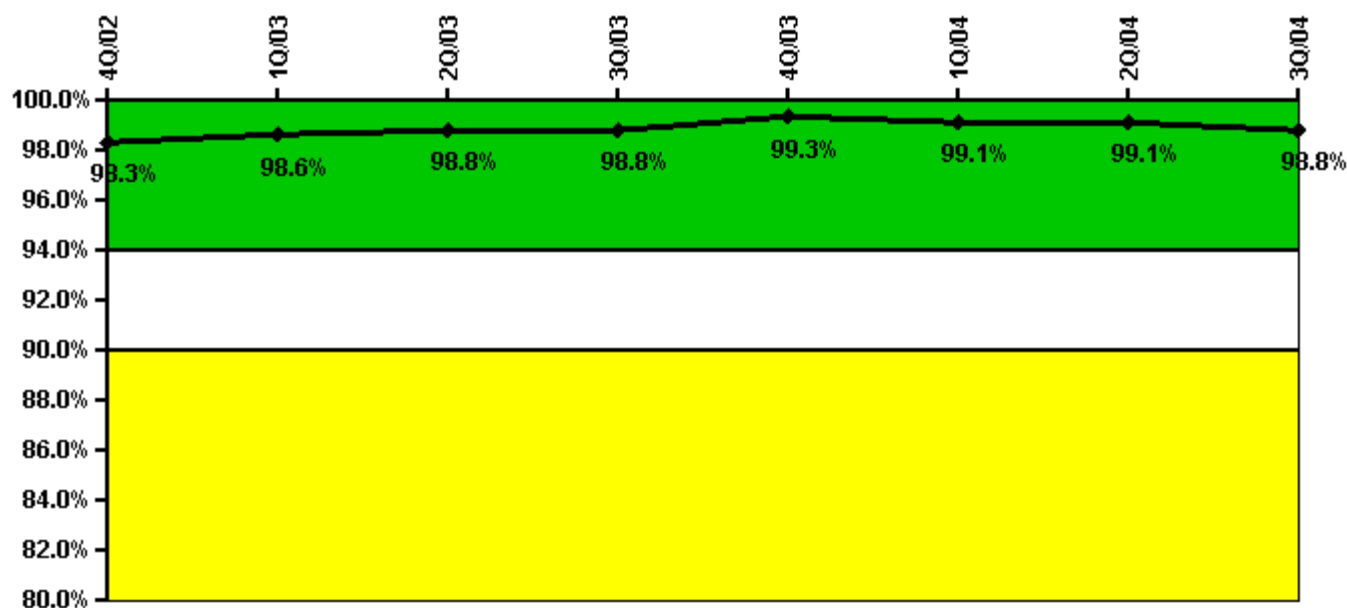
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	192.0	177.0	175.0	159.0	149.0	154.0	154.0	156.0
Total Key personnel	200.0	184.0	185.0	160.0	159.0	163.0	162.0	159.0
Indicator value	96.0%	96.2%	94.6%	99.4%	93.7%	94.5%	95.1%	98.1%

Licensee Comments: none

Alert & Notification System



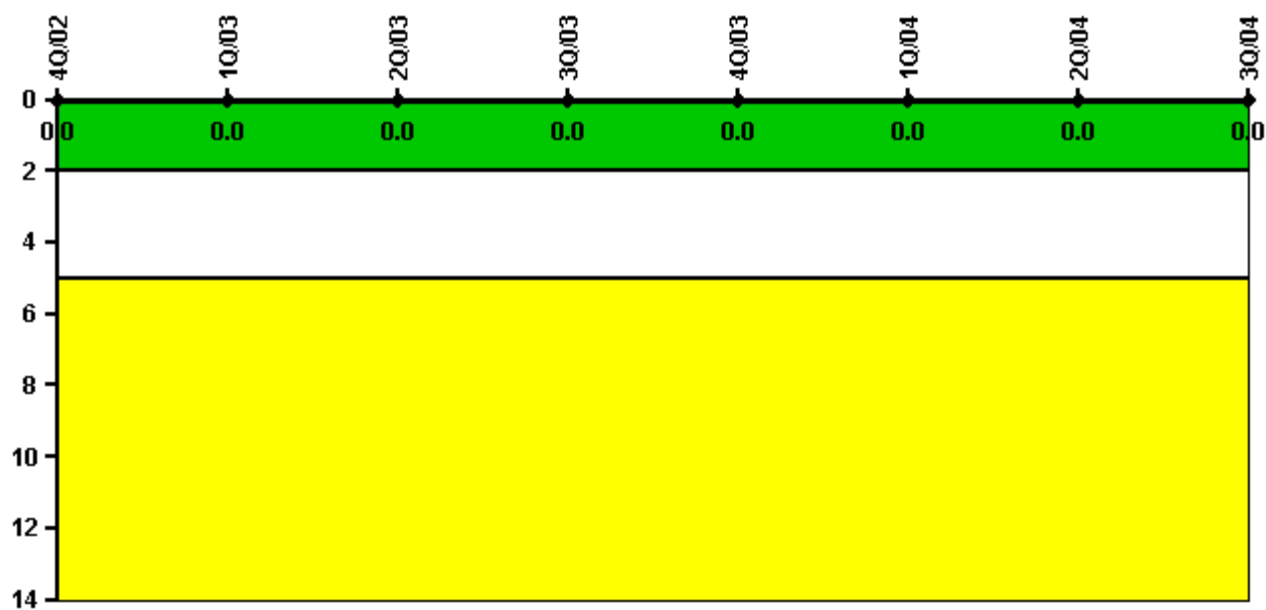
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	2248	2220	2386	2457	2375	2383	2384	2494
Total sirens-tests	2302	2225	2403	2492	2388	2403	2403	2560
Indicator value	98.3%	98.6%	98.8%	98.8%	99.3%	99.1%	99.1%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



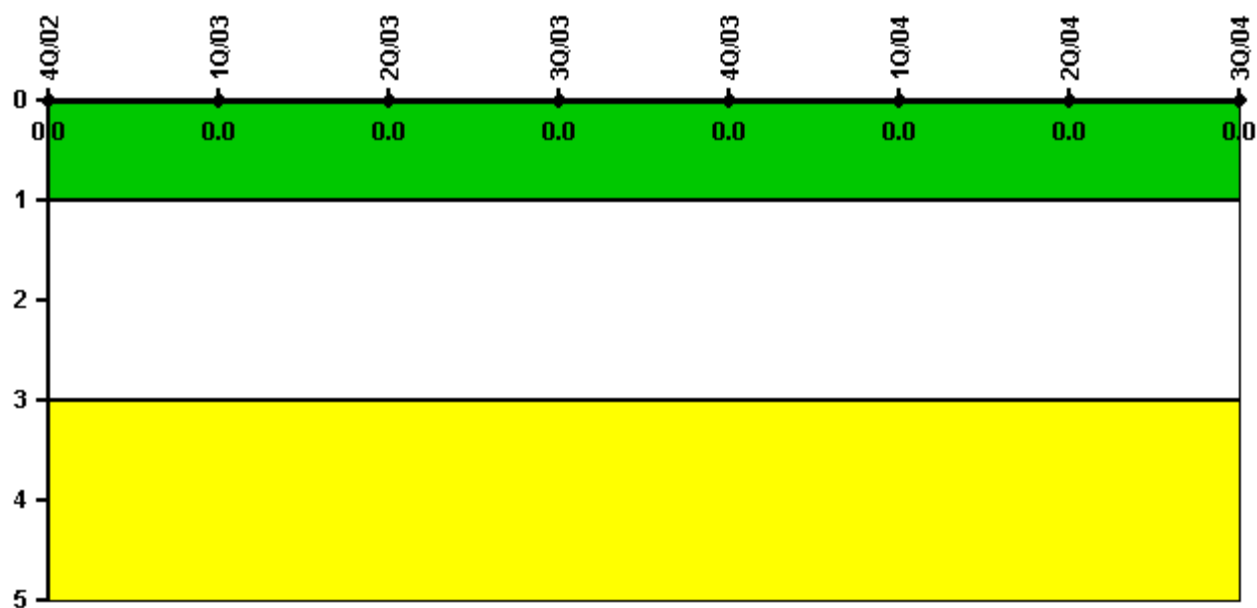
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

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

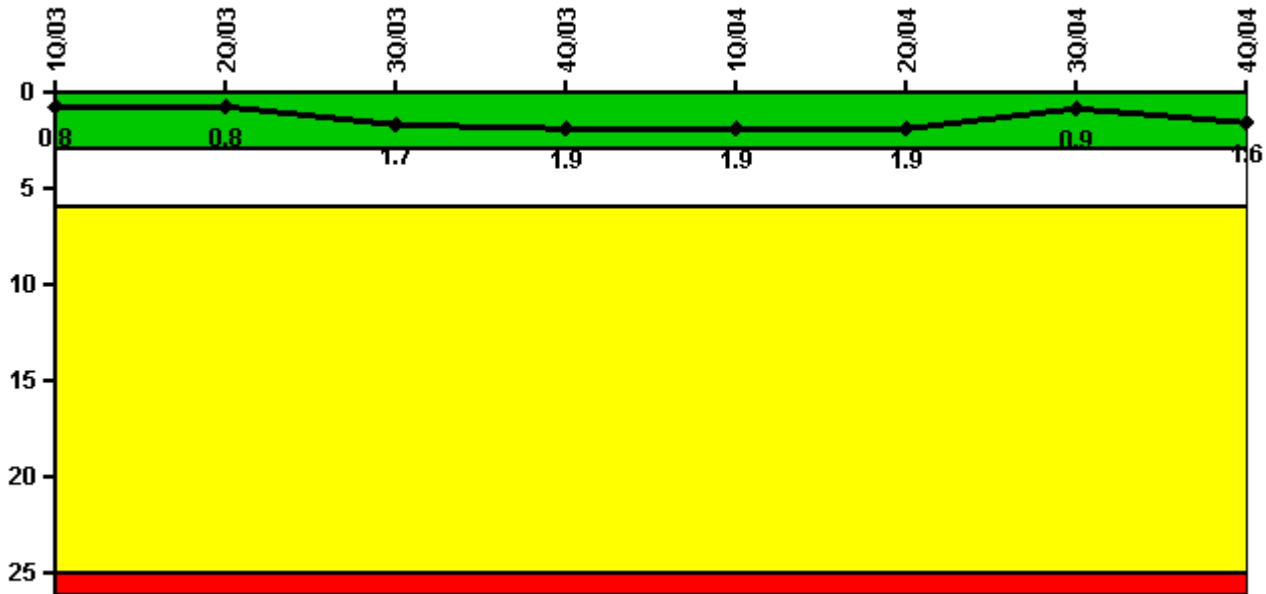
Last Modified: October 25, 2004

Catawba 1

4Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



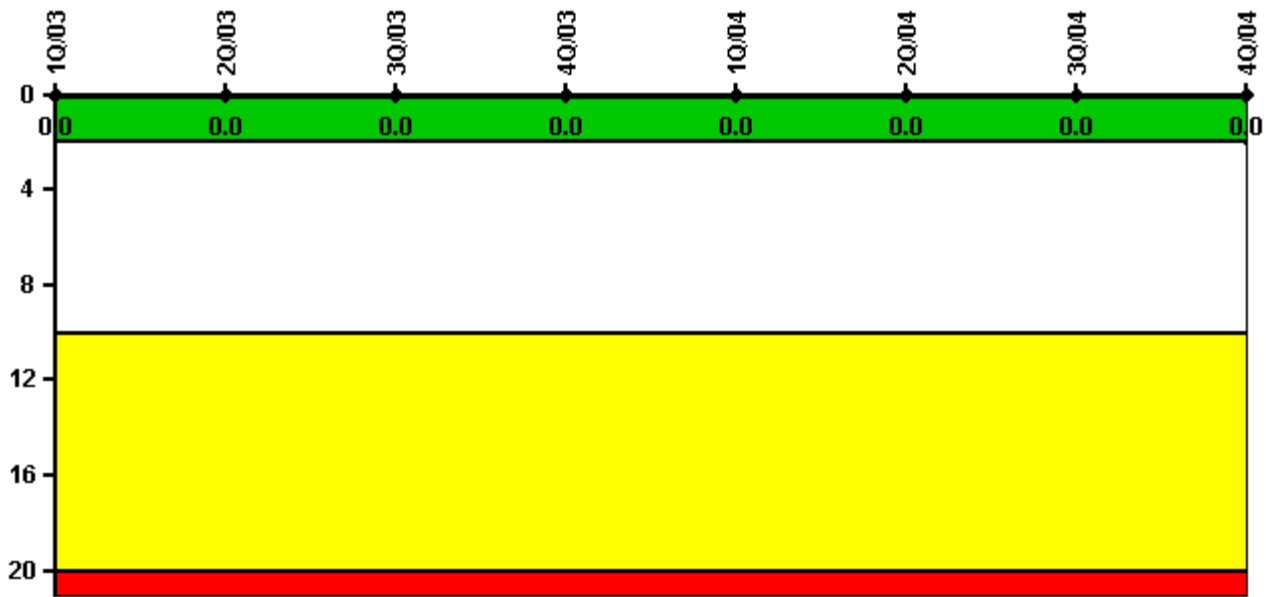
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	1.0	0	1.0	0	1.0	0	0	1.0
Critical hours	2129.0	2183.0	1944.7	1226.8	2074.1	2183.0	2208.0	2179.6
Indicator value	0.8	0.8	1.7	1.9	1.9	1.9	0.9	1.6

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



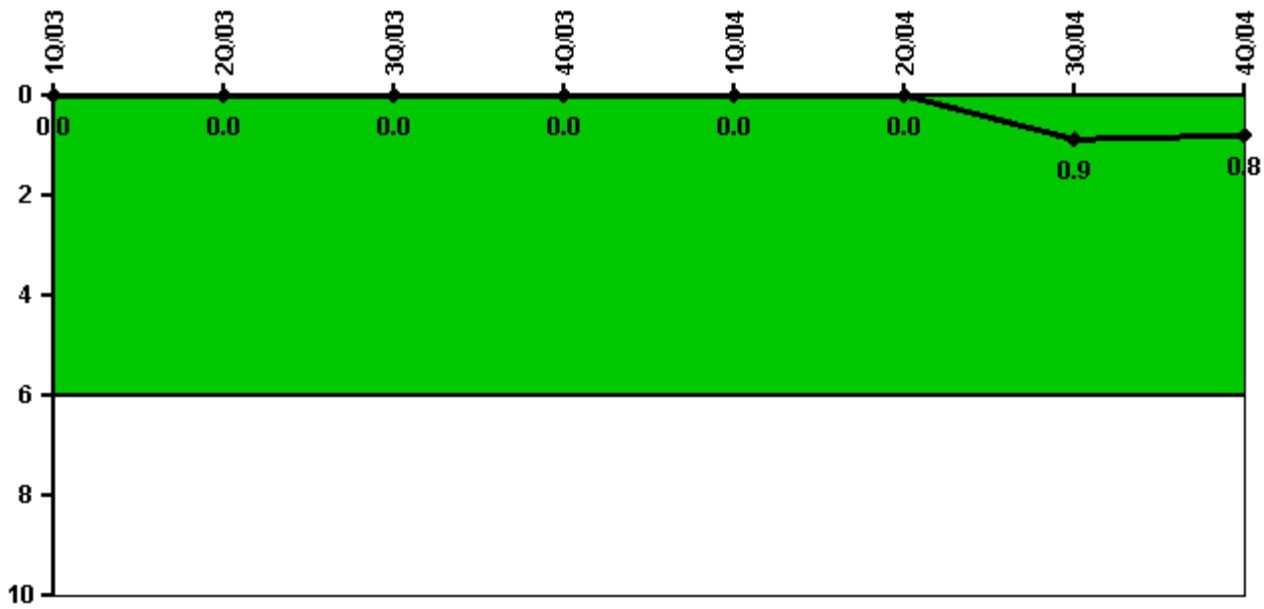
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/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	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



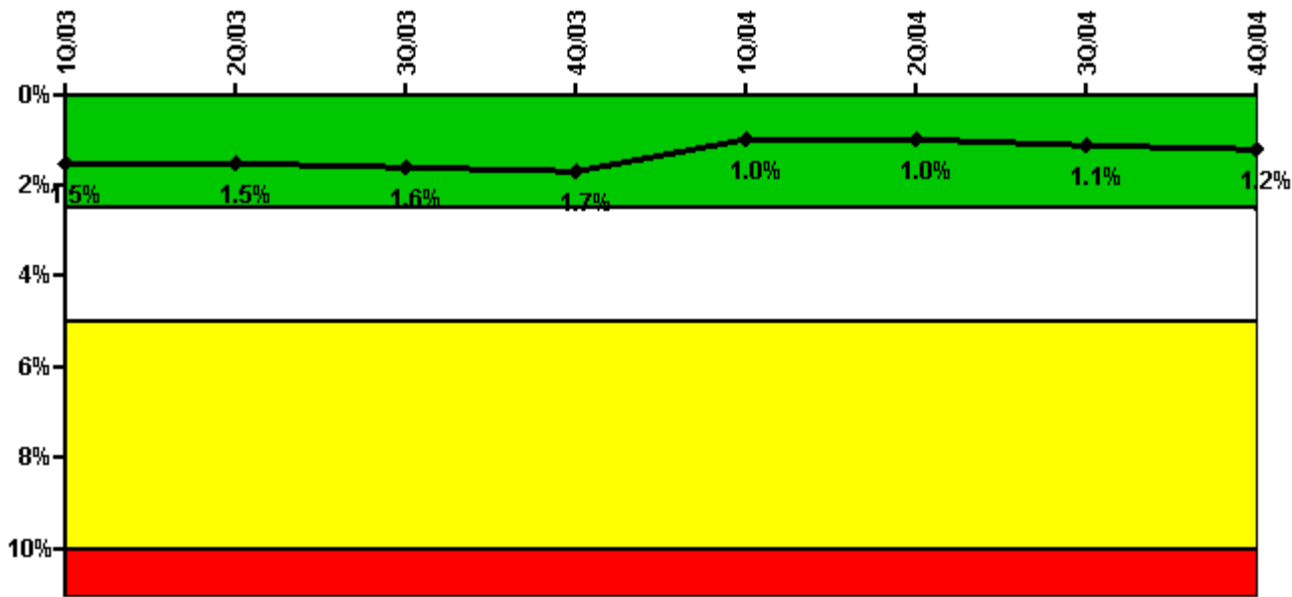
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2129.0	2183.0	1944.7	1226.8	2074.1	2183.0	2208.0	2179.6
Indicator value	0	0	0	0	0	0	0.9	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



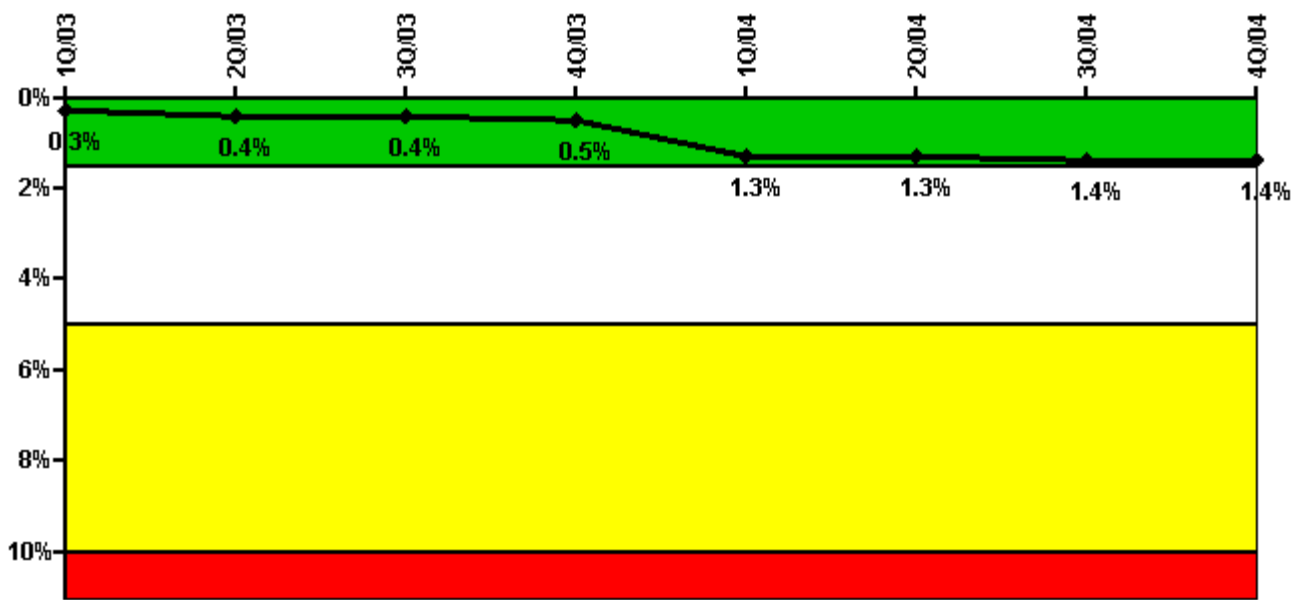
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	3.42	2.13	60.17	3.58	1.93	11.73	29.66	36.90
Unplanned unavailable hours	0	0	0	0	16.28	5.37	0	0
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	4.28	23.55	1.82	38.85	3.69	1.87	33.01	3.62
Unplanned unavailable hours	0	0	0	5.65	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	1.5%	1.5%	1.6%	1.7%	1.0%	1.0%	1.1%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



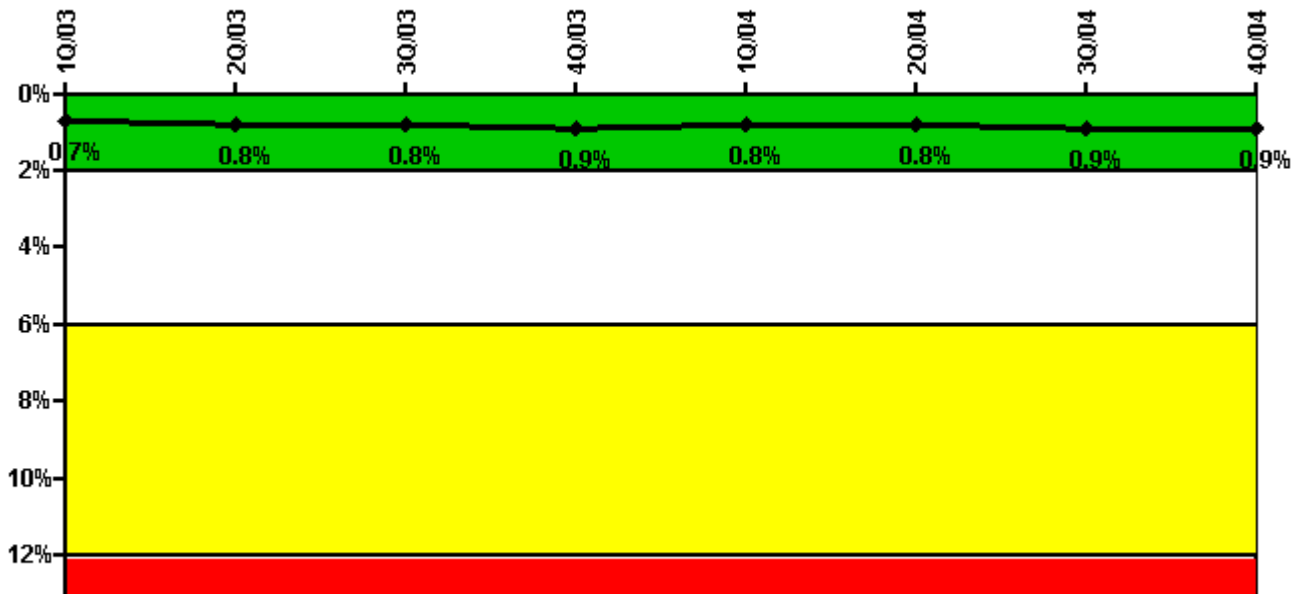
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	3.67	29.43	5.25	3.58	27.90	4.96	14.20	3.21
Unplanned unavailable hours	0	0	0	0	165.70	0	0	0
Fault exposure hours	0	0	0	0	159.70	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60
Train 2								
Planned unavailable hours	4.63	17.15	13.75	2.25	9.19	4.02	17.03	10.21
Unplanned unavailable hours	3.80	13.70	0	3.50	0	0	0	0
Fault exposure hours	0	0	0	0	157.70	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60
Train 3								
Planned unavailable hours	3.42	31.73	20.28	3.58	1.93	4.66	18.96	2.75
Unplanned unavailable hours	0	0	0	0	165.70	0	0	0
Fault exposure hours	0	0	0	0	159.70	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60
Train 4								
Planned unavailable hours	4.28	23.55	1.82	10.17	3.69	3.54	16.61	20.34
Unplanned unavailable hours	3.80	13.70	0	3.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2129.00	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60
Indicator value	0.3%	0.4%	0.4%	0.5%	1.3%	1.3%	1.4%	1.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



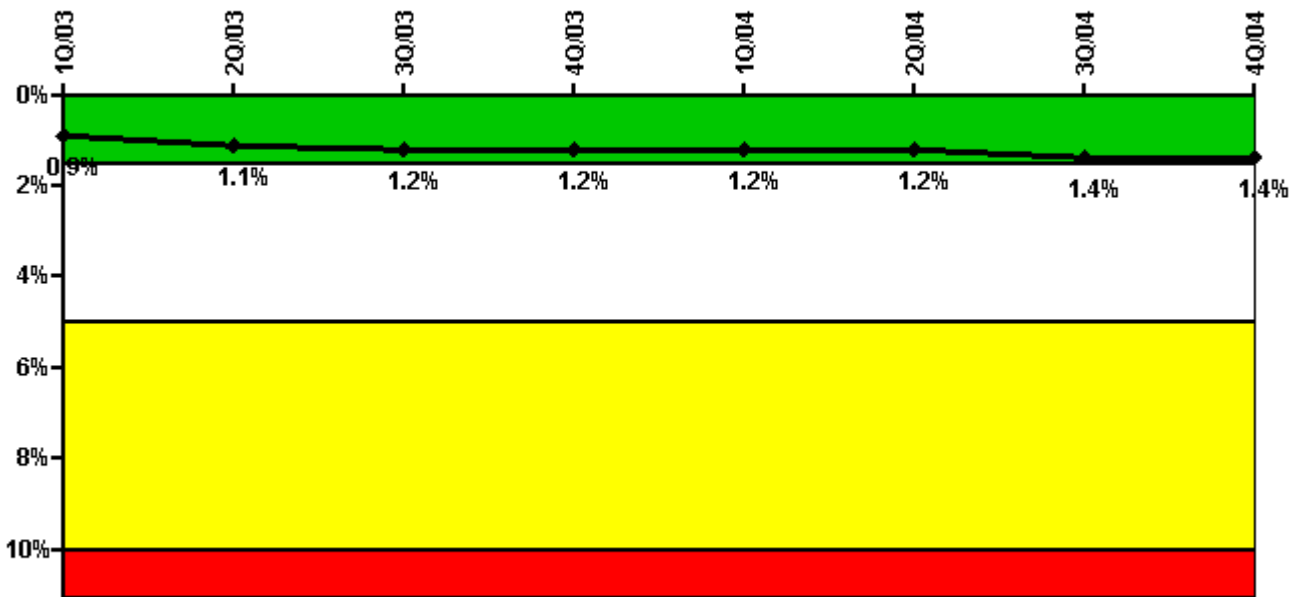
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	7.54	42.35	34.44	6.08	4.03	11.11	28.88	31.58
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2013.30	1300.40	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	4.78	51.87	3.64	3.32	11.72	12.08	61.90	3.87
Unplanned unavailable hours	3.80	13.67	0	3.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2013.30	1300.40	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	31.09	19.83	12.70	16.55	2.18	10.50	5.53	13.73
Unplanned unavailable hours	0	3.27	6.70	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2013.30	1300.40	2184.00	2183.00	2208.00	2209.00
Indicator value	0.7%	0.8%	0.8%	0.9%	0.8%	0.8%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



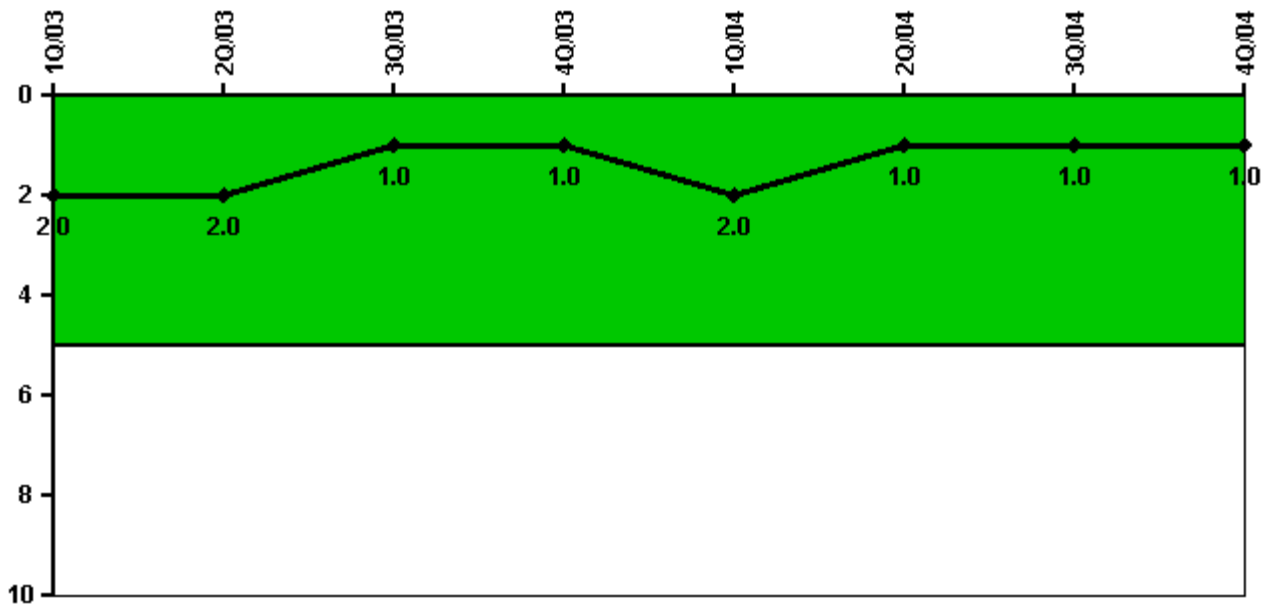
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	3.69	75.75	32.53	3.58	2.30	21.23	28.94	31.74
Unplanned unavailable hours	0	0.70	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	4.71	39.35	3.04	3.80	3.99	20.90	69.45	3.91
Unplanned unavailable hours	12.21	13.70	0	3.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	0.9%	1.1%	1.2%	1.2%	1.2%	1.2%	1.4%	1.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



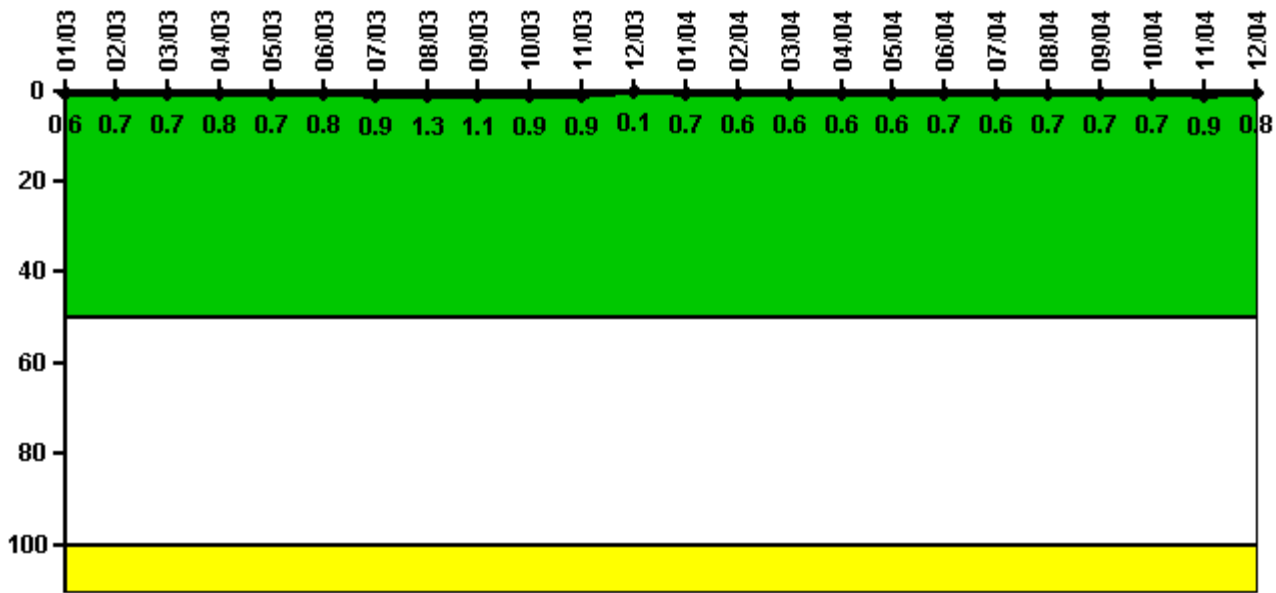
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



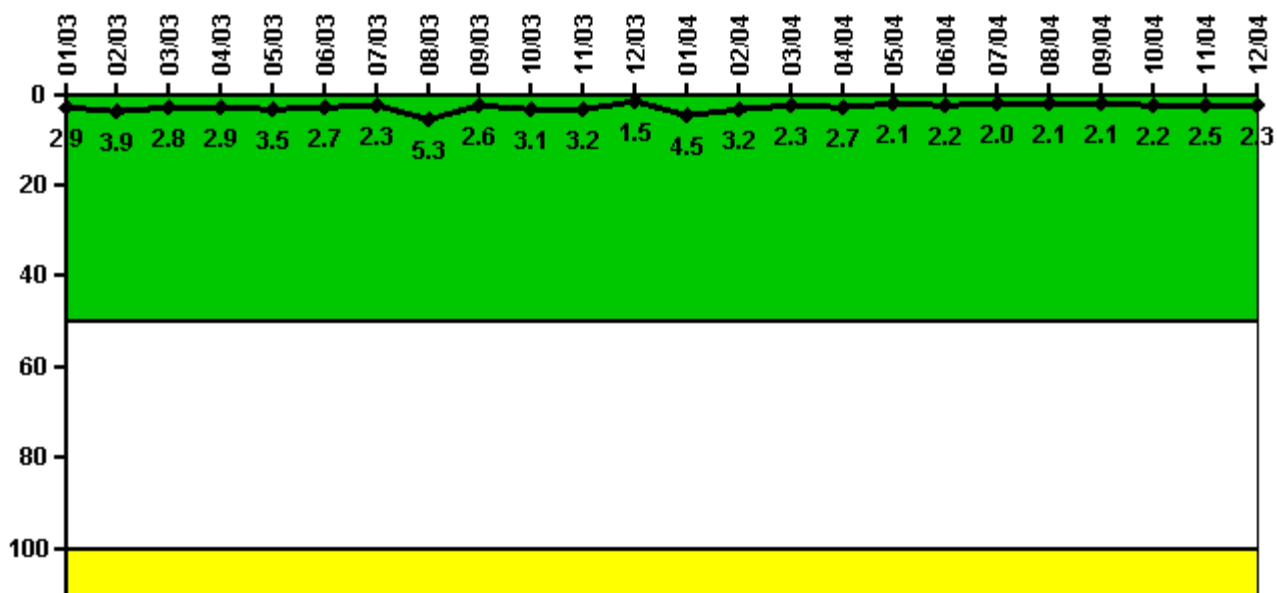
Thresholds: White > 50.0 Yellow > 100.0

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	0.000410	0.000440	0.000445	0.000490	0.000452	0.000543	0.000580	0.000844	0.000700	0.000567	0.000561	0.000094
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.7	0.7	0.8	0.7	0.8	0.9	1.3	1.1	0.9	0.9	0.1
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	0.000454	0.000388	0.000364	0.000376	0.000407	0.000427	0.000413	0.000435	0.000464	0.000461	0.000560	0.000503
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.9	0.8

Licensee Comments: none

Reactor Coolant System Leakage



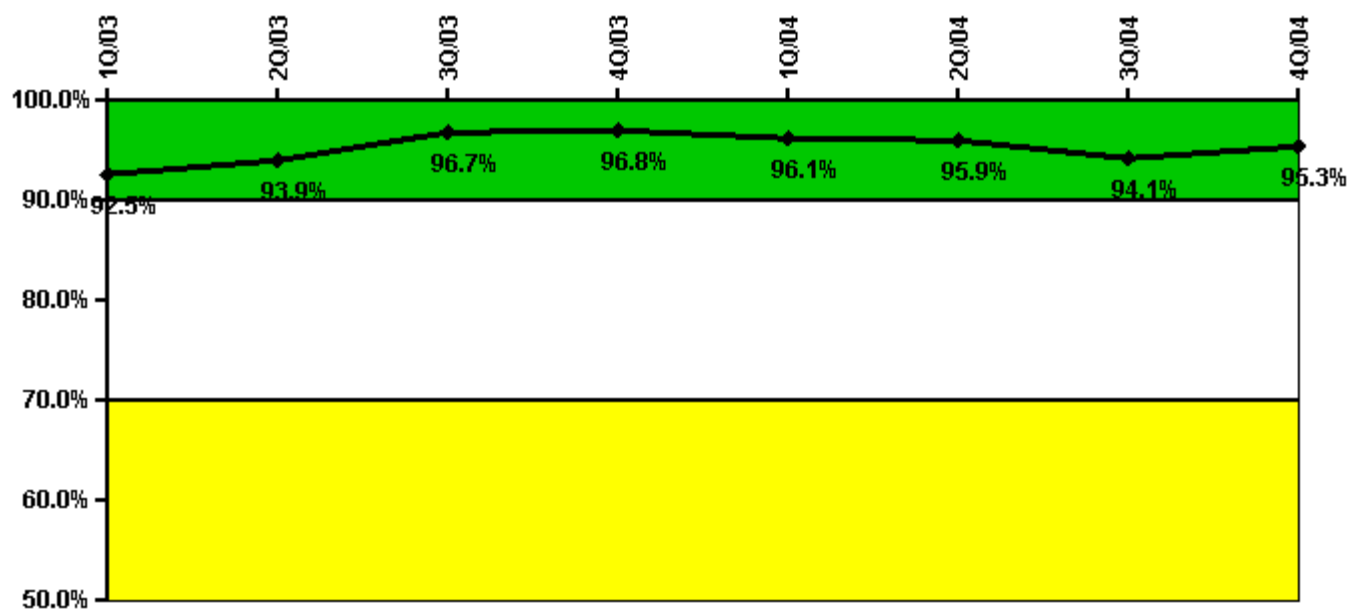
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	0.290	0.389	0.284	0.294	0.349	0.273	0.232	0.532	0.262	0.312	0.323	0.145
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.9	3.9	2.8	2.9	3.5	2.7	2.3	5.3	2.6	3.1	3.2	1.5
Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.447	0.319	0.229	0.271	0.214	0.217	0.195	0.208	0.211	0.217	0.253	0.228
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.5	3.2	2.3	2.7	2.1	2.2	2.0	2.1	2.1	2.2	2.5	2.3

Licensee Comments: none

Drill/Exercise Performance



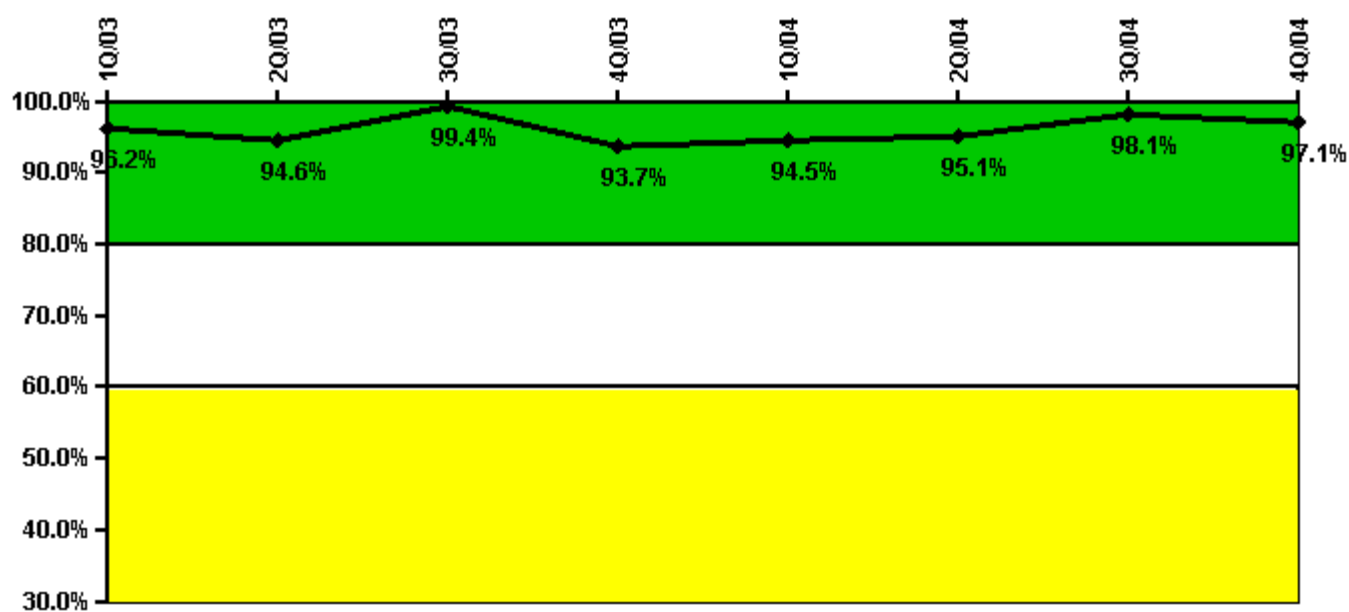
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	18.0	78.0	80.0	22.0	25.0	19.0	66.0	15.0
Total opportunities	18.0	78.0	82.0	22.0	28.0	20.0	76.0	15.0
Indicator value	92.5%	93.9%	96.7%	96.8%	96.1%	95.9%	94.1%	95.3%

Licensee Comments: none

ERO Drill Participation



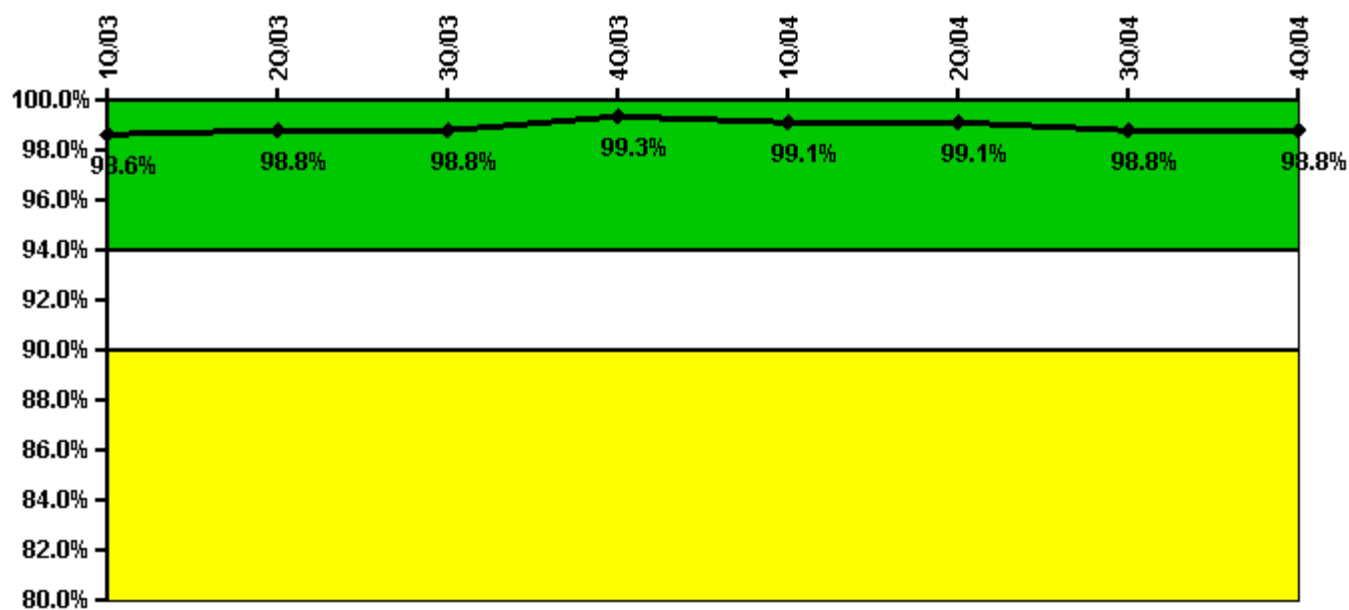
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	177.0	175.0	159.0	149.0	154.0	154.0	156.0	133.0
Total Key personnel	184.0	185.0	160.0	159.0	163.0	162.0	159.0	137.0
Indicator value	96.2%	94.6%	99.4%	93.7%	94.5%	95.1%	98.1%	97.1%

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	2220	2386	2457	2375	2383	2384	2494	2394
Total sirens-tests	2225	2403	2492	2388	2403	2403	2560	2403
Indicator value	98.6%	98.8%	98.8%	99.3%	99.1%	99.1%	98.8%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

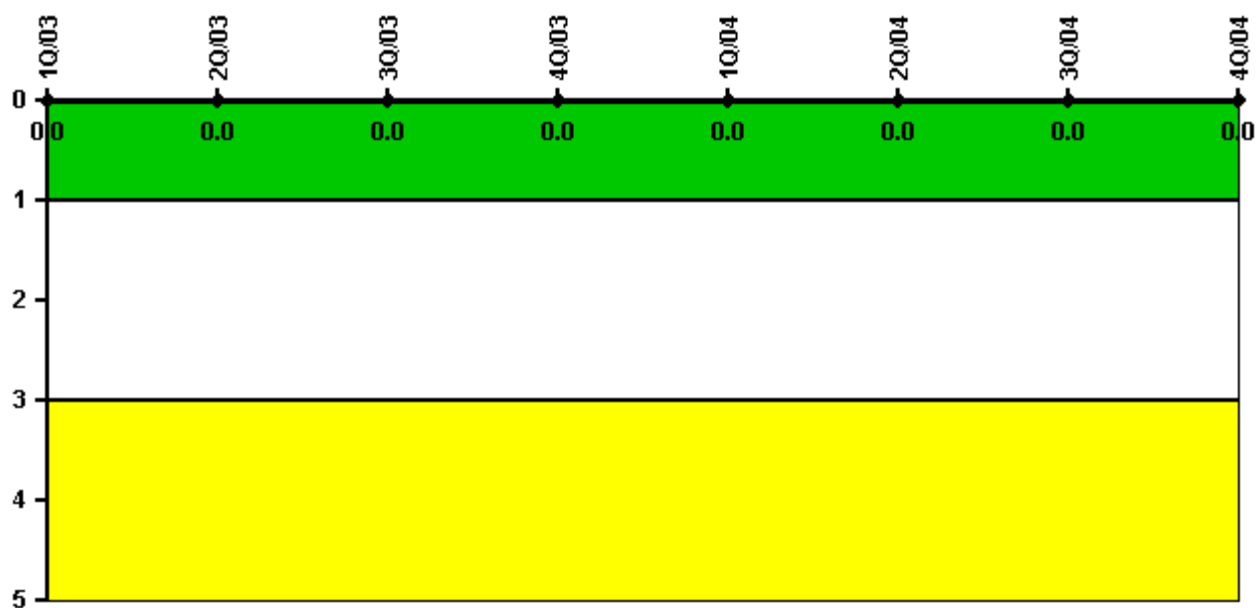


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
High radiation area occurrences	0	0	0	0	0	0	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/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](#)

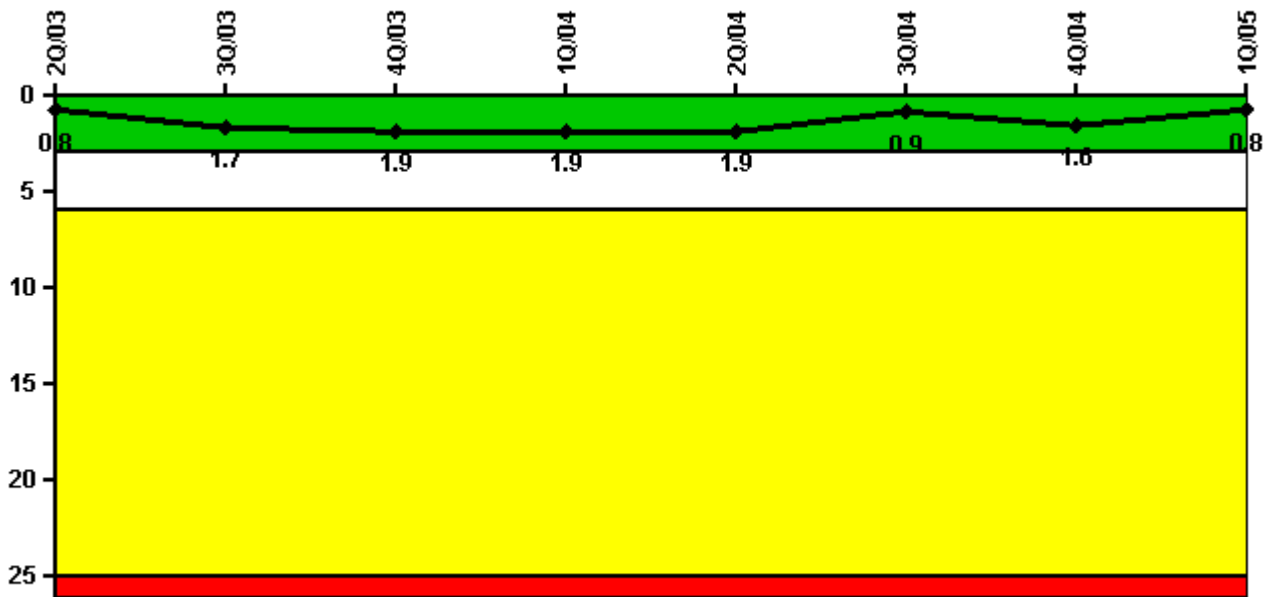
Last Modified: March 9, 2005

Catawba 1

1Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



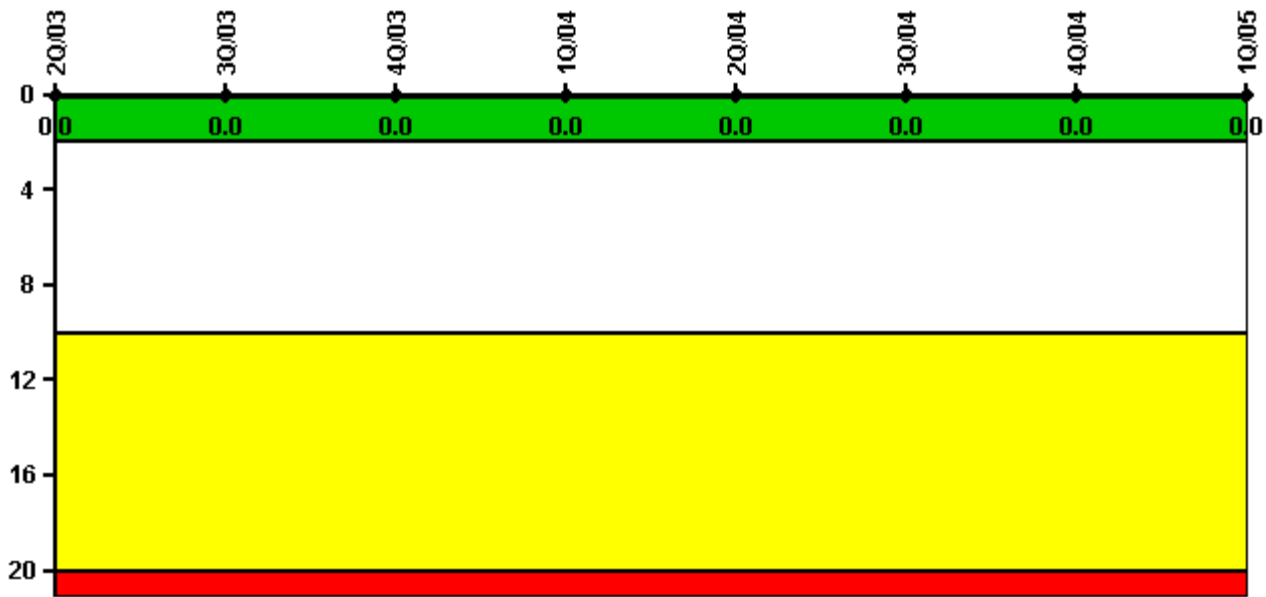
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	1.0	0
Critical hours	2183.0	1944.7	1226.8	2074.1	2183.0	2208.0	2179.6	2160.0
Indicator value	0.8	1.7	1.9	1.9	1.9	0.9	1.6	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



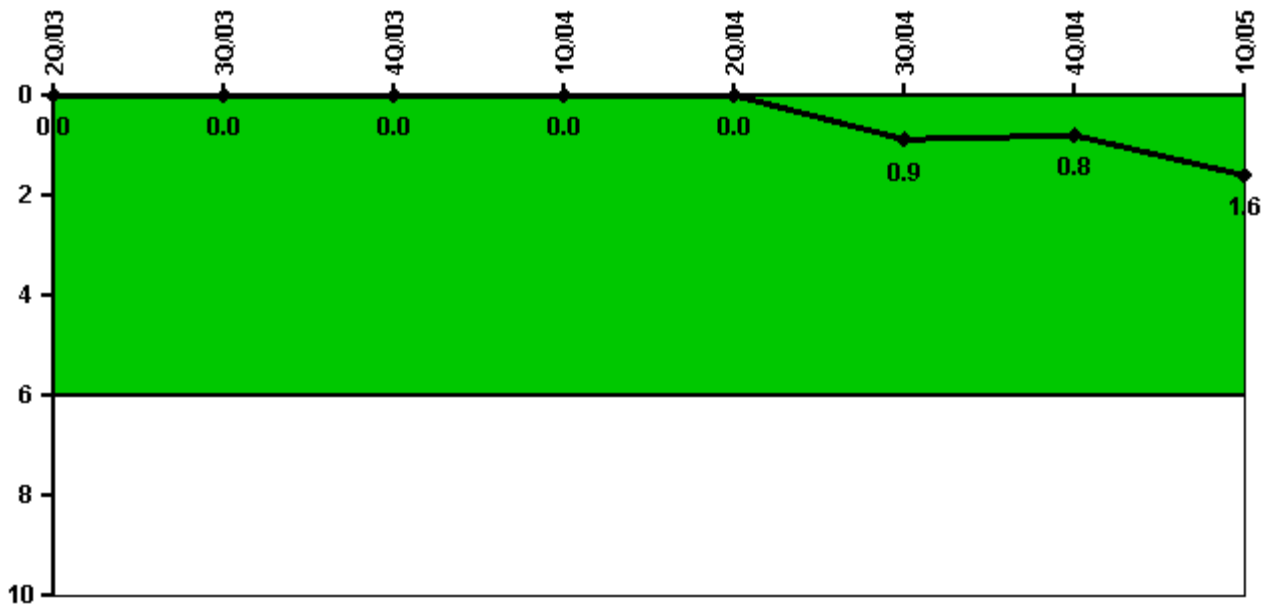
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



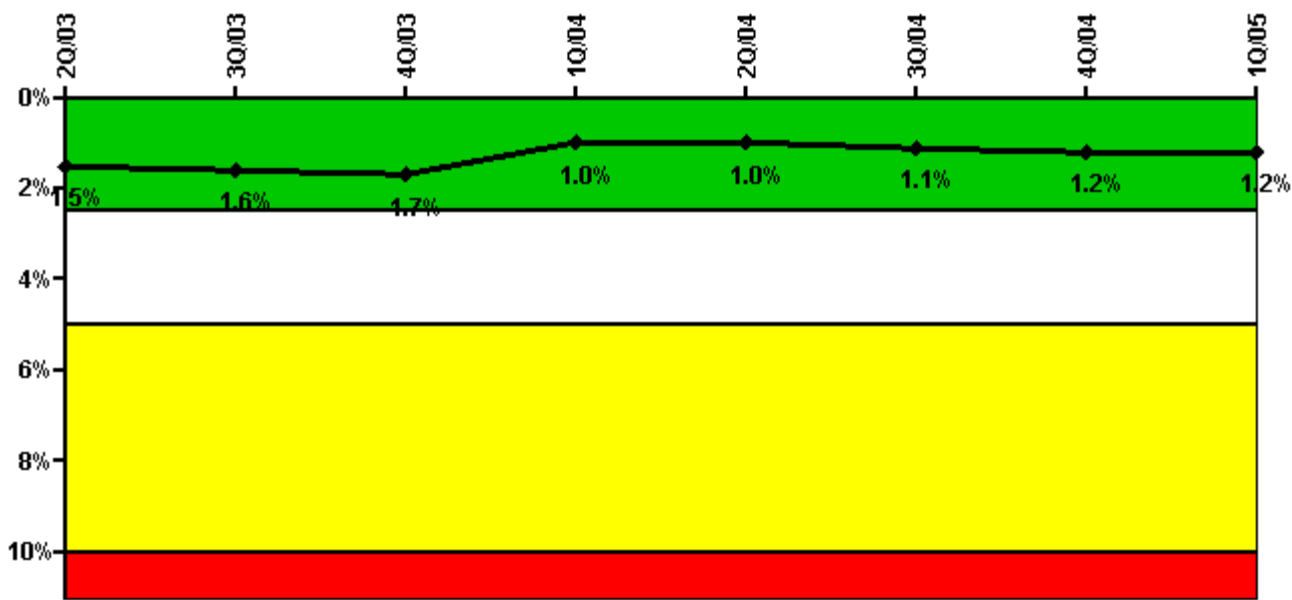
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	0	0	0	0	1.0	0	1.0
Critical hours	2183.0	1944.7	1226.8	2074.1	2183.0	2208.0	2179.6	2160.0
Indicator value	0	0	0	0	0	0.9	0.8	1.6

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



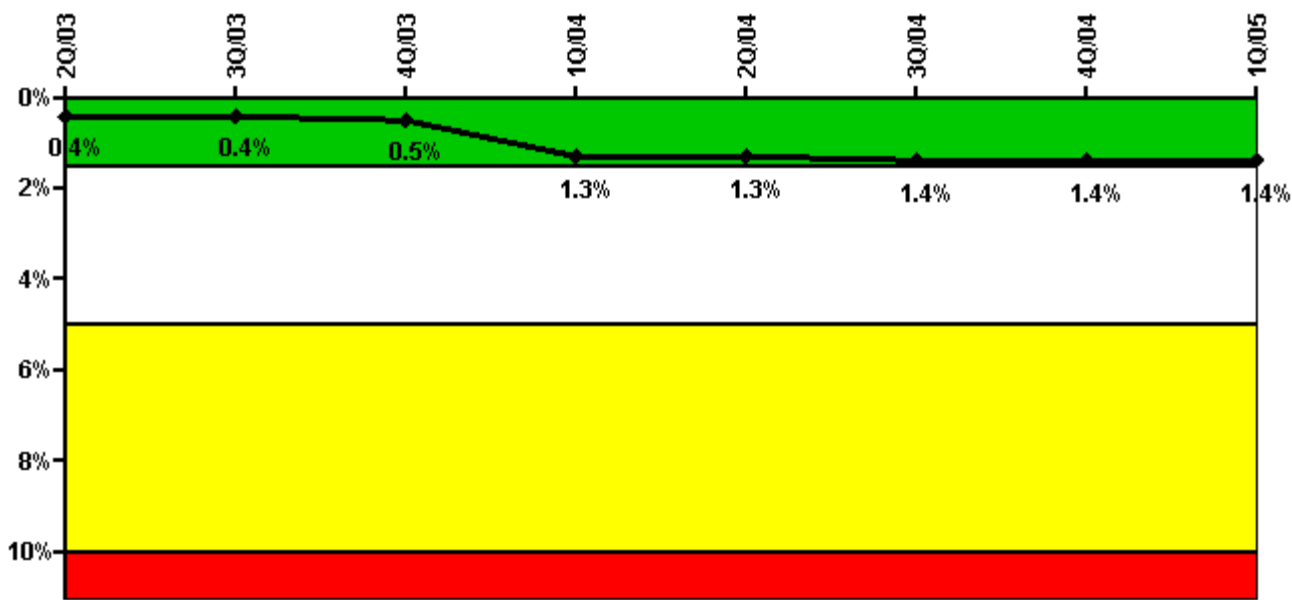
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	2.13	60.17	3.58	1.93	11.73	29.66	36.90	30.75
Unplanned unavailable hours	0	0	0	16.28	5.37	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	23.55	1.82	38.85	3.69	1.87	33.01	3.62	28.18
Unplanned unavailable hours	0	0	5.65	0	0	0	0	3.45
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	1416.00
Indicator value	1.5%	1.6%	1.7%	1.0%	1.0%	1.1%	1.2%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



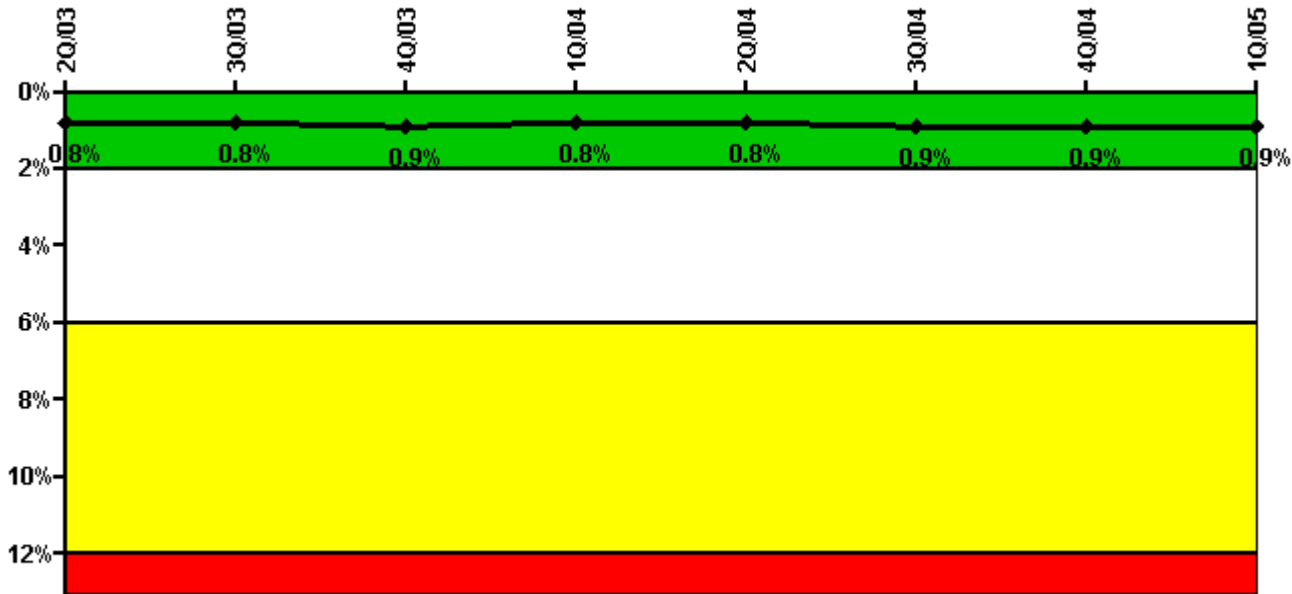
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	29.43	5.25	3.58	27.90	4.96	14.20	3.21	19.58
Unplanned unavailable hours	0	0	0	165.70	0	0	0	0
Fault exposure hours	0	0	0	159.70	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00
Train 2								
Planned unavailable hours	17.15	13.75	2.25	9.19	4.02	17.03	10.21	2.54
Unplanned unavailable hours	13.70	0	3.50	0	0	0	0	3.45
Fault exposure hours	0	0	0	157.70	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00
Train 3								
Planned unavailable hours	31.73	20.28	3.58	1.93	4.66	18.96	2.75	2.95
Unplanned unavailable hours	0	0	0	165.70	0	0	0	0
Fault exposure hours	0	0	0	159.70	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00
Train 4								
Planned unavailable hours	23.55	1.82	10.17	3.69	3.54	16.61	20.34	1.93
Unplanned unavailable hours	13.70	0	3.50	0	0	0	0	3.45
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	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00
Indicator value	0.4%	0.4%	0.5%	1.3%	1.3%	1.4%	1.4%	1.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



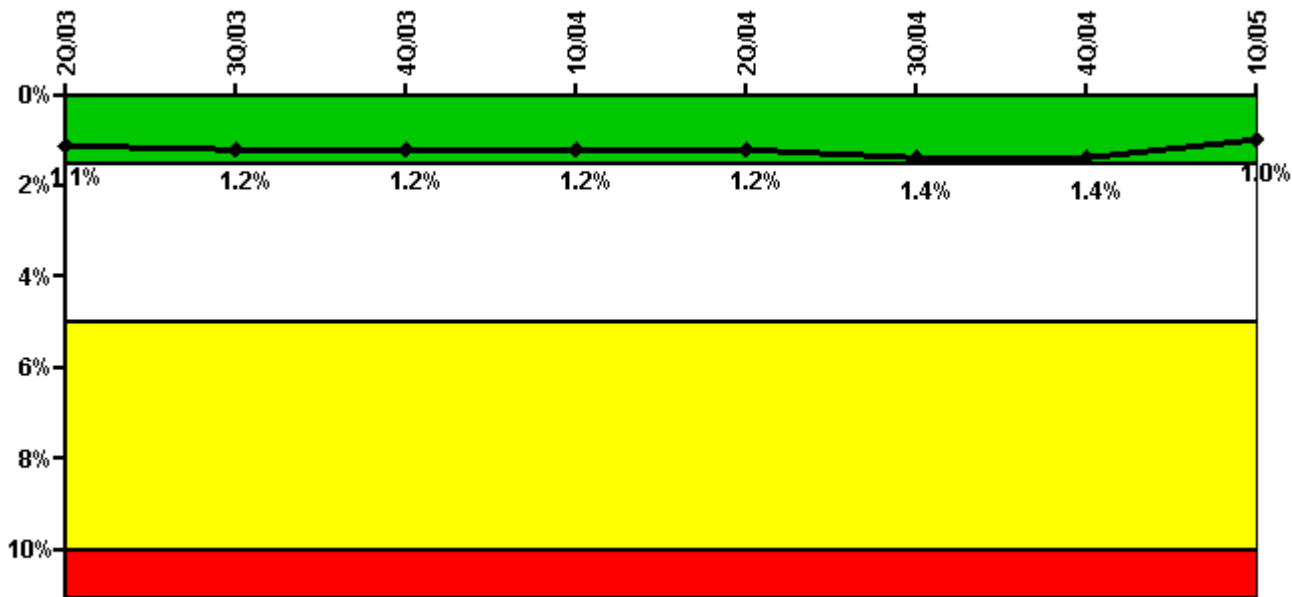
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	42.35	34.44	6.08	4.03	11.11	28.88	31.58	16.55
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	2103.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	51.87	3.64	3.32	11.72	12.08	61.90	3.87	19.45
Unplanned unavailable hours	13.67	0	3.50	0	0	0	0	3.45
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	2103.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	19.83	12.70	16.55	2.18	10.50	5.53	13.73	16.88
Unplanned unavailable hours	3.27	6.70	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2103.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.8%	0.8%	0.9%	0.8%	0.8%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



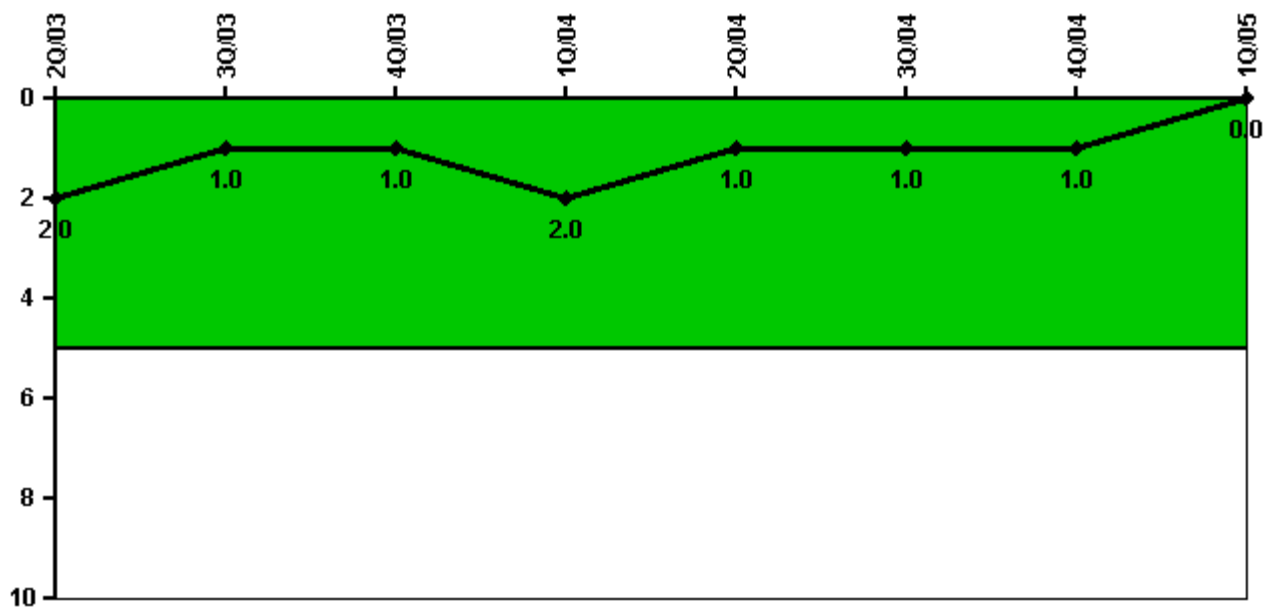
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	75.75	32.53	3.58	2.30	21.23	28.94	31.74	3.26
Unplanned unavailable hours	0.70	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	39.35	3.04	3.80	3.99	20.90	69.45	3.91	2.20
Unplanned unavailable hours	13.70	0	3.50	0	0	0	0	3.45
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%	1.2%	1.2%	1.2%	1.4%	1.4%	1.0%

Licensee Comments: none

Safety System Functional Failures (PWR)



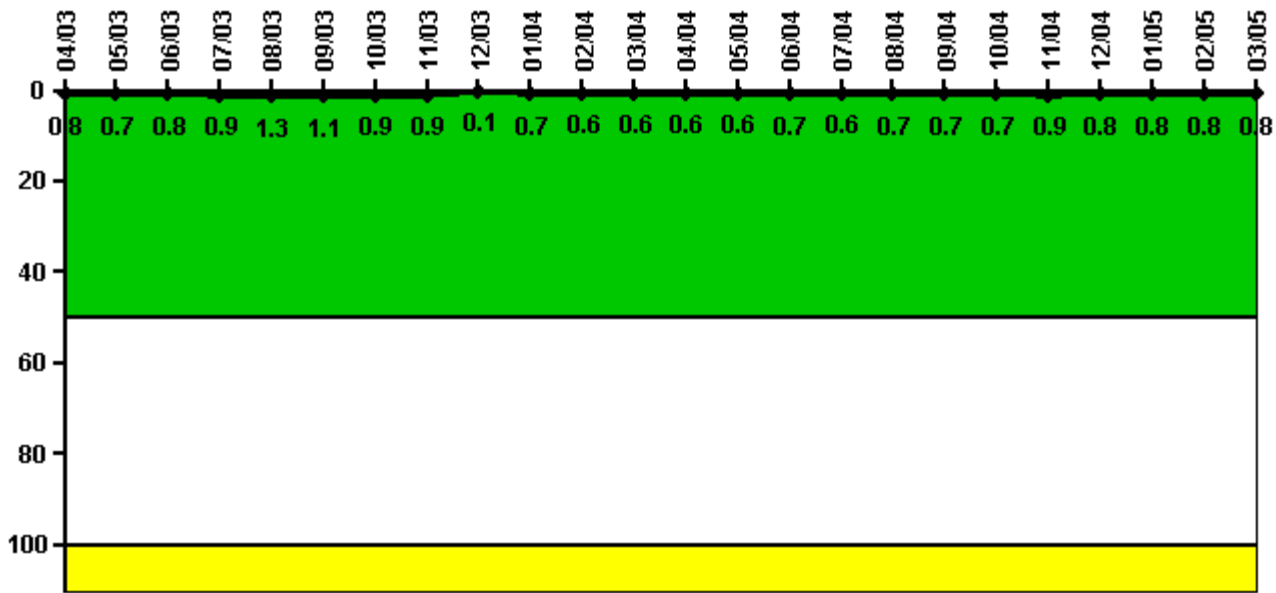
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



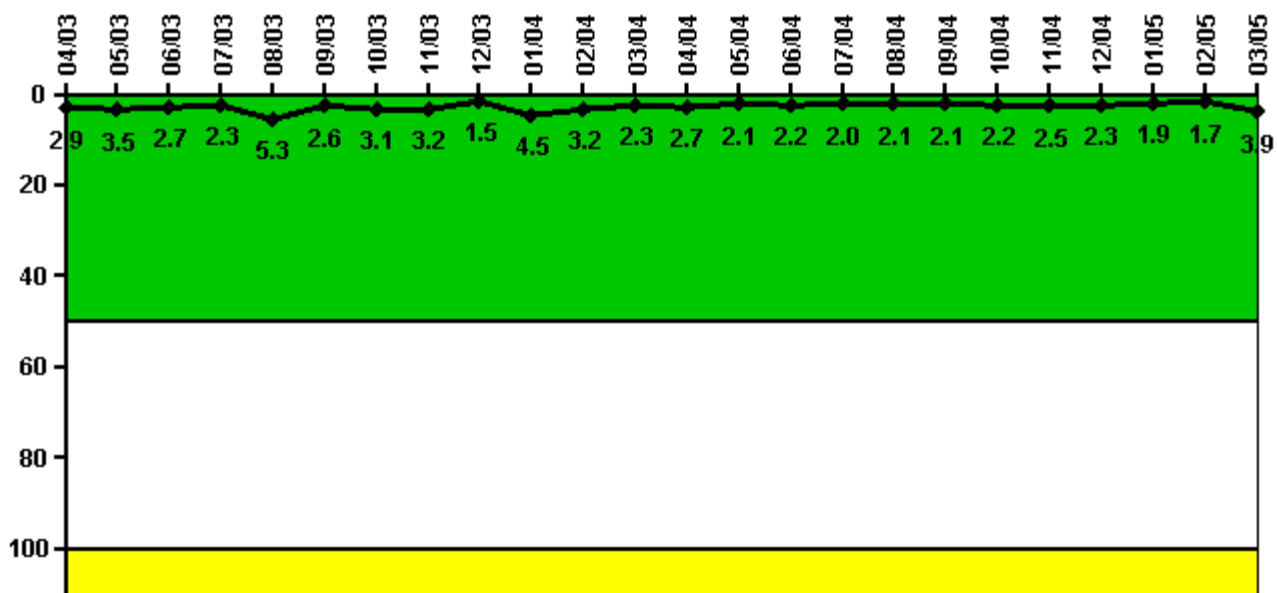
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.000490	0.000452	0.000543	0.000580	0.000844	0.000700	0.000567	0.000561	0.000094	0.000454	0.000388	0.000364
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.8	0.7	0.8	0.9	1.3	1.1	0.9	0.9	0.1	0.7	0.6	0.6
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	0.000376	0.000407	0.000427	0.000413	0.000435	0.000464	0.000461	0.000560	0.000503	0.000515	0.000504	0.000530
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.9	0.8	0.8	0.8	0.8

Licensee Comments: none

Reactor Coolant System Leakage



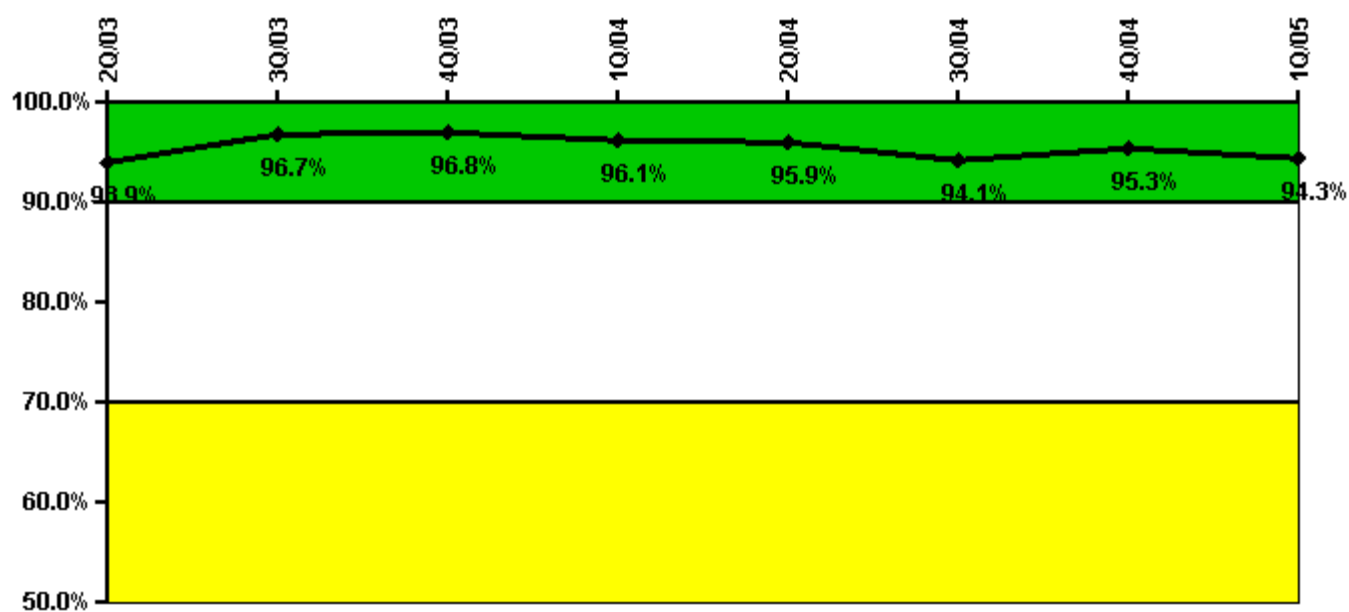
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.294	0.349	0.273	0.232	0.532	0.262	0.312	0.323	0.145	0.447	0.319	0.229
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.9	3.5	2.7	2.3	5.3	2.6	3.1	3.2	1.5	4.5	3.2	2.3
Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.271	0.214	0.217	0.195	0.208	0.211	0.217	0.253	0.228	0.189	0.172	0.385
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.7	2.1	2.2	2.0	2.1	2.1	2.2	2.5	2.3	1.9	1.7	3.9

Licensee Comments: none

Drill/Exercise Performance



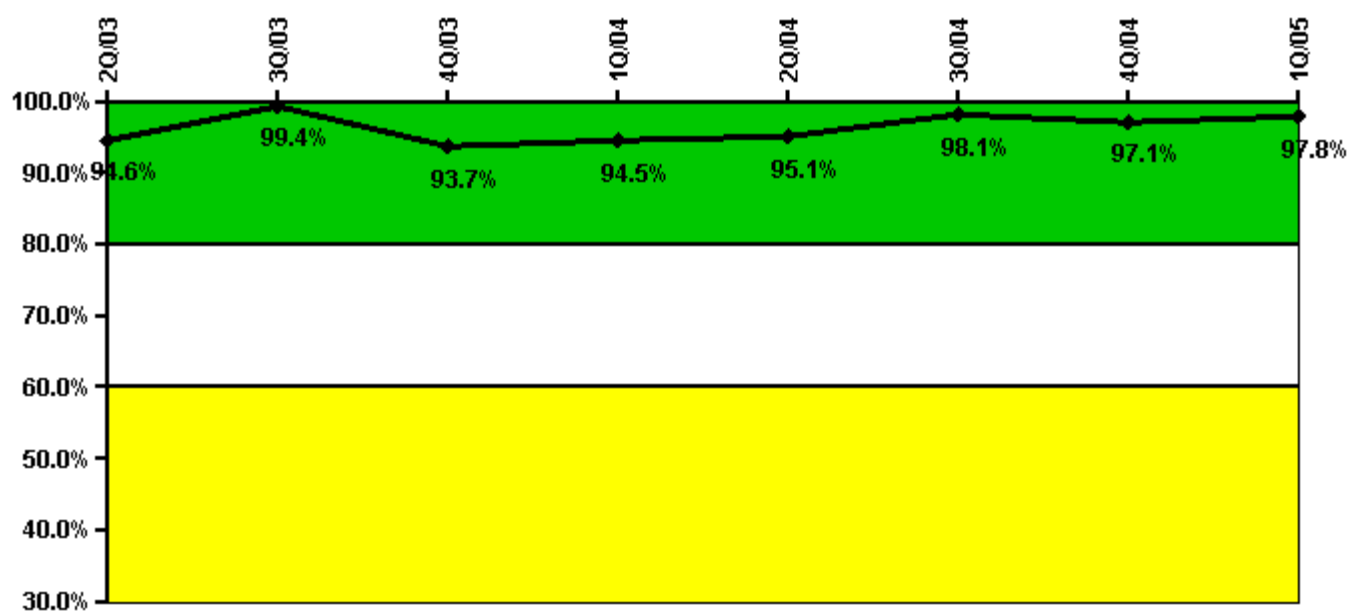
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	78.0	80.0	22.0	25.0	19.0	66.0	15.0	56.0
Total opportunities	78.0	82.0	22.0	28.0	20.0	76.0	15.0	62.0
Indicator value	93.9%	96.7%	96.8%	96.1%	95.9%	94.1%	95.3%	94.3%

Licensee Comments: none

ERO Drill Participation



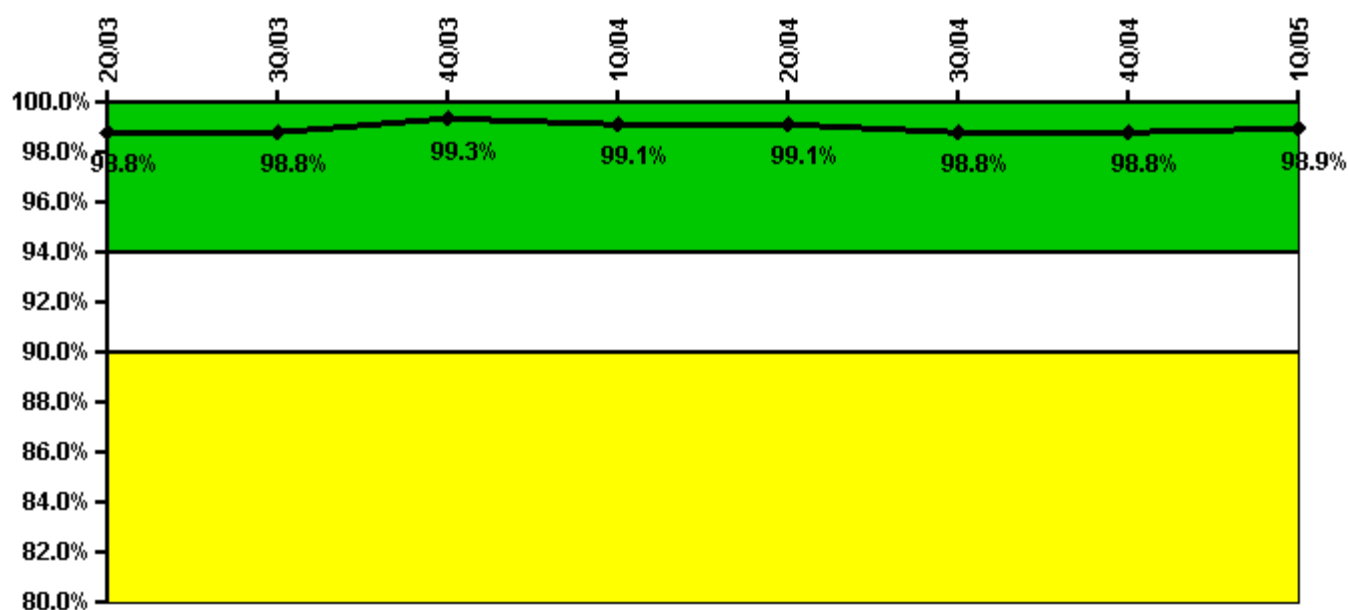
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	175.0	159.0	149.0	154.0	154.0	156.0	133.0	134.0
Total Key personnel	185.0	160.0	159.0	163.0	162.0	159.0	137.0	137.0
Indicator value	94.6%	99.4%	93.7%	94.5%	95.1%	98.1%	97.1%	97.8%

Licensee Comments: none

Alert & Notification System



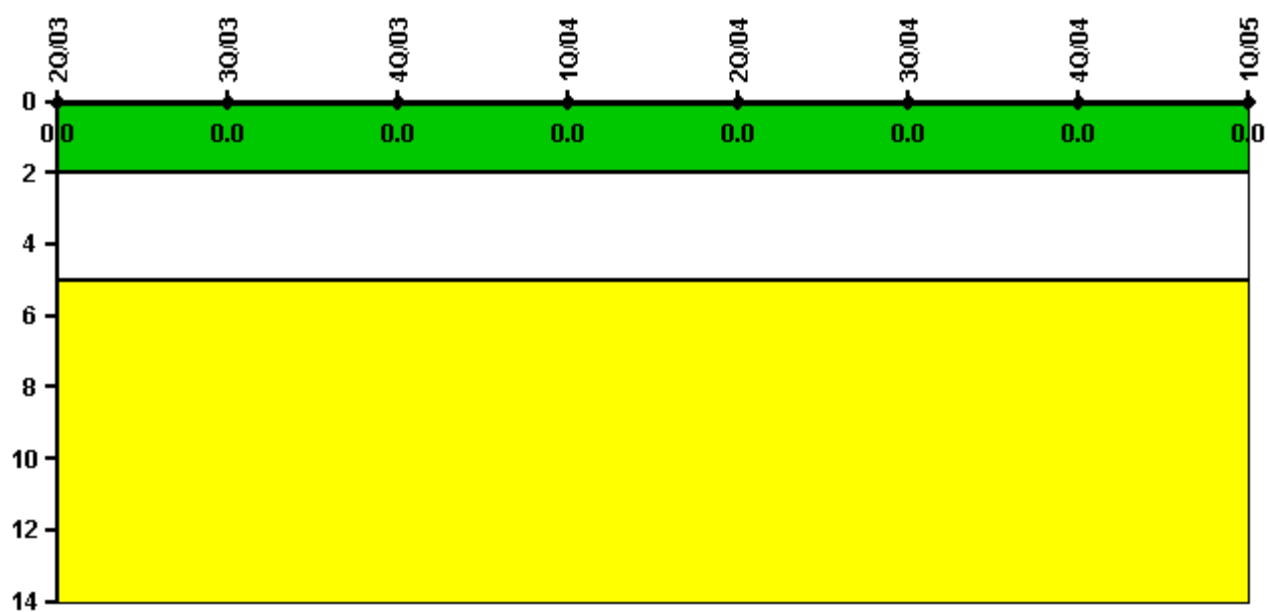
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	2386	2457	2375	2383	2384	2494	2394	2391
Total sirens-tests	2403	2492	2388	2403	2403	2560	2403	2403
Indicator value	98.8%	98.8%	99.3%	99.1%	99.1%	98.8%	98.8%	98.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

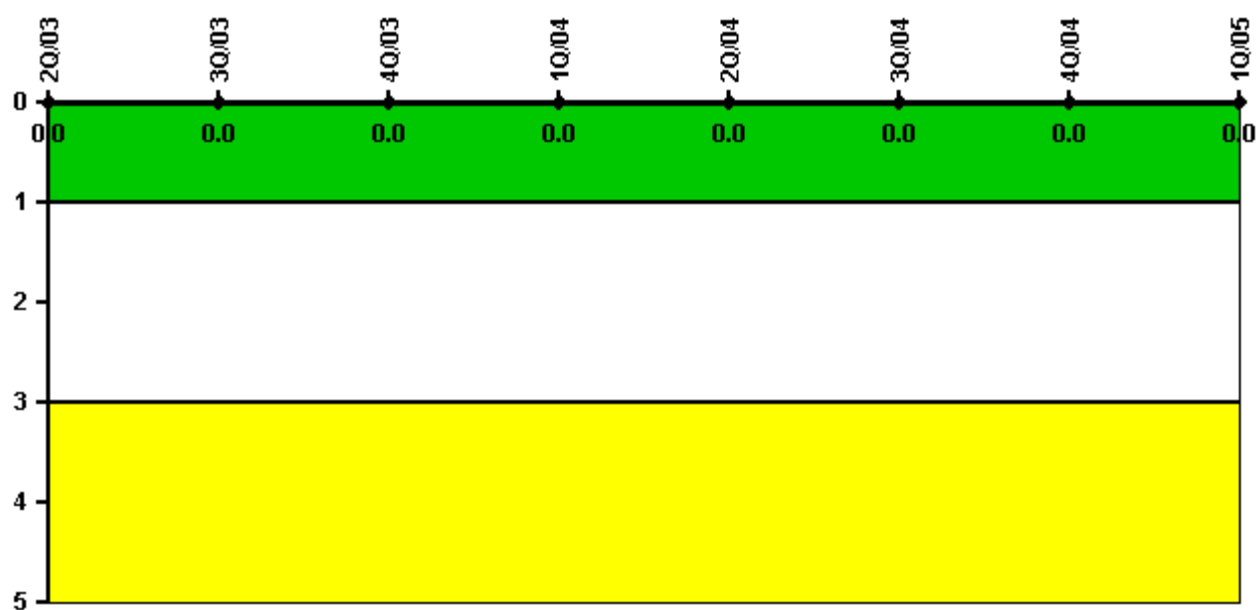


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

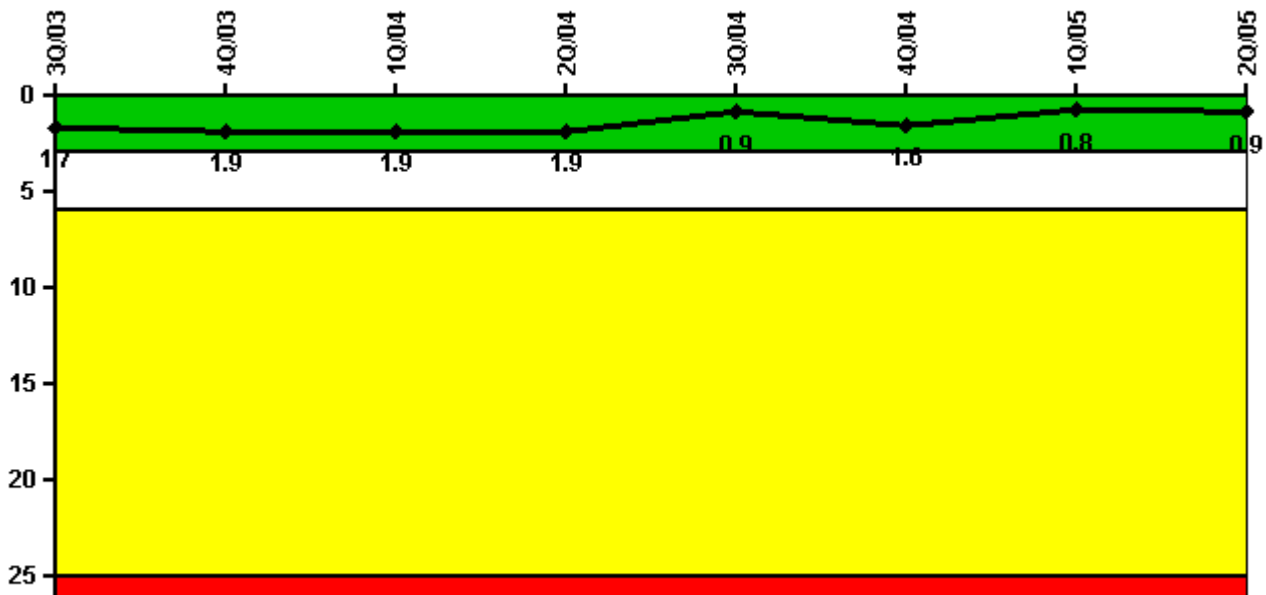
Last Modified: June 17, 2005

Catawba 1

2Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



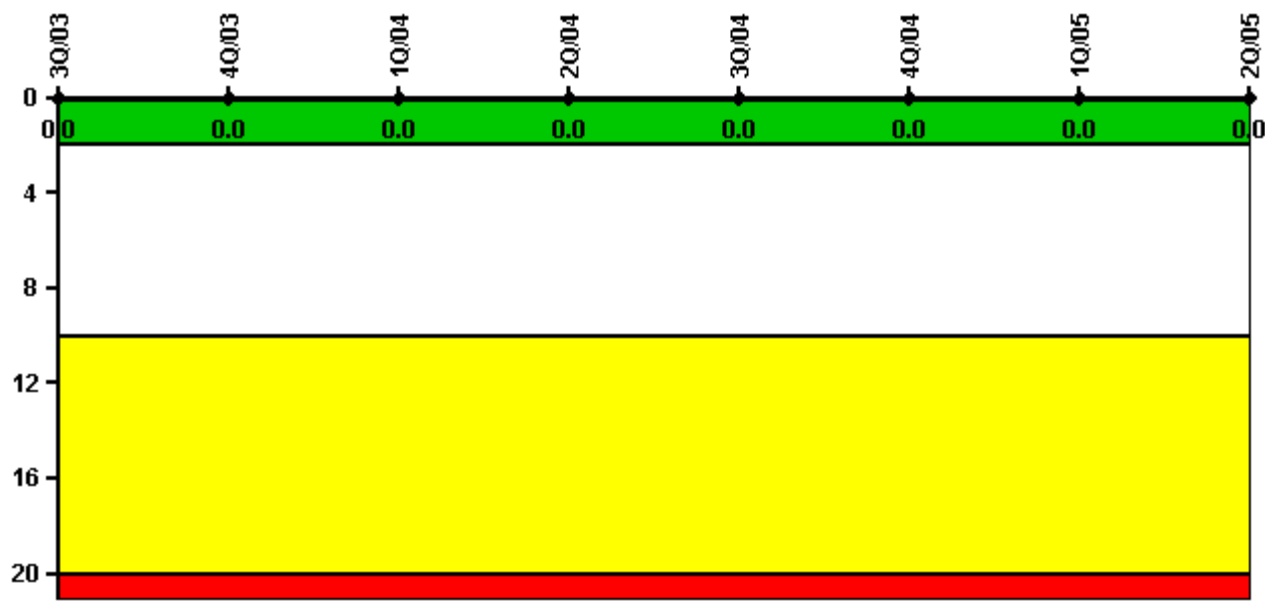
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	1.0	0	0
Critical hours	1944.7	1226.8	2074.1	2183.0	2208.0	2179.6	2160.0	1482.4
Indicator value	1.7	1.9	1.9	1.9	0.9	1.6	0.8	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



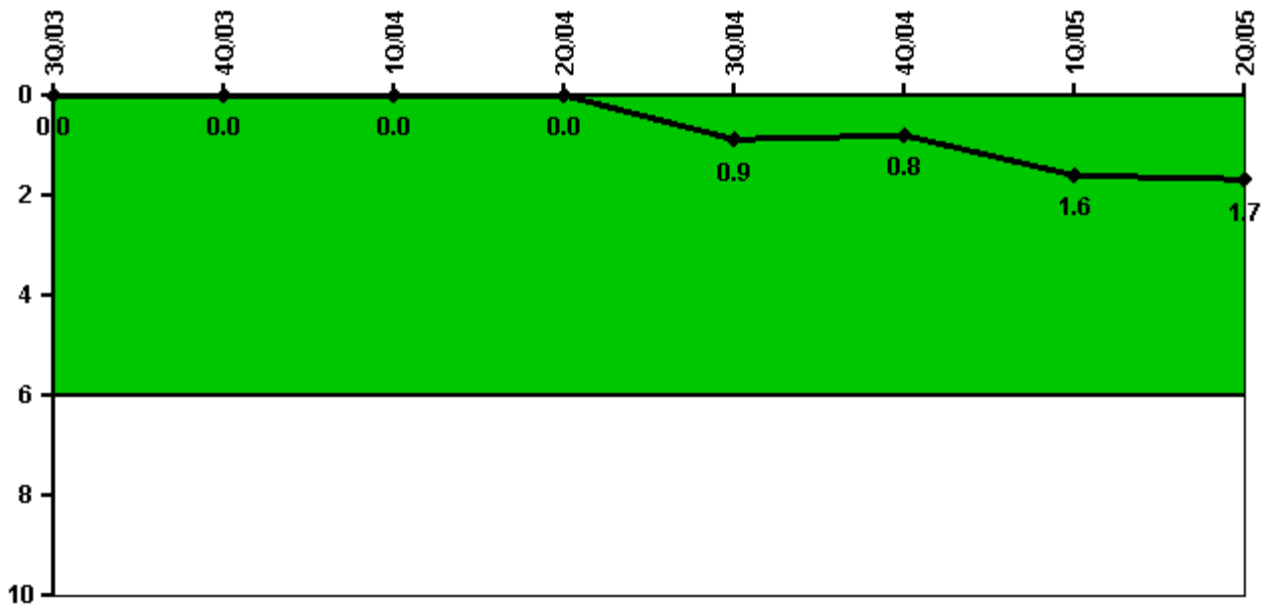
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



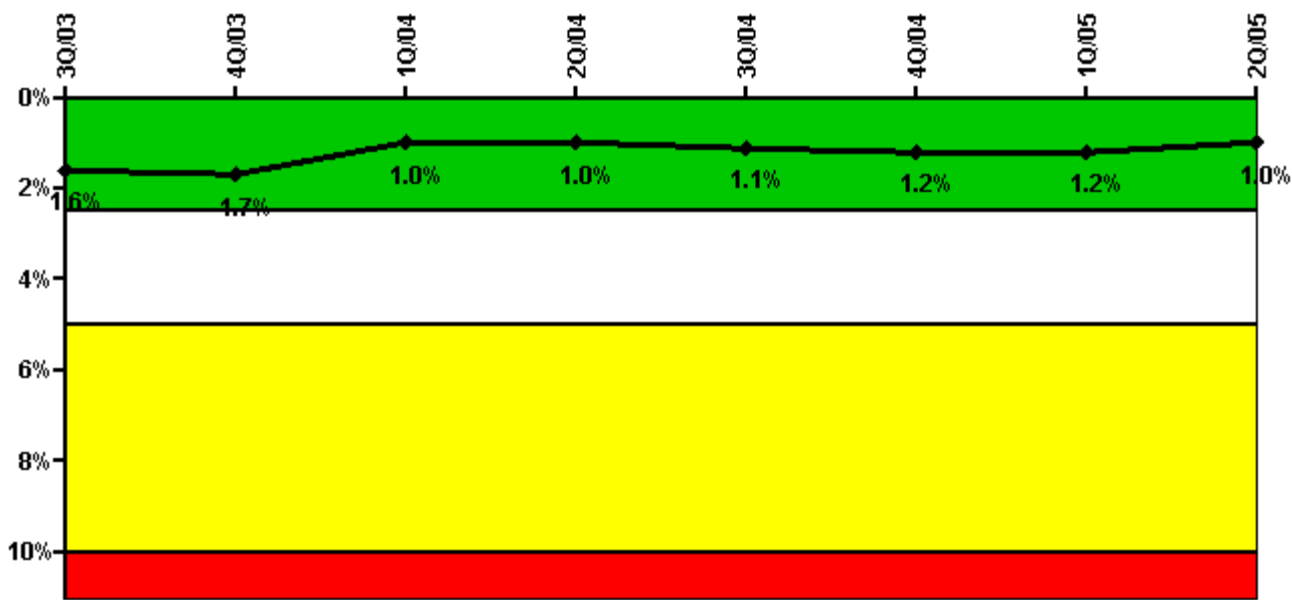
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	1944.7	1226.8	2074.1	2183.0	2208.0	2179.6	2160.0	1482.4
Indicator value	0	0	0	0	0.9	0.8	1.6	1.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



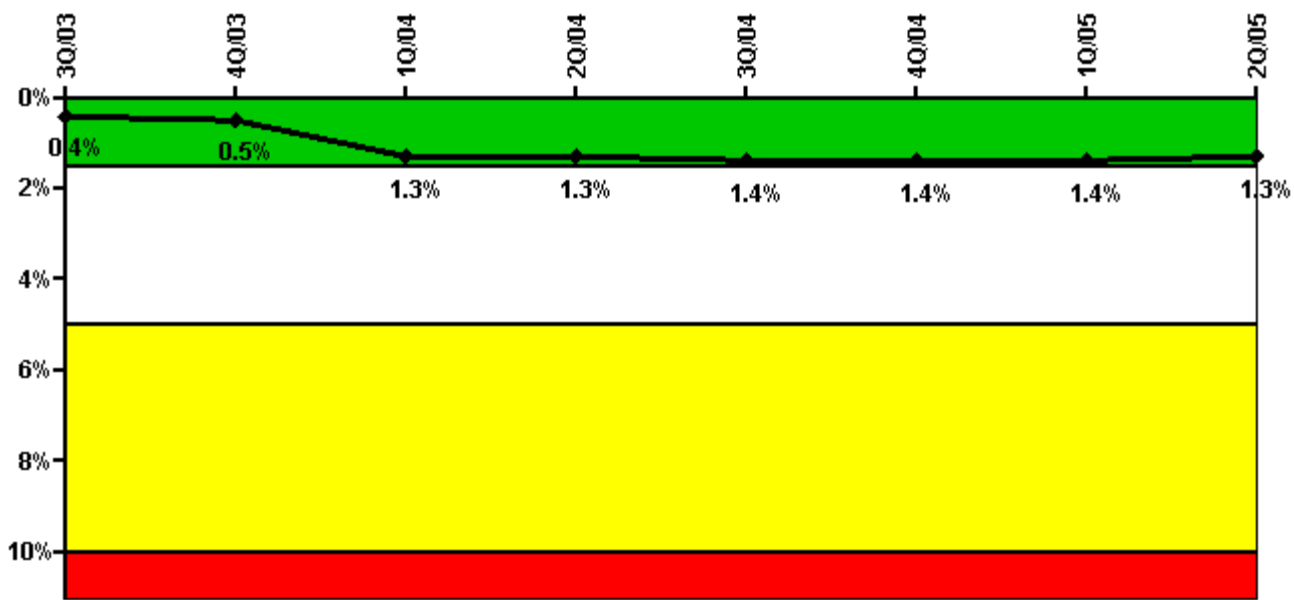
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	60.17	3.58	1.93	11.73	29.66	36.90	30.75	0
Unplanned unavailable hours	0	0	16.28	5.37	0	0	0	40.62
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	1.82	38.85	3.69	1.87	33.01	3.62	28.18	3.57
Unplanned unavailable hours	0	5.65	0	0	0	0	3.45	0
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	1416.00	2183.00
Indicator value	1.6%	1.7%	1.0%	1.0%	1.1%	1.2%	1.2%	1.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



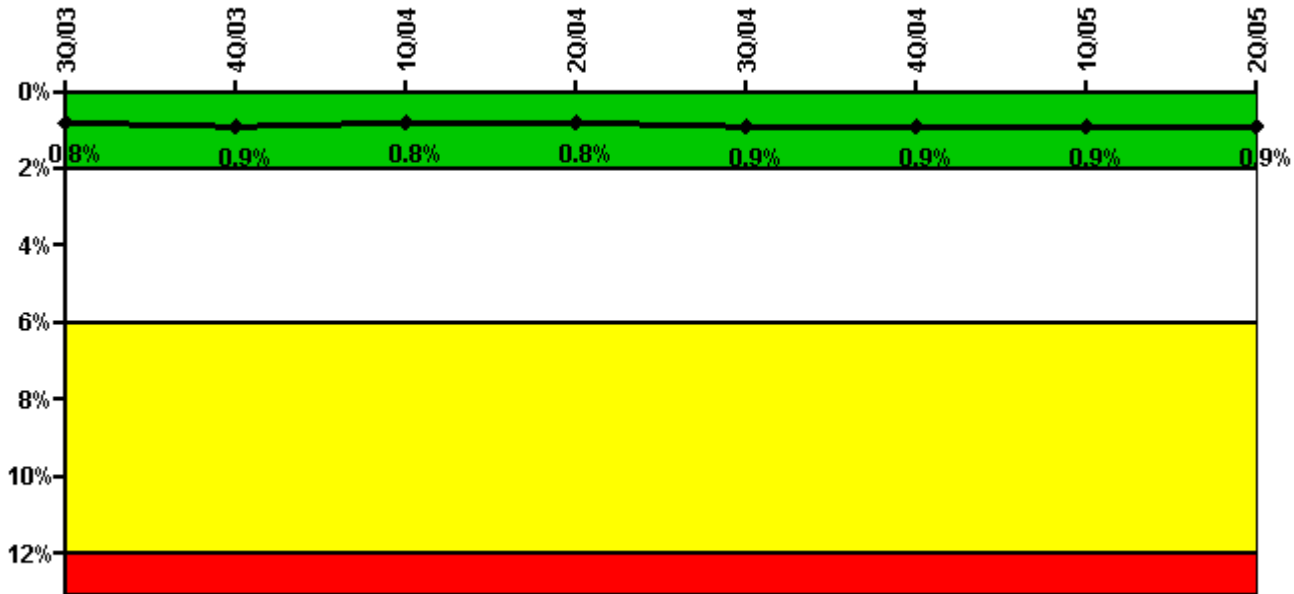
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	5.25	3.58	27.90	4.96	14.20	3.21	19.58	0.25
Unplanned unavailable hours	0	0	165.70	0	0	0	0	0
Fault exposure hours	0	0	159.70	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38
Train 2								
Planned unavailable hours	13.75	2.25	9.19	4.02	17.03	10.21	2.54	3.76
Unplanned unavailable hours	0	3.50	0	0	0	0	3.45	0
Fault exposure hours	0	0	157.70	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38
Train 3								
Planned unavailable hours	20.28	3.58	1.93	4.66	18.96	2.75	2.95	0
Unplanned unavailable hours	0	0	165.70	0	0	0	0	0
Fault exposure hours	0	0	159.70	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38
Train 4								
Planned unavailable hours	1.82	10.17	3.69	3.54	16.61	20.34	1.93	3.57
Unplanned unavailable hours	0	3.50	0	0	0	0	3.45	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38
Indicator value	0.4%	0.5%	1.3%	1.3%	1.4%	1.4%	1.4%	1.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



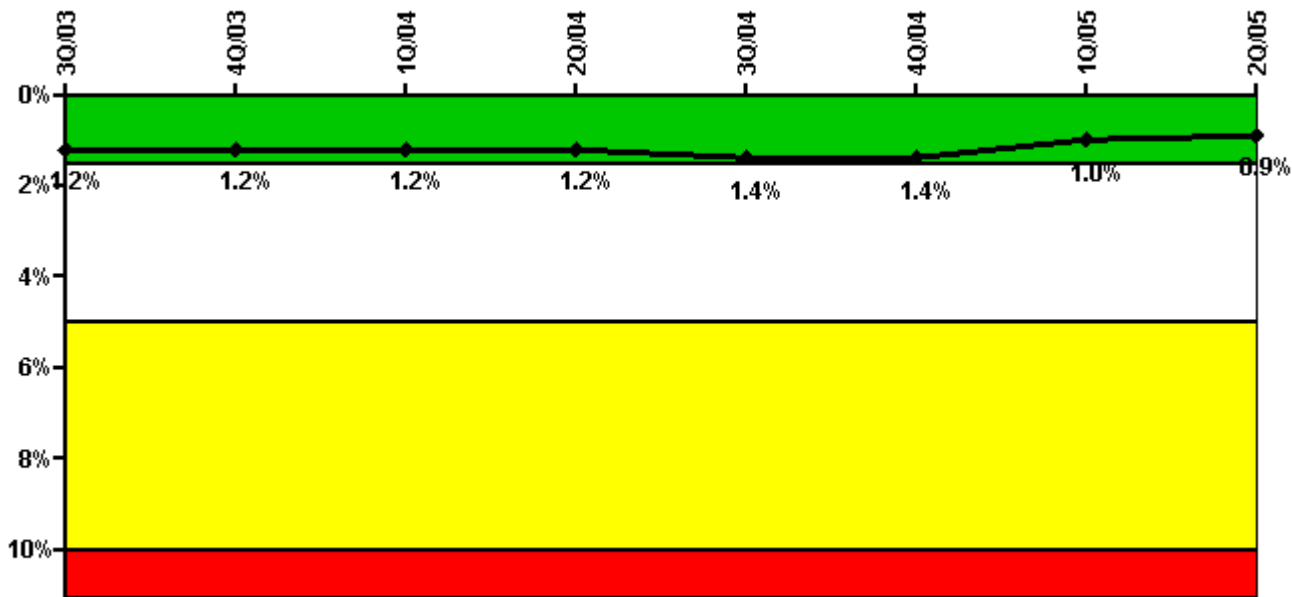
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	34.44	6.08	4.03	11.11	28.88	31.58	16.55	0.25
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	2013.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43
Train 2								
Planned unavailable hours	3.64	3.32	11.72	12.08	61.90	3.87	19.45	4.40
Unplanned unavailable hours	0	3.50	0	0	0	0	3.45	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2013.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43
Train 3								
Planned unavailable hours	12.70	16.55	2.18	10.50	5.53	13.73	16.88	7.83
Unplanned unavailable hours	6.70	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2013.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43
Indicator value	0.8%	0.9%	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



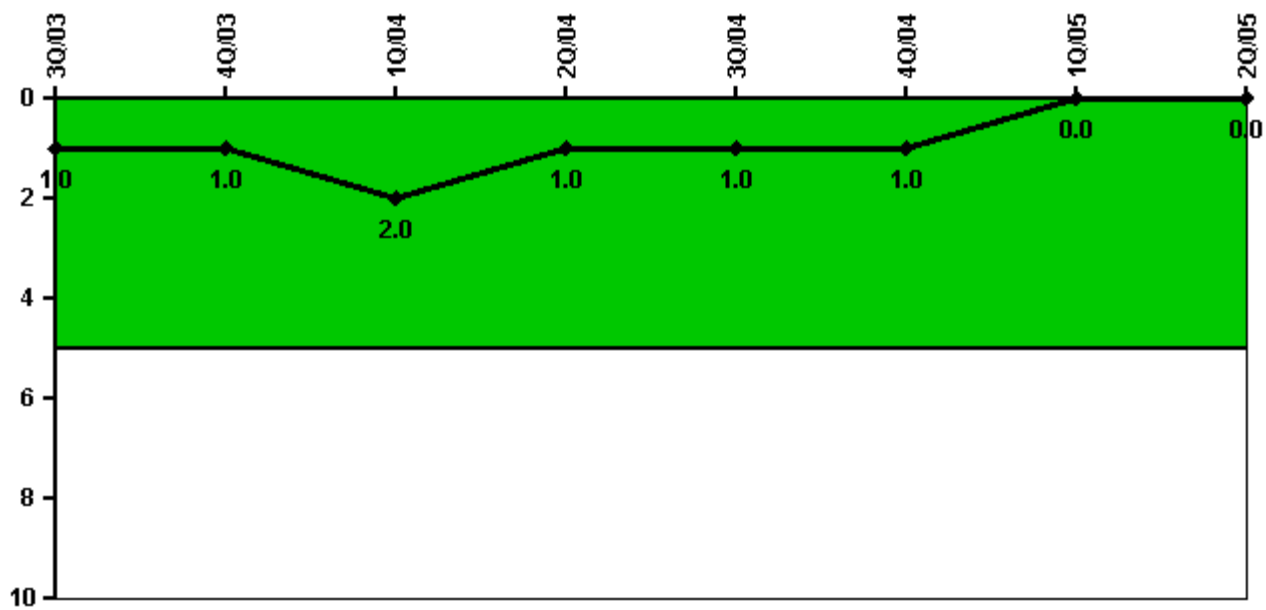
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	32.53	3.58	2.30	21.23	28.94	31.74	3.26	0.34
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	3.04	3.80	3.99	20.90	69.45	3.91	2.20	3.87
Unplanned unavailable hours	0	3.50	0	0	0	0	3.45	0
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%	1.2%	1.2%	1.2%	1.4%	1.4%	1.0%	0.9%

Licensee Comments: none

Safety System Functional Failures (PWR)



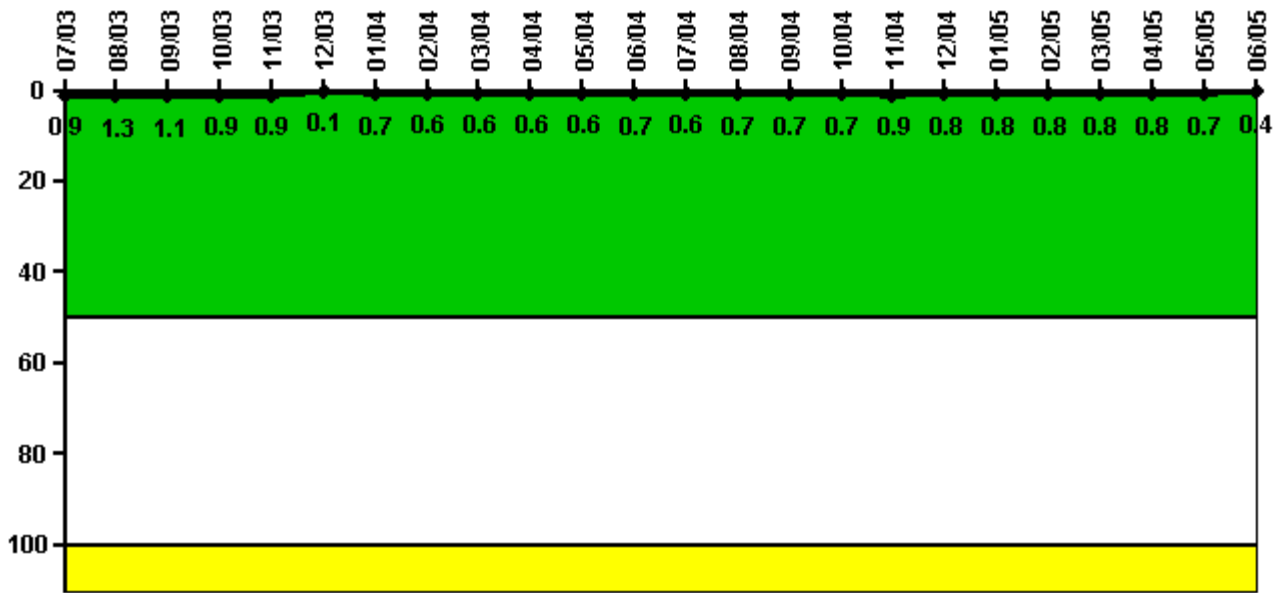
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



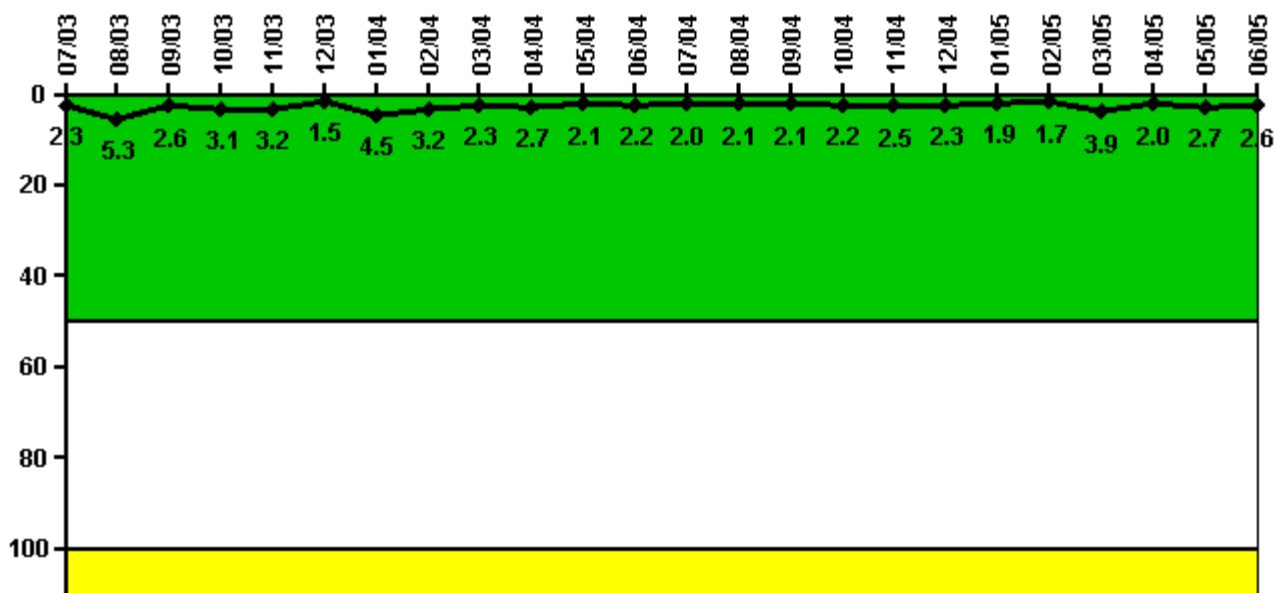
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000580	0.000844	0.000700	0.000567	0.000561	0.000094	0.000454	0.000388	0.000364	0.000376	0.000407	0.000427
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.9	1.3	1.1	0.9	0.9	0.1	0.7	0.6	0.6	0.6	0.6	0.7
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	0.000413	0.000435	0.000464	0.000461	0.000560	0.000503	0.000515	0.000504	0.000530	0.000532	0.000467	0.000246
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.7	0.7	0.7	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.4

Licensee Comments: none

Reactor Coolant System Leakage



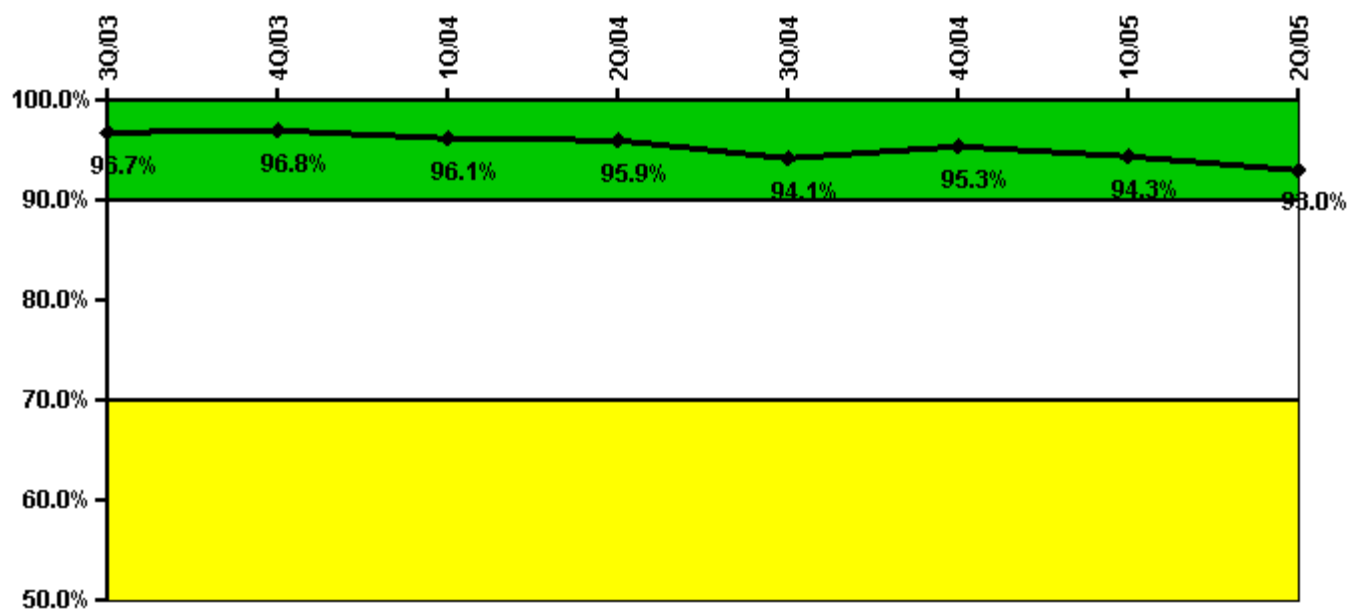
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.232	0.532	0.262	0.312	0.323	0.145	0.447	0.319	0.229	0.271	0.214	0.217
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	5.3	2.6	3.1	3.2	1.5	4.5	3.2	2.3	2.7	2.1	2.2
Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.195	0.208	0.211	0.217	0.253	0.228	0.189	0.172	0.385	0.198	0.267	0.262
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	2.1	2.1	2.2	2.5	2.3	1.9	1.7	3.9	2.0	2.7	2.6

Licensee Comments: none

Drill/Exercise Performance



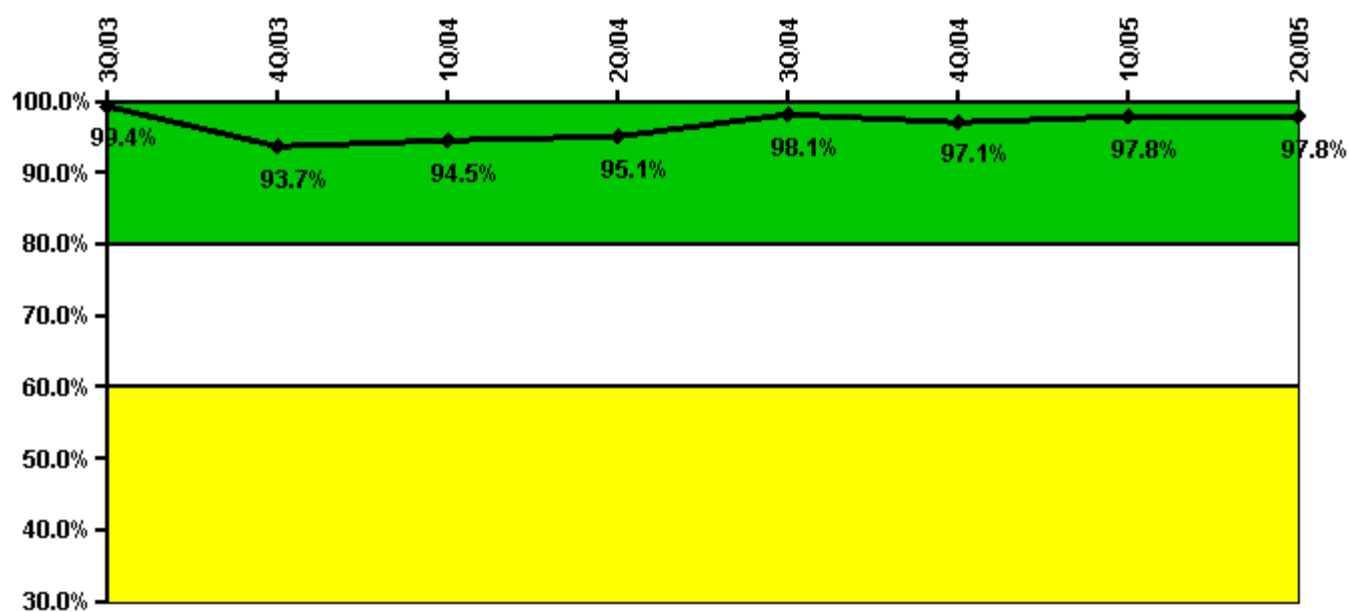
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	80.0	22.0	25.0	19.0	66.0	15.0	56.0	8.0
Total opportunities	82.0	22.0	28.0	20.0	76.0	15.0	62.0	8.0
Indicator value	96.7%	96.8%	96.1%	95.9%	94.1%	95.3%	94.3%	93.0%

Licensee Comments: none

ERO Drill Participation



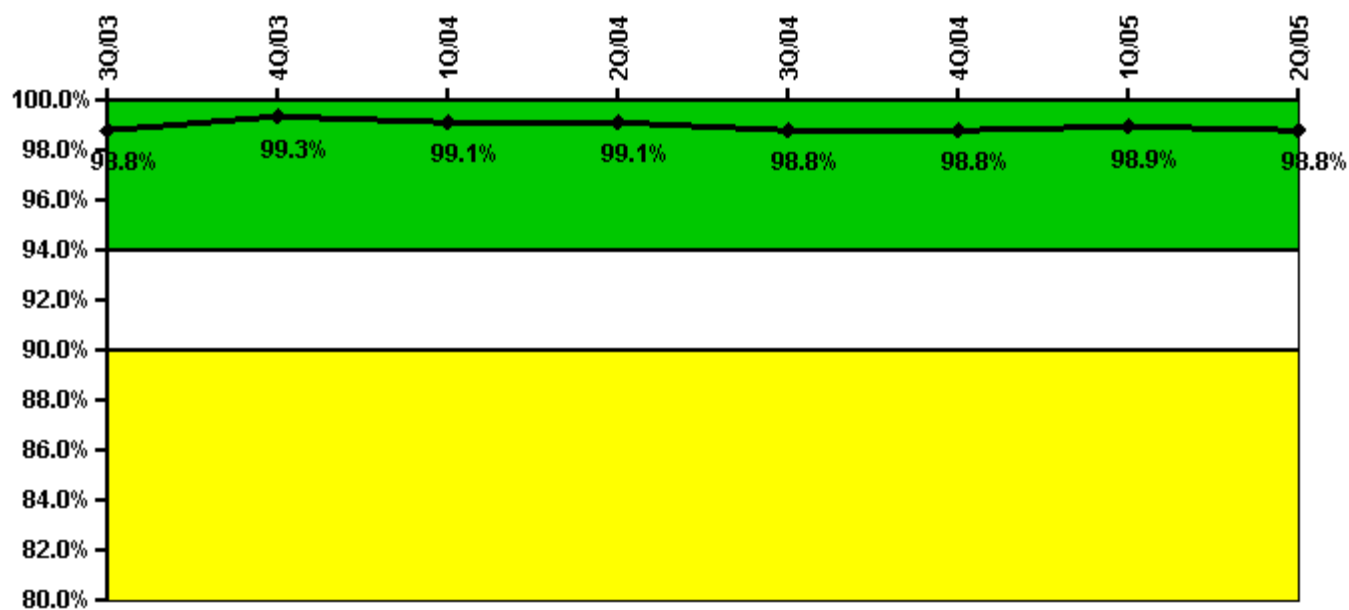
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	159.0	149.0	154.0	154.0	156.0	133.0	134.0	133.0
Total Key personnel	160.0	159.0	163.0	162.0	159.0	137.0	137.0	136.0
Indicator value	99.4%	93.7%	94.5%	95.1%	98.1%	97.1%	97.8%	97.8%

Licensee Comments: none

Alert & Notification System



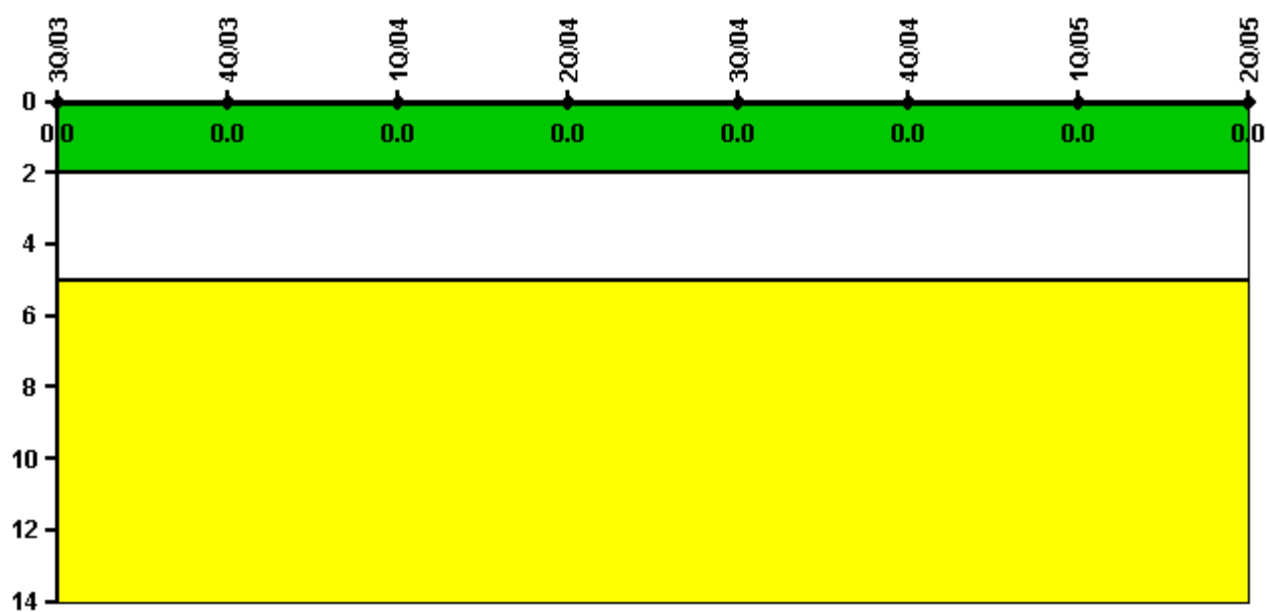
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	2457	2375	2383	2384	2494	2394	2391	2376
Total sirens-tests	2492	2388	2403	2403	2560	2403	2403	2403
Indicator value	98.8%	99.3%	99.1%	99.1%	98.8%	98.8%	98.9%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



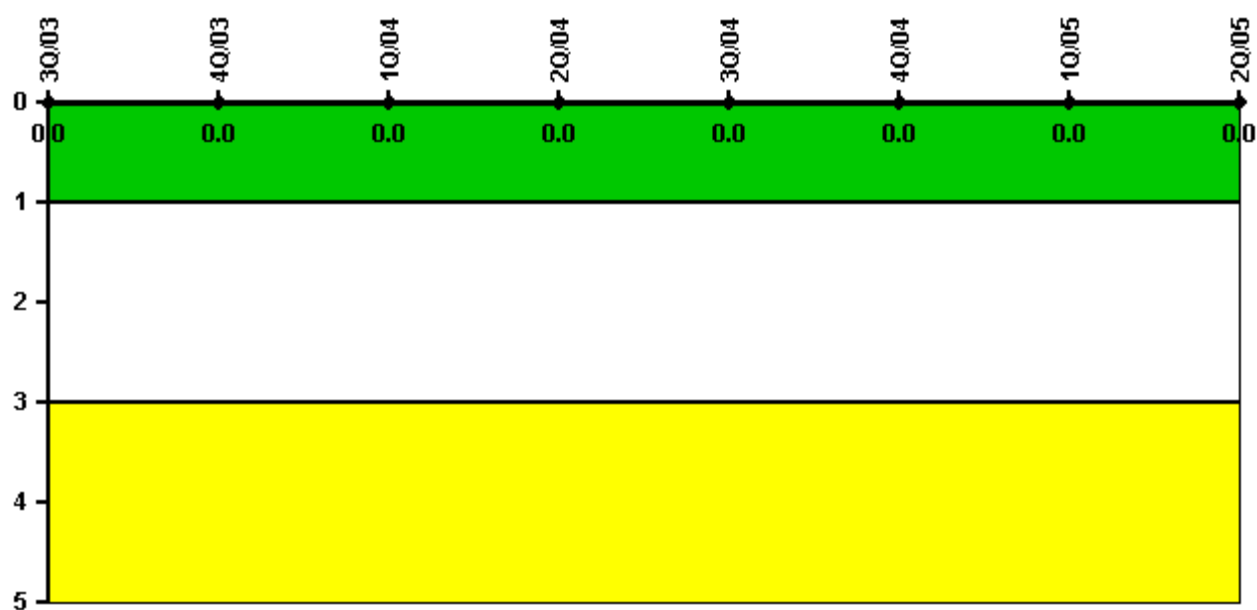
Thresholds: White > 2.0 Yellow > 5.0

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	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/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](#)

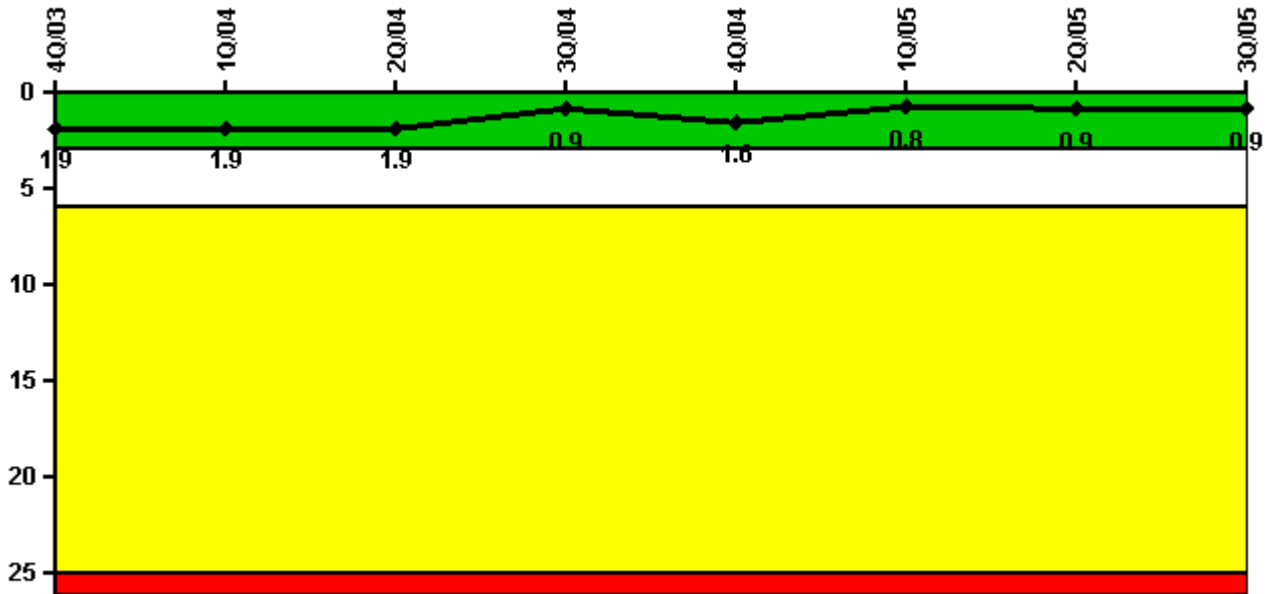
Last Modified: August 3, 2005

Catawba 1

3Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



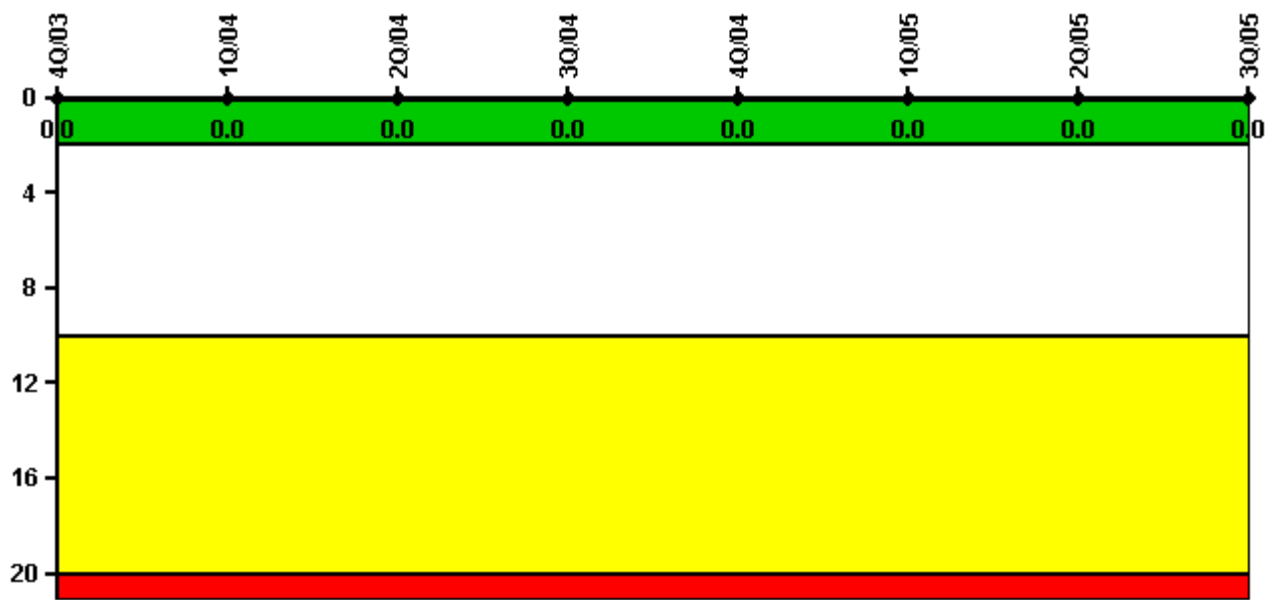
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	1226.8	2074.1	2183.0	2208.0	2179.6	2160.0	1482.4	2208.0
Indicator value	1.9	1.9	1.9	0.9	1.6	0.8	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



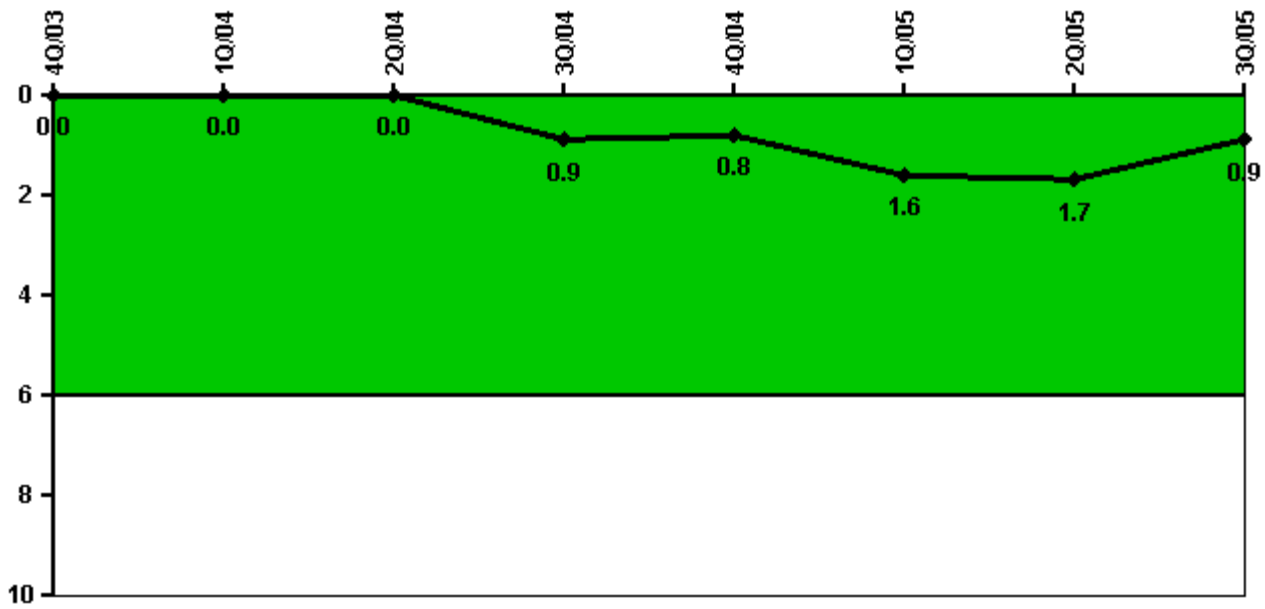
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



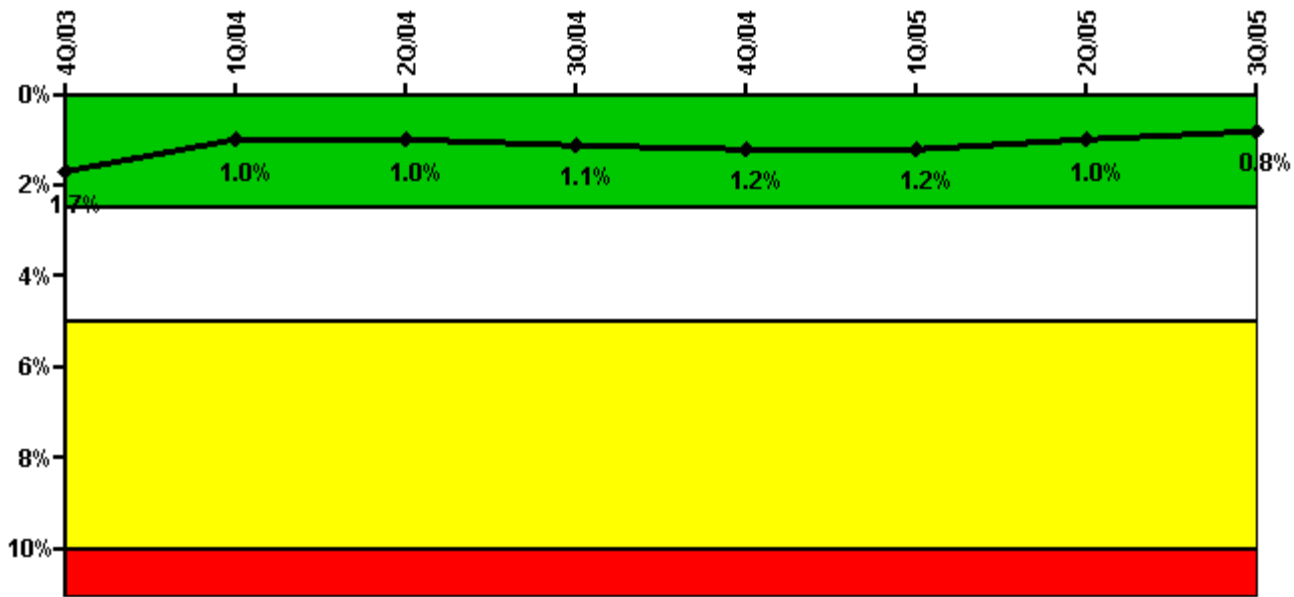
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	0	0	1.0	0	1.0	0	0
Critical hours	1226.8	2074.1	2183.0	2208.0	2179.6	2160.0	1482.4	2208.0
Indicator value	0	0	0	0.9	0.8	1.6	1.7	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



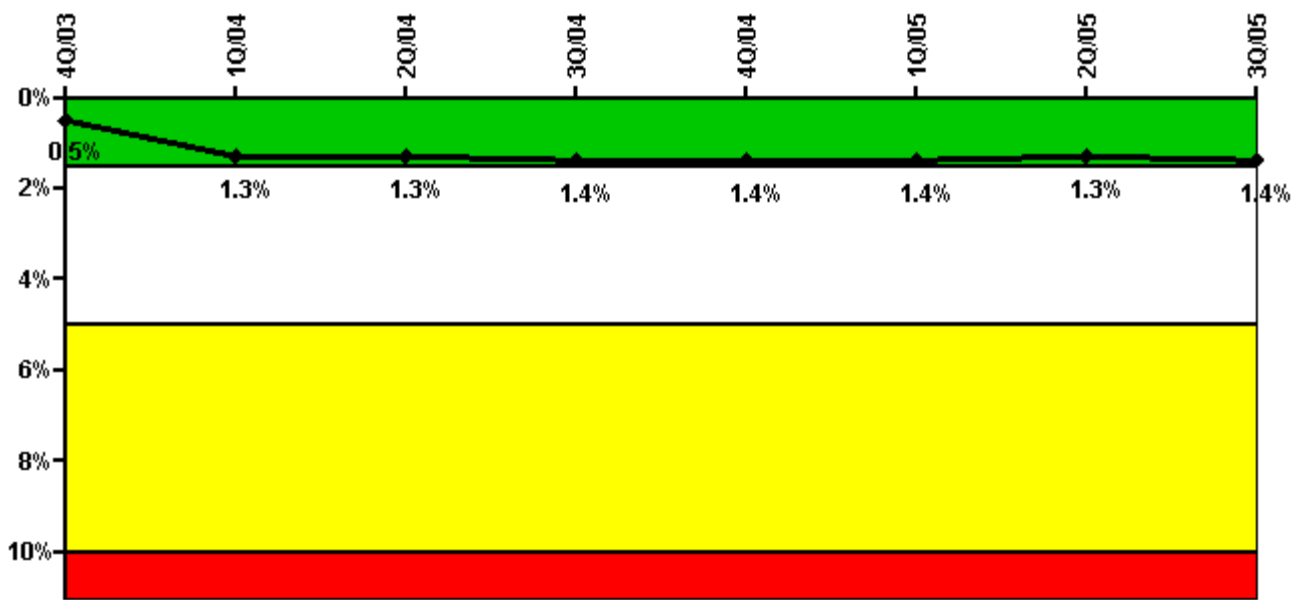
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	3.58	1.93	11.73	29.66	36.90	30.75	0	6.99
Unplanned unavailable hours	0	16.28	5.37	0	0	0	40.62	0
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	38.85	3.69	1.87	33.01	3.62	28.18	3.57	3.58
Unplanned unavailable hours	5.65	0	0	0	0	3.45	0	0
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	1416.00	2183.00	2208.00
Indicator value	1.7%	1.0%	1.0%	1.1%	1.2%	1.2%	1.0%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



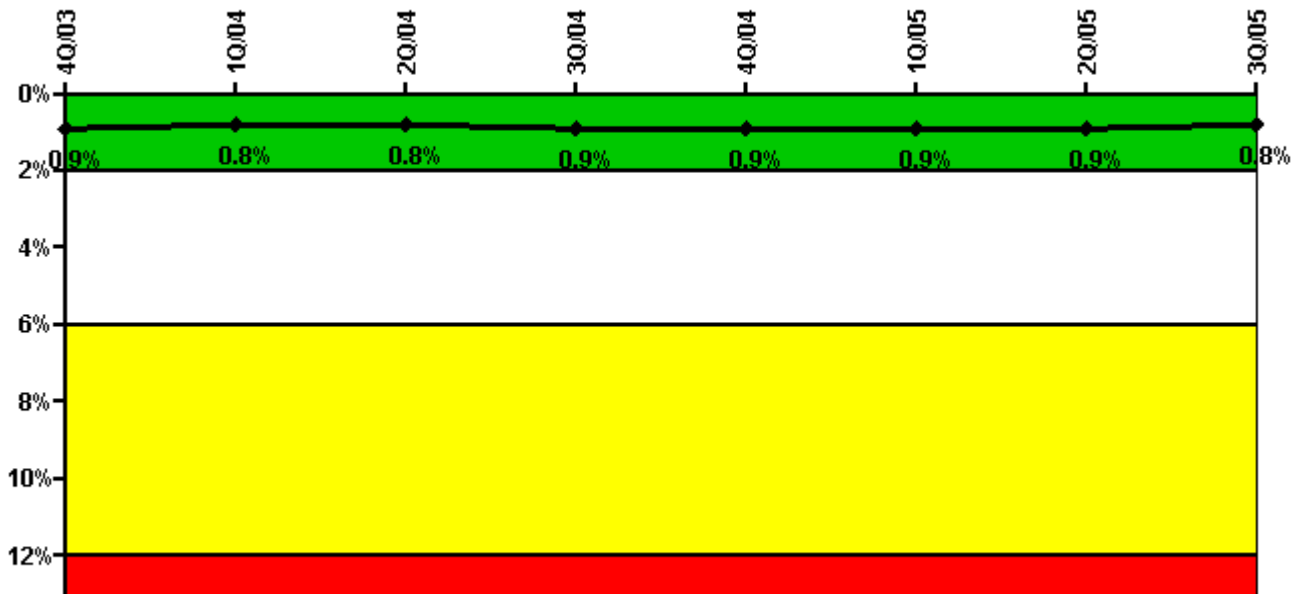
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	3.58	27.90	4.96	14.20	3.21	19.58	0.25	11.92
Unplanned unavailable hours	0	165.70	0	0	0	0	0	0
Fault exposure hours	0	159.70	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00
Train 2								
Planned unavailable hours	2.25	9.19	4.02	17.03	10.21	2.54	3.76	8.05
Unplanned unavailable hours	3.50	0	0	0	0	3.45	0	0
Fault exposure hours	0	157.70	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00
Train 3								
Planned unavailable hours	3.58	1.93	4.66	18.96	2.75	2.95	0	4.84
Unplanned unavailable hours	0	165.70	0	0	0	0	0	0
Fault exposure hours	0	159.70	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00
Train 4								
Planned unavailable hours	10.17	3.69	3.54	16.61	20.34	1.93	3.57	2.83
Unplanned unavailable hours	3.50	0	0	0	0	3.45	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00
Indicator value	0.5%	1.3%	1.3%	1.4%	1.4%	1.4%	1.3%	1.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



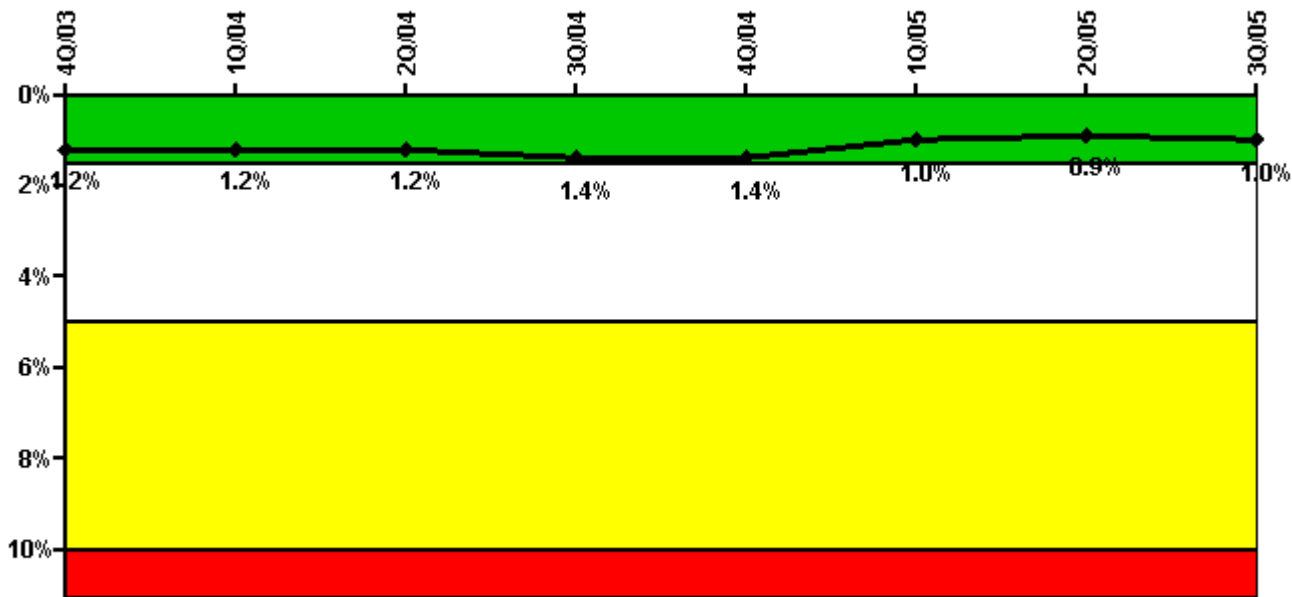
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	6.08	4.03	11.11	28.88	31.58	16.55	0.25	21.50
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	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43	2208.00
Train 2								
Planned unavailable hours	3.32	11.72	12.08	61.90	3.87	19.45	4.40	2.83
Unplanned unavailable hours	3.50	0	0	0	0	3.45	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43	2208.00
Train 3								
Planned unavailable hours	16.55	2.18	10.50	5.53	13.73	16.88	7.83	6.50
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	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43	2208.00
Indicator value	0.9%	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



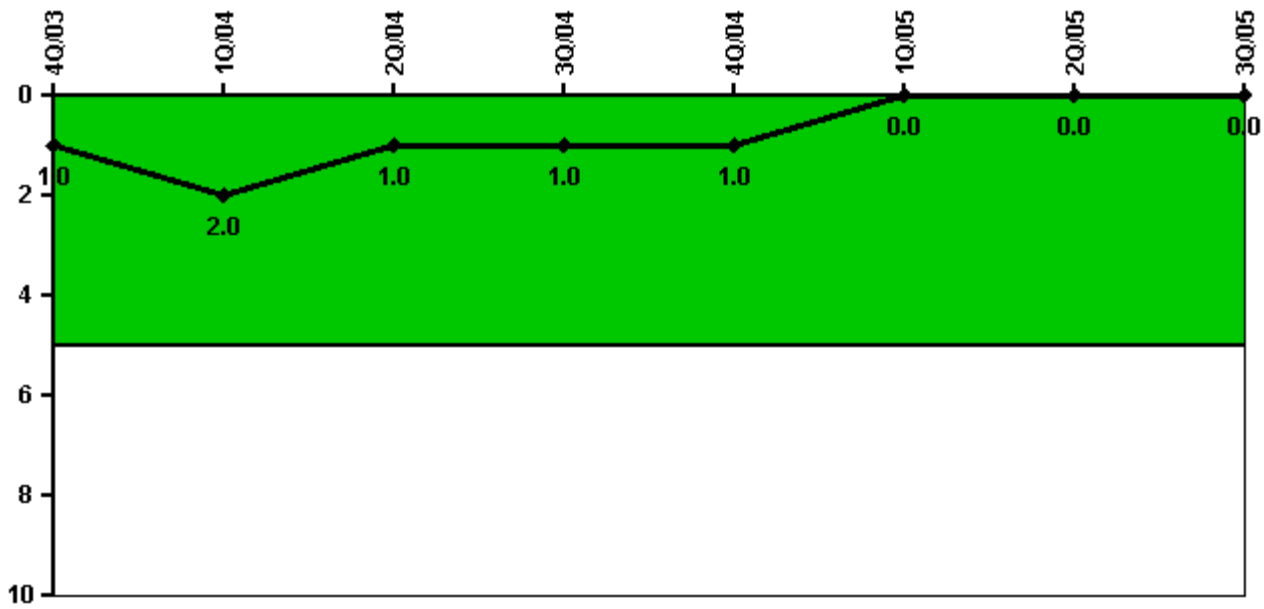
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	3.58	2.30	21.23	28.94	31.74	3.26	0.34	20.77
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	3.80	3.99	20.90	69.45	3.91	2.20	3.87	18.50
Unplanned unavailable hours	3.50	0	0	0	0	3.45	0	0
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	1.2%	1.2%	1.2%	1.4%	1.4%	1.0%	0.9%	1.0%

Licensee Comments: none

Safety System Functional Failures (PWR)



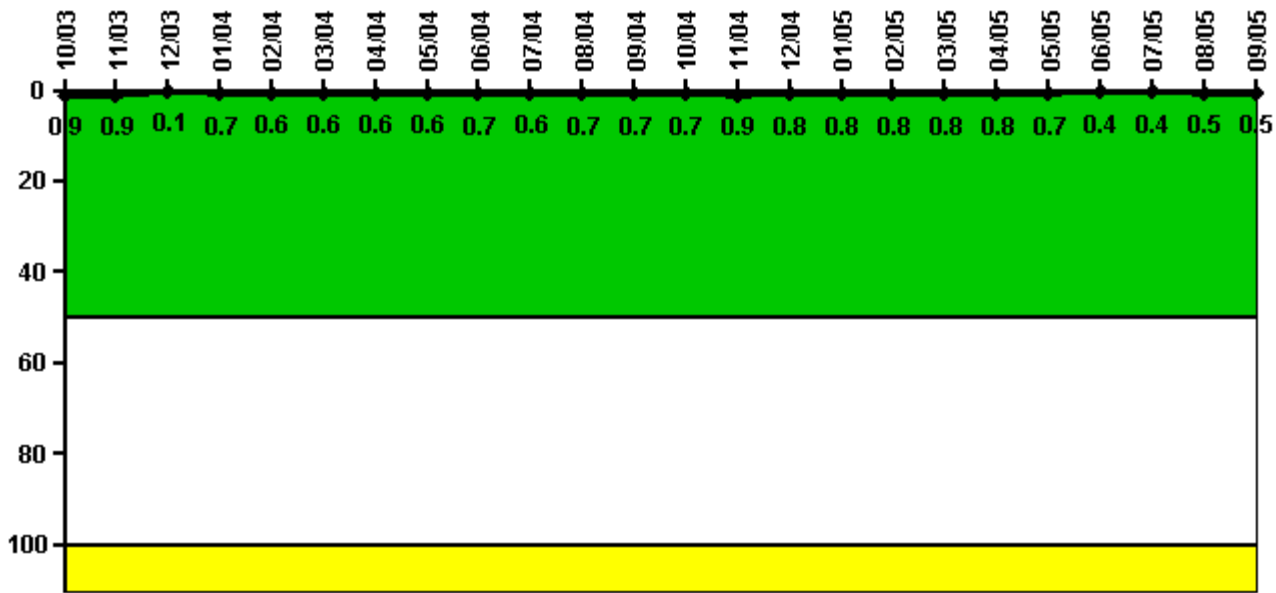
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



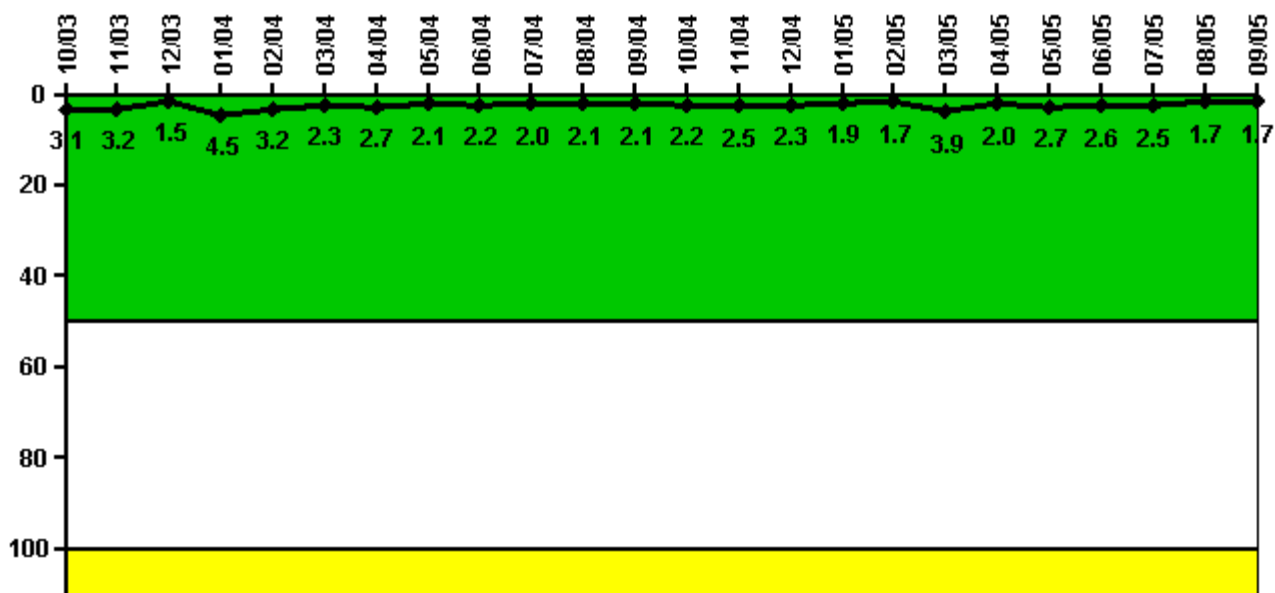
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000567	0.000561	0.000094	0.000454	0.000388	0.000364	0.000376	0.000407	0.000427	0.000413	0.000435	0.000464
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.9	0.9	0.1	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7
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	0.000461	0.000560	0.000503	0.000515	0.000504	0.000530	0.000532	0.000467	0.000246	0.000255	0.000296	0.000288
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.7	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.4	0.4	0.5	0.5

Licensee Comments: none

Reactor Coolant System Leakage



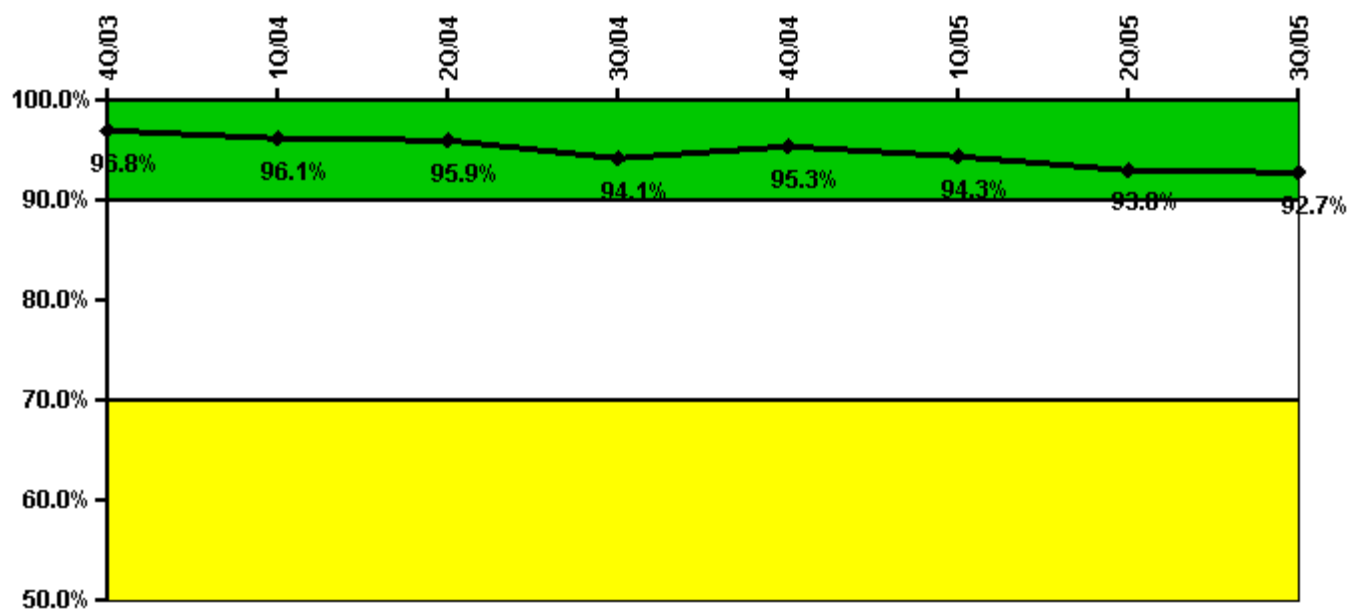
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.312	0.323	0.145	0.447	0.319	0.229	0.271	0.214	0.217	0.195	0.208	0.211
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	3.2	1.5	4.5	3.2	2.3	2.7	2.1	2.2	2.0	2.1	2.1
Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.217	0.253	0.228	0.189	0.172	0.385	0.198	0.267	0.262	0.246	0.168	0.170
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.5	2.3	1.9	1.7	3.9	2.0	2.7	2.6	2.5	1.7	1.7

Licensee Comments: none

Drill/Exercise Performance



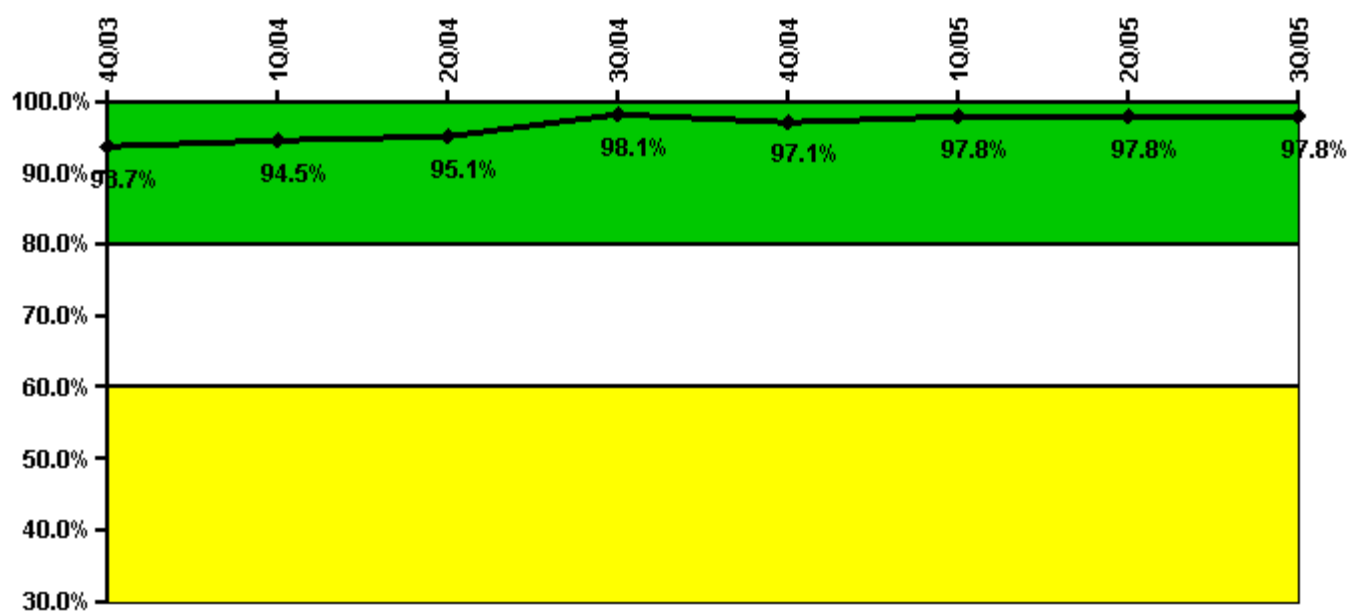
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	22.0	25.0	19.0	66.0	15.0	56.0	8.0	119.0
Total opportunities	22.0	28.0	20.0	76.0	15.0	62.0	8.0	125.0
Indicator value	96.8%	96.1%	95.9%	94.1%	95.3%	94.3%	93.0%	92.7%

Licensee Comments: none

ERO Drill Participation



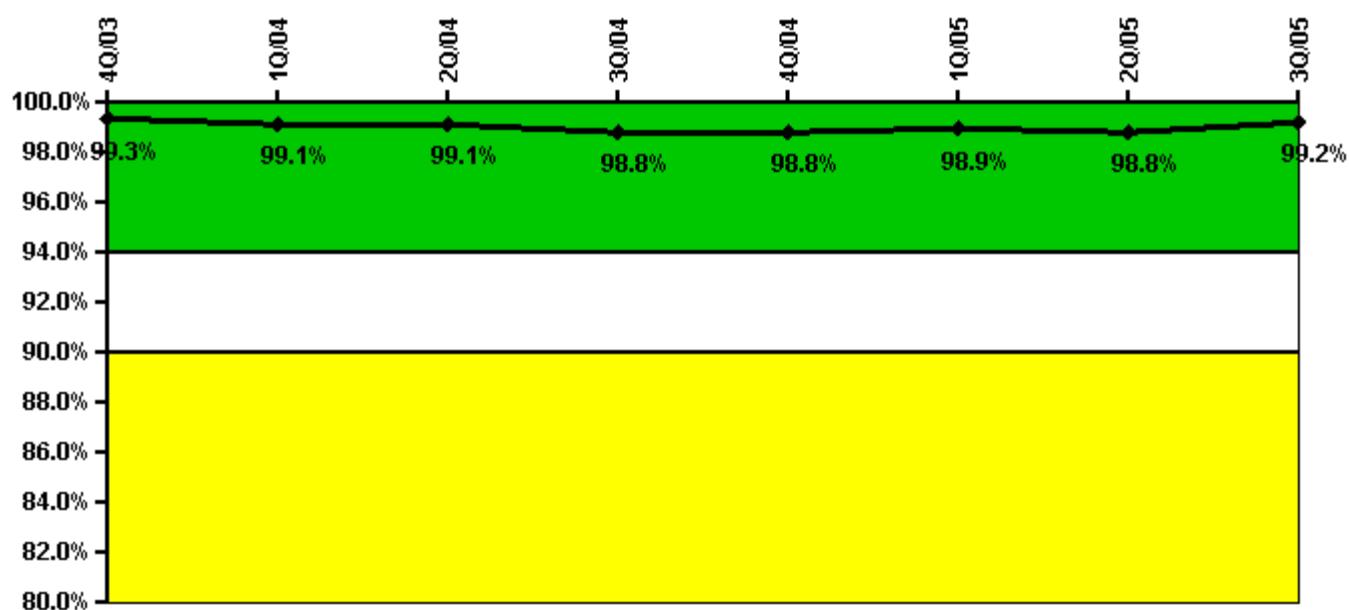
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	149.0	154.0	154.0	156.0	133.0	134.0	133.0	131.0
Total Key personnel	159.0	163.0	162.0	159.0	137.0	137.0	136.0	134.0
Indicator value	93.7%	94.5%	95.1%	98.1%	97.1%	97.8%	97.8%	97.8%

Licensee Comments: none

Alert & Notification System



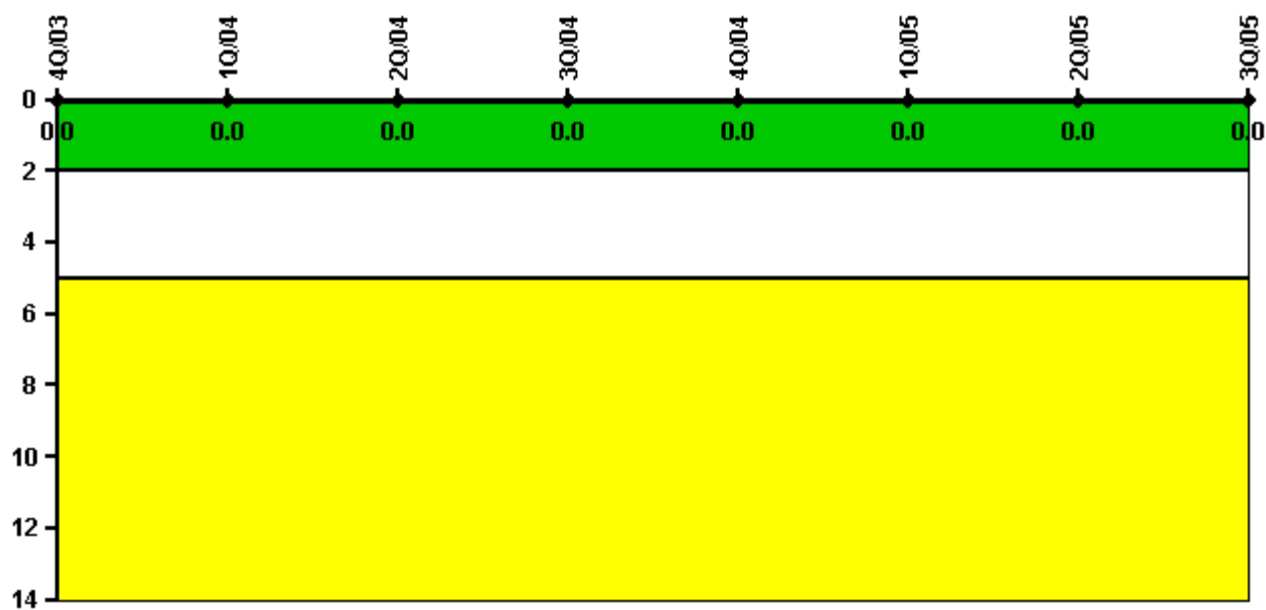
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	2375	2383	2384	2494	2394	2391	2376	2377
Total sirens-tests	2388	2403	2403	2560	2403	2403	2403	2403
Indicator value	99.3%	99.1%	99.1%	98.8%	98.8%	98.9%	98.8%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



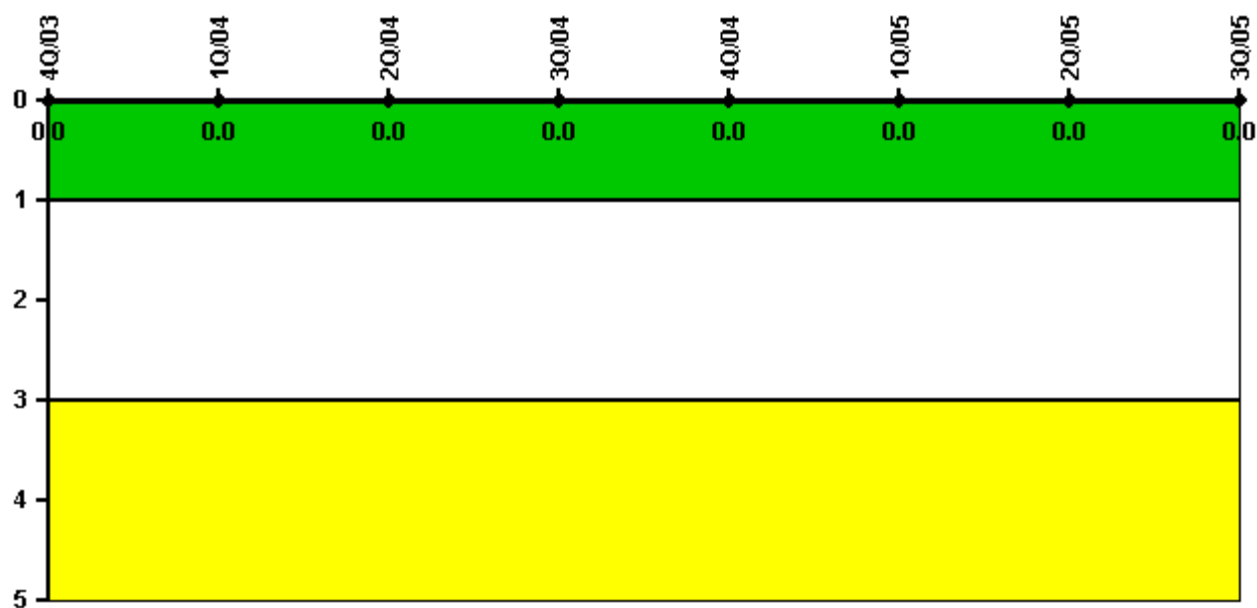
Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

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

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

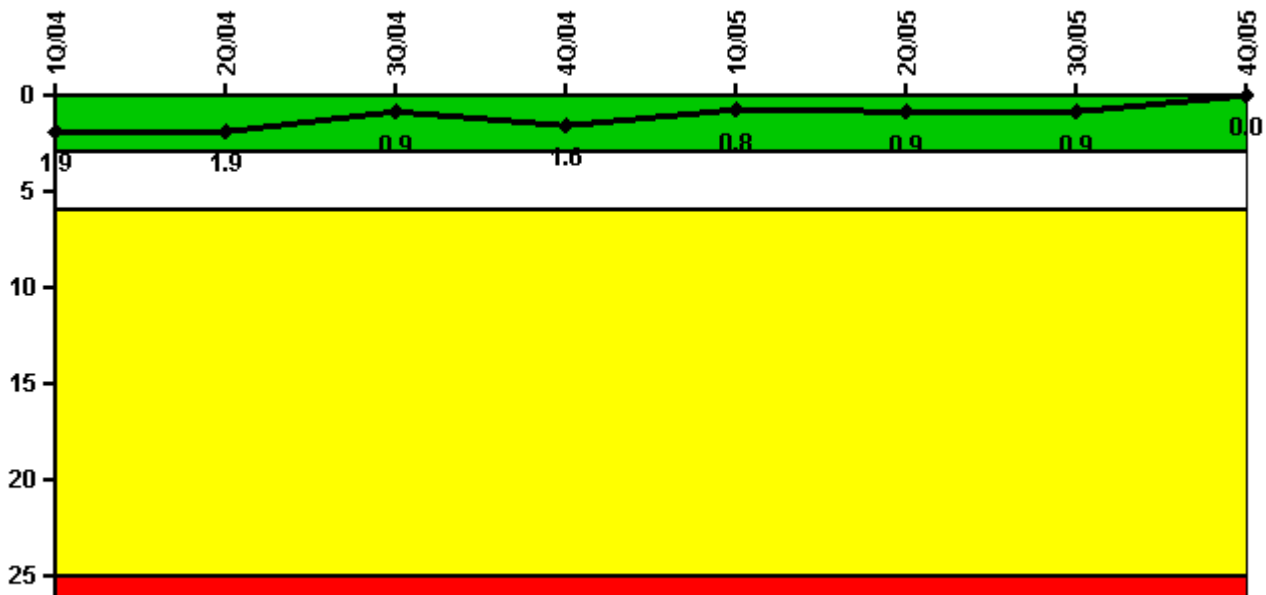
Last Modified: November 3, 2005

Catawba 1

4Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



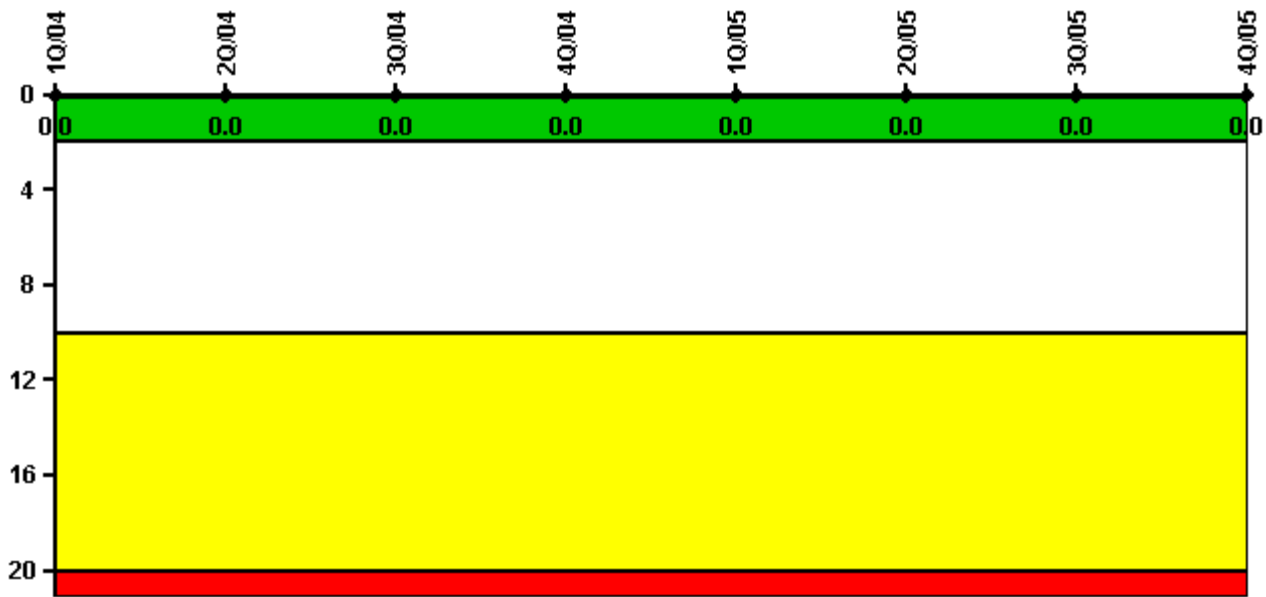
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	1.0	0	0	0	0
Critical hours	2074.1	2183.0	2208.0	2179.6	2160.0	1482.4	2208.0	2209.0
Indicator value	1.9	1.9	0.9	1.6	0.8	0.9	0.9	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



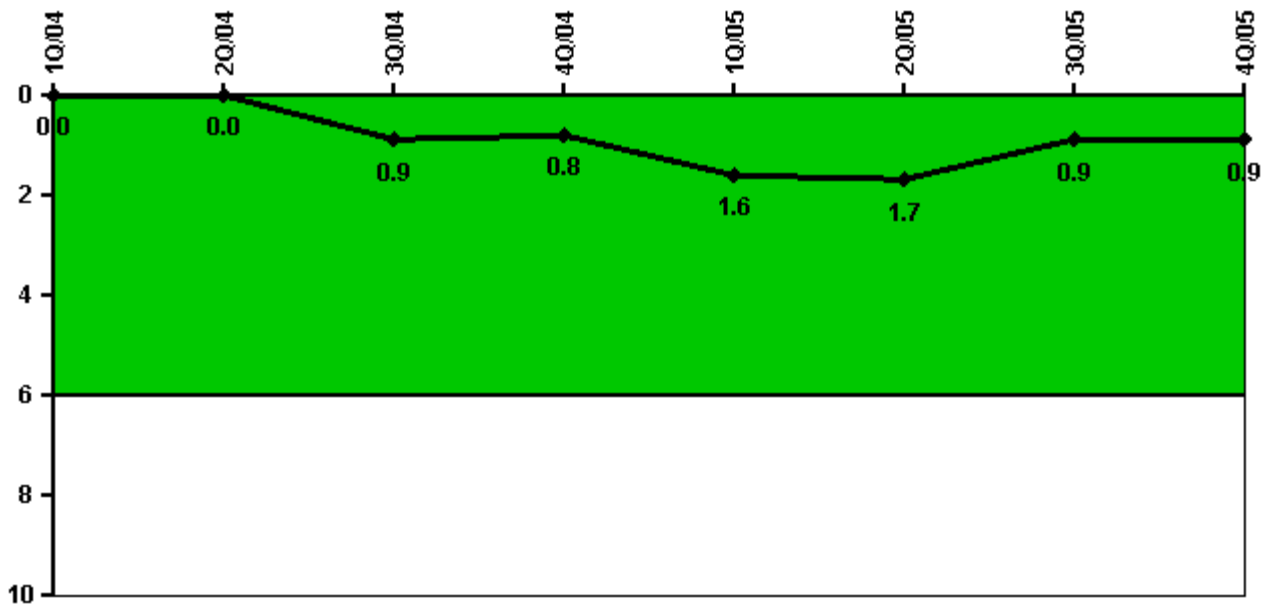
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



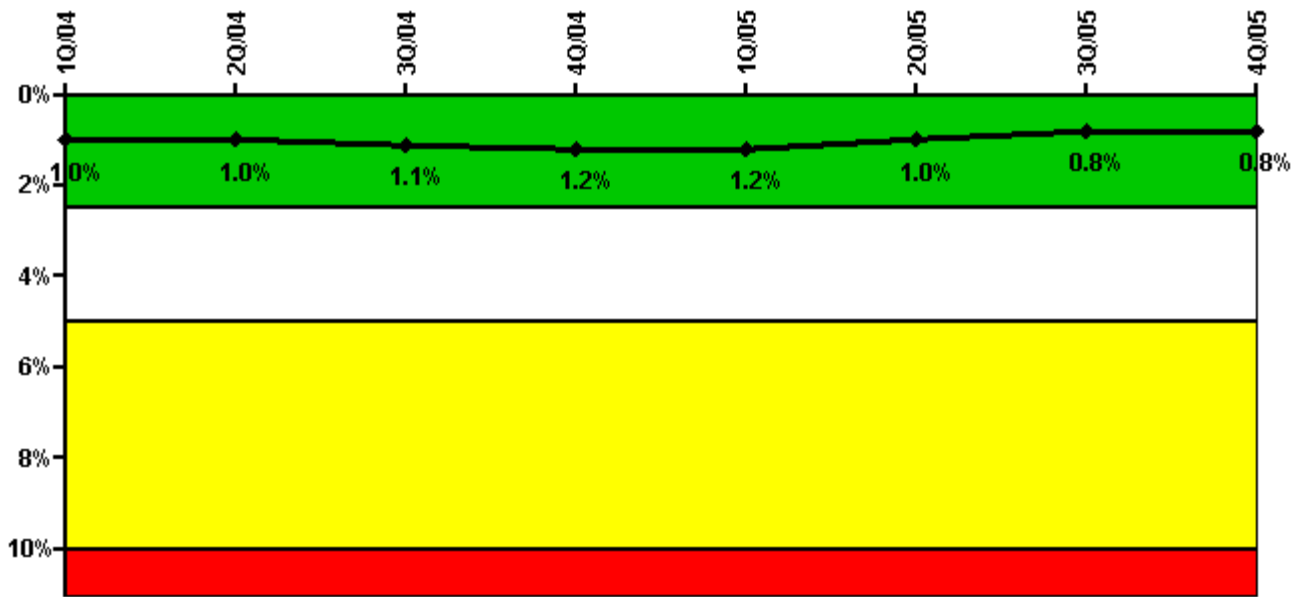
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	0	1.0	0	1.0	0	0	0
Critical hours	2074.1	2183.0	2208.0	2179.6	2160.0	1482.4	2208.0	2209.0
Indicator value	0	0	0.9	0.8	1.6	1.7	0.9	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



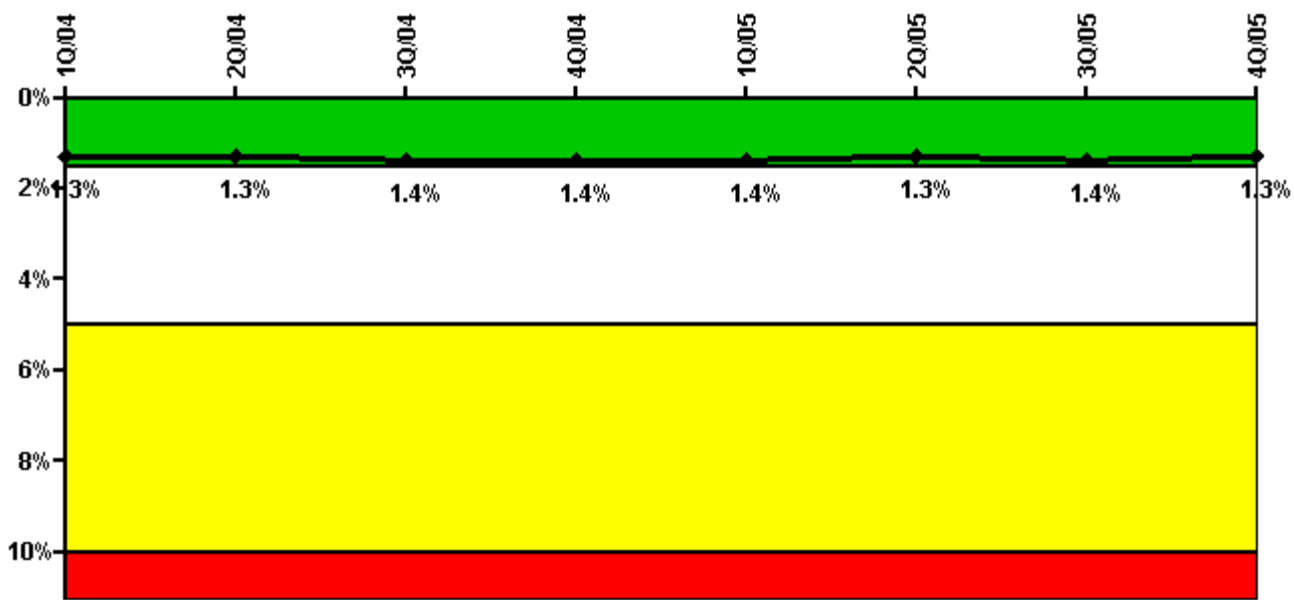
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	1.93	11.73	29.66	36.90	30.75	0	6.99	5.89
Unplanned unavailable hours	16.28	5.37	0	0	0	40.62	0	0
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	3.69	1.87	33.01	3.62	28.18	3.57	3.58	4.87
Unplanned unavailable hours	0	0	0	0	3.45	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	1416.00	2183.00	2208.00	2209.00
Indicator value	1.0%	1.0%	1.1%	1.2%	1.2%	1.0%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



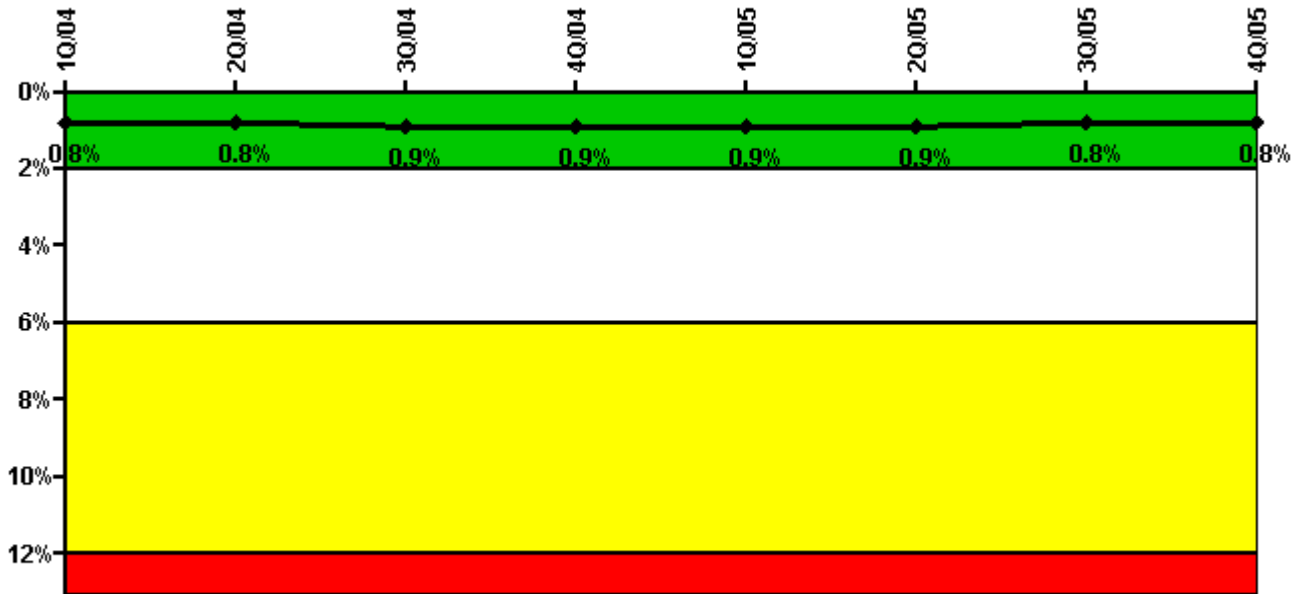
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	27.90	4.96	14.20	3.21	19.58	0.25	11.92	3.80
Unplanned unavailable hours	165.70	0	0	0	0	0	0	0
Fault exposure hours	159.70	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00	2209.00
Train 2								
Planned unavailable hours	9.19	4.02	17.03	10.21	2.54	3.76	8.05	6.22
Unplanned unavailable hours	0	0	0	0	3.45	0	0	0
Fault exposure hours	157.70	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00	2209.00
Train 3								
Planned unavailable hours	1.93	4.66	18.96	2.75	2.95	0	4.84	3.49
Unplanned unavailable hours	165.70	0	0	0	0	0	0	0
Fault exposure hours	159.70	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00	2209.00
Train 4								
Planned unavailable hours	3.69	3.54	16.61	20.34	1.93	3.57	2.83	5.77
Unplanned unavailable hours	0	0	0	0	3.45	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	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00	2209.00
Indicator value	1.3%	1.3%	1.4%	1.4%	1.4%	1.3%	1.4%	1.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



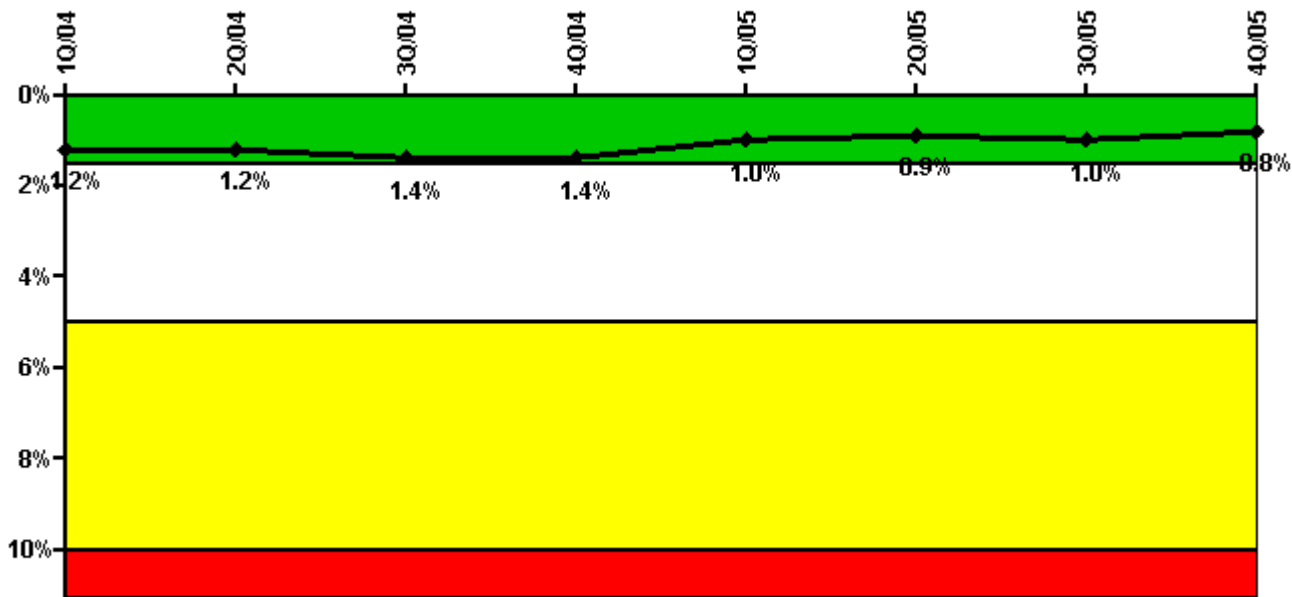
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	4.03	11.11	28.88	31.58	16.55	0.25	21.50	3.49
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	1514.43	2208.00	2209.00
Train 2								
Planned unavailable hours	11.72	12.08	61.90	3.87	19.45	4.40	2.83	5.77
Unplanned unavailable hours	0	0	0	0	3.45	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	1514.43	2208.00	2209.00
Train 3								
Planned unavailable hours	2.18	10.50	5.53	13.73	16.88	7.83	6.50	4.45
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	1514.43	2208.00	2209.00
Indicator value	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



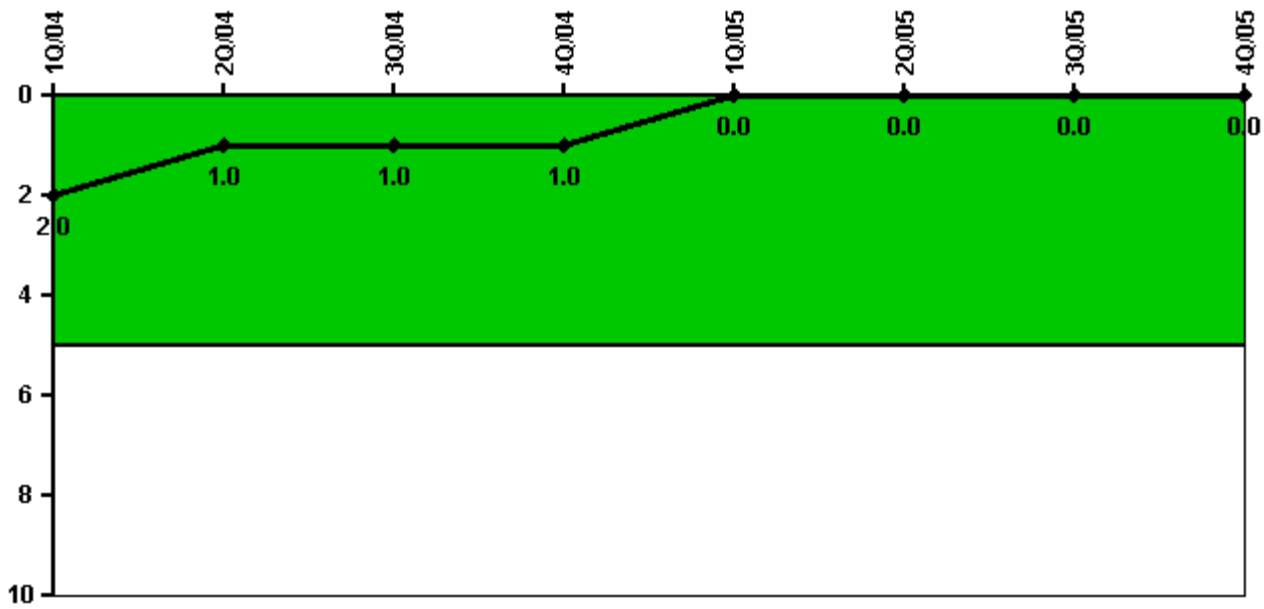
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	2.30	21.23	28.94	31.74	3.26	0.34	20.77	3.87
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	3.99	20.90	69.45	3.91	2.20	3.87	18.50	6.09
Unplanned unavailable hours	0	0	0	0	3.45	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%	1.2%	1.4%	1.4%	1.0%	0.9%	1.0%	0.8%

Licensee Comments: none

Safety System Functional Failures (PWR)



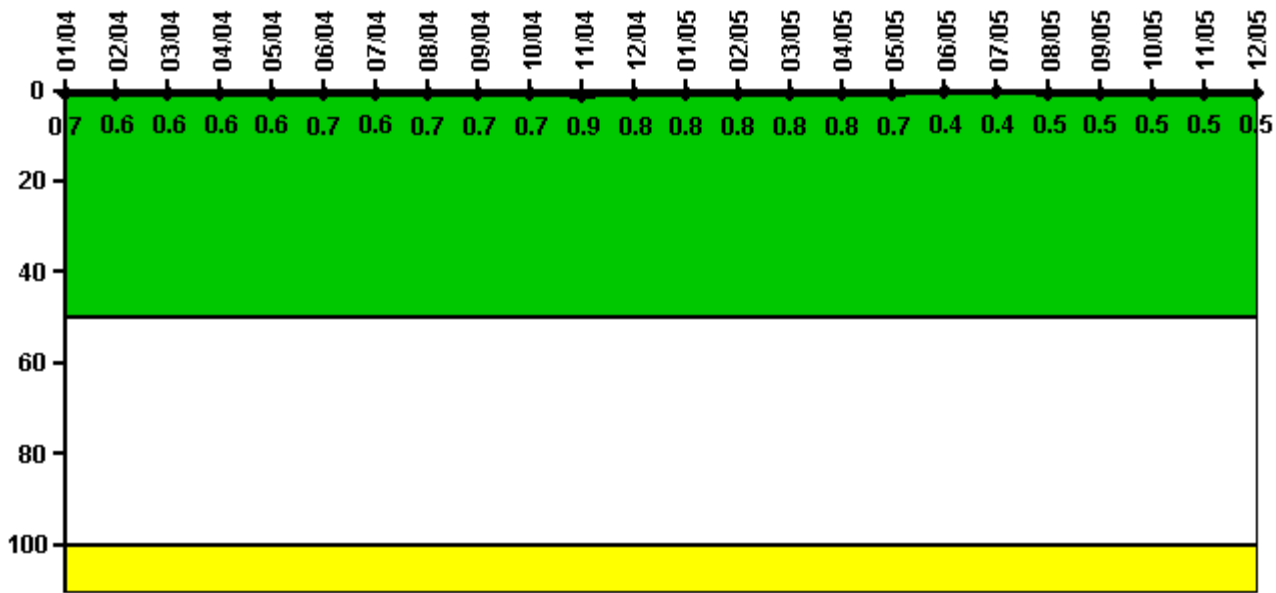
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



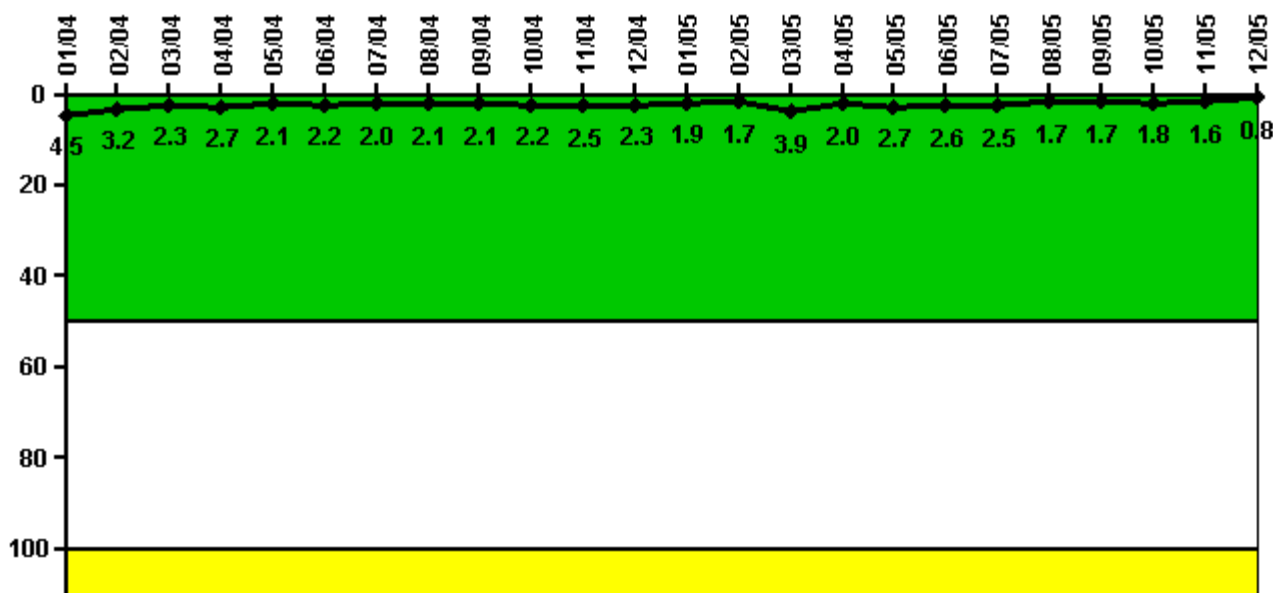
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000454	0.000388	0.000364	0.000376	0.000407	0.000427	0.000413	0.000435	0.000464	0.000461	0.000560	0.000503
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.9	0.8
Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.000515	0.000504	0.000530	0.000532	0.000467	0.000246	0.000255	0.000296	0.000288	0.000317	0.000316	0.000304
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.8	0.8	0.8	0.8	0.7	0.4	0.4	0.5	0.5	0.5	0.5	0.5

Licensee Comments: none

Reactor Coolant System Leakage

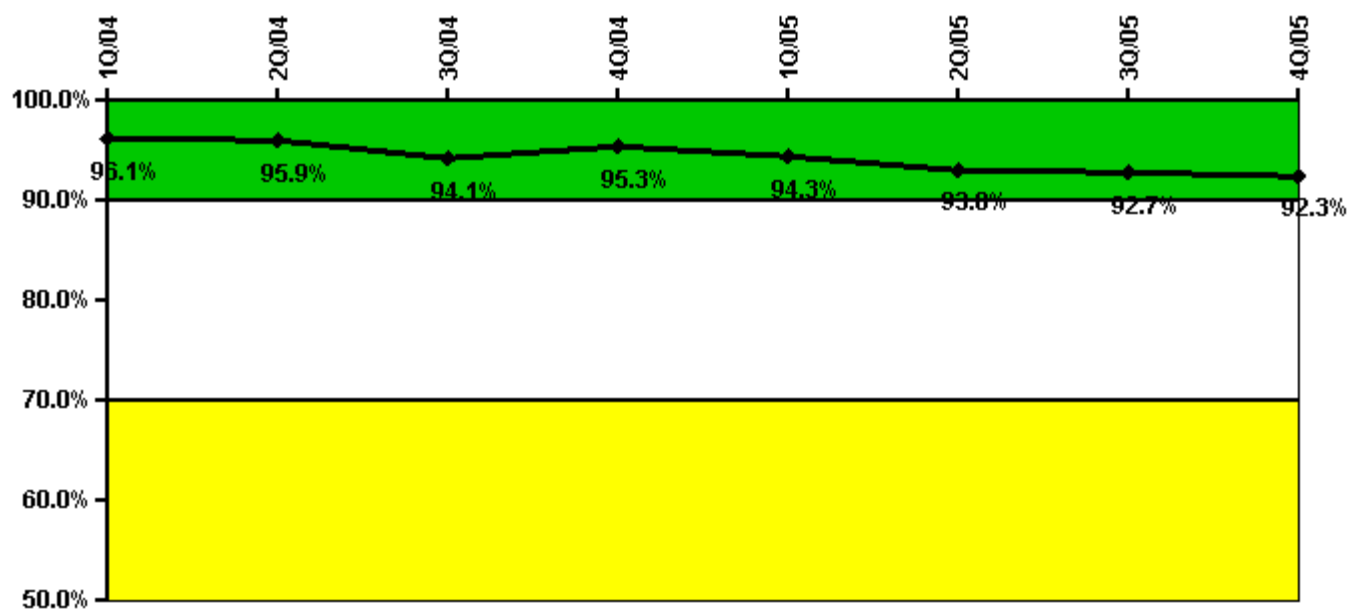


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.447	0.319	0.229	0.271	0.214	0.217	0.195	0.208	0.211	0.217	0.253	0.228
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.5	3.2	2.3	2.7	2.1	2.2	2.0	2.1	2.1	2.2	2.5	2.3
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.189	0.172	0.385	0.198	0.267	0.262	0.246	0.168	0.170	0.180	0.160	0.077
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	1.7	3.9	2.0	2.7	2.6	2.5	1.7	1.7	1.8	1.6	0.8

Licensee Comments: none

Drill/Exercise Performance

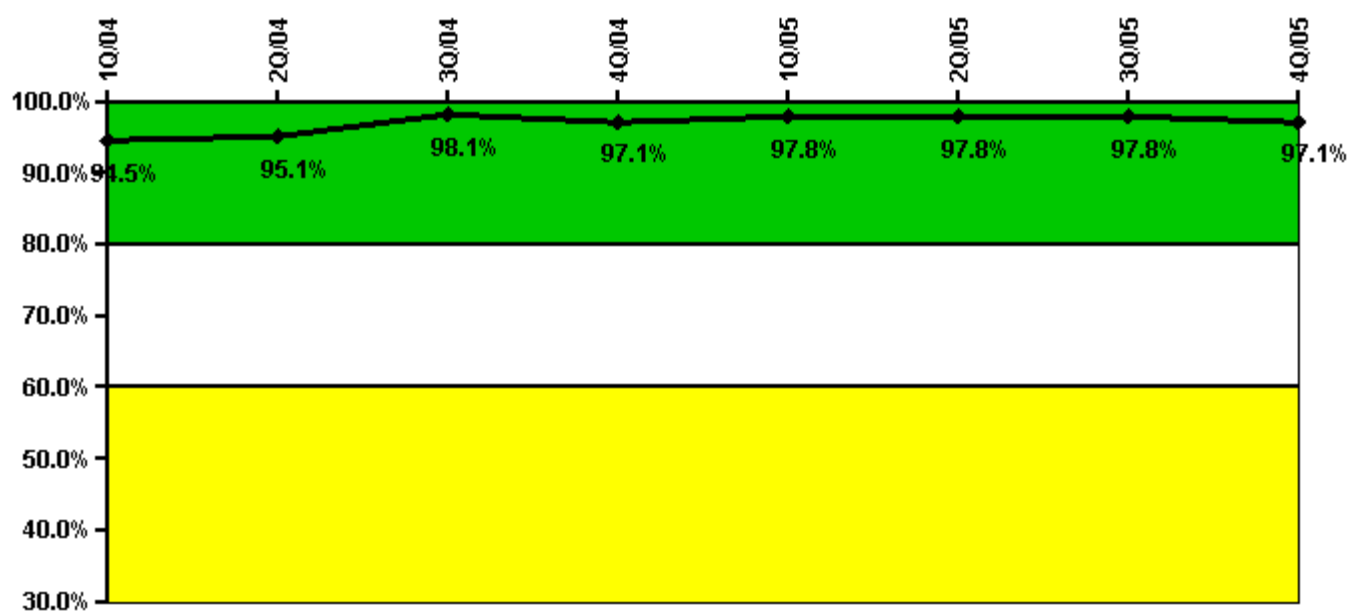
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	25.0	19.0	66.0	15.0	56.0	8.0	119.0	15.0
Total opportunities	28.0	20.0	76.0	15.0	62.0	8.0	125.0	16.0
Indicator value	96.1%	95.9%	94.1%	95.3%	94.3%	93.0%	92.7%	92.3%

Licensee Comments: none

ERO Drill Participation



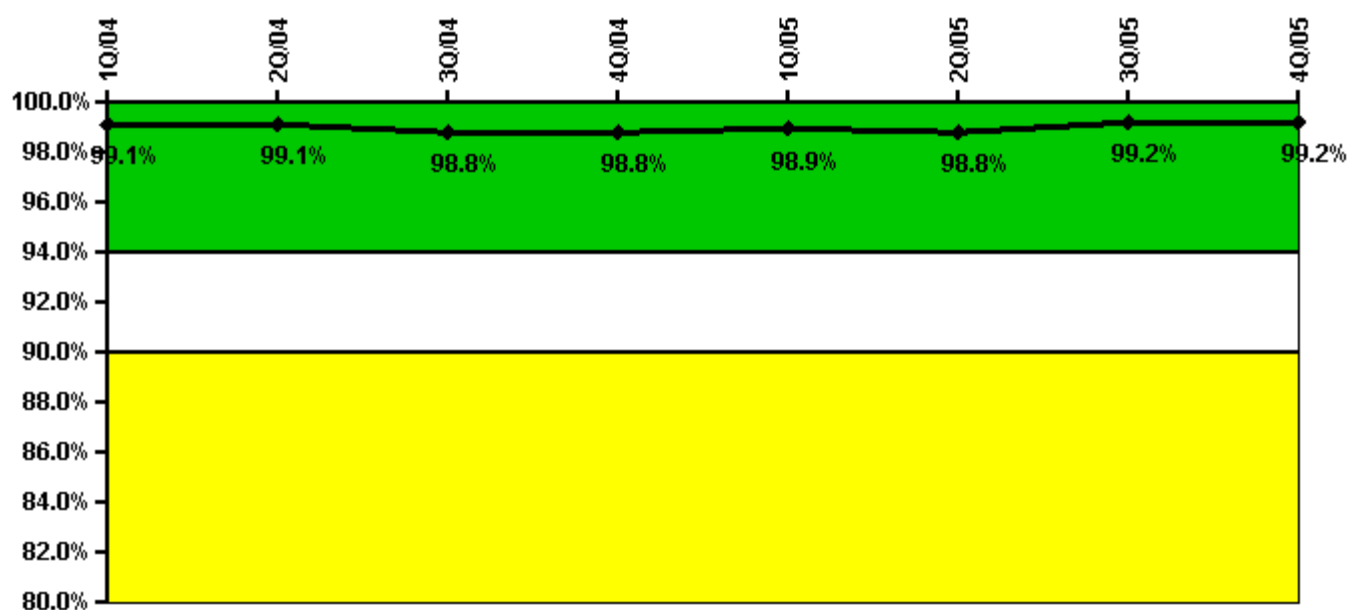
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	154.0	154.0	156.0	133.0	134.0	133.0	131.0	132.0
Total Key personnel	163.0	162.0	159.0	137.0	137.0	136.0	134.0	136.0
Indicator value	94.5%	95.1%	98.1%	97.1%	97.8%	97.8%	97.8%	97.1%

Licensee Comments: none

Alert & Notification System



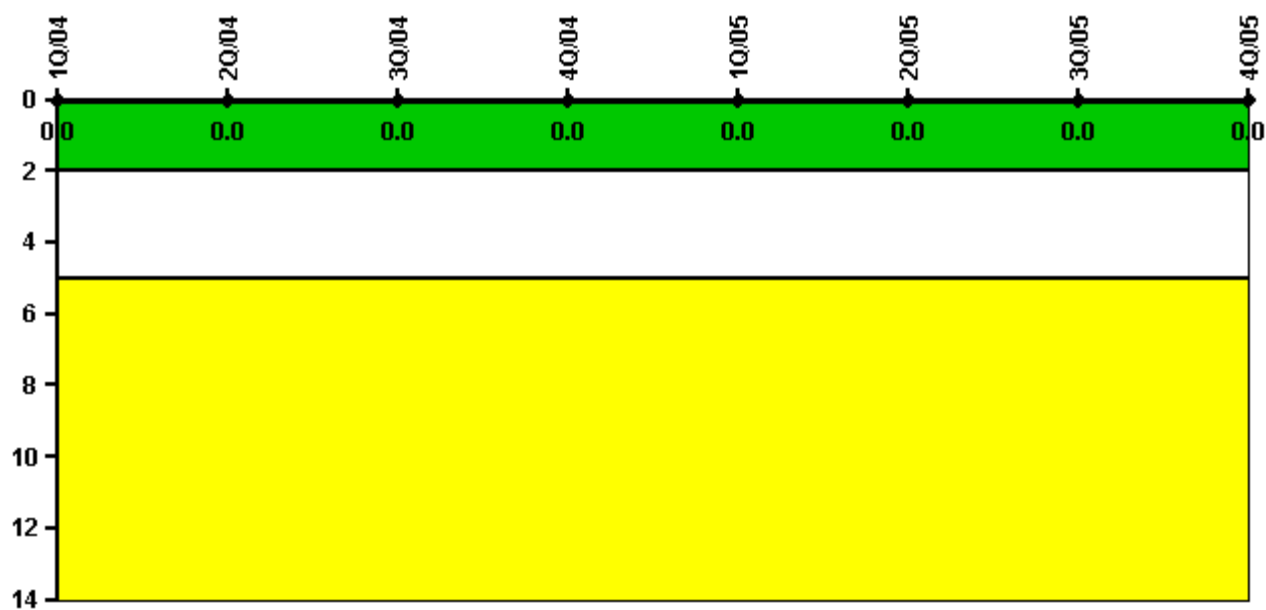
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	2383	2384	2494	2394	2391	2376	2377	2319
Total sirens-tests	2403	2403	2560	2403	2403	2403	2403	2335
Indicator value	99.1%	99.1%	98.8%	98.8%	98.9%	98.8%	99.2%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness

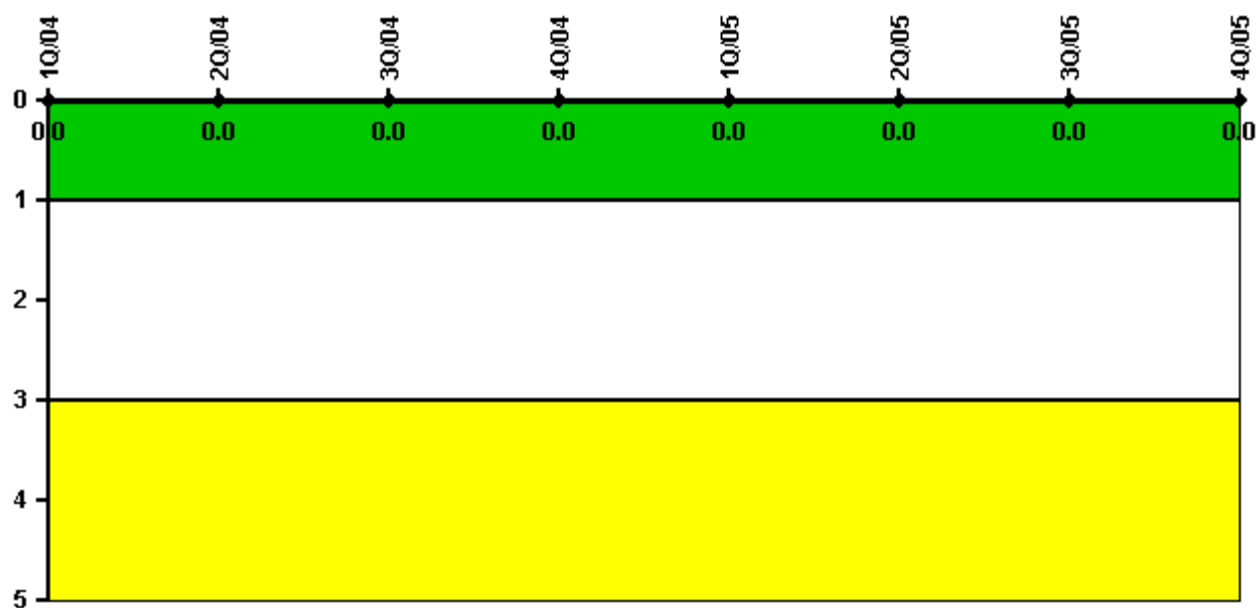


Thresholds: White > 2.0 Yellow > 5.0

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	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/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](#)

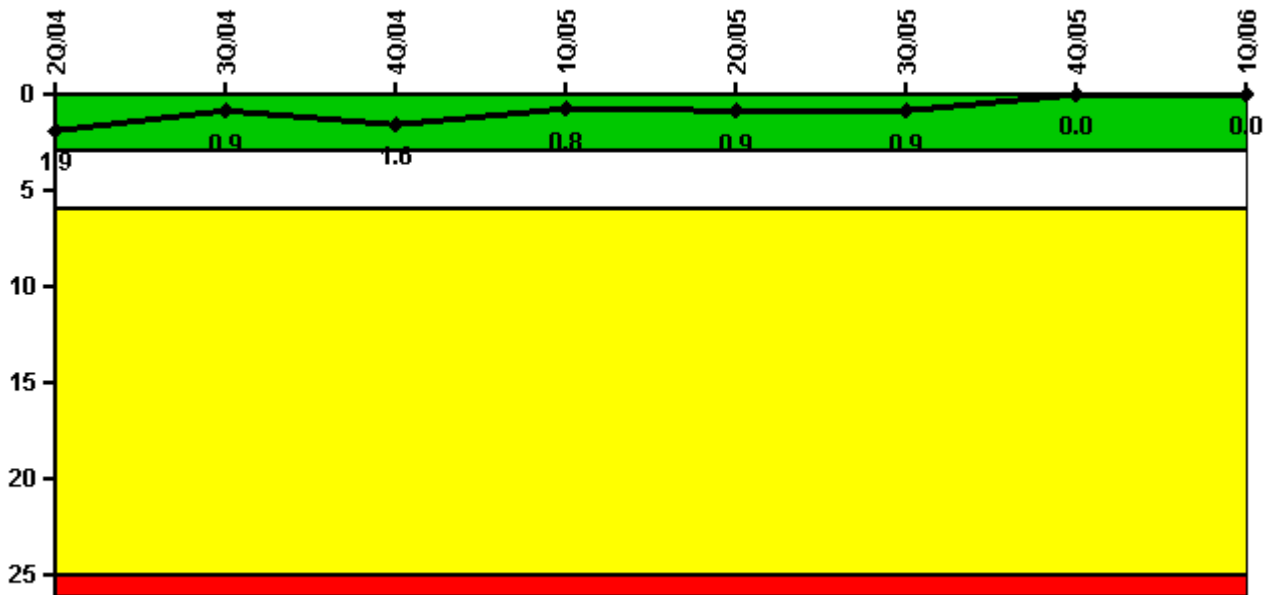
Last Modified: January 30, 2006

Catawba 1

1Q/2006 Performance Indicators

Licensee's General Comments: Technical Specification DEI Limit changed effective 04/2005 from 0.064 uCi/gr to 0.46 uCi/gr. Past indicator values were calculated against the more conservative limit. CDE pedigree information for Catawba units was not revised until 3/2006.

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	0	0	0	0	0
Critical hours	2183.0	2208.0	2179.6	2160.0	1482.4	2208.0	2209.0	2160.0
Indicator value	1.9	0.9	1.6	0.8	0.9	0.9	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



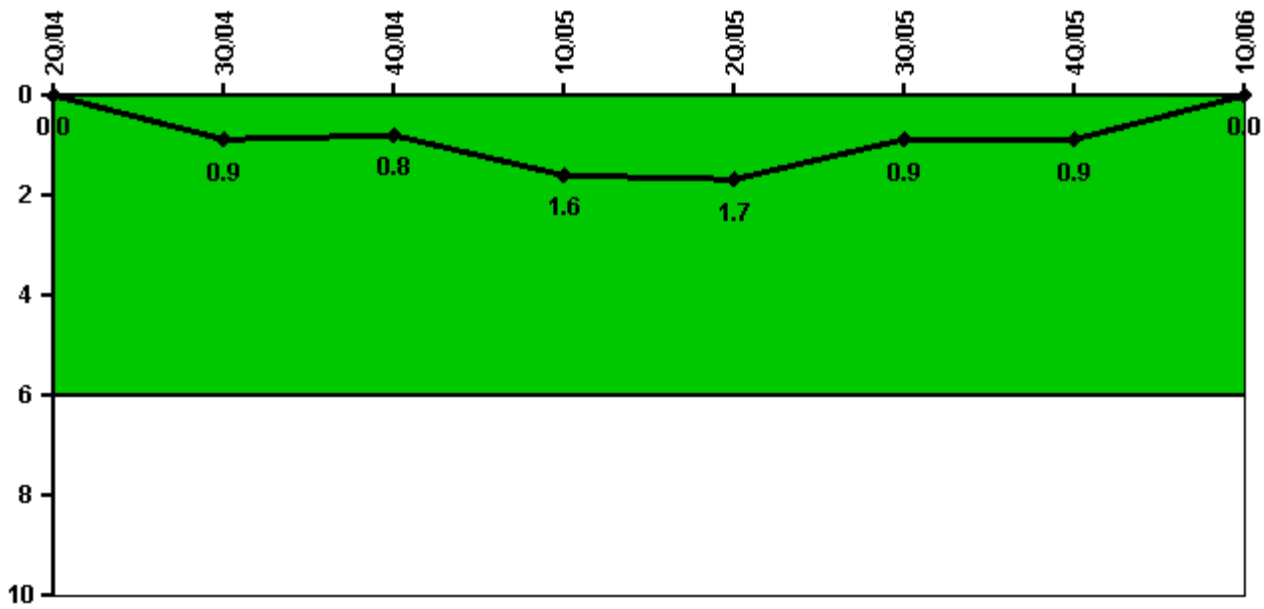
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



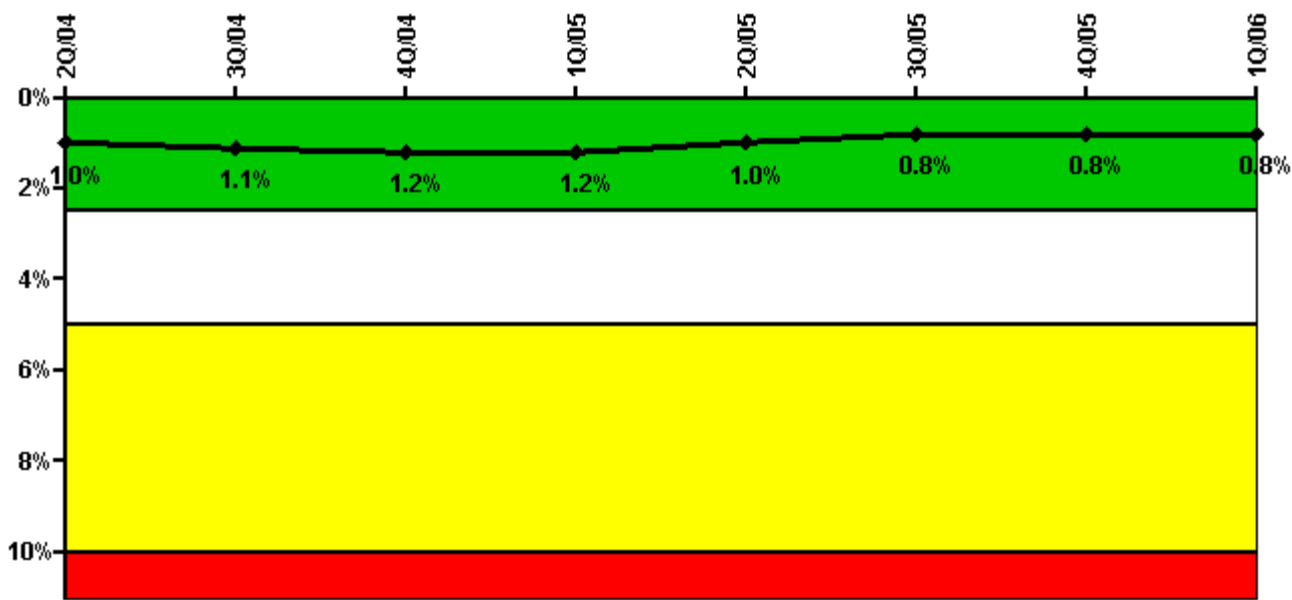
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	1.0	0	1.0	0	0	0	0
Critical hours	2183.0	2208.0	2179.6	2160.0	1482.4	2208.0	2209.0	2160.0
Indicator value	0	0.9	0.8	1.6	1.7	0.9	0.9	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



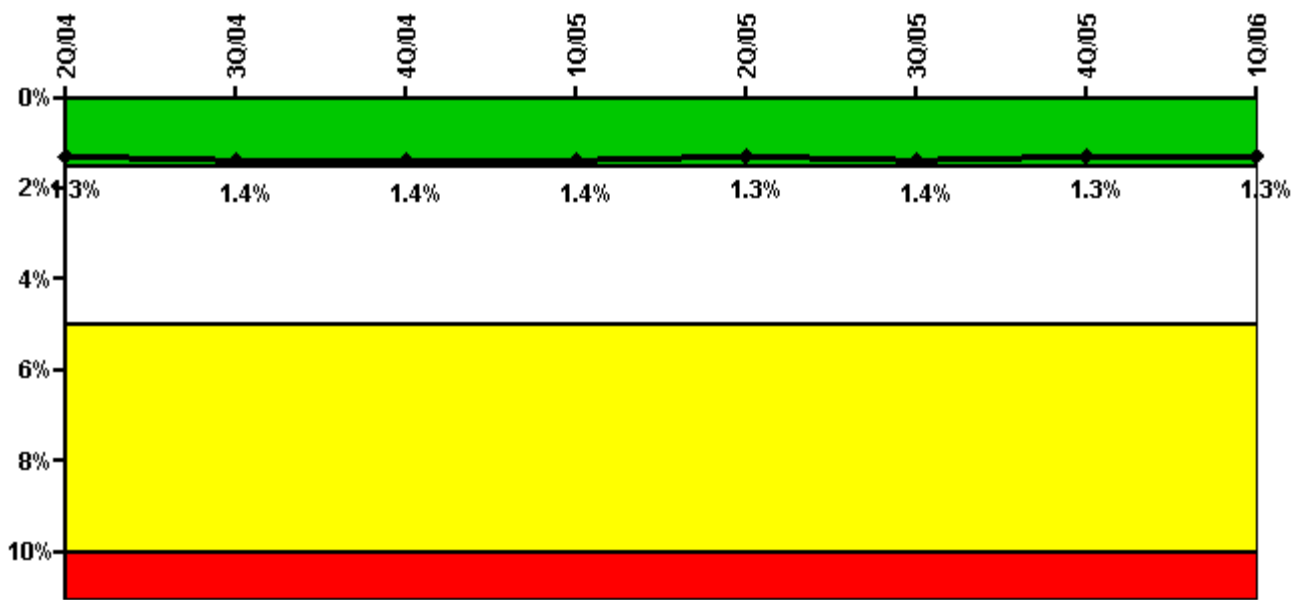
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	11.73	29.66	36.90	30.75	0	6.99	5.89	8.32
Unplanned unavailable hours	5.37	0	0	0	40.62	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.87	33.01	3.62	28.18	3.57	3.58	4.87	13.89
Unplanned unavailable hours	0	0	0	3.45	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	1416.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.0%	1.1%	1.2%	1.2%	1.0%	0.8%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



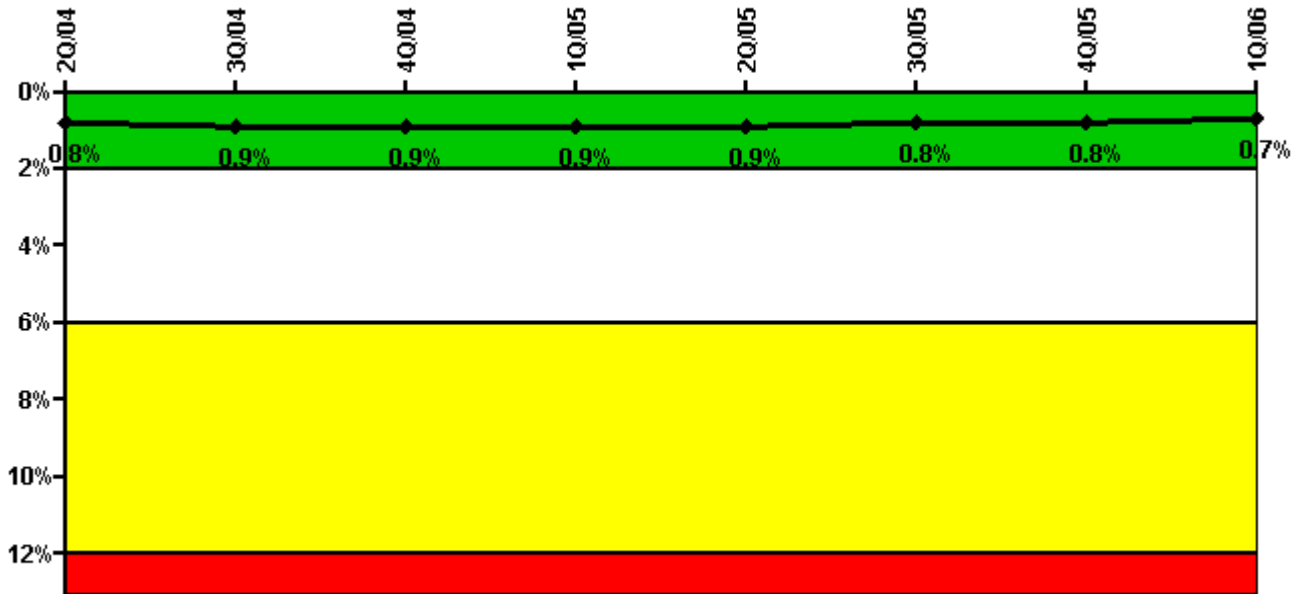
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	4.96	14.20	3.21	19.58	0.25	11.92	3.80	2.03
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	4.02	17.03	10.21	2.54	3.76	8.05	6.22	9.19
Unplanned unavailable hours	0	0	0	3.45	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	2179.60	2160.00	1482.38	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	4.66	18.96	2.75	2.95	0	4.84	3.49	1.77
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	2183.00	2208.00	2179.60	2160.00	1482.38	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	3.54	16.61	20.34	1.93	3.57	2.83	5.77	8.87
Unplanned unavailable hours	0	0	0	3.45	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	2179.60	2160.00	1482.38	2208.00	2209.00	2160.00
Indicator value	1.3%	1.4%	1.4%	1.4%	1.3%	1.4%	1.3%	1.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



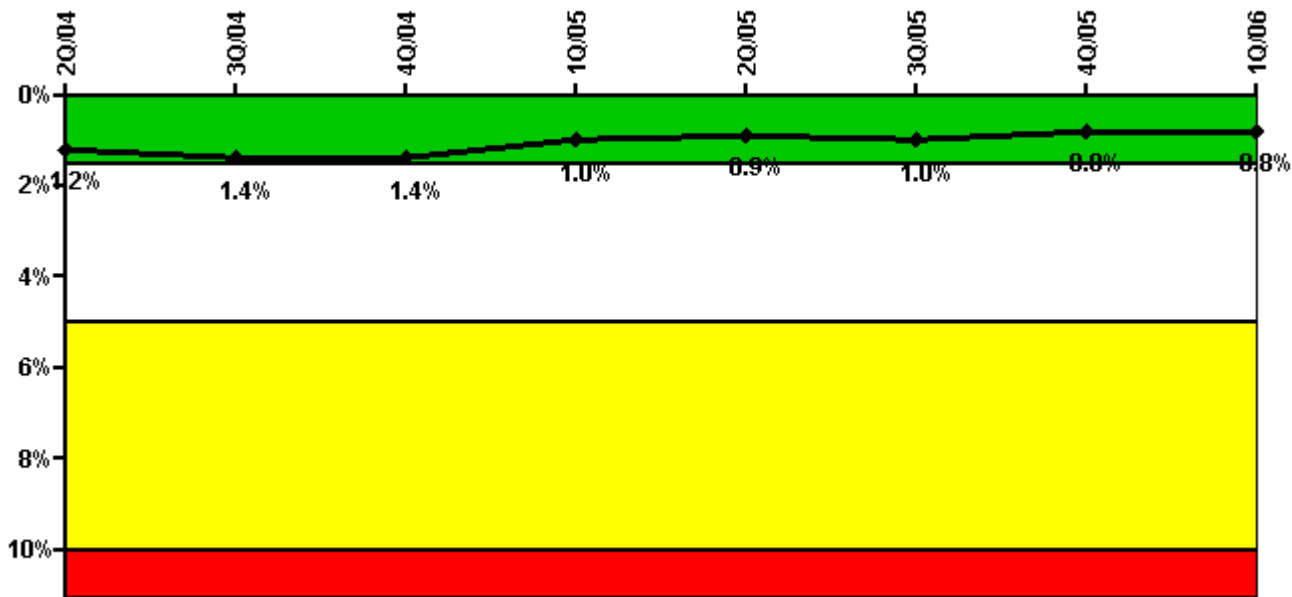
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	11.11	28.88	31.58	16.55	0.25	21.50	3.49	1.77
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	2183.00	2208.00	2209.00	2160.00	1514.43	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	12.08	61.90	3.87	19.45	4.40	2.83	5.77	8.87
Unplanned unavailable hours	0	0	0	3.45	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	1514.43	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	10.50	5.53	13.73	16.88	7.83	6.50	4.45	6.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1514.43	2208.00	2209.00	2160.00
Indicator value	0.8%	0.9%	0.9%	0.9%	0.9%	0.8%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



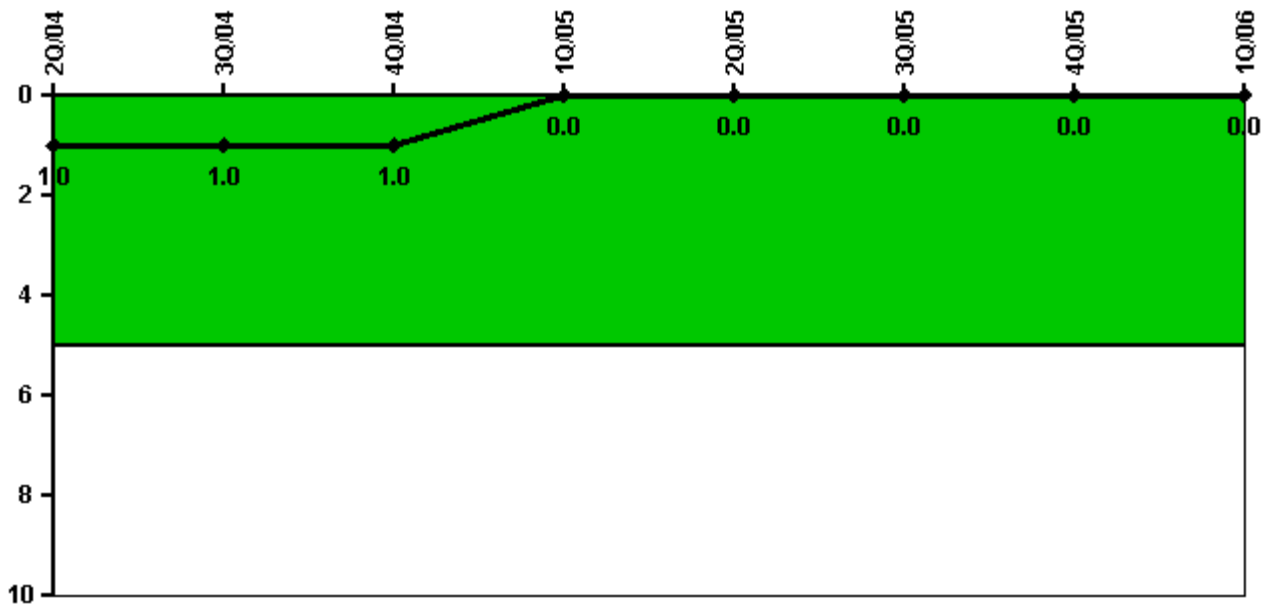
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	21.23	28.94	31.74	3.26	0.34	20.77	3.87	9.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	20.90	69.45	3.91	2.20	3.87	18.50	6.09	9.31
Unplanned unavailable hours	0	0	0	3.45	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	1.2%	1.4%	1.4%	1.0%	0.9%	1.0%	0.8%	0.8%

Licensee Comments: none

Safety System Functional Failures (PWR)



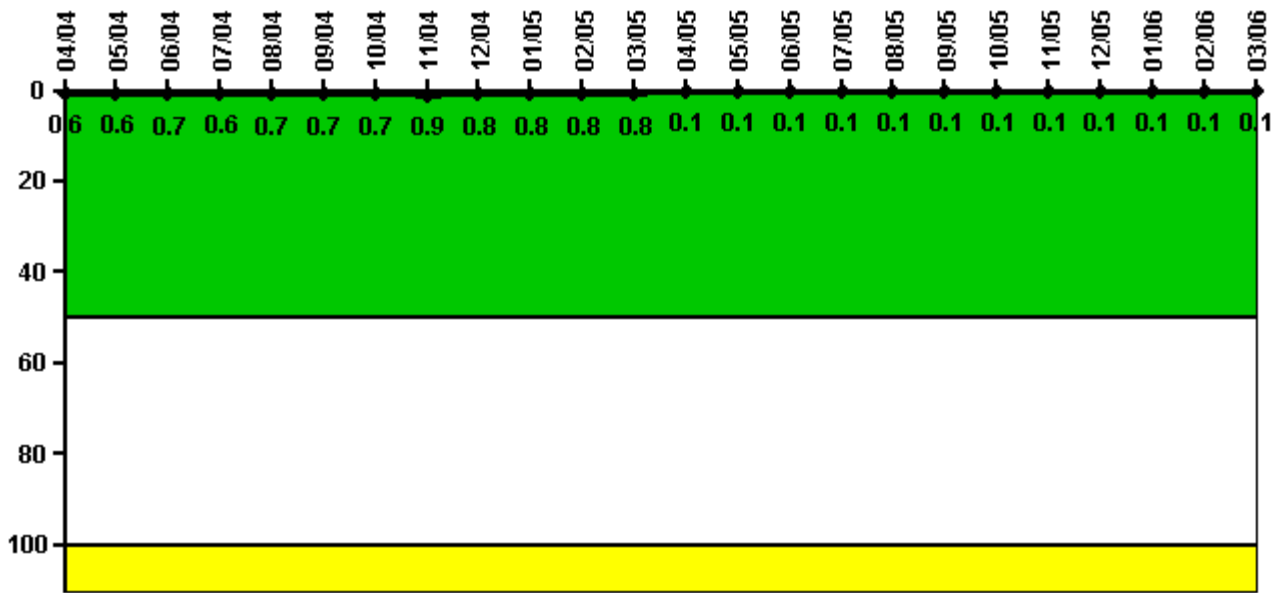
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



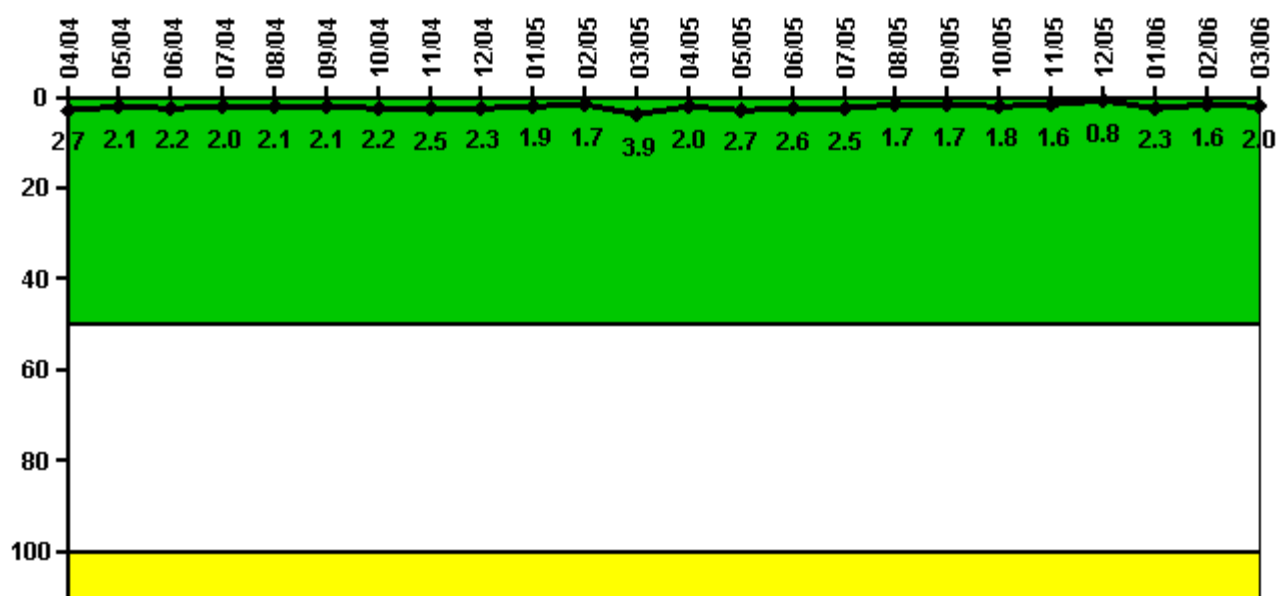
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000376	0.000407	0.000427	0.000413	0.000435	0.000464	0.000461	0.000560	0.000503	0.000515	0.000504	0.000530
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.9	0.8	0.8	0.8	0.8
Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0.000532	0.000467	0.000246	0.000255	0.000296	0.000288	0.000317	0.000316	0.000304	0.000319	0.000341	0.000368
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage

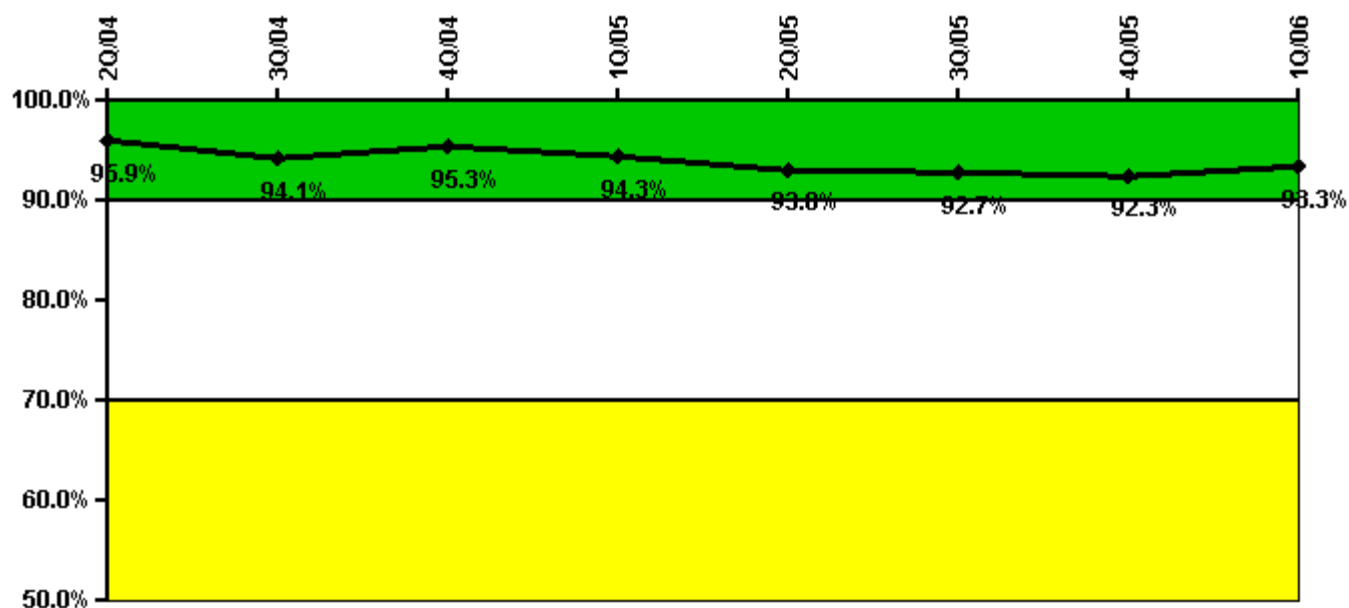


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.271	0.214	0.217	0.195	0.208	0.211	0.217	0.253	0.228	0.189	0.172	0.385
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.7	2.1	2.2	2.0	2.1	2.1	2.2	2.5	2.3	1.9	1.7	3.9
Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.198	0.267	0.262	0.246	0.168	0.170	0.180	0.160	0.077	0.227	0.163	0.198
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	2.7	2.6	2.5	1.7	1.7	1.8	1.6	0.8	2.3	1.6	2.0

Licensee Comments: none

Drill/Exercise Performance

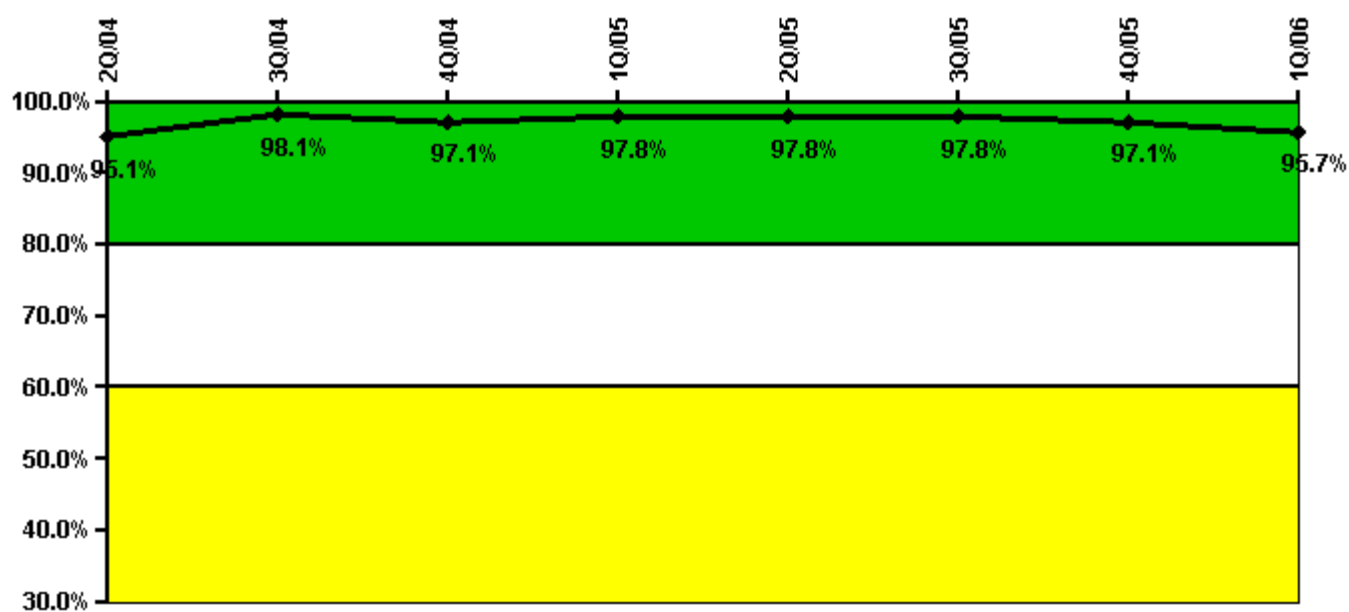
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	19.0	66.0	15.0	56.0	8.0	119.0	15.0	51.0
Total opportunities	20.0	76.0	15.0	62.0	8.0	125.0	16.0	52.0
Indicator value	95.9%	94.1%	95.3%	94.3%	93.0%	92.7%	92.3%	93.3%

Licensee Comments: none

ERO Drill Participation



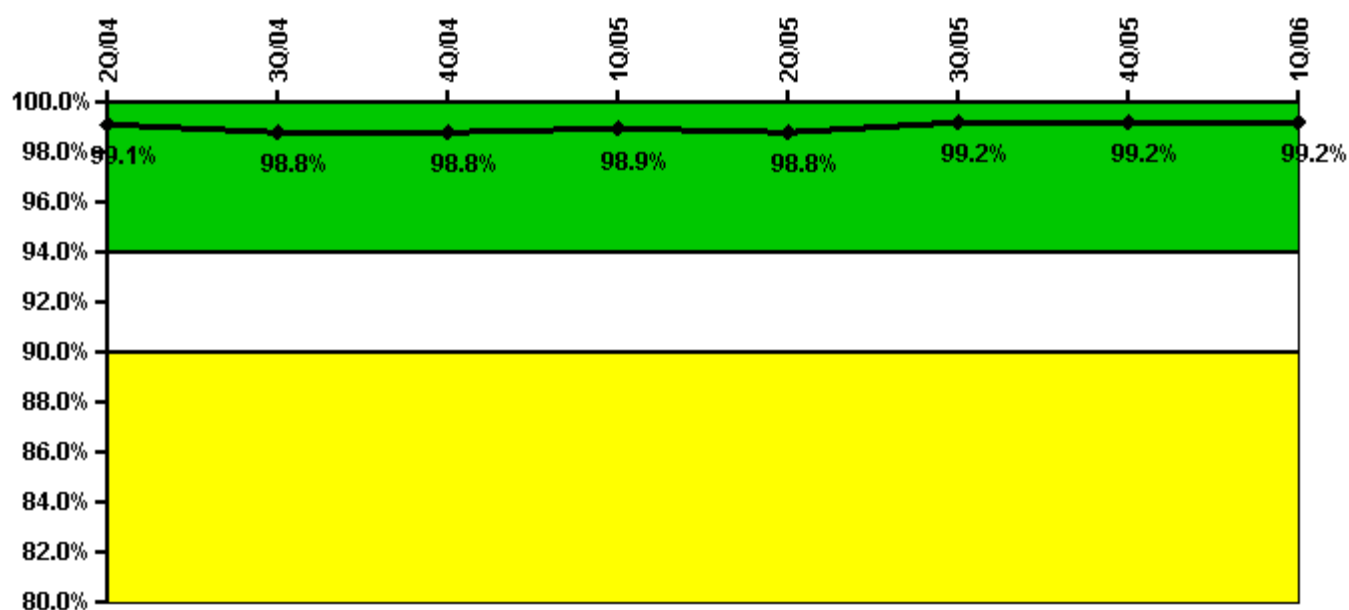
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	154.0	156.0	133.0	134.0	133.0	131.0	132.0	132.0
Total Key personnel	162.0	159.0	137.0	137.0	136.0	134.0	136.0	138.0
Indicator value	95.1%	98.1%	97.1%	97.8%	97.8%	97.8%	97.1%	95.7%

Licensee Comments: none

Alert & Notification System



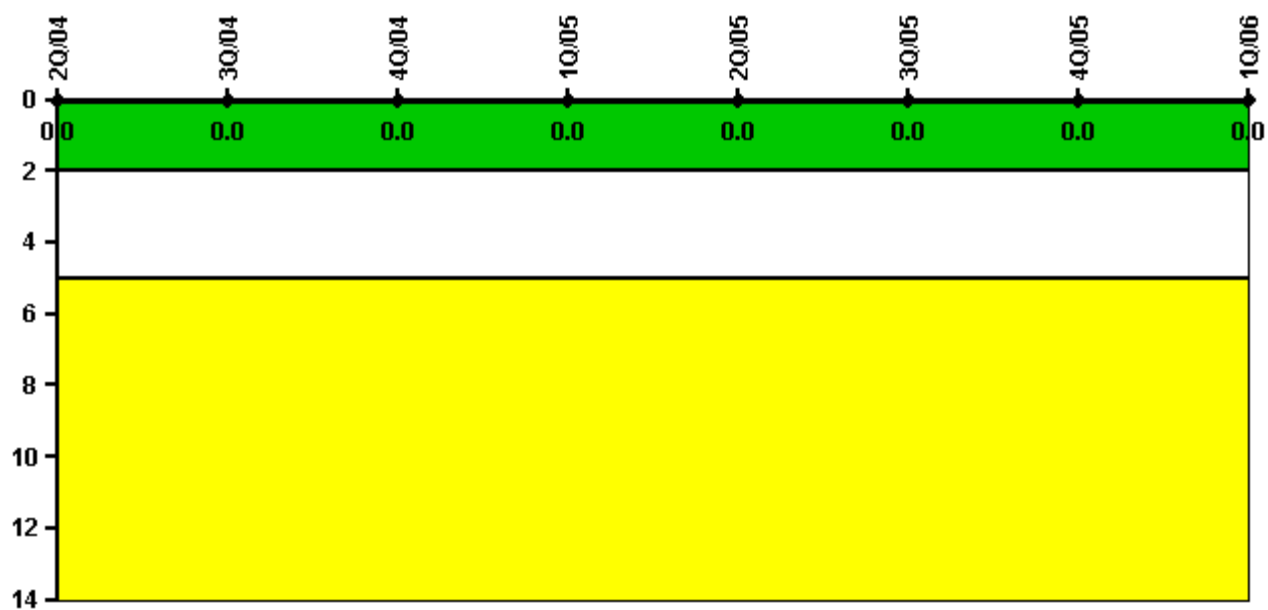
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	2384	2494	2394	2391	2376	2377	2319	2396
Total sirens-tests	2403	2560	2403	2403	2403	2403	2335	2403
Indicator value	99.1%	98.8%	98.8%	98.9%	98.8%	99.2%	99.2%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness

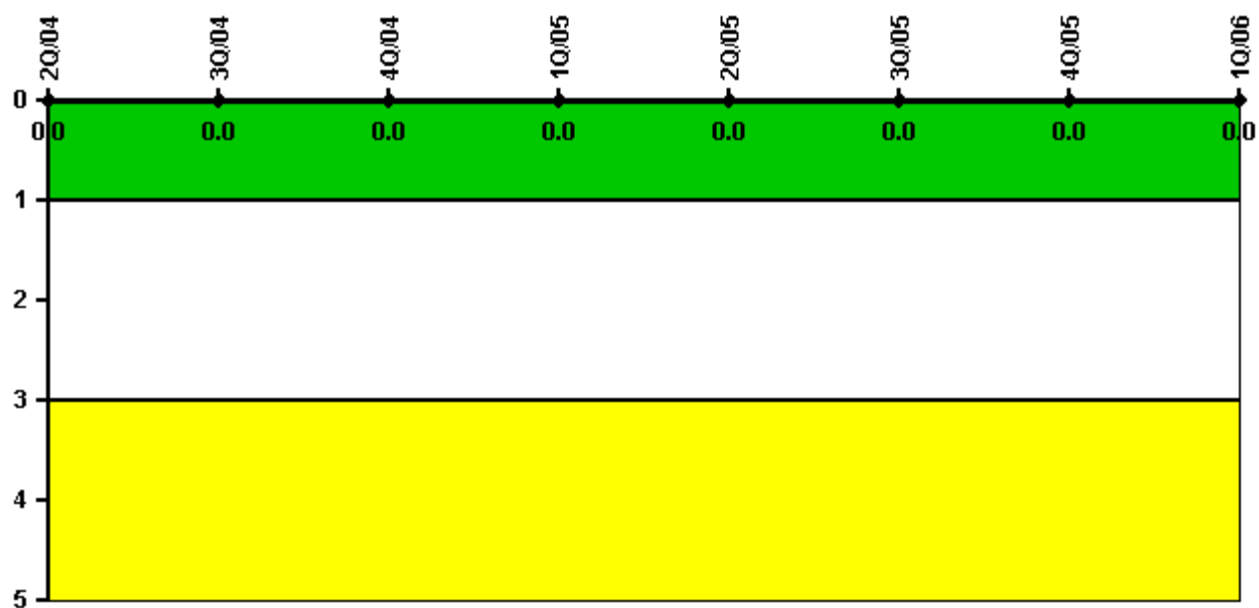


Thresholds: White > 2.0 Yellow > 5.0

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](#)

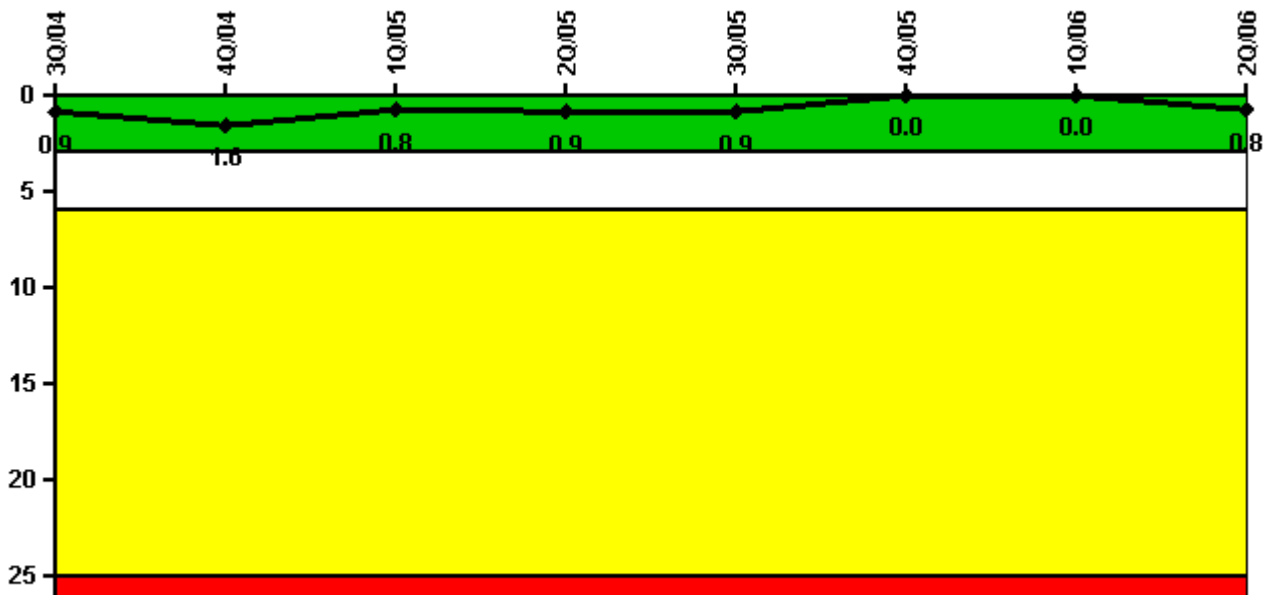
Last Modified: May 5, 2006

Catawba 1

2Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



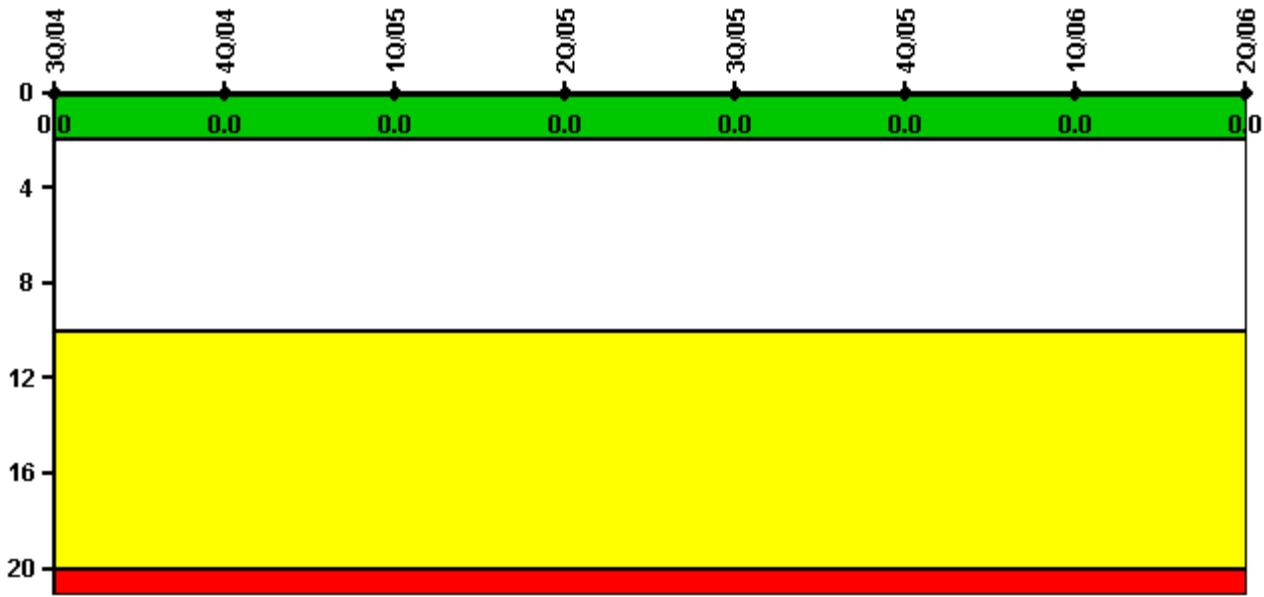
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	1.0
Critical hours	2208.0	2179.6	2160.0	1482.4	2208.0	2209.0	2160.0	1674.8
Indicator value	0.9	1.6	0.8	0.9	0.9	0	0	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



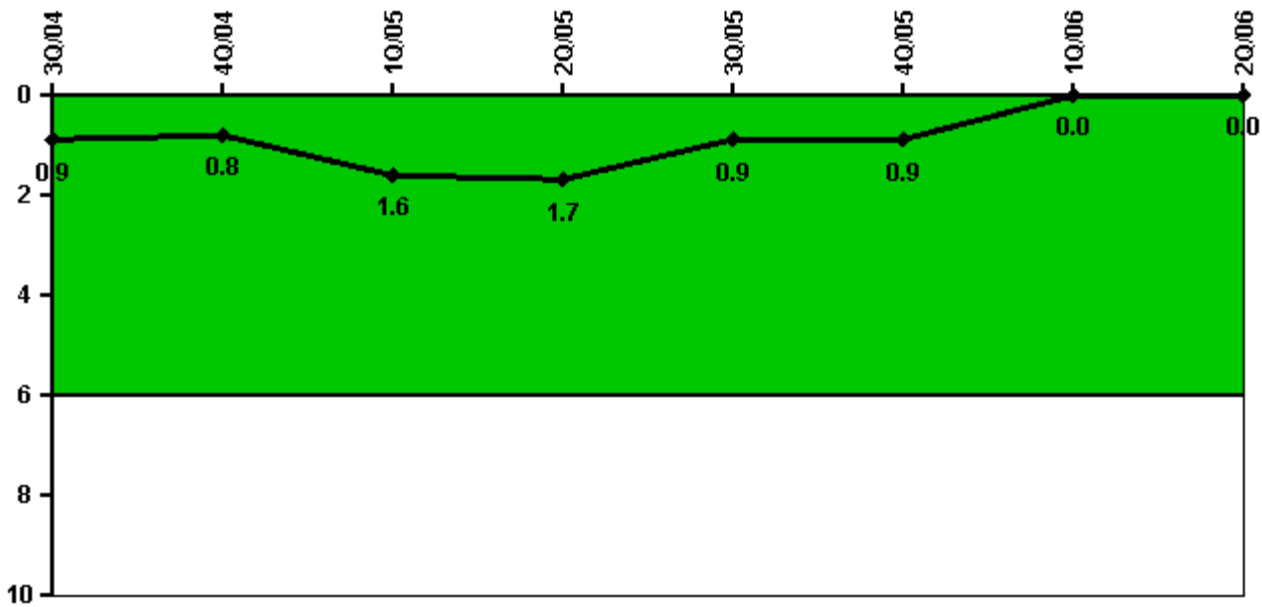
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



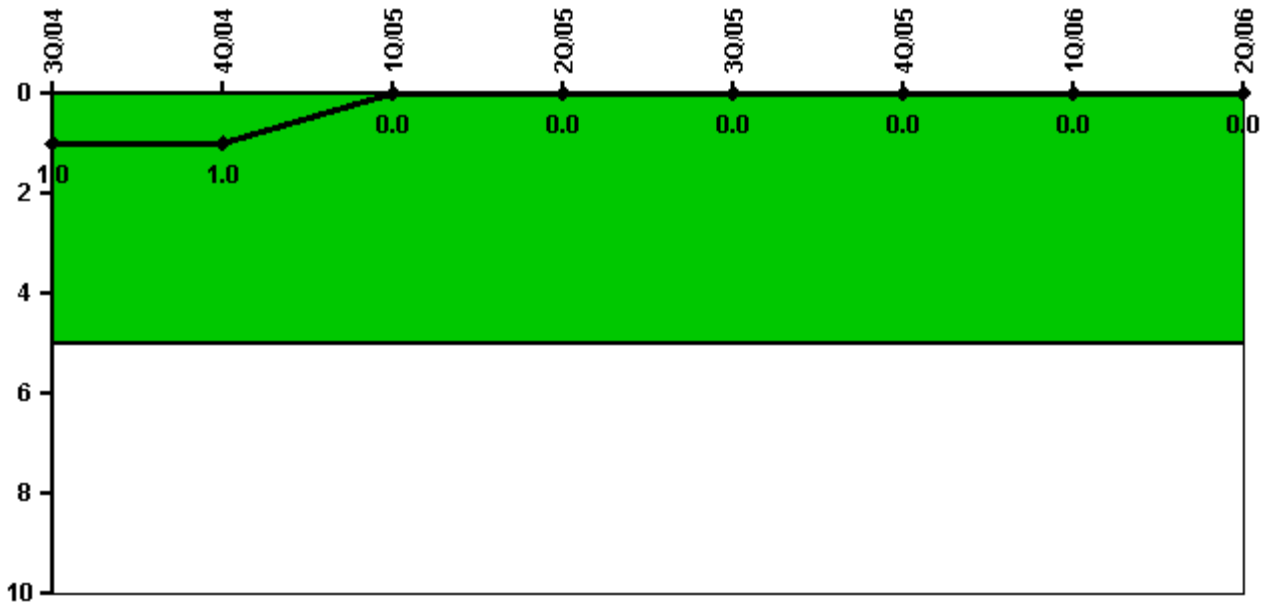
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	1.0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2179.6	2160.0	1482.4	2208.0	2209.0	2160.0	1674.8
Indicator value	0.9	0.8	1.6	1.7	0.9	0.9	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



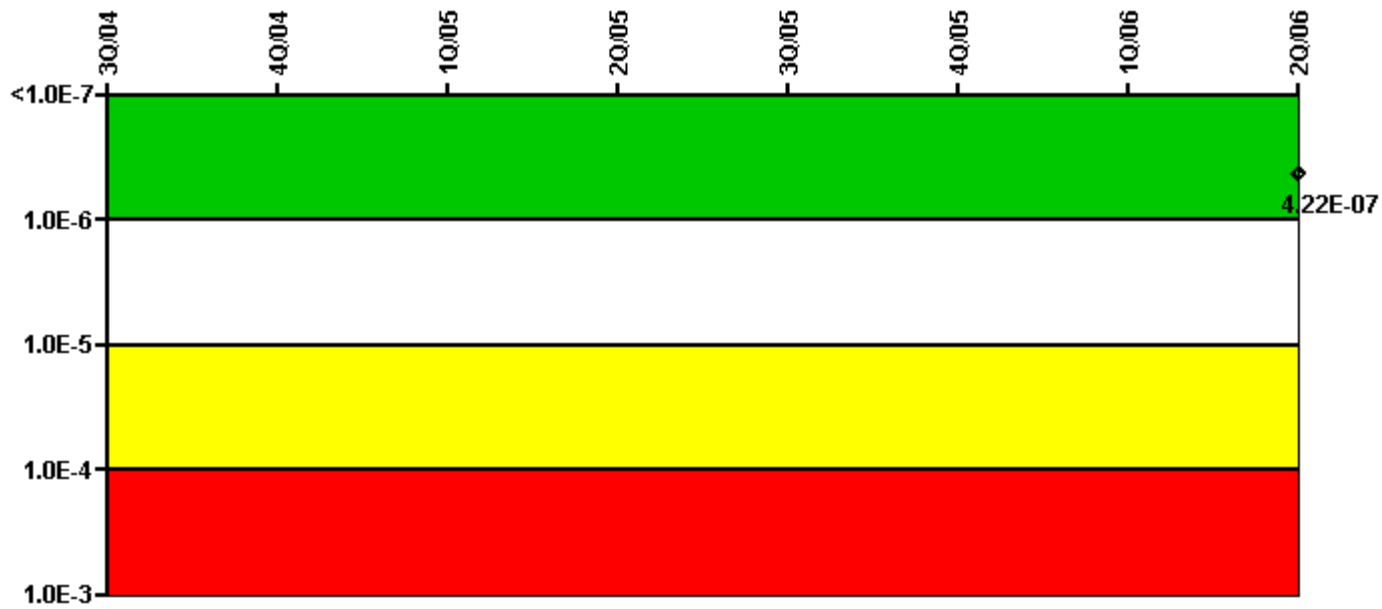
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



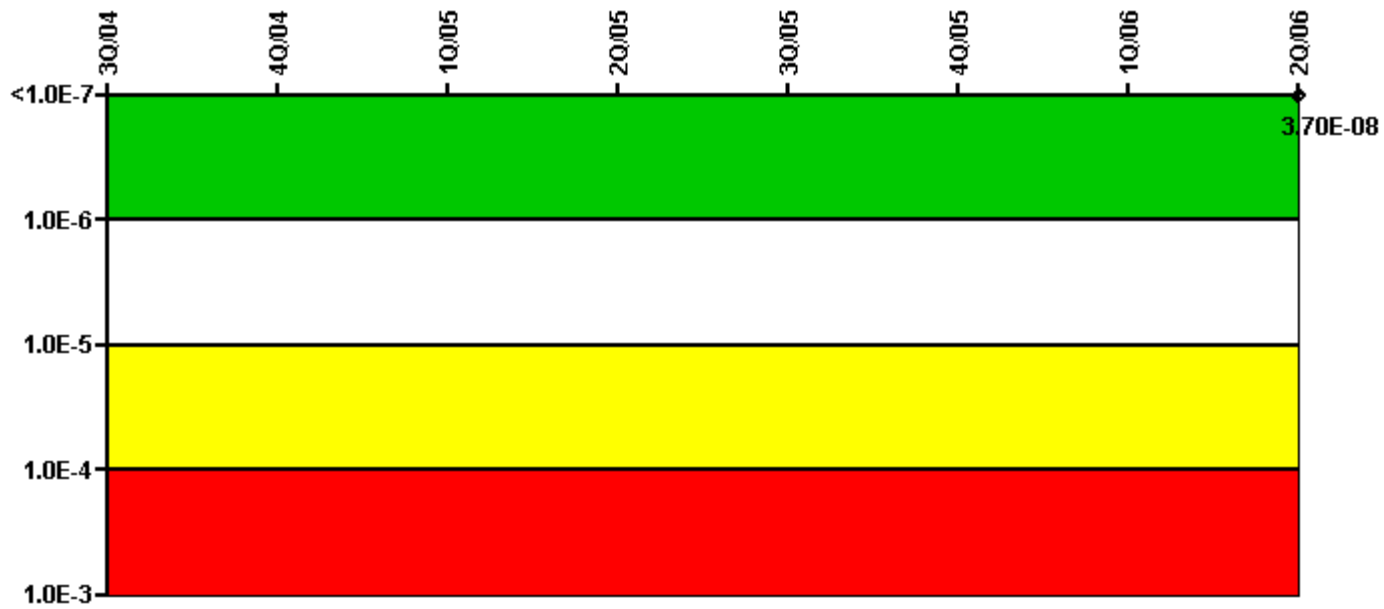
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								-8.40E-09
URI (Δ CDF)								4.30E-07
PLE								NO
Indicator value								4.22E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



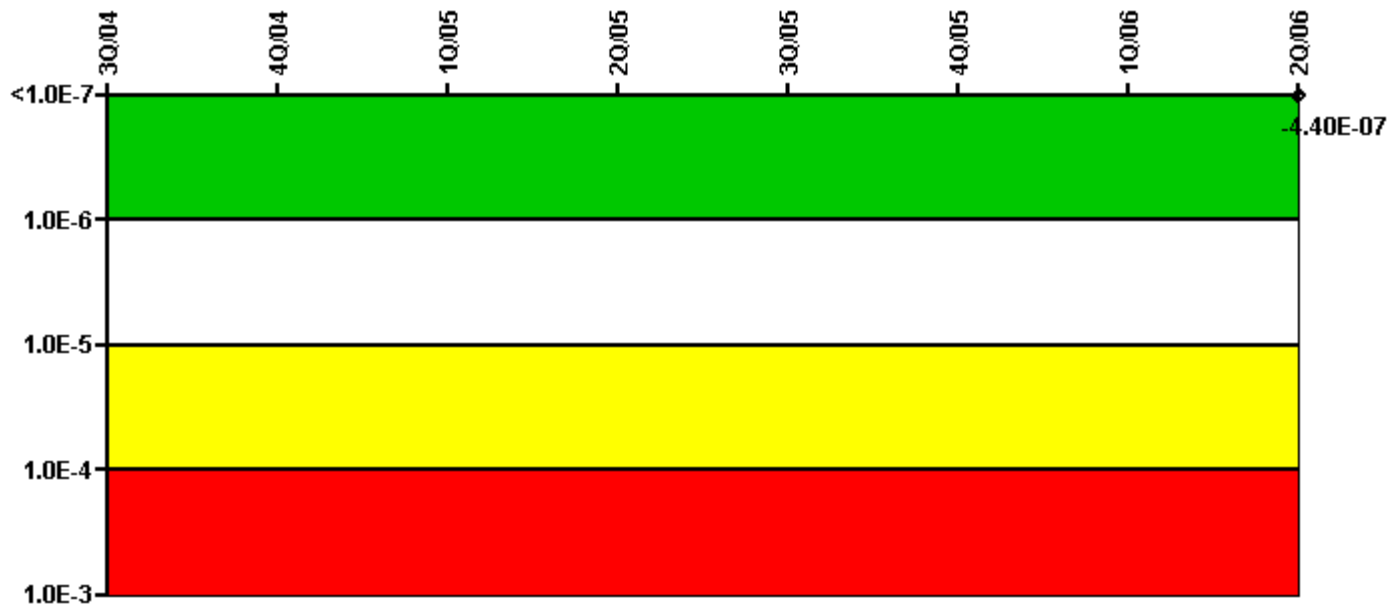
Thresholds: White $> 1.00 \times 10^{-6}$ Yellow $> 1.00 \times 10^{-5}$ Red $> 1.00 \times 10^{-4}$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								5.00×10^{-8}
URI (Δ CDF)								-1.30×10^{-8}
PLE								NO
Indicator value								3.70×10^{-8}

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)								-1.20E-07
URI (Δ CDF)								-3.20E-07
PLE								NO
Indicator value								-4.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



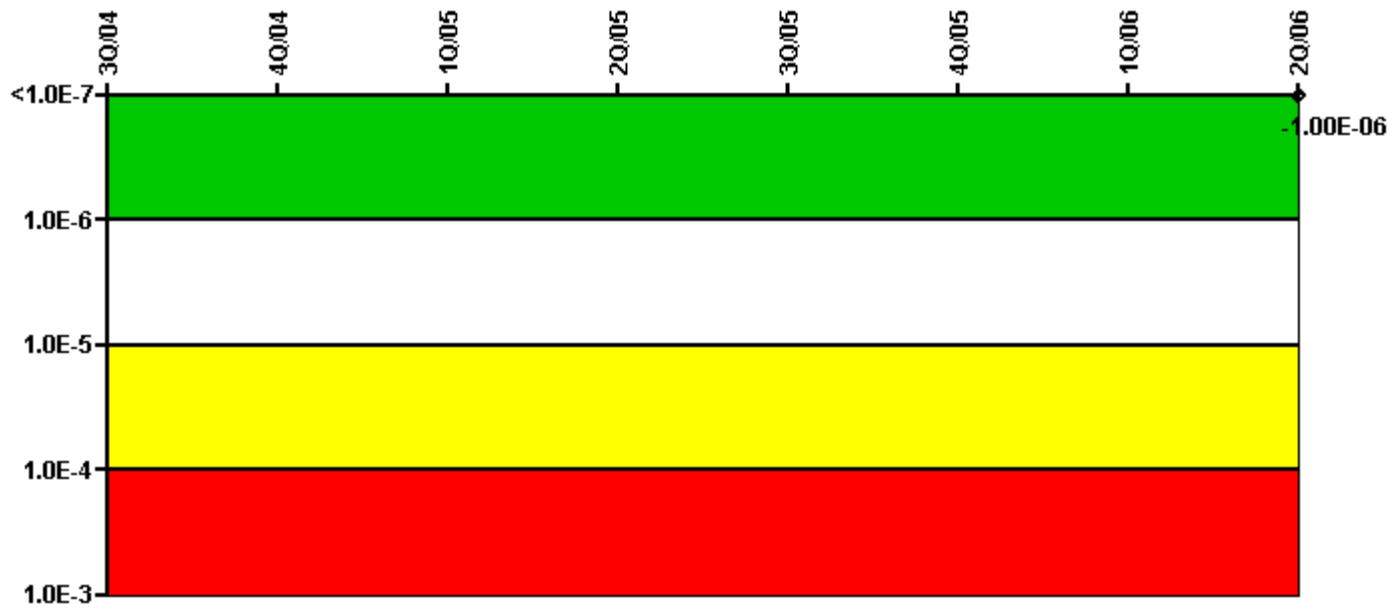
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-2.60E-06
URI (ΔCDF)								-1.50E-06
PLE								NO
Indicator value								-4.10E-06

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



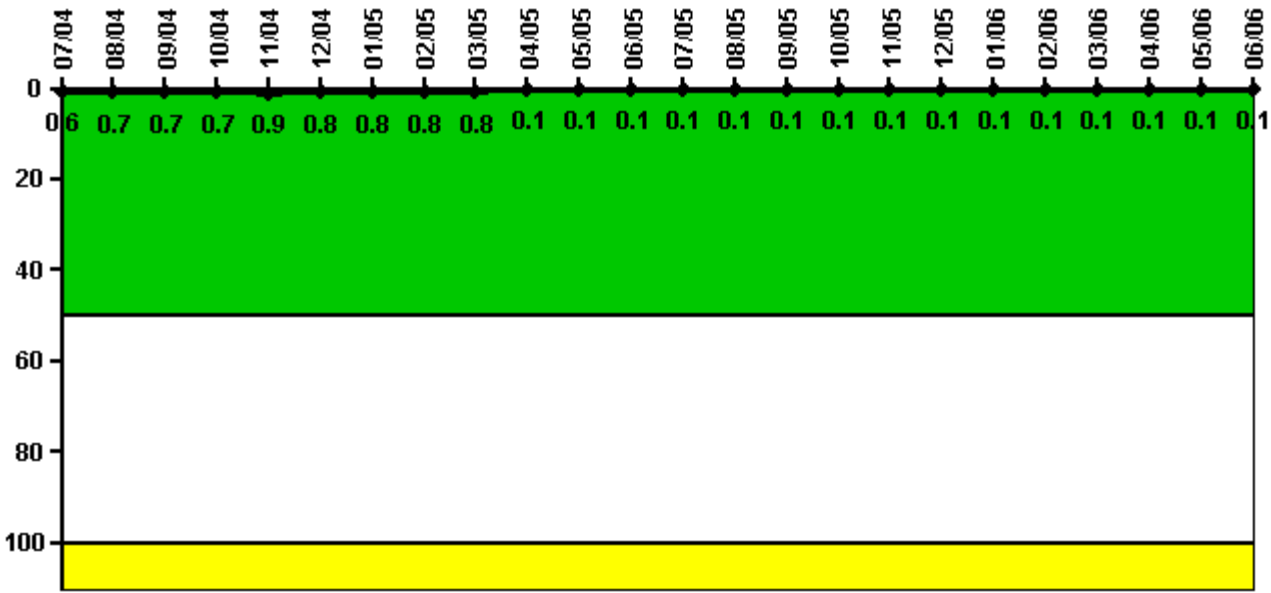
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-4.80E-07
URI (ΔCDF)								-5.20E-07
PLE								NO
Indicator value								-1.00E-06

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

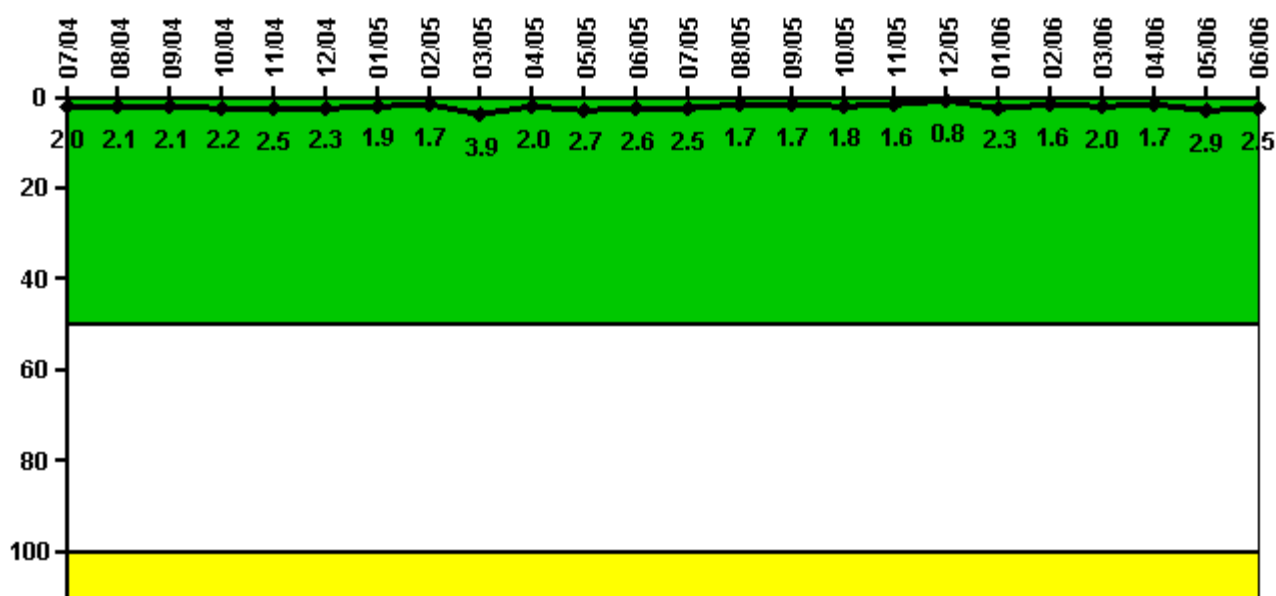
Notes

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	0.000413	0.000435	0.000464	0.000461	0.000560	0.000503	0.000515	0.000504	0.000530	0.000532	0.000467	0.000246
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5
Indicator value	0.6	0.7	0.7	0.7	0.9	0.8	0.8	0.8	0.8	0.1	0.1	0.1

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	0.000255	0.000296	0.000288	0.000317	0.000316	0.000304	0.000319	0.000341	0.000368	0.000364	0.000370	0.000408
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



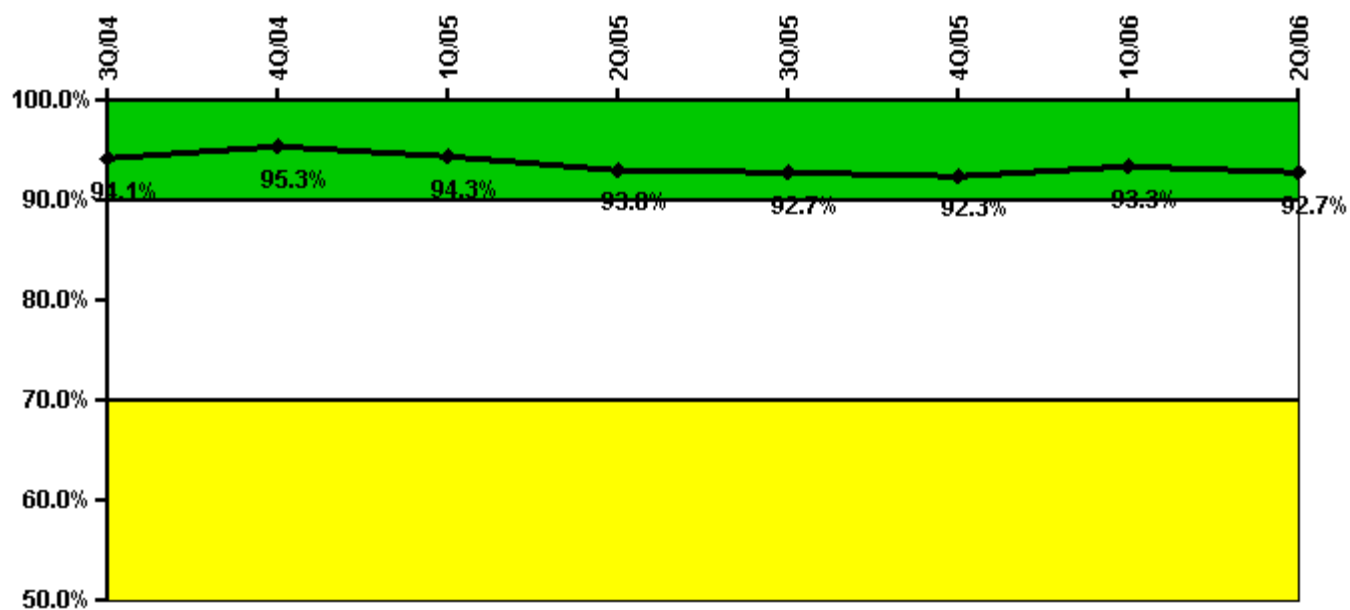
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.195	0.208	0.211	0.217	0.253	0.228	0.189	0.172	0.385	0.198	0.267	0.262
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	2.1	2.1	2.2	2.5	2.3	1.9	1.7	3.9	2.0	2.7	2.6
Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.246	0.168	0.170	0.180	0.160	0.077	0.227	0.163	0.198	0.166	0.294	0.249
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.5	1.7	1.7	1.8	1.6	0.8	2.3	1.6	2.0	1.7	2.9	2.5

Licensee Comments: none

Drill/Exercise Performance



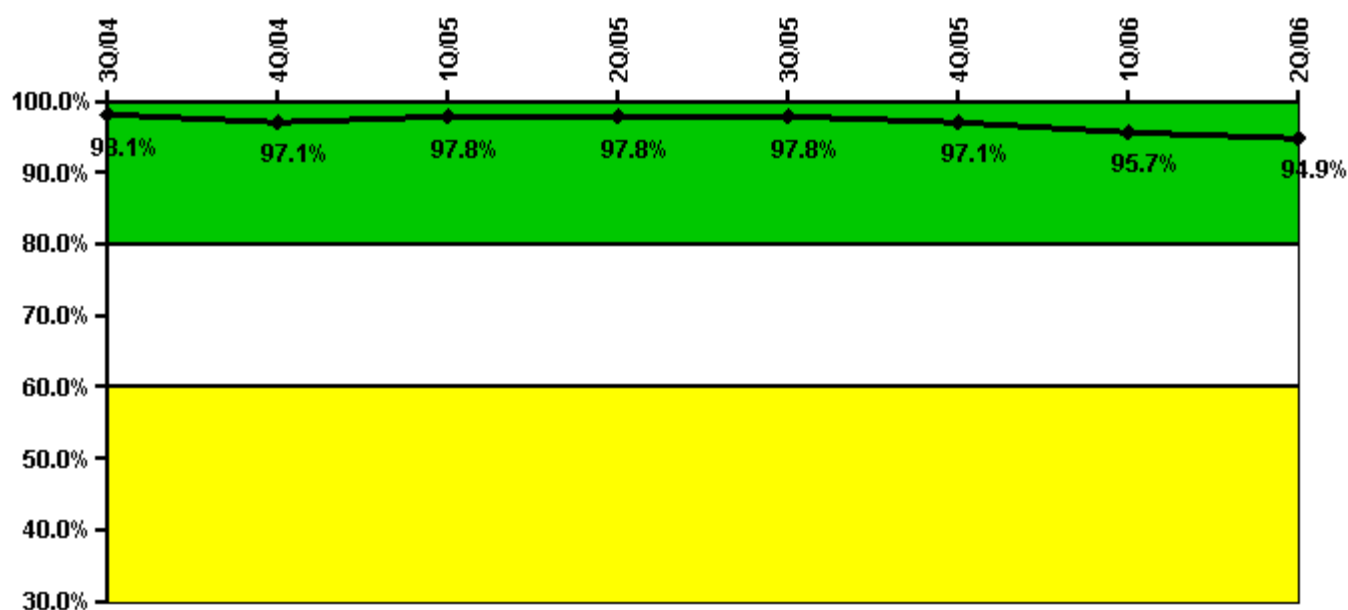
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	66.0	15.0	56.0	8.0	119.0	15.0	51.0	15.0
Total opportunities	76.0	15.0	62.0	8.0	125.0	16.0	52.0	18.0
Indicator value	94.1%	95.3%	94.3%	93.0%	92.7%	92.3%	93.3%	92.7%

Licensee Comments: none

ERO Drill Participation



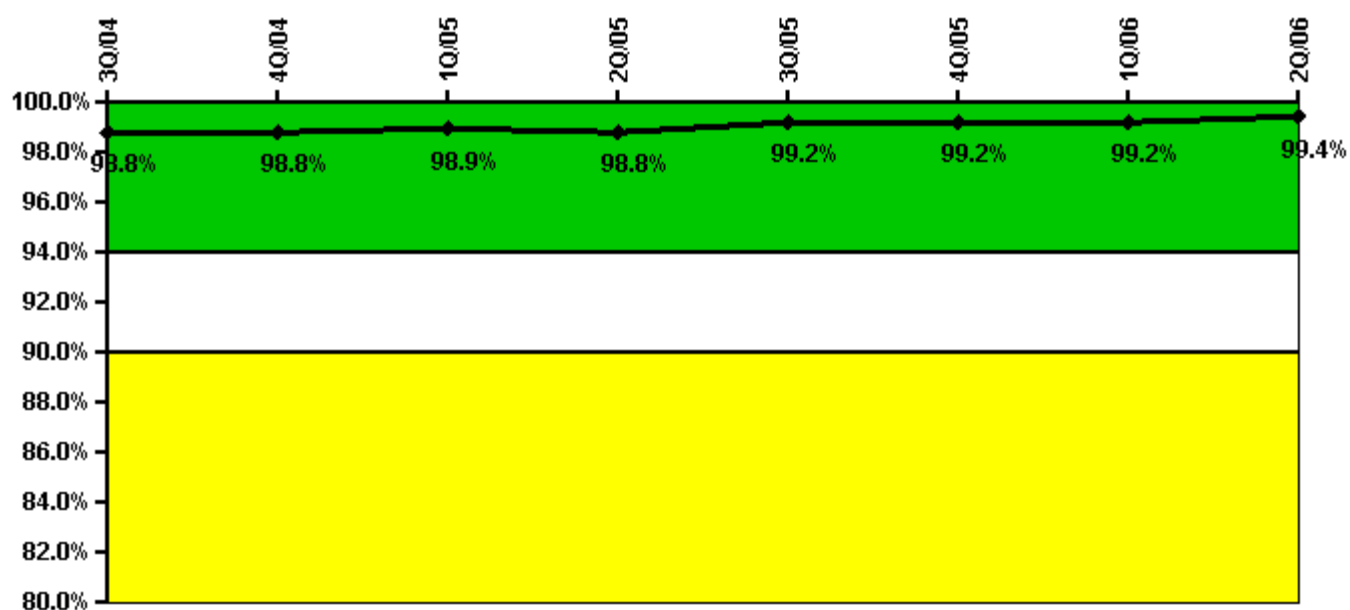
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	156.0	133.0	134.0	133.0	131.0	132.0	132.0	131.0
Total Key personnel	159.0	137.0	137.0	136.0	134.0	136.0	138.0	138.0
Indicator value	98.1%	97.1%	97.8%	97.8%	97.8%	97.1%	95.7%	94.9%

Licensee Comments: none

Alert & Notification System



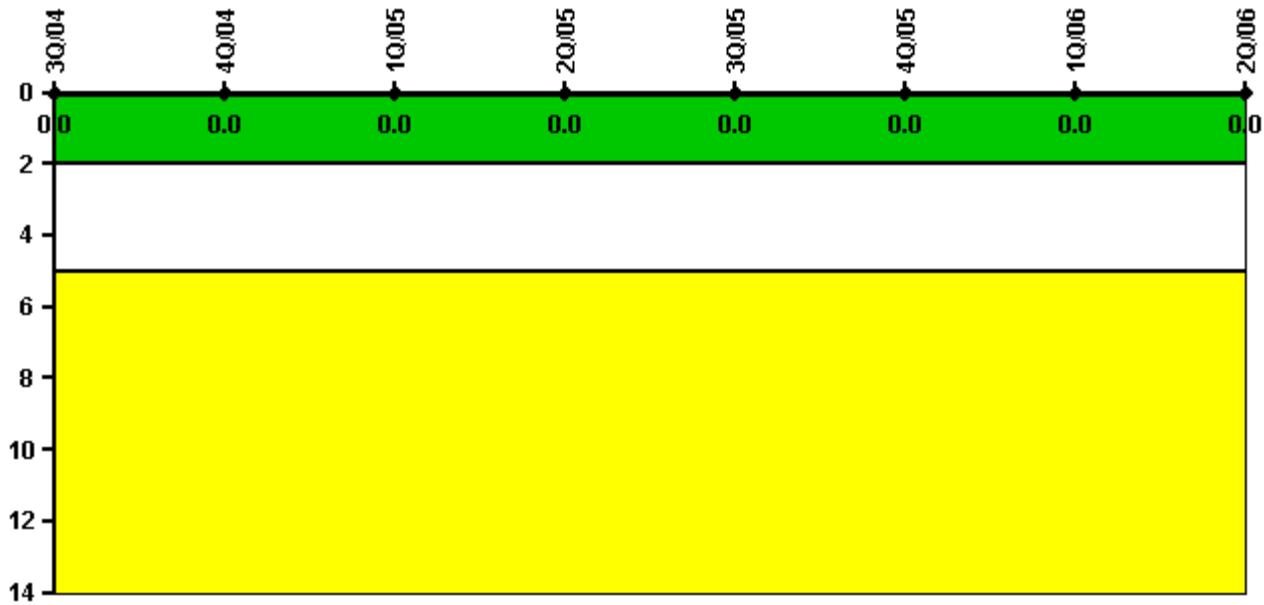
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	2494	2394	2391	2376	2377	2319	2396	2392
Total sirens-tests	2560	2403	2403	2403	2403	2335	2403	2403
Indicator value	98.8%	98.8%	98.9%	98.8%	99.2%	99.2%	99.2%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness

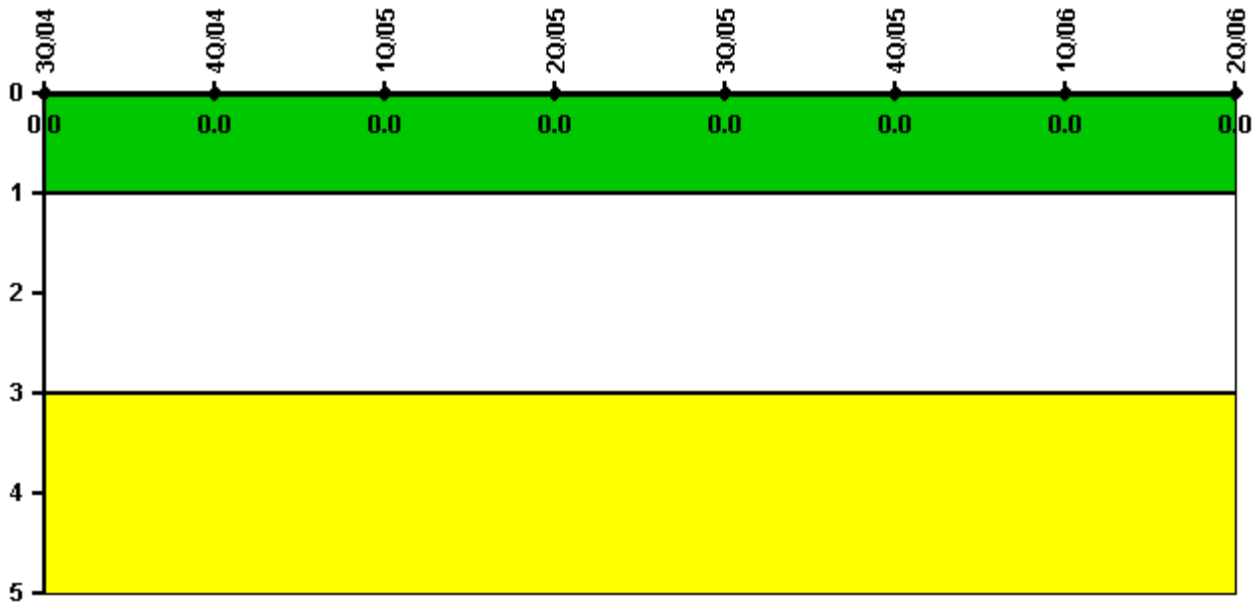


Thresholds: White > 2.0 Yellow > 5.0

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](#)

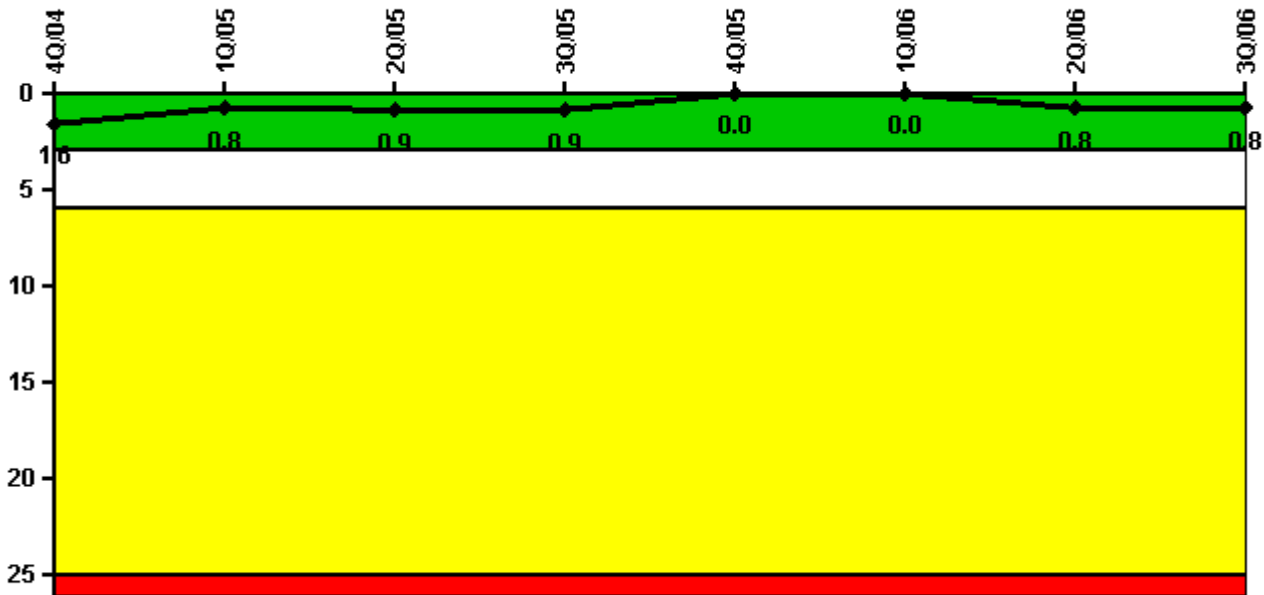
Last Modified: August 2, 2006

Catawba 1

3Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



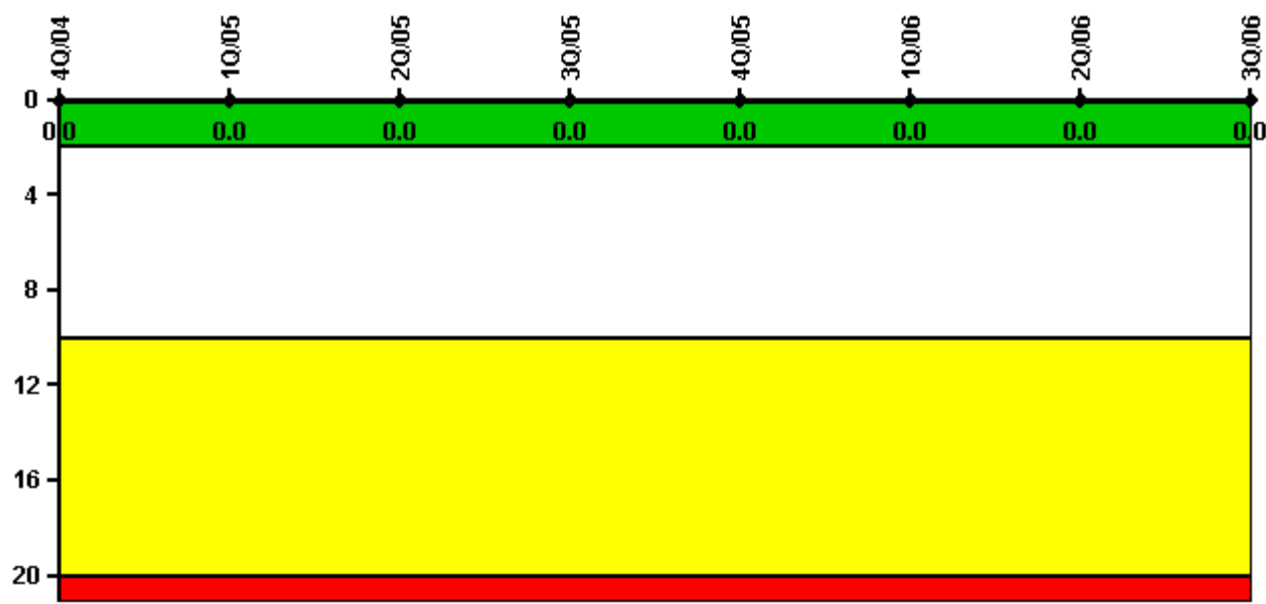
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	1.0	0
Critical hours	2179.6	2160.0	1482.4	2208.0	2209.0	2160.0	1674.8	2208.0
Indicator value	1.6	0.8	0.9	0.9	0	0	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



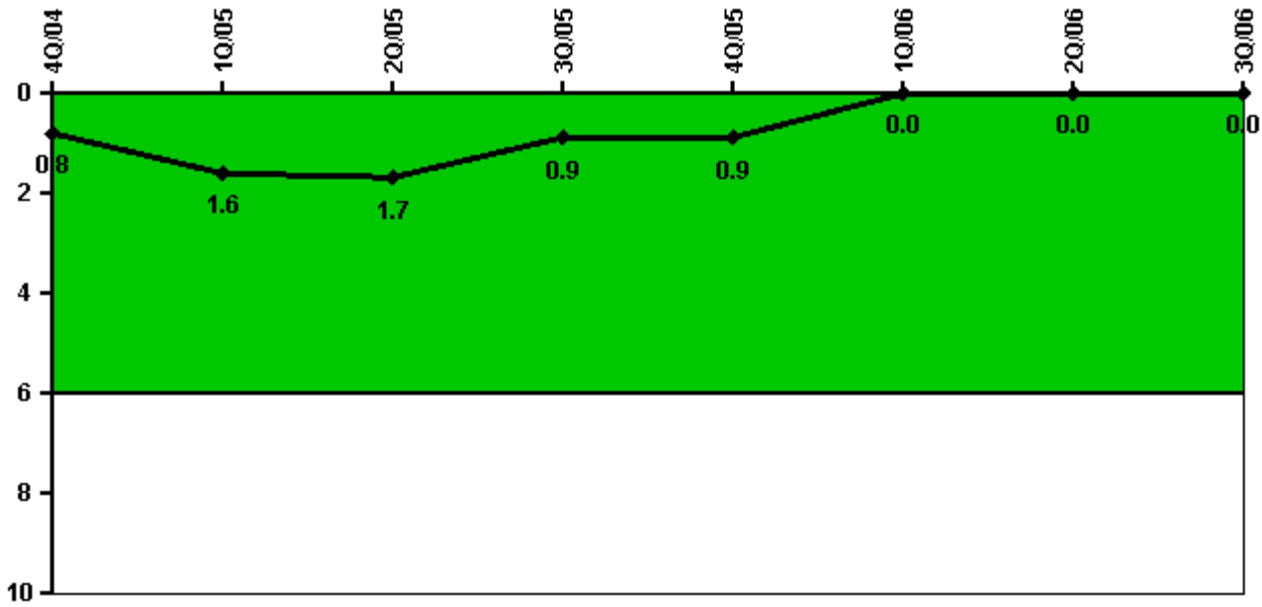
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



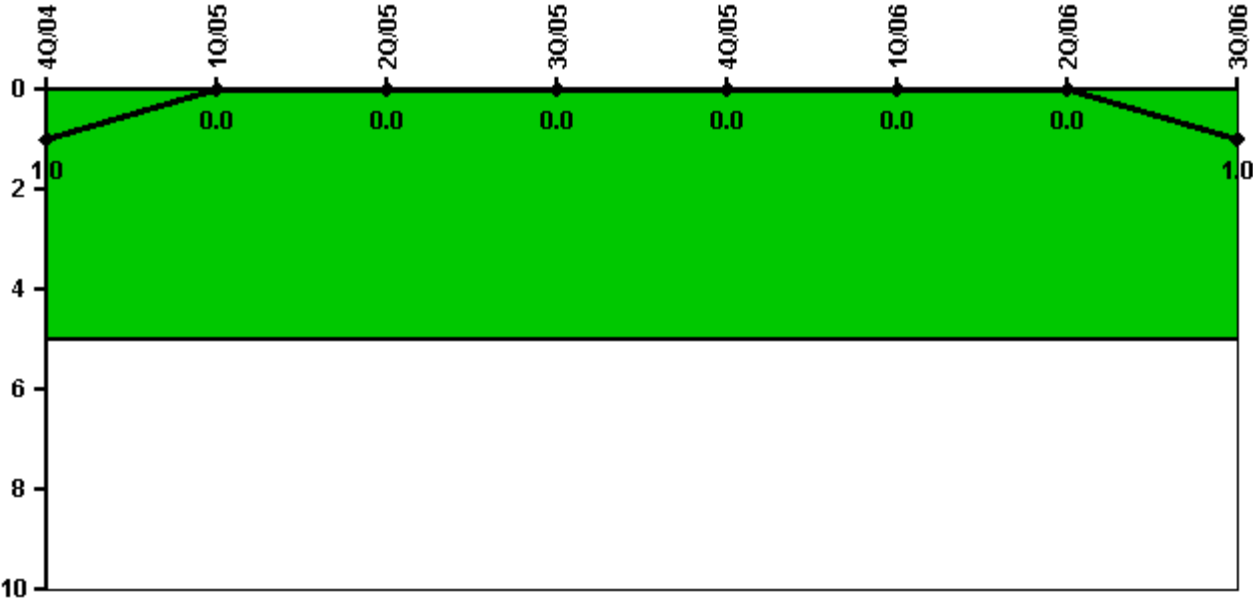
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2179.6	2160.0	1482.4	2208.0	2209.0	2160.0	1674.8	2208.0
Indicator value	0.8	1.6	1.7	0.9	0.9	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



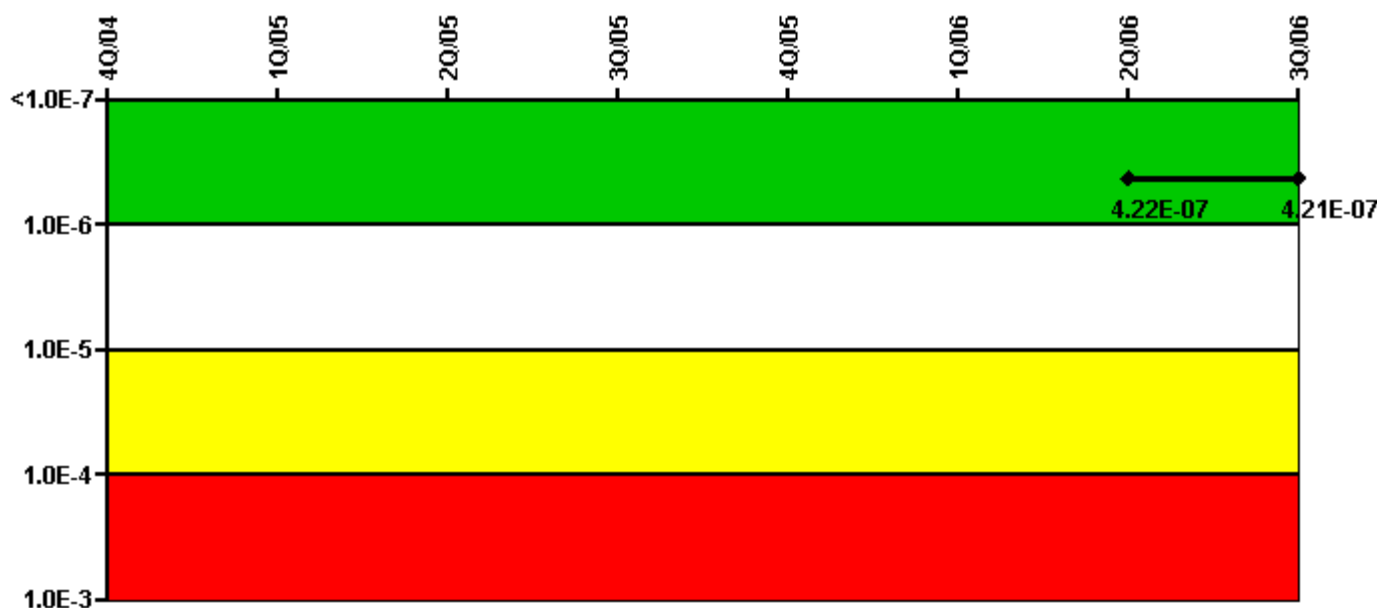
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



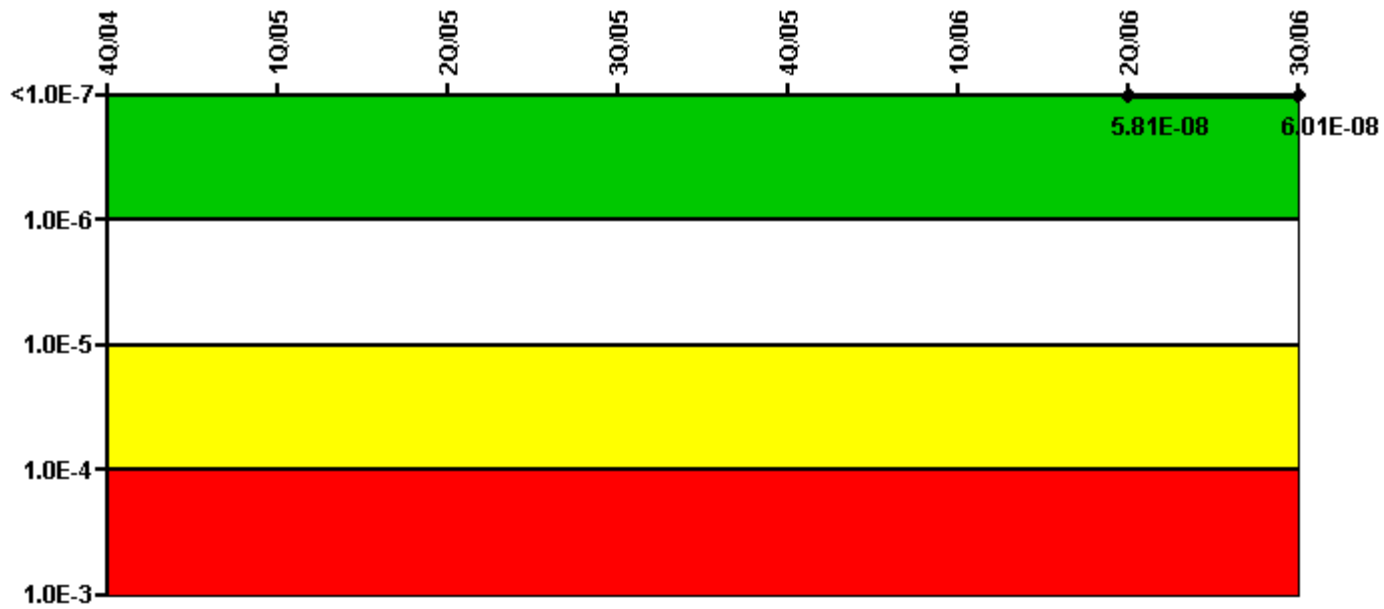
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-8.40E-09	-8.70E-09
URI (ΔCDF)							4.30E-07	4.30E-07
PLE							NO	NO
Indicator value							4.22E-07	4.21E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



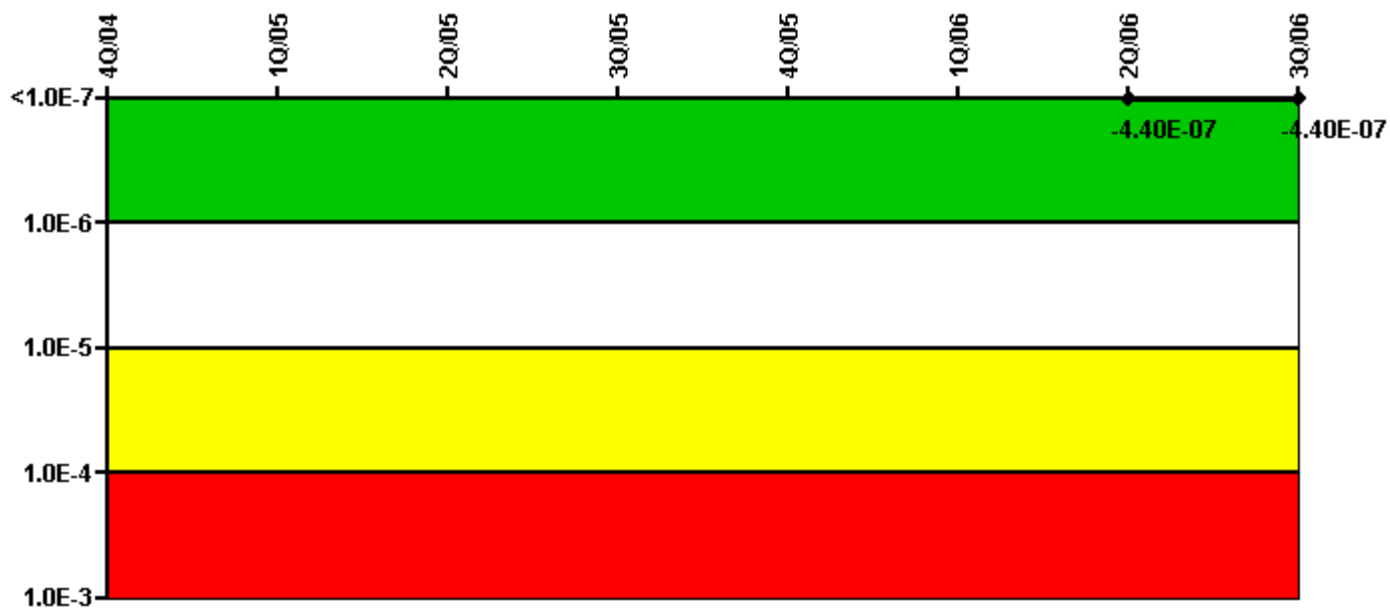
Thresholds: White $> 1.00 \times 10^{-6}$ Yellow $> 1.00 \times 10^{-5}$ Red $> 1.00 \times 10^{-4}$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							5.00E-08	5.20E-08
URI (Δ CDF)							8.10E-09	8.10E-09
PLE							NO	NO
Indicator value							5.81E-08	6.01E-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/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-1.20E-07	-1.20E-07
URI (ΔCDF)							-3.20E-07	-3.20E-07
PLE							NO	NO
Indicator value							-4.40E-07	-4.40E-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	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-2.60E-06	-2.60E-06
URI (ΔCDF)							-1.50E-06	-1.50E-06
PLE							NO	NO
Indicator value							-4.10E-06	-4.10E-06

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-4.80E-07	-4.80E-07
URI (ΔCDF)							-5.20E-07	-5.60E-07
PLE							NO	NO
Indicator value							-1.00E-06	-1.04E-06

Licensee Comments: none

The chart displays the percentage of respondents for each age group (0-100) across 24 dates from 10/04 to 09/06. The Y-axis represents the percentage (0 to 100), and the X-axis represents the dates. The chart shows a large green area (0-20%) and a small yellow area (100-100%).

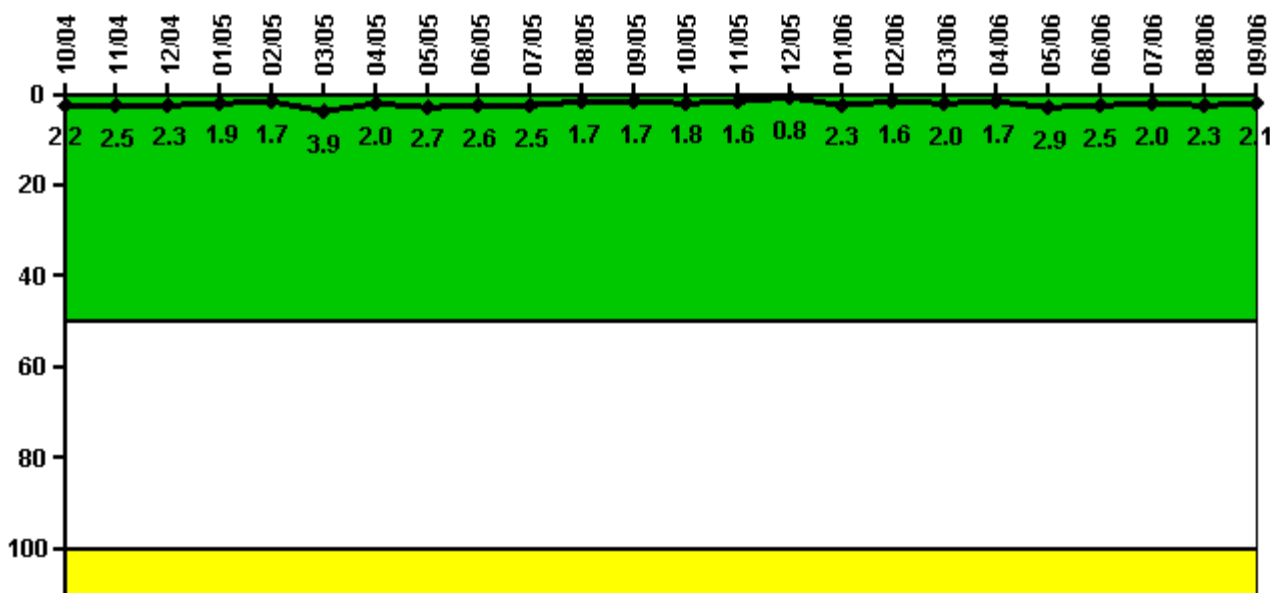
Date	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
10/04	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
11/04	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
12/04	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
01/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
02/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
03/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
04/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
05/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
06/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
07/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
08/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
09/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
10/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
11/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
12/05	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
01/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
02/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
03/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
04/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
05/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
06/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
07/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
08/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1
09/06	0.7	0.9	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1

Notes

[illegible]

Licensee Comments: none

Reactor Coolant System Leakage



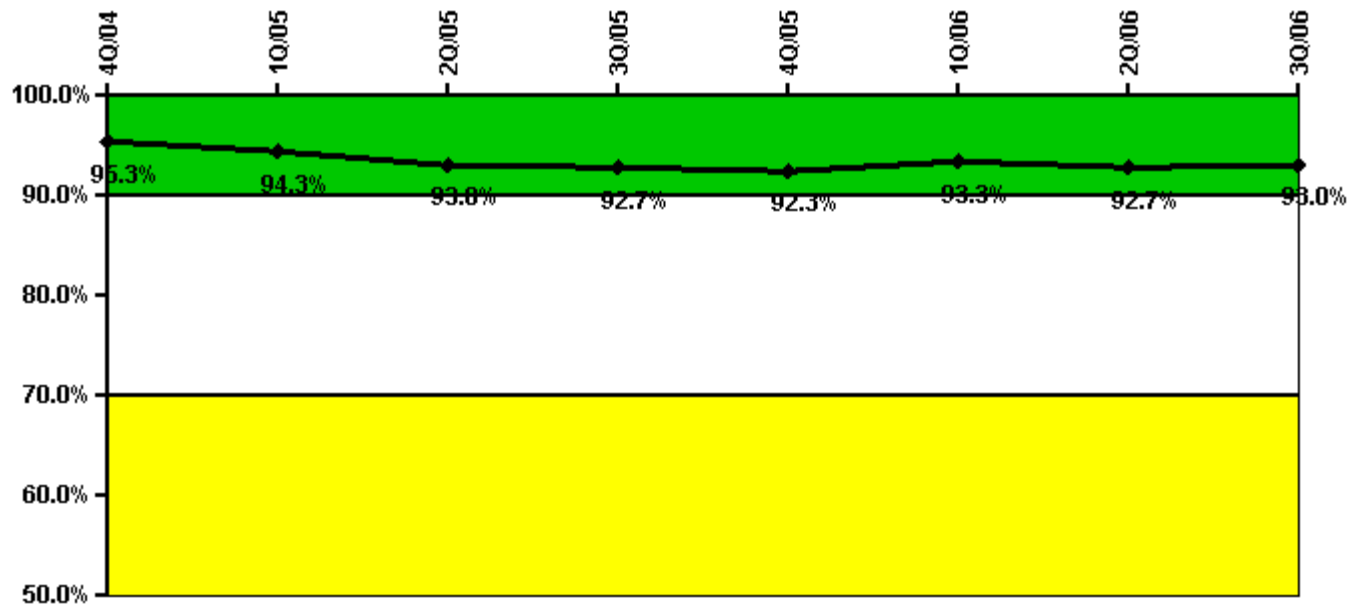
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.217	0.253	0.228	0.189	0.172	0.385	0.198	0.267	0.262	0.246	0.168	0.170
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.5	2.3	1.9	1.7	3.9	2.0	2.7	2.6	2.5	1.7	1.7
Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.180	0.160	0.077	0.227	0.163	0.198	0.166	0.294	0.249	0.204	0.226	0.205
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.8	1.6	0.8	2.3	1.6	2.0	1.7	2.9	2.5	2.0	2.3	2.1

Licensee Comments: none

Drill/Exercise Performance



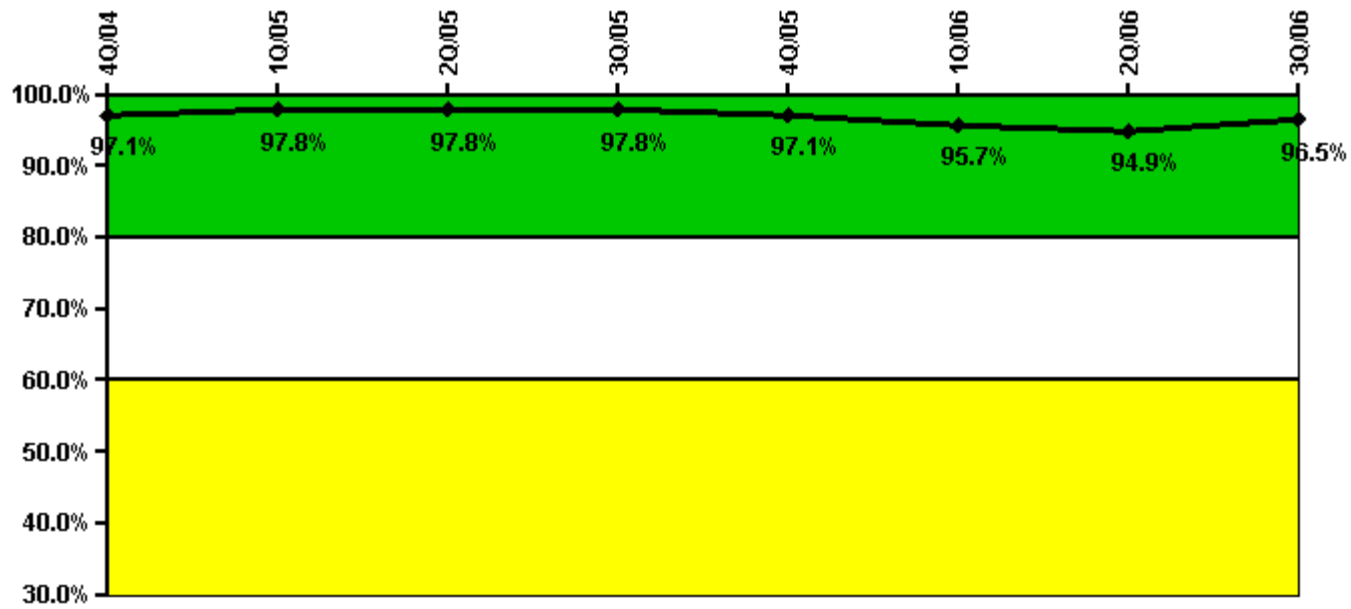
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	15.0	56.0	8.0	119.0	15.0	51.0	15.0	104.0
Total opportunities	15.0	62.0	8.0	125.0	16.0	52.0	18.0	116.0
Indicator value	95.3%	94.3%	93.0%	92.7%	92.3%	93.3%	92.7%	93.0%

Licensee Comments: none

ERO Drill Participation



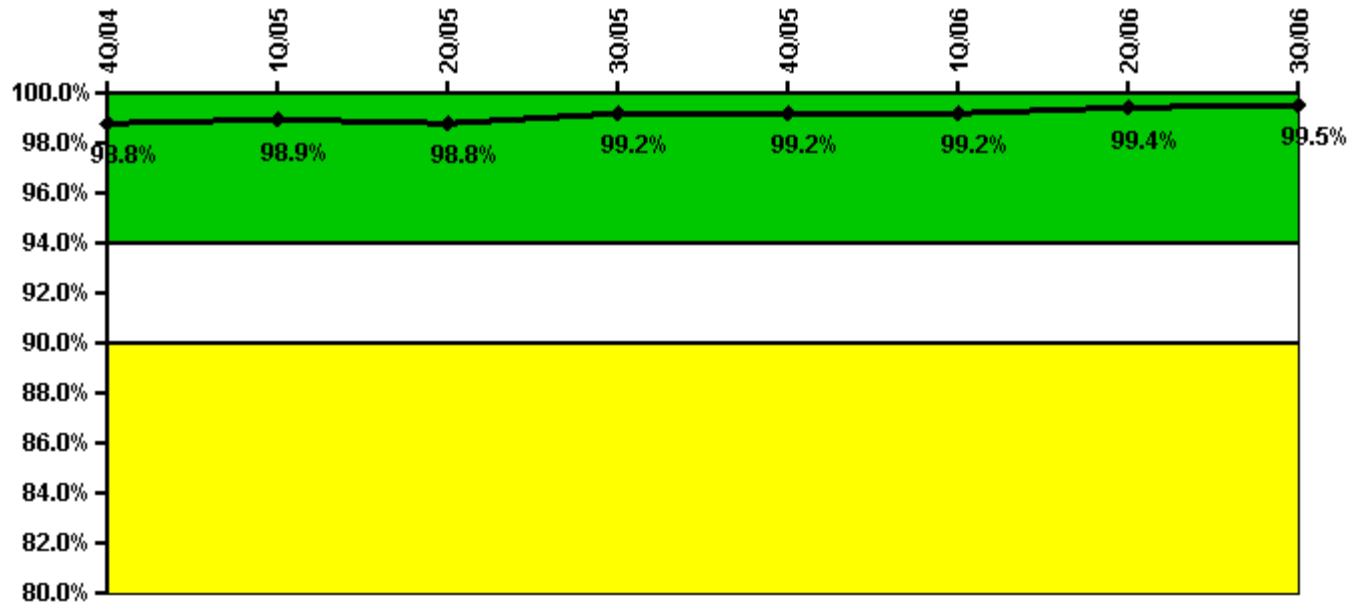
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	133.0	134.0	133.0	131.0	132.0	132.0	131.0	138.0
Total Key personnel	137.0	137.0	136.0	134.0	136.0	138.0	138.0	143.0
Indicator value	97.1%	97.8%	97.8%	97.8%	97.1%	95.7%	94.9%	96.5%

Licensee Comments: none

Alert & Notification System



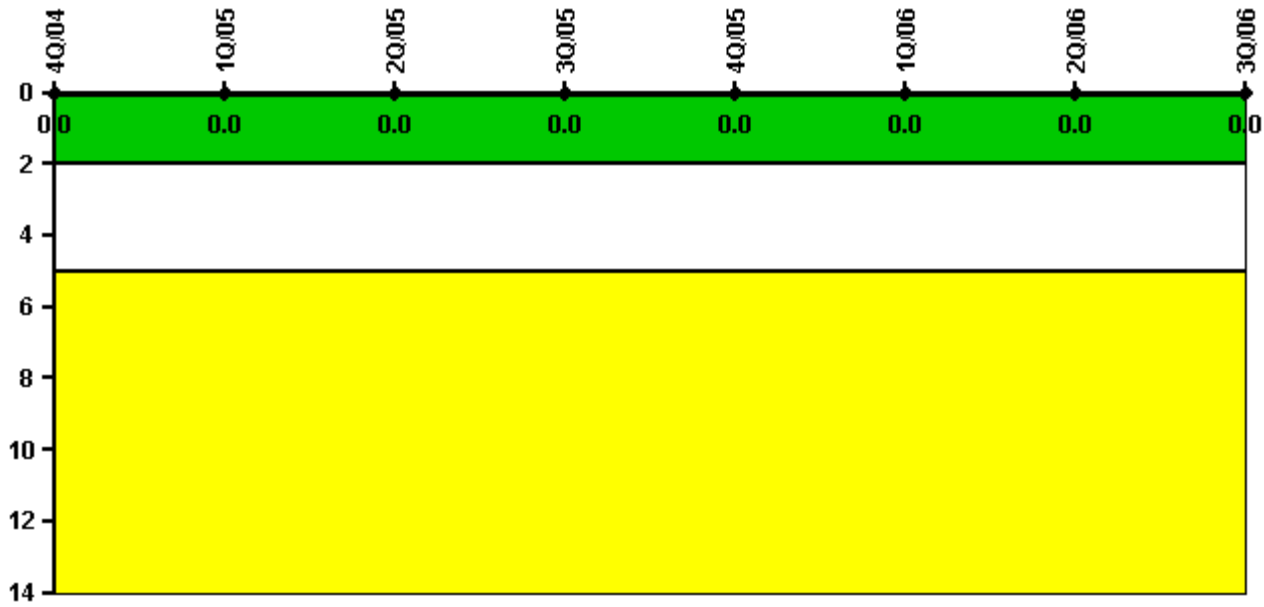
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	2394	2391	2376	2377	2319	2396	2392	2393
Total sirens-tests	2403	2403	2403	2403	2335	2403	2403	2403
Indicator value	98.8%	98.9%	98.8%	99.2%	99.2%	99.2%	99.4%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



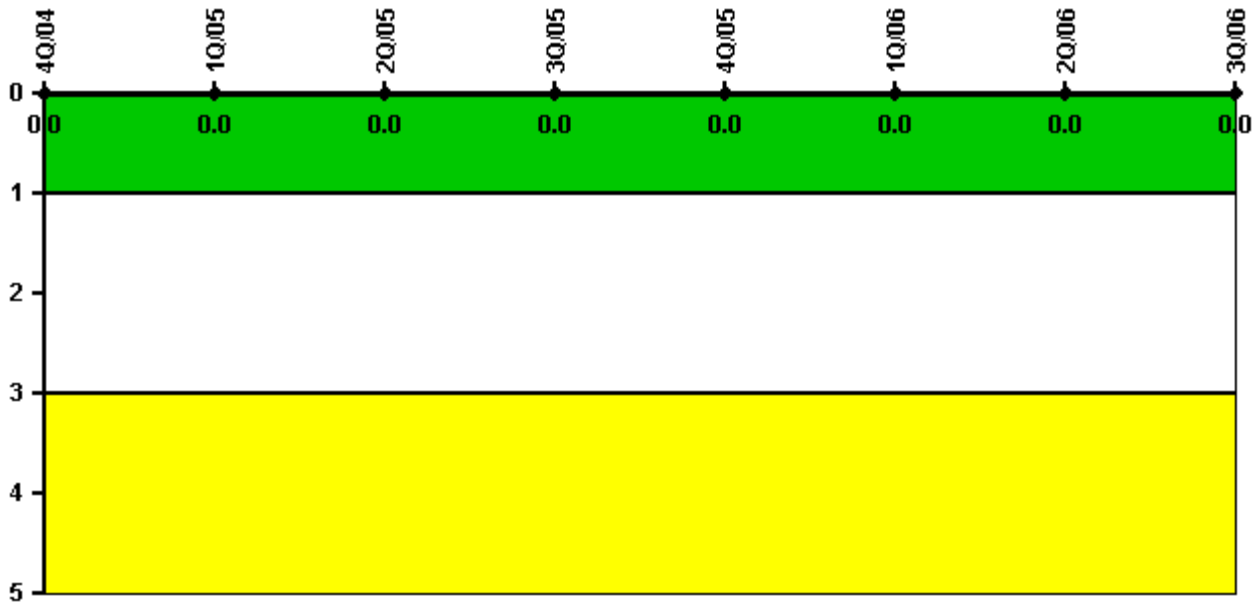
Thresholds: White > 2.0 Yellow > 5.0

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

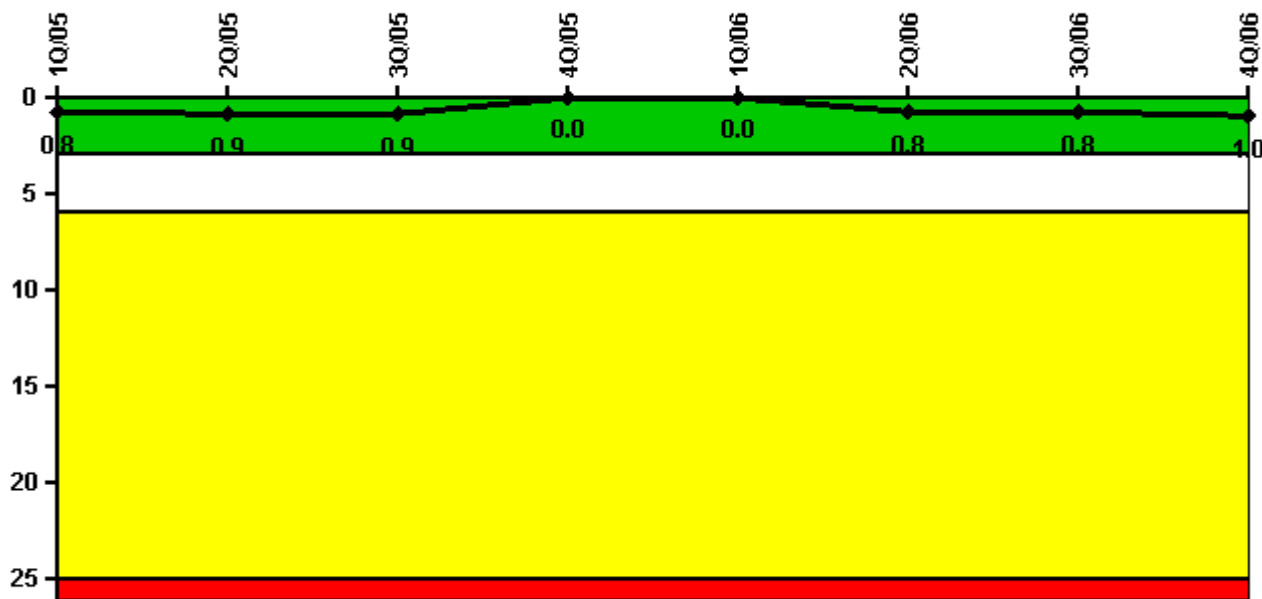
[Physical Protection](#) information not publicly available.

Catawba 1

4Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



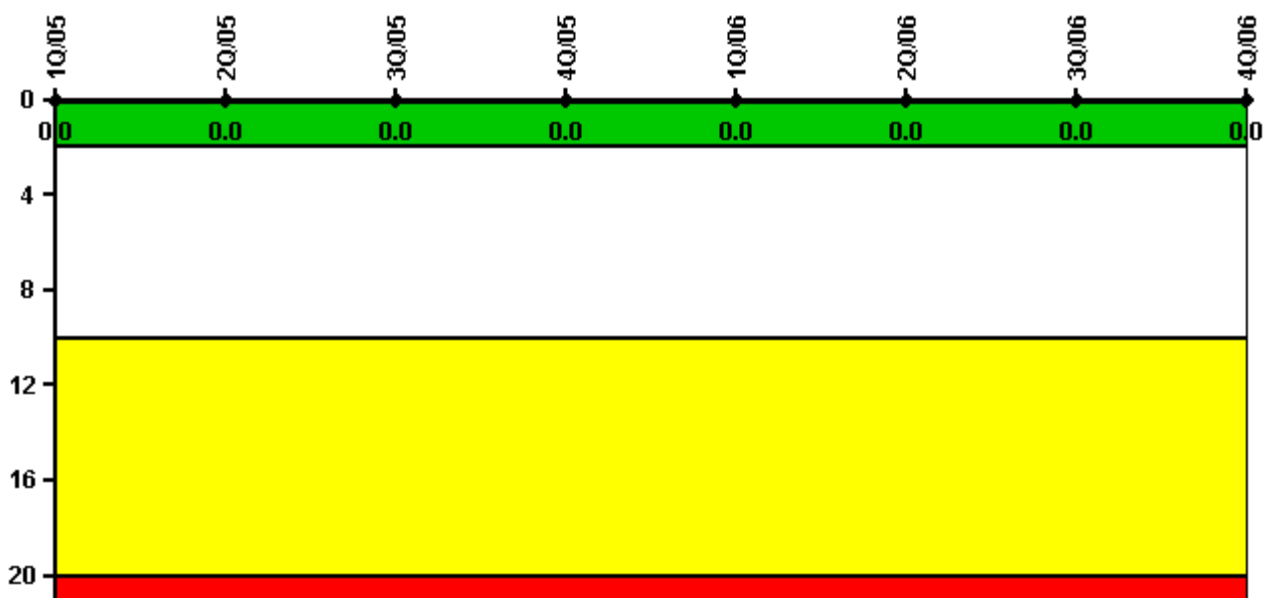
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	1482.4	2208.0	2209.0	2160.0	1674.8	2208.0	1043.6
Indicator value	0.8	0.9	0.9	0	0	0.8	0.8	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



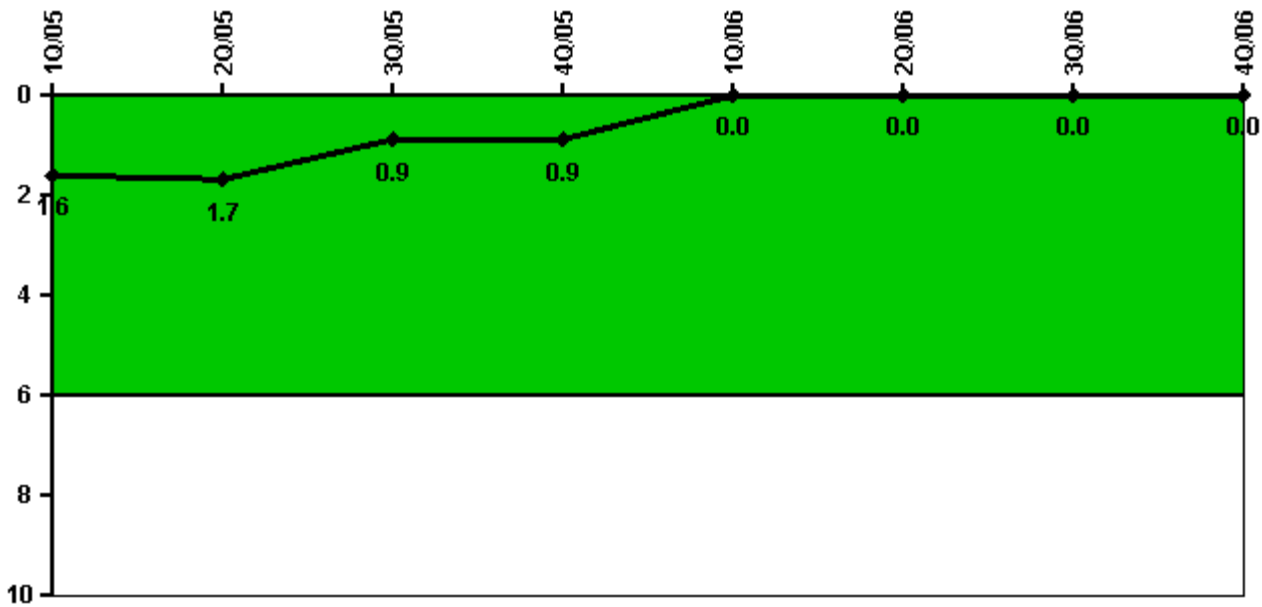
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



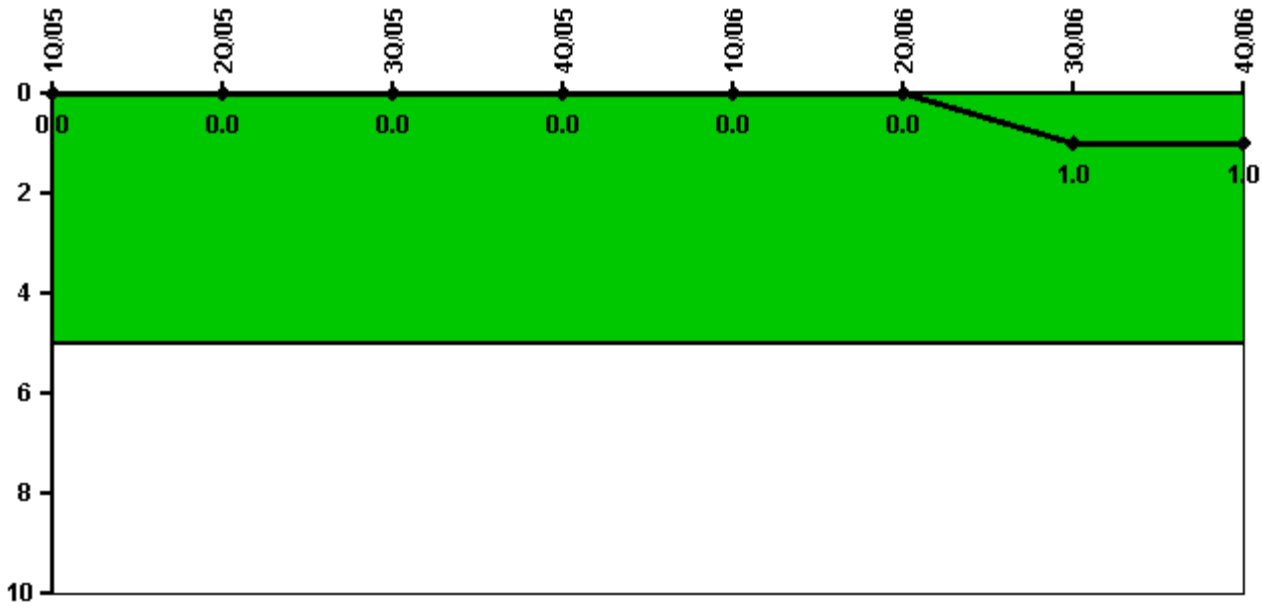
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2160.0	1482.4	2208.0	2209.0	2160.0	1674.8	2208.0	1043.6
Indicator value	1.6	1.7	0.9	0.9	0	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



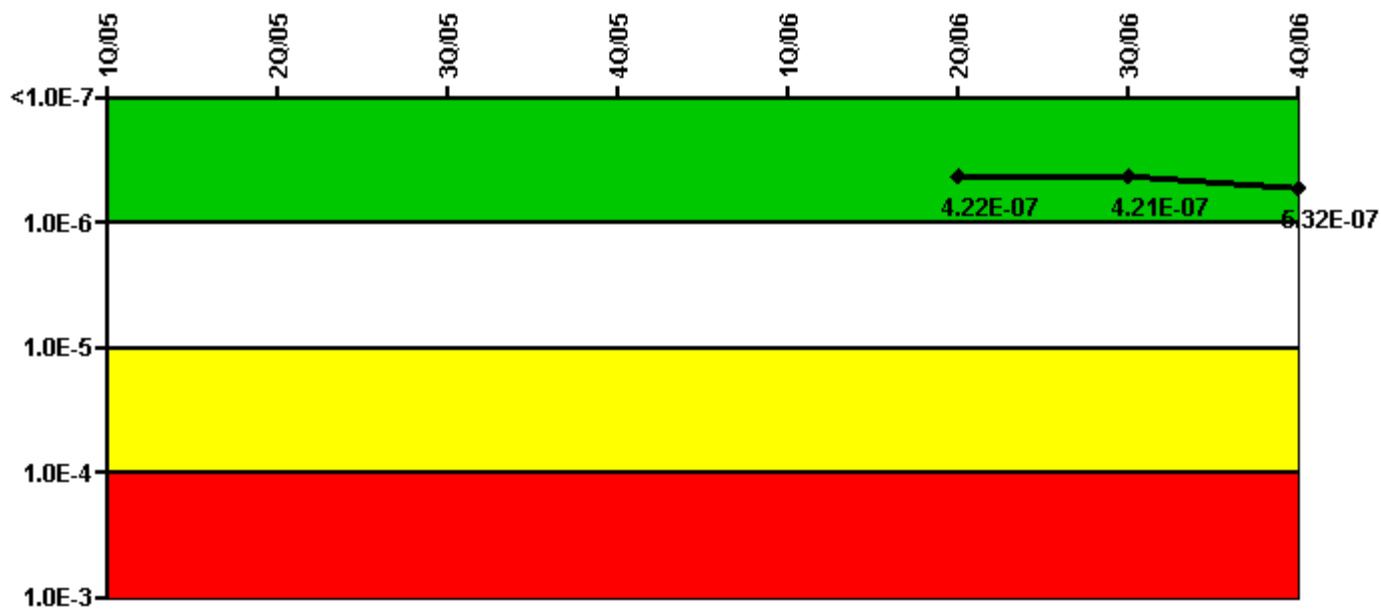
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



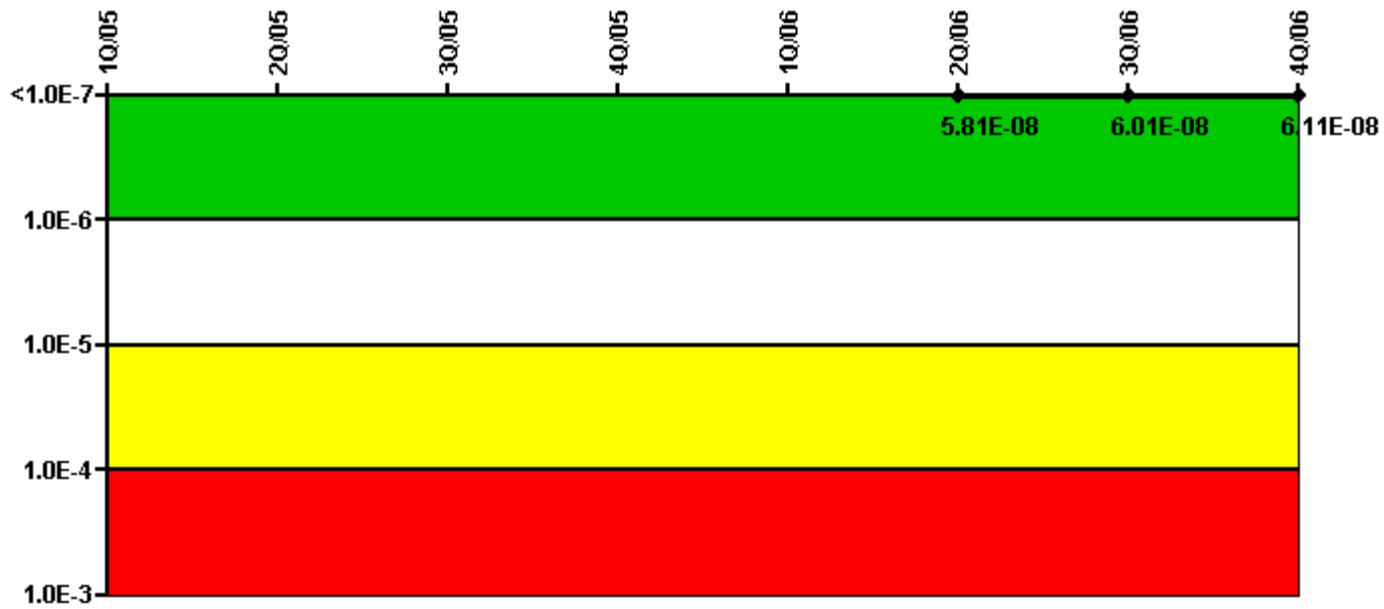
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-8.40E-09	-8.70E-09	-8.50E-09
URI (ΔCDF)						4.30E-07	4.30E-07	5.40E-07
PLE						NO	NO	NO
Indicator value						4.22E-07	4.21E-07	5.32E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



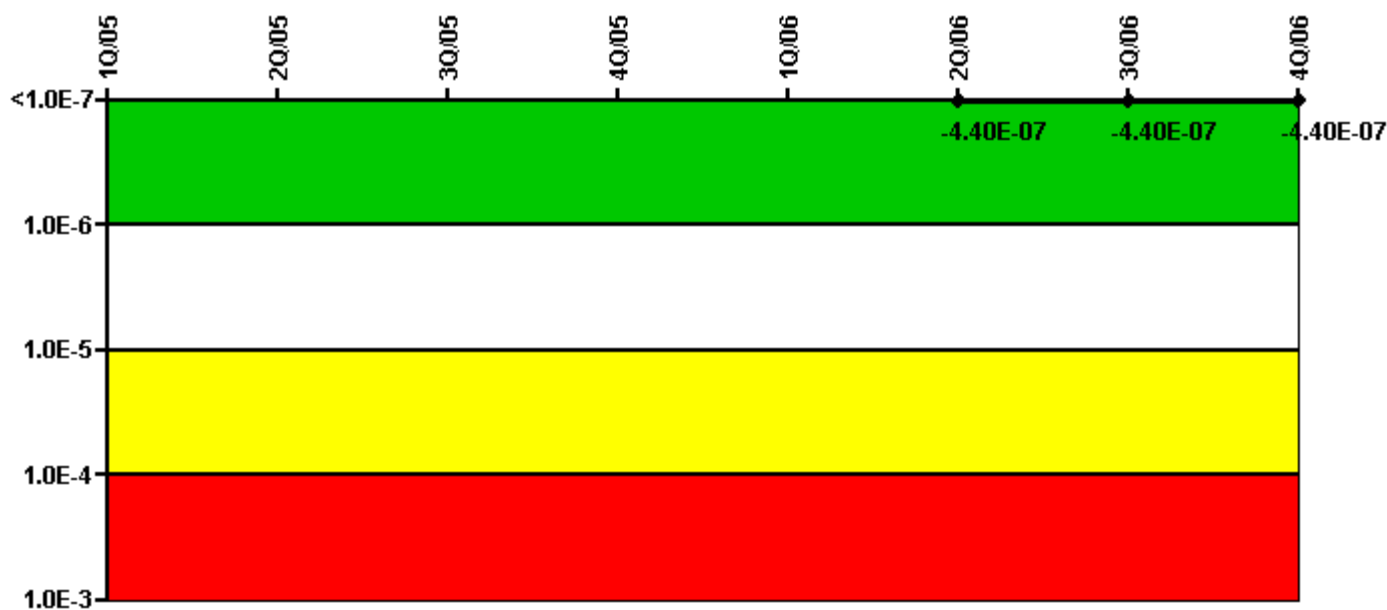
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						5.00E-08	5.20E-08	5.30E-08
URI (Δ CDF)						8.10E-09	8.10E-09	8.10E-09
PLE						NO	NO	NO
Indicator value						5.81E-08	6.01E-08	6.11E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



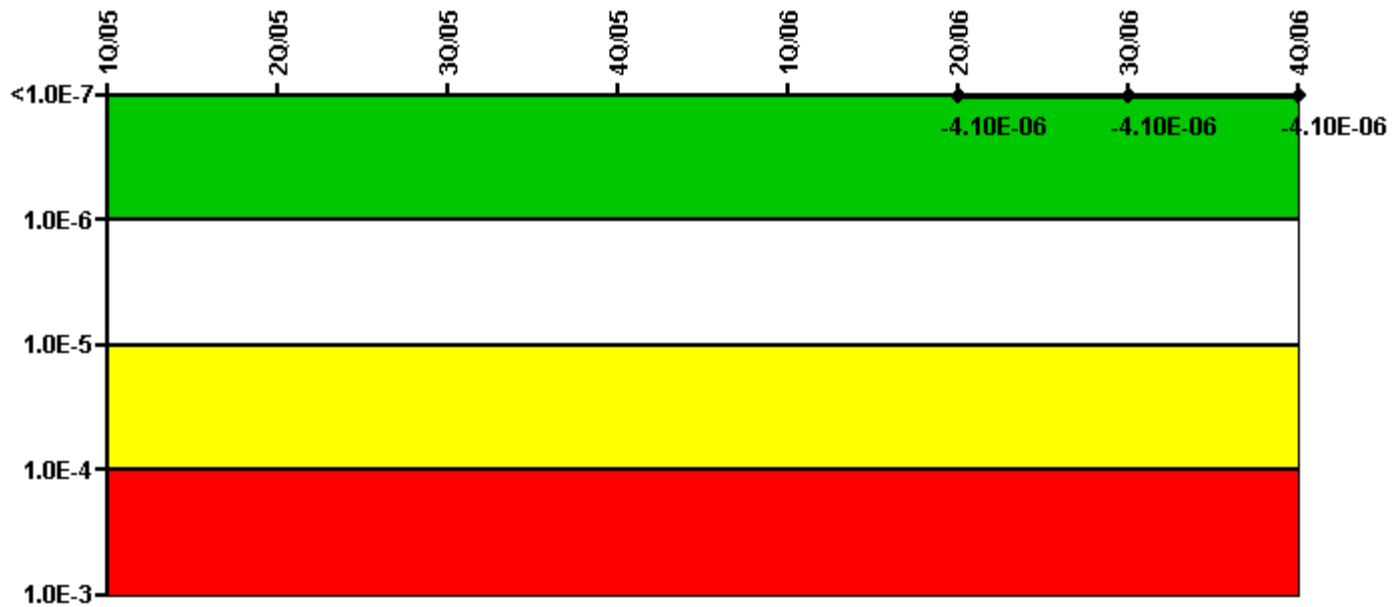
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-1.20E-07	-1.20E-07	-1.20E-07
URI (ΔCDF)						-3.20E-07	-3.20E-07	-3.20E-07
PLE						NO	NO	NO
Indicator value						-4.40E-07	-4.40E-07	-4.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



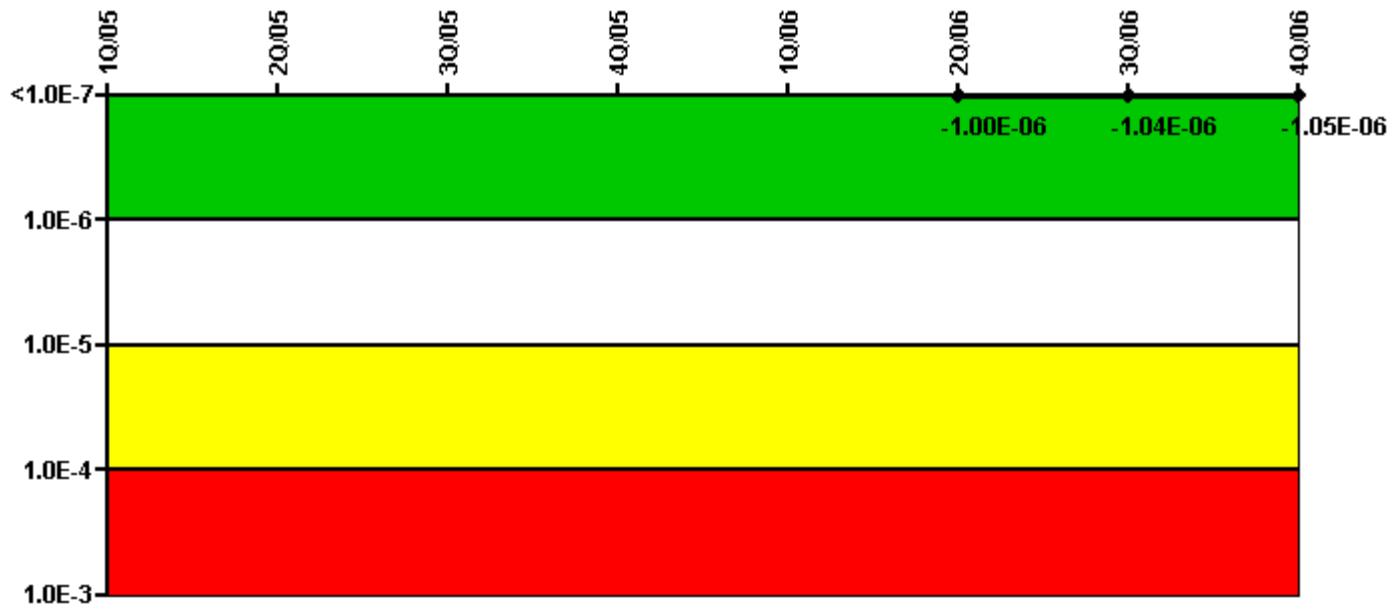
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						-2.60E-06	-2.60E-06	-2.60E-06
URI (Δ CDF)						-1.50E-06	-1.50E-06	-1.50E-06
PLE						NO	NO	NO
Indicator value						-4.10E-06	-4.10E-06	-4.10E-06

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



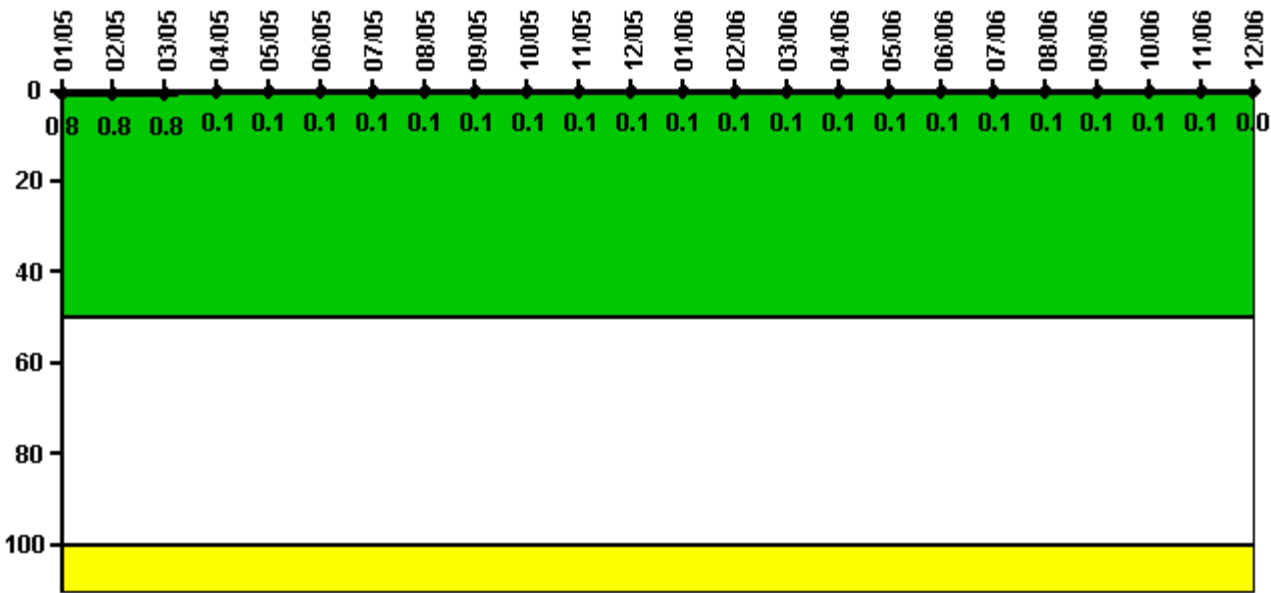
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-4.80E-07	-4.80E-07	-4.90E-07
URI (ΔCDF)						-5.20E-07	-5.60E-07	-5.60E-07
PLE						NO	NO	NO
Indicator value						-1.00E-06	-1.04E-06	-1.05E-06

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

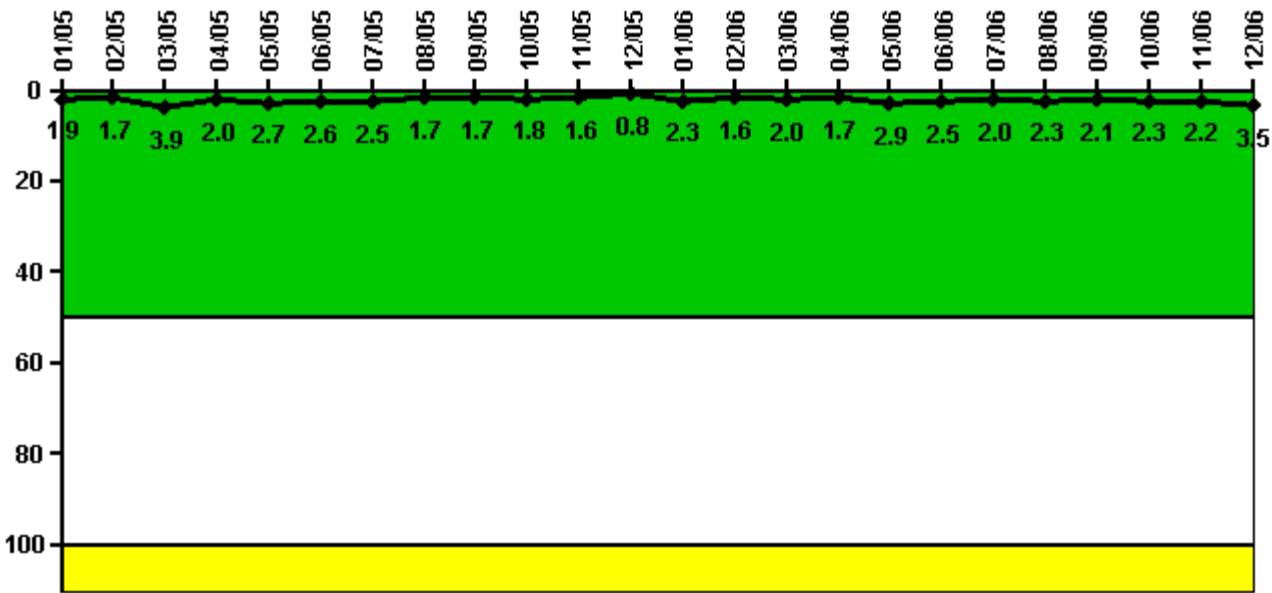
Notes

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.000515	0.000504	0.000530	0.000532	0.000467	0.000246	0.000255	0.000296	0.000288	0.000317	0.000316	0.000304
Technical specification limit	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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	0.000319	0.000341	0.000368	0.000364	0.000370	0.000408	0.000383	0.000415	0.000399	0.000427	0.000418	0
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



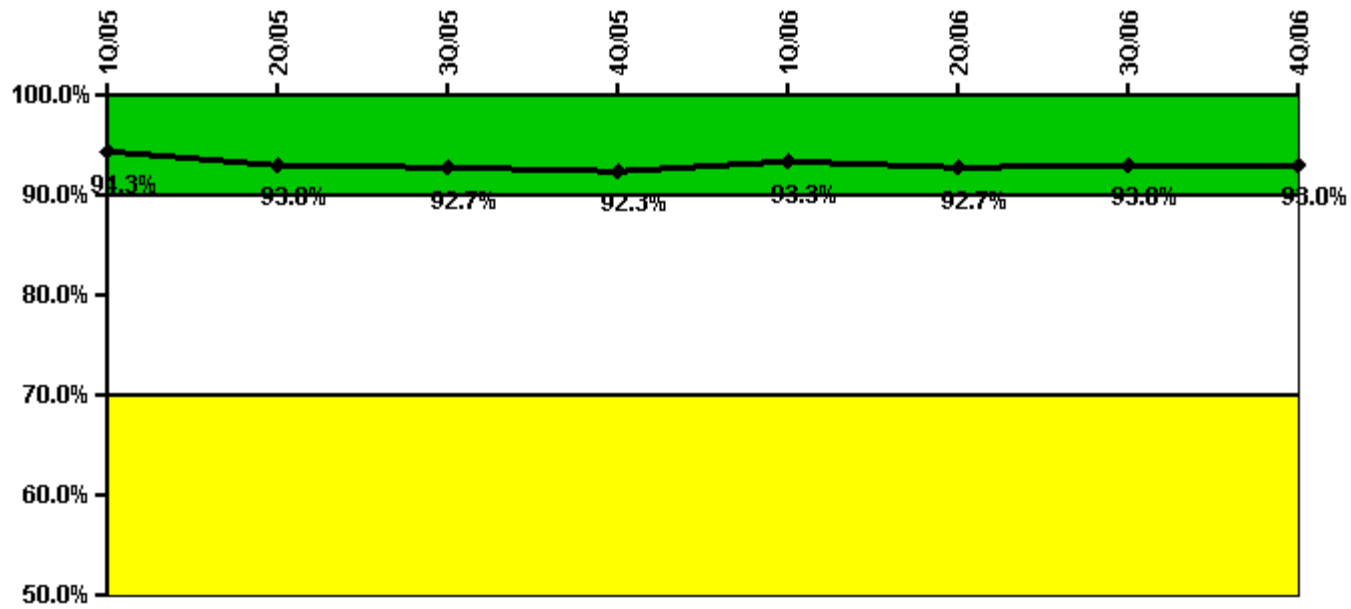
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.189	0.172	0.385	0.198	0.267	0.262	0.246	0.168	0.170	0.180	0.160	0.077
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	1.7	3.9	2.0	2.7	2.6	2.5	1.7	1.7	1.8	1.6	0.8
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.227	0.163	0.198	0.166	0.294	0.249	0.204	0.226	0.205	0.225	0.220	0.350
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	1.6	2.0	1.7	2.9	2.5	2.0	2.3	2.1	2.3	2.2	3.5

Licensee Comments: none

Drill/Exercise Performance



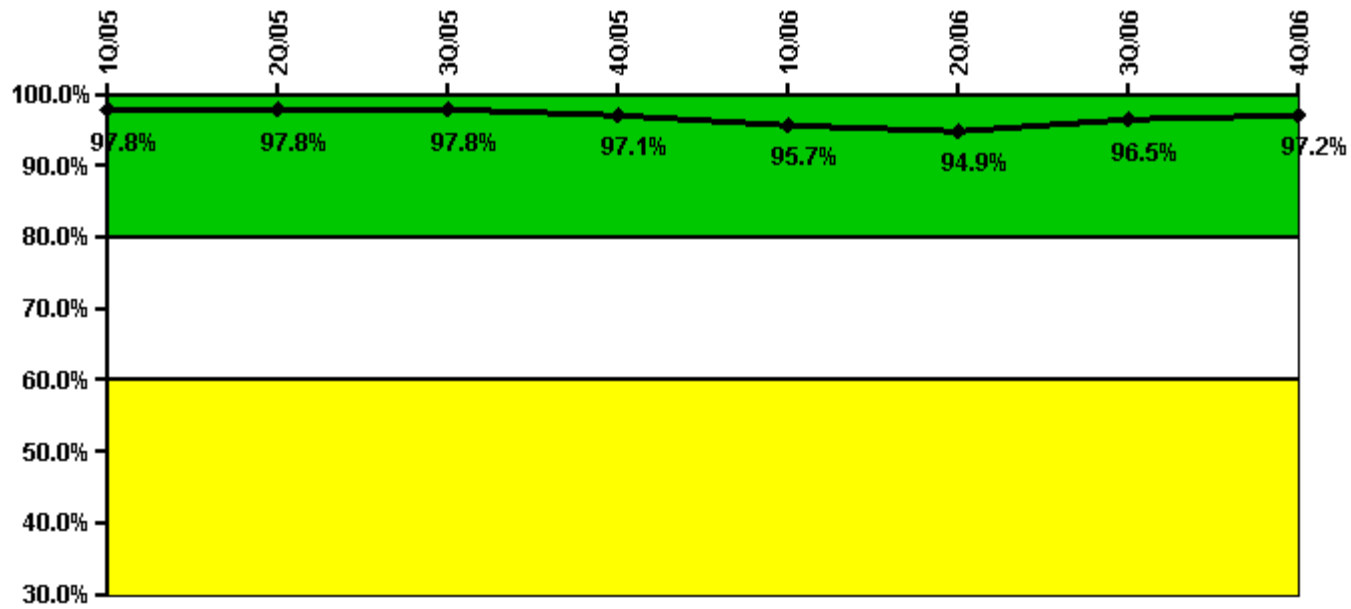
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	56.0	8.0	119.0	15.0	51.0	15.0	104.0	16.0
Total opportunities	62.0	8.0	125.0	16.0	52.0	18.0	116.0	16.0
Indicator value	94.3%	93.0%	92.7%	92.3%	93.3%	92.7%	93.0%	93.0%

Licensee Comments: none

ERO Drill Participation



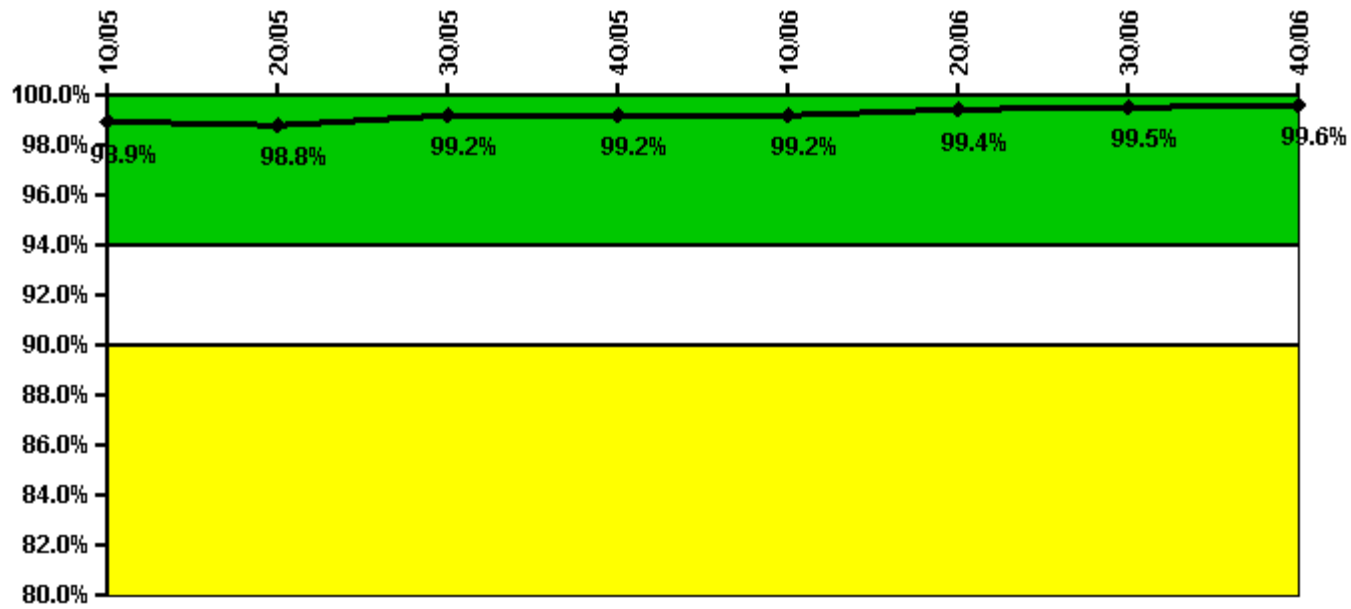
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	134.0	133.0	131.0	132.0	132.0	131.0	138.0	138.0
Total Key personnel	137.0	136.0	134.0	136.0	138.0	138.0	143.0	142.0
Indicator value	97.8%	97.8%	97.8%	97.1%	95.7%	94.9%	96.5%	97.2%

Licensee Comments: none

Alert & Notification System



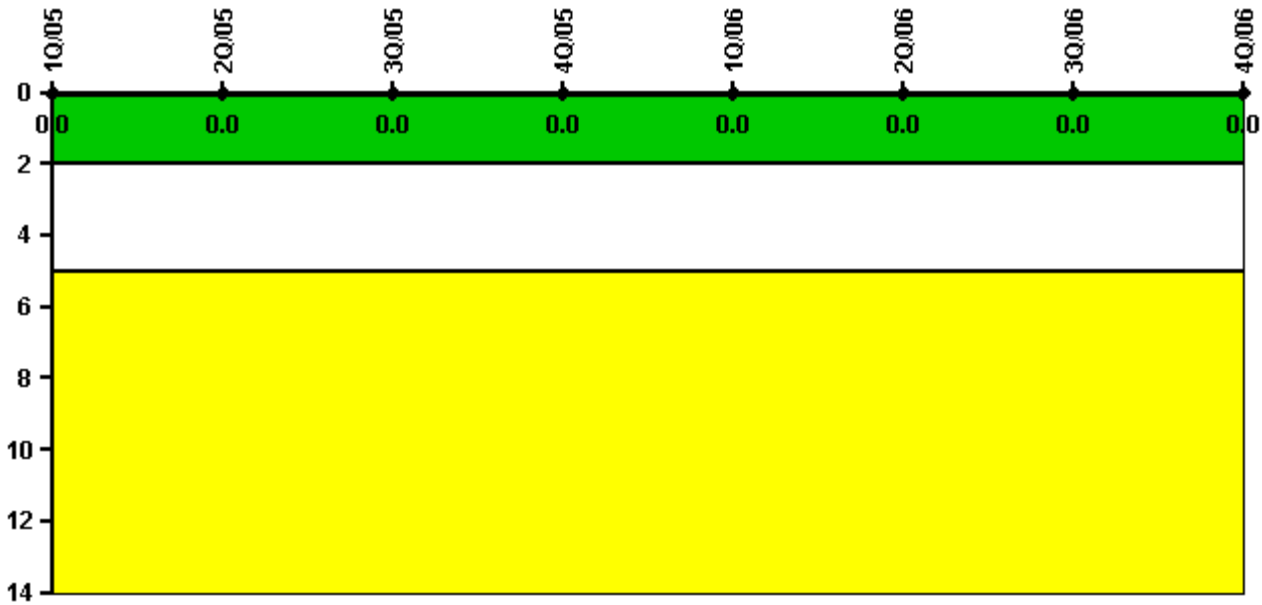
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	2391	2376	2377	2319	2396	2392	2393	2395
Total sirens-tests	2403	2403	2403	2335	2403	2403	2403	2403
Indicator value	98.9%	98.8%	99.2%	99.2%	99.2%	99.4%	99.5%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



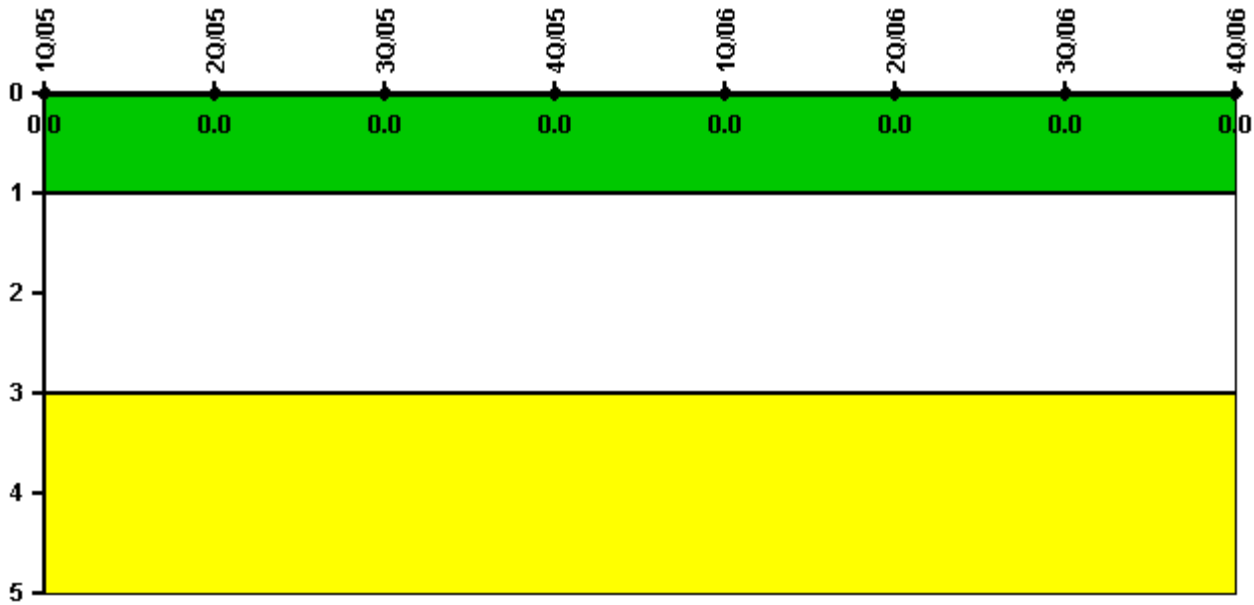
Thresholds: White > 2.0 Yellow > 5.0

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

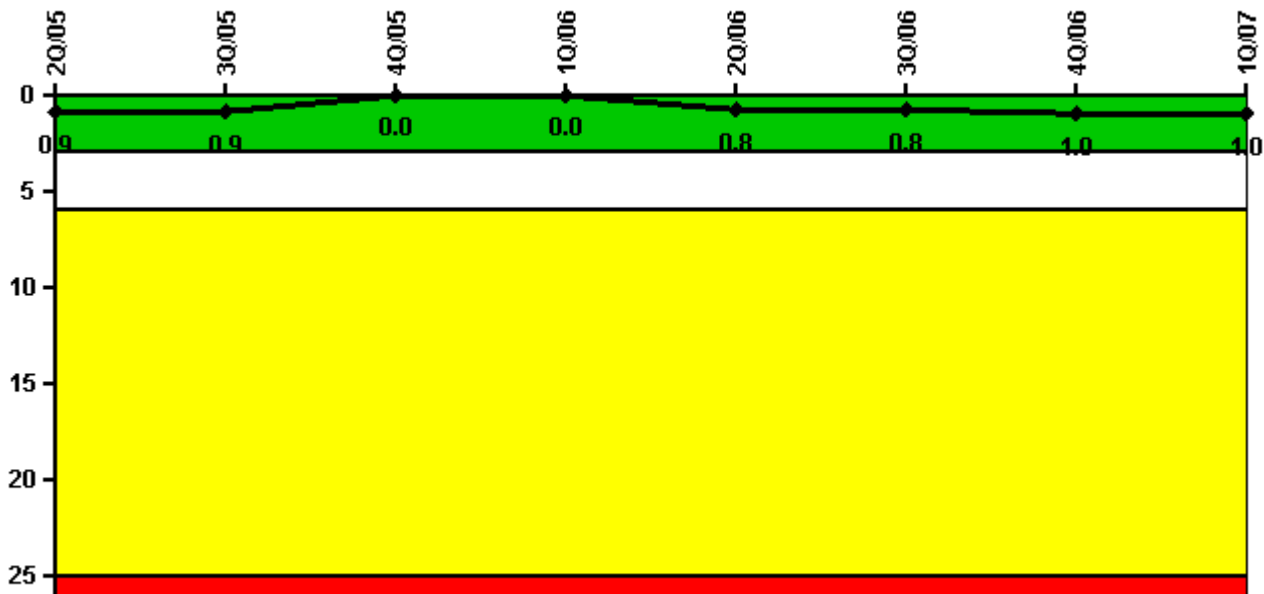
[Physical Protection](#) information not publicly available.

Catawba 1

1Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



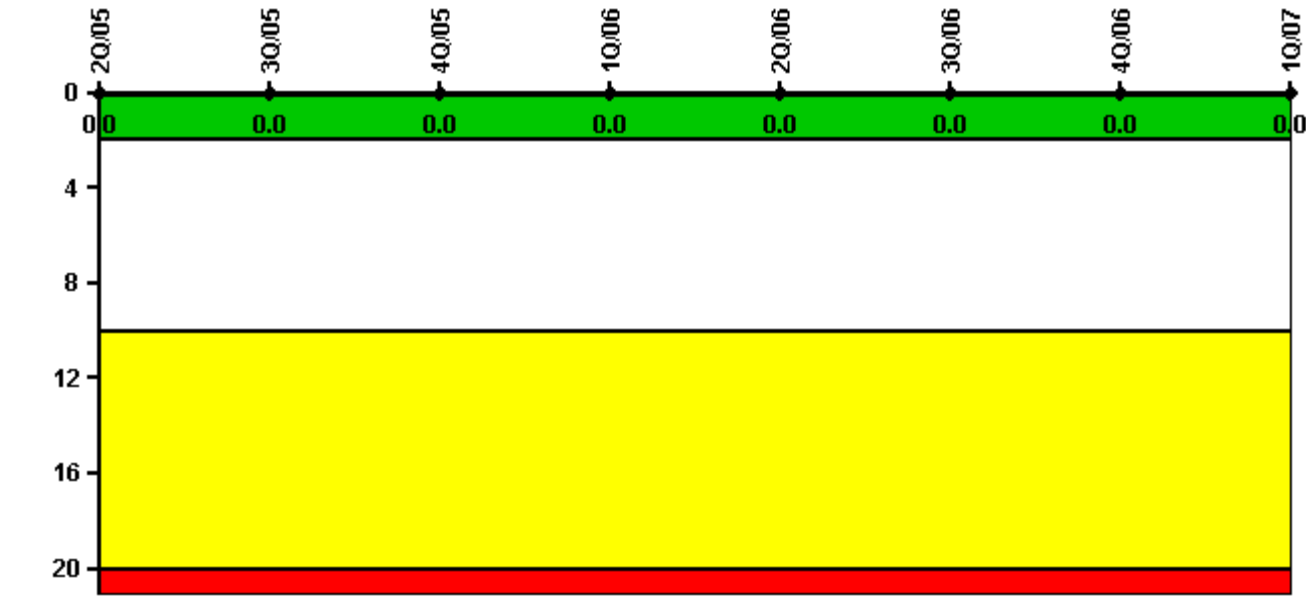
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	1482.4	2208.0	2209.0	2160.0	1674.8	2208.0	1043.6	2159.0
Indicator value	0.9	0.9	0	0	0.8	0.8	1.0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



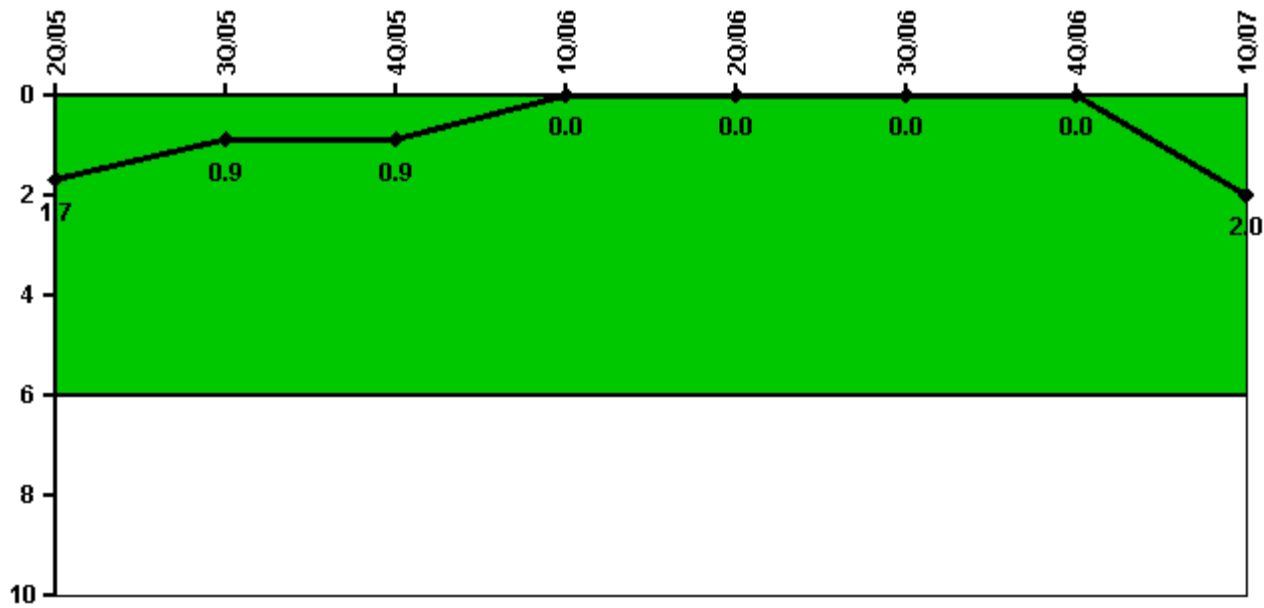
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

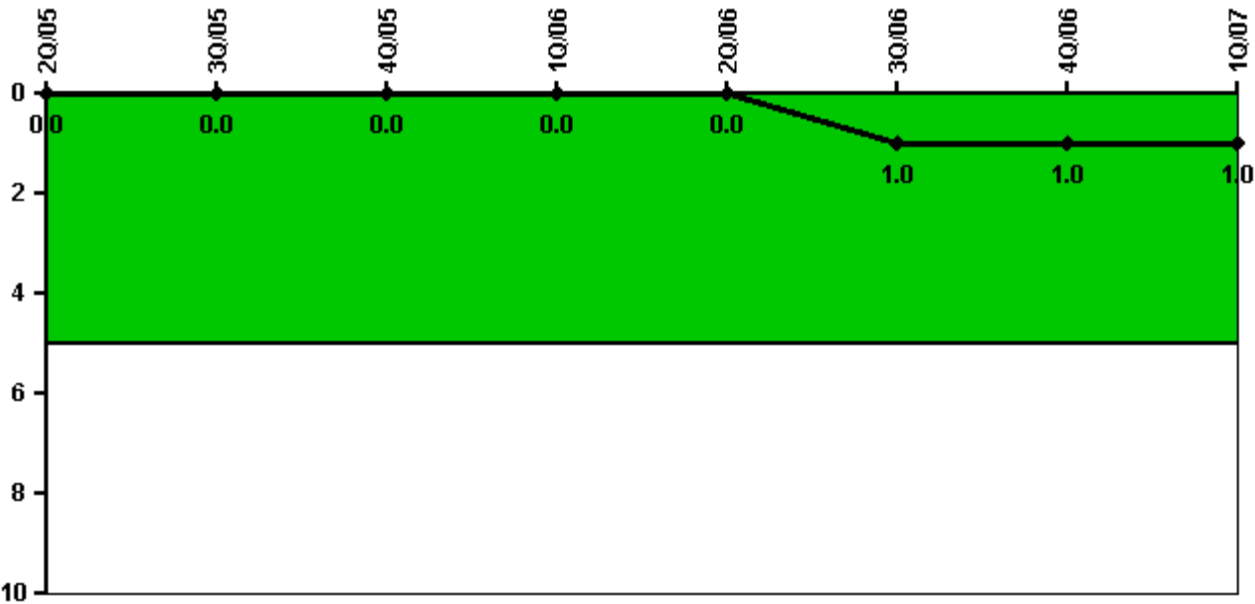
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	0	0	0	0	2.0
Critical hours	1482.4	2208.0	2209.0	2160.0	1674.8	2208.0	1043.6	2159.0
Indicator value	1.7	0.9	0.9	0	0	0	0	2.0

Licensee Comments:

1Q/07: Power reduced from 100% to 10% in January to perform maintenance on 1C S/G main steam isolation valve. Power reduced from 100% to 15% in March to perform maintenance on main turbine combined intercept valve #3.

Safety System Functional Failures (PWR)



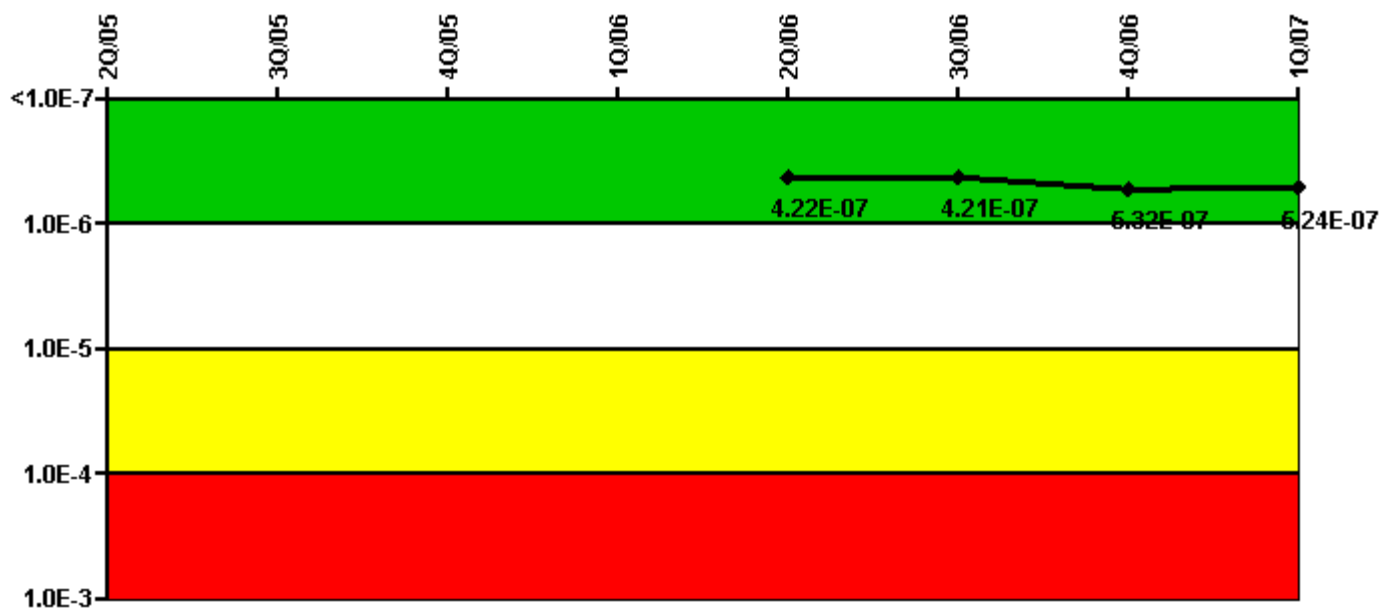
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



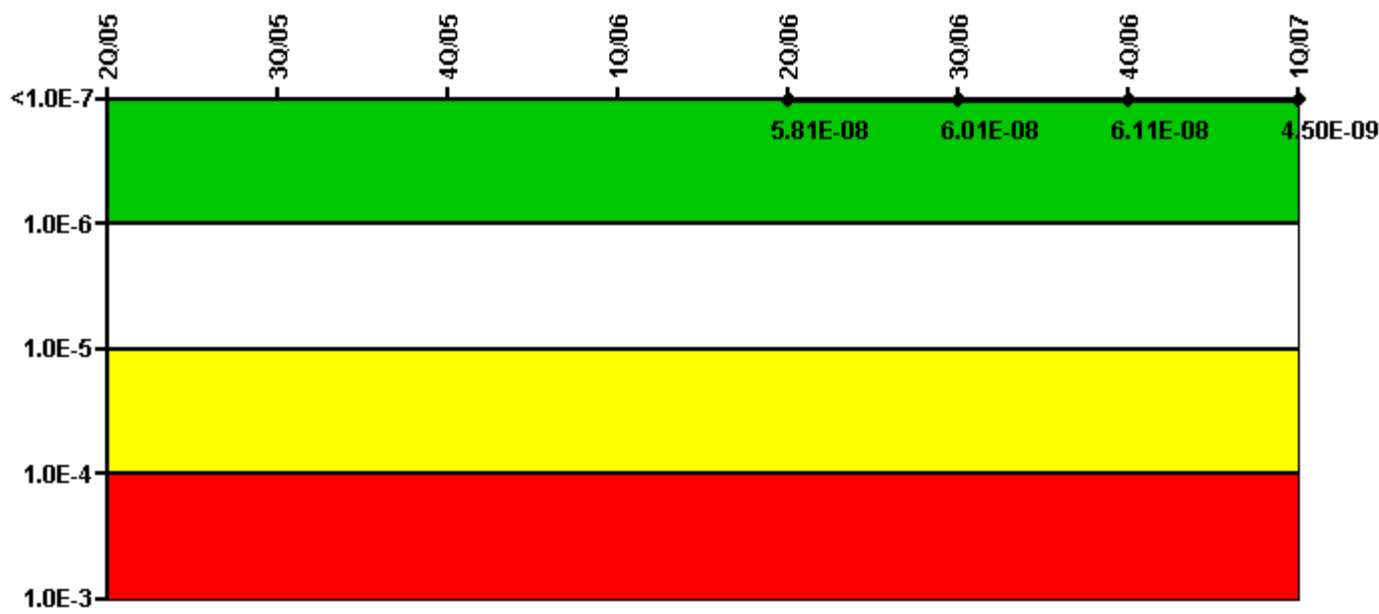
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-8.40E-09	-8.70E-09	-8.50E-09	-1.60E-08
URI (ΔCDF)					4.30E-07	4.30E-07	5.40E-07	5.40E-07
PLE					NO	NO	NO	NO
Indicator value					4.22E-07	4.21E-07	5.32E-07	5.24E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



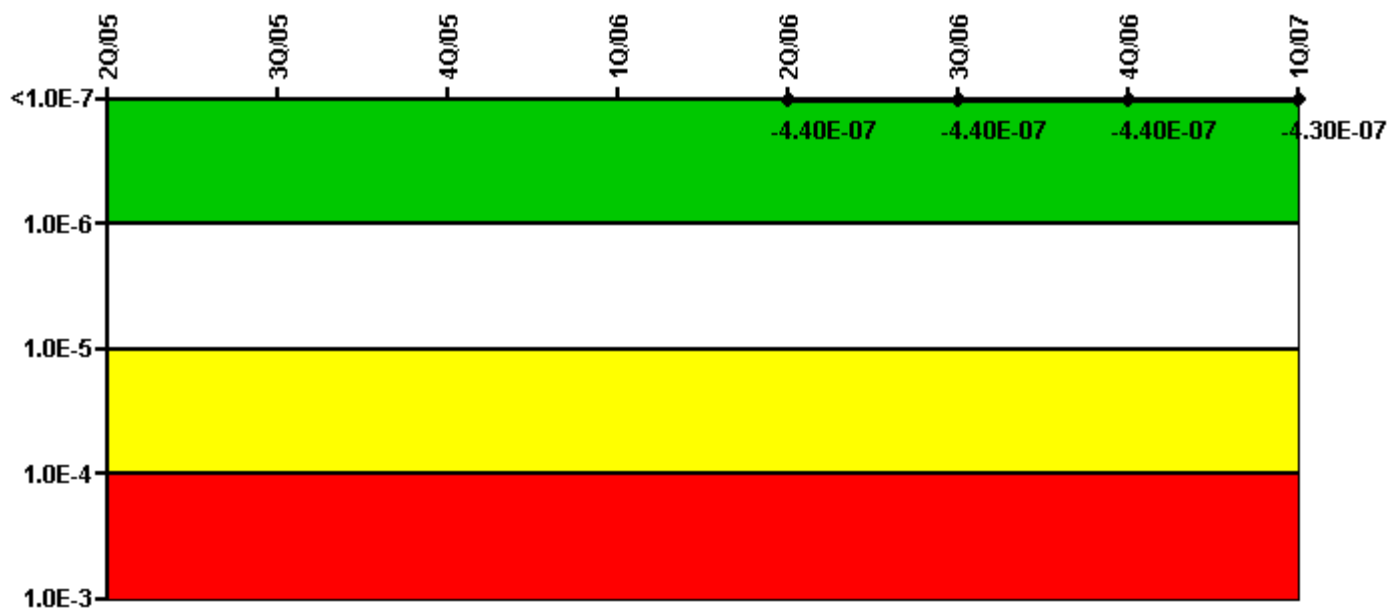
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ACDF)					5.00E-08	5.20E-08	5.30E-08	-3.60E-09
URI (ACDF)					8.10E-09	8.10E-09	8.10E-09	8.10E-09
PLE					NO	NO	NO	NO
Indicator value					5.81E-08	6.01E-08	6.11E-08	4.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



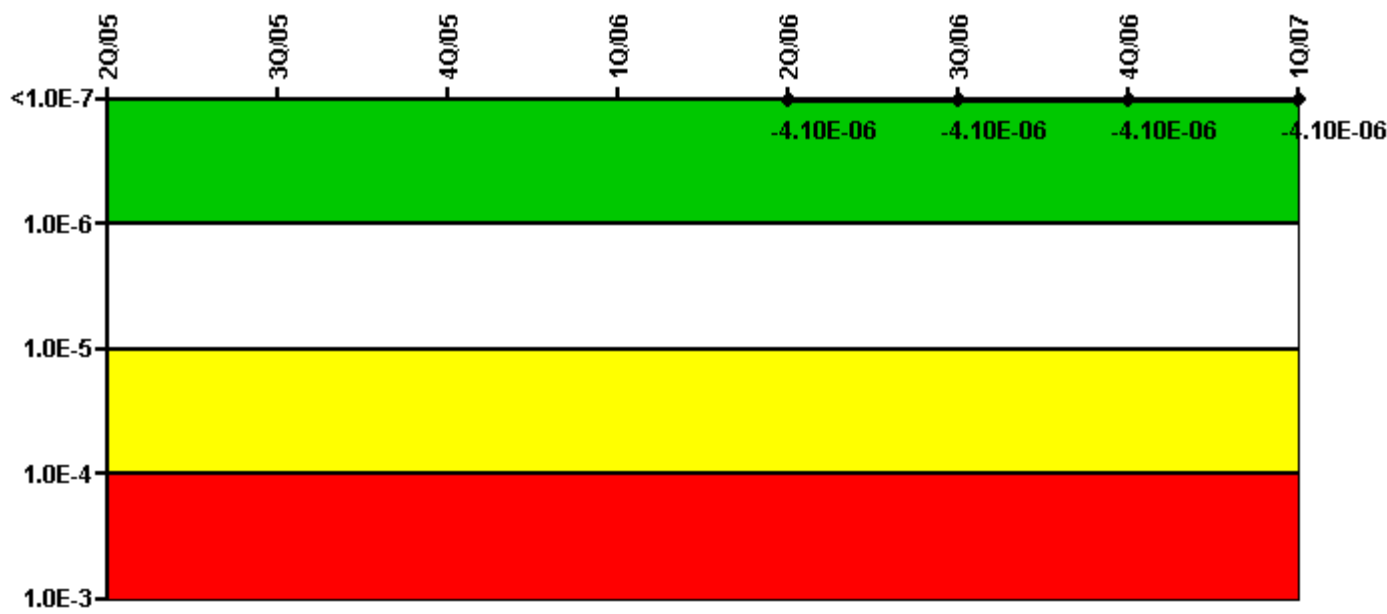
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07
URI (ΔCDF)					-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07
PLE					NO	NO	NO	NO
Indicator value					-4.40E-07	-4.40E-07	-4.40E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



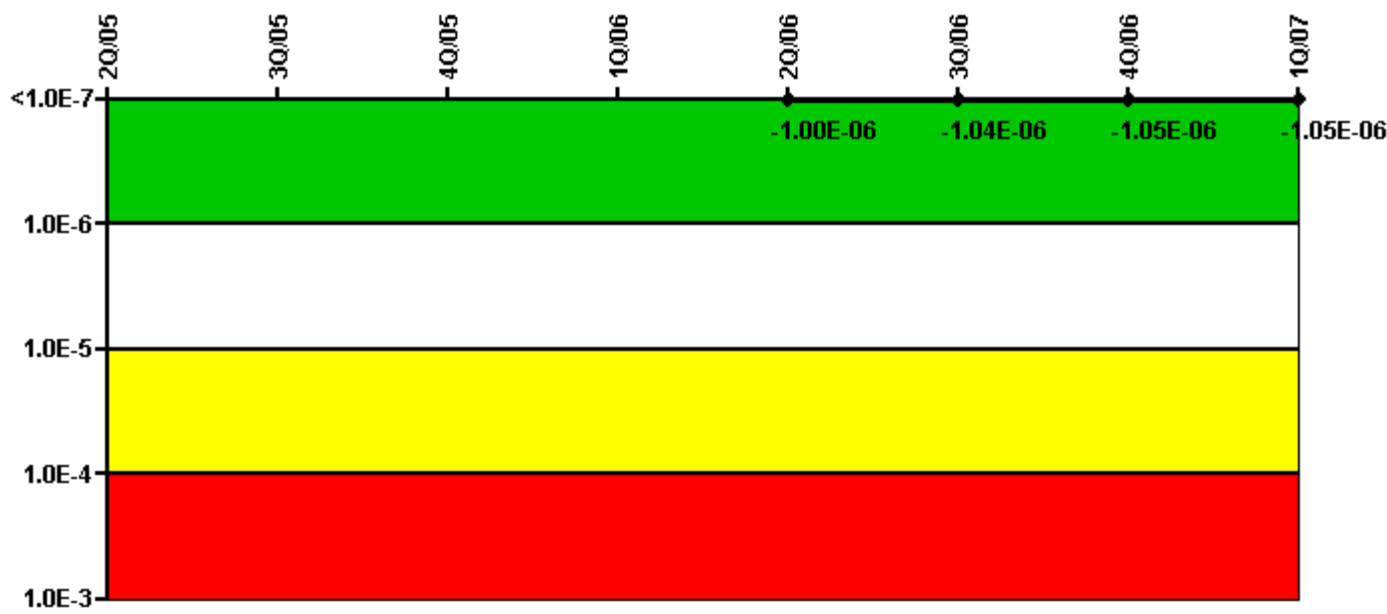
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-2.60E-06	-2.60E-06	-2.60E-06	-2.60E-06
URI (ΔCDF)					-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06
PLE					NO	NO	NO	NO
Indicator value					-4.10E-06	-4.10E-06	-4.10E-06	-4.10E-06

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



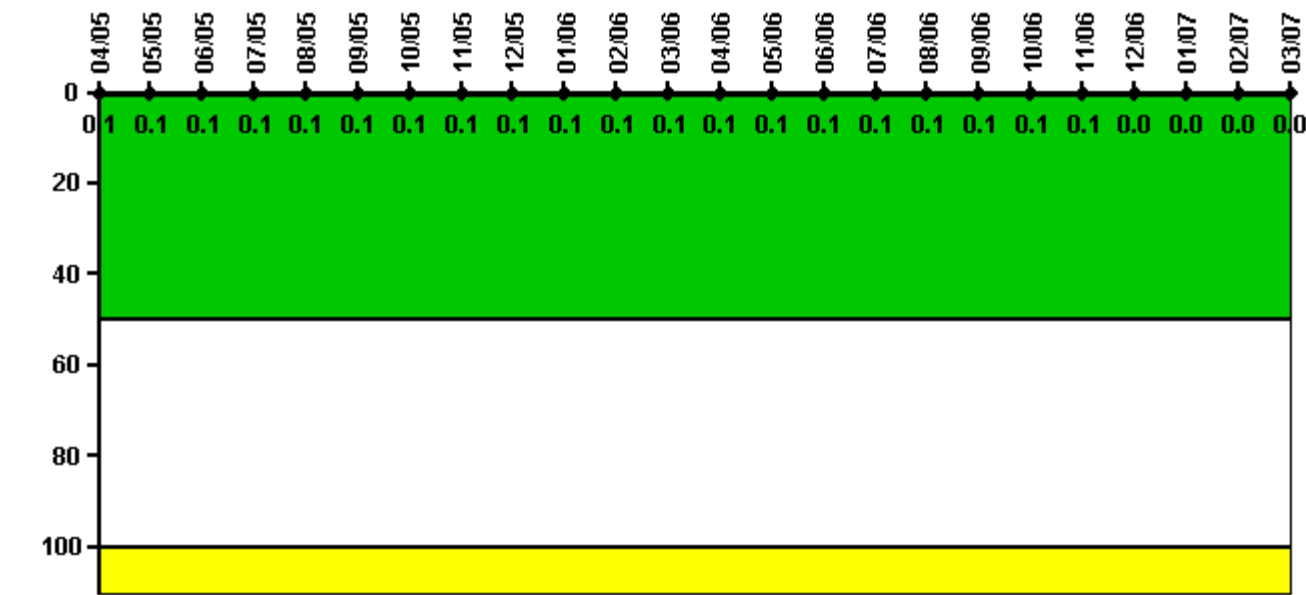
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)					-4.80E-07	-4.80E-07	-4.90E-07	-4.90E-07
URI (ΔCDF)					-5.20E-07	-5.60E-07	-5.60E-07	-5.60E-07
PLE					NO	NO	NO	NO
Indicator value					-1.00E-06	-1.04E-06	-1.05E-06	-1.05E-06

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

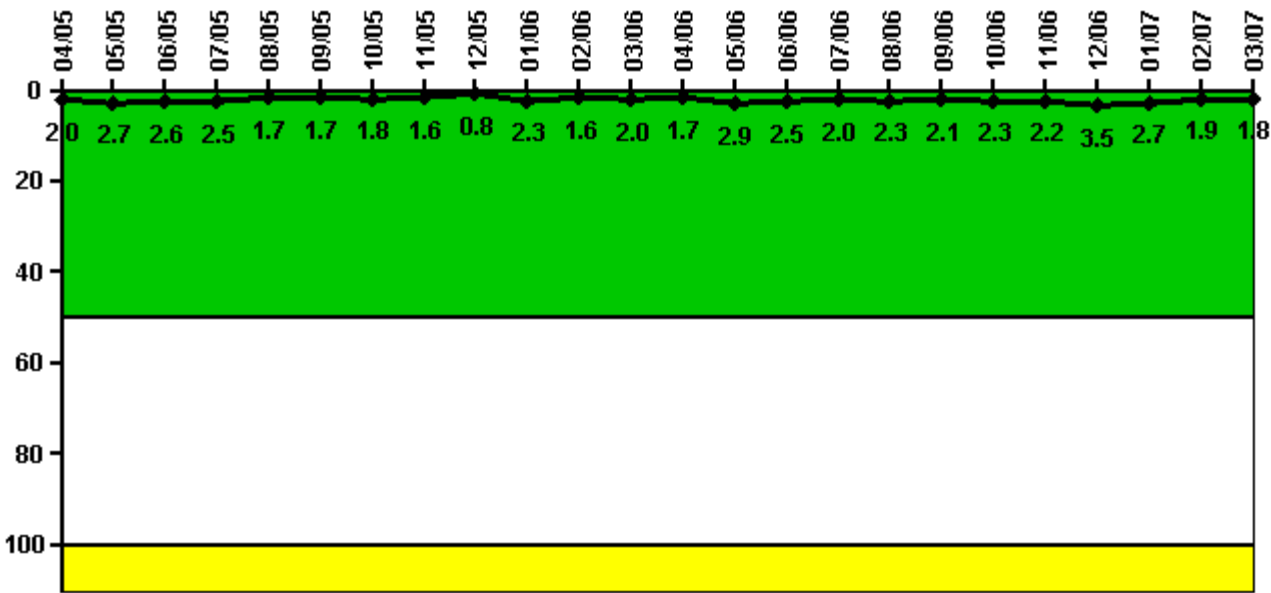
Notes

Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0.000532	0.000467	0.000246	0.000255	0.000296	0.000288	0.000317	0.000316	0.000304	0.000319	0.000341	0.000368
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.000364	0.000370	0.000408	0.000383	0.000415	0.000399	0.000427	0.000418	0	0.000225	0.000203	0.000215
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

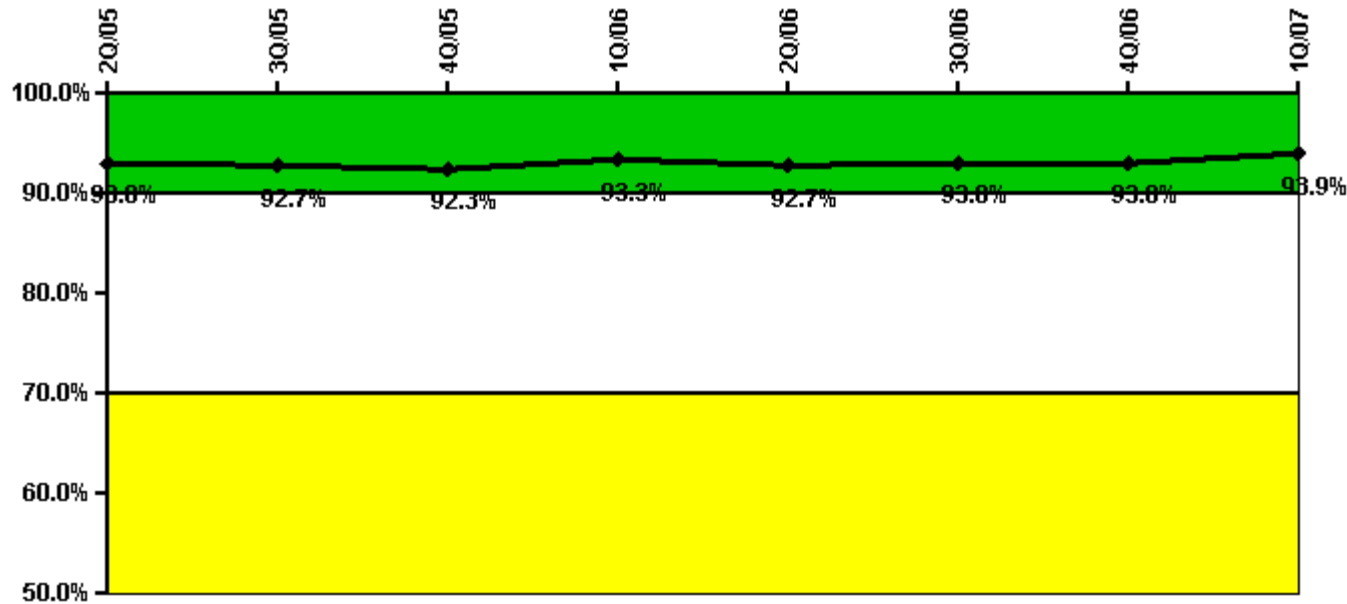
Notes

Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.198	0.267	0.262	0.246	0.168	0.170	0.180	0.160	0.077	0.227	0.163	0.198
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	2.7	2.6	2.5	1.7	1.7	1.8	1.6	0.8	2.3	1.6	2.0

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.166	0.294	0.249	0.204	0.226	0.205	0.225	0.220	0.350	0.272	0.193	0.184
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.7	2.9	2.5	2.0	2.3	2.1	2.3	2.2	3.5	2.7	1.9	1.8

Licensee Comments: none

Drill/Exercise Performance



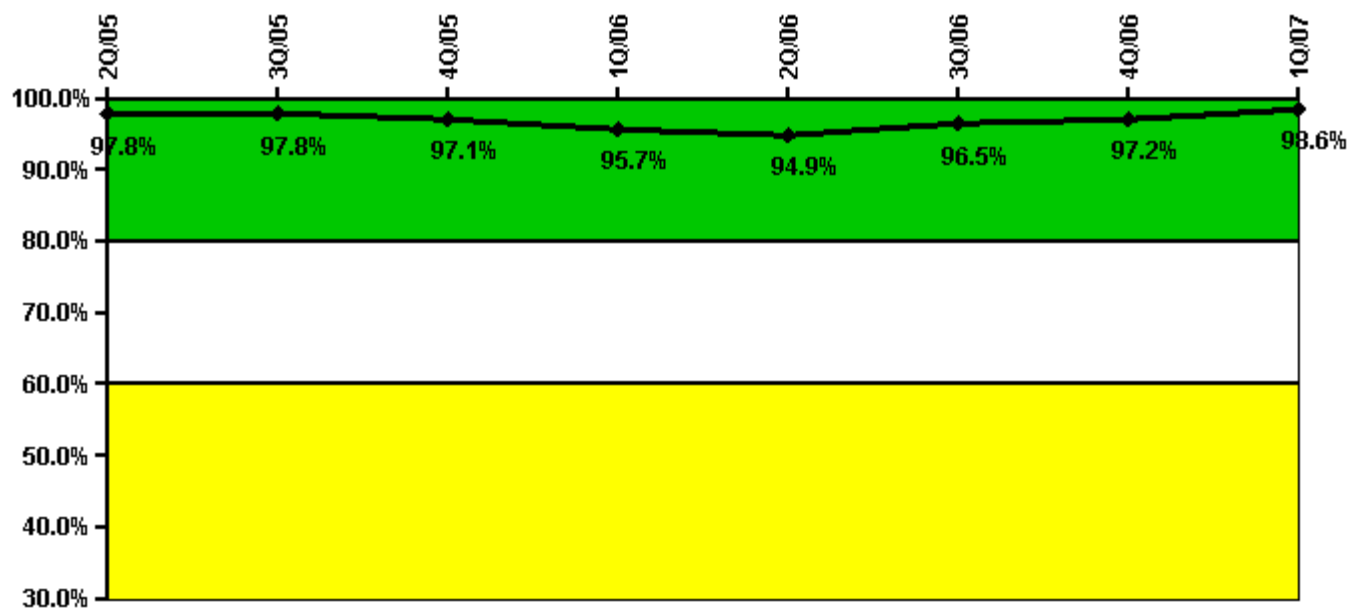
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	8.0	119.0	15.0	51.0	15.0	104.0	16.0	73.0
Total opportunities	8.0	125.0	16.0	52.0	18.0	116.0	16.0	76.0
Indicator value	93.0%	92.7%	92.3%	93.3%	92.7%	93.0%	93.0%	93.9%

Licensee Comments: none

ERO Drill Participation



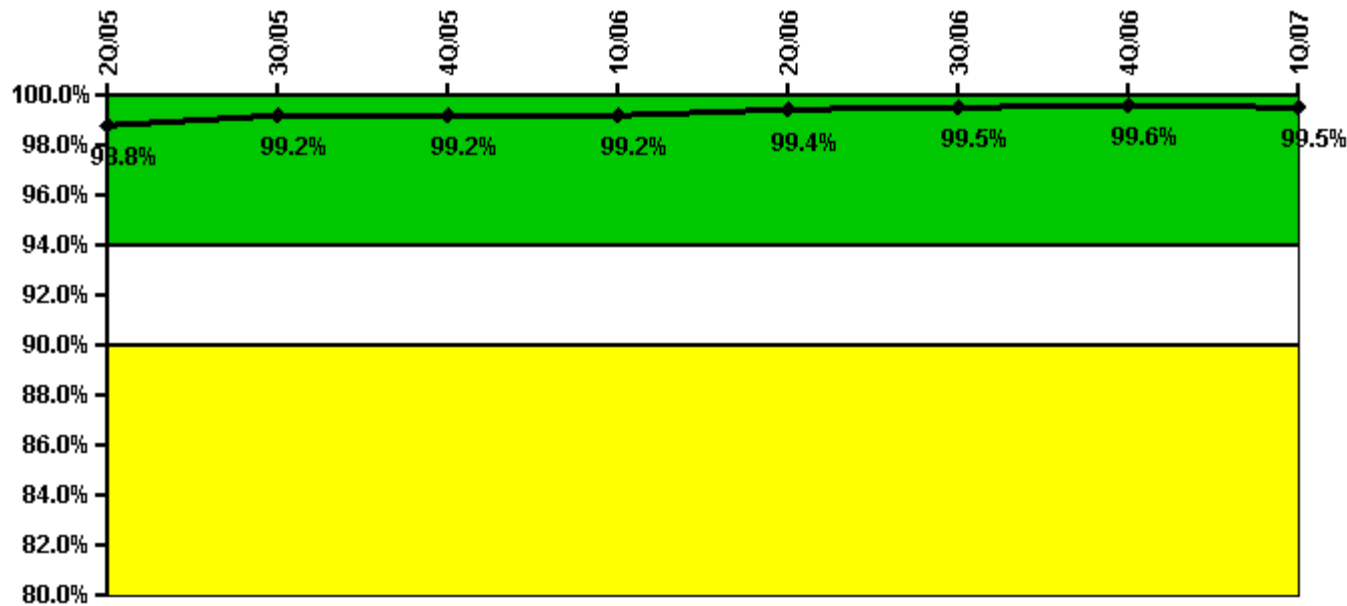
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	133.0	131.0	132.0	132.0	131.0	138.0	138.0	140.0
Total Key personnel	136.0	134.0	136.0	138.0	138.0	143.0	142.0	142.0
Indicator value	97.8%	97.8%	97.1%	95.7%	94.9%	96.5%	97.2%	98.6%

Licensee Comments: none

Alert & Notification System



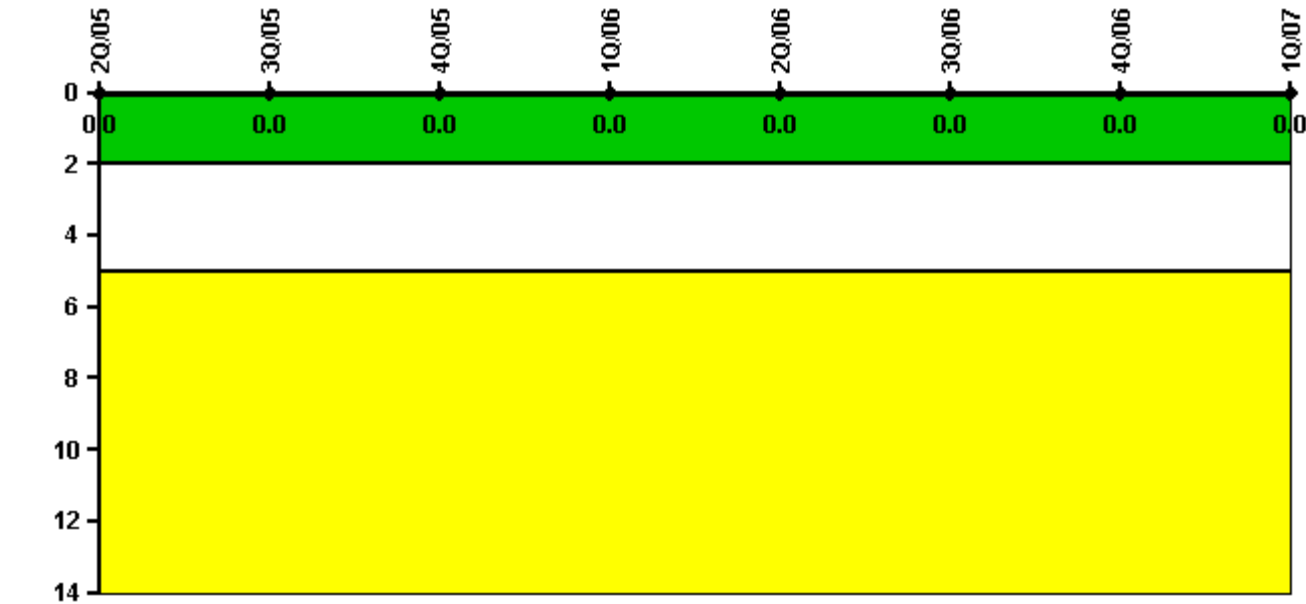
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	2376	2377	2319	2396	2392	2393	2395	2383
Total sirens-tests	2403	2403	2335	2403	2403	2403	2403	2403
Indicator value	98.8%	99.2%	99.2%	99.2%	99.4%	99.5%	99.6%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



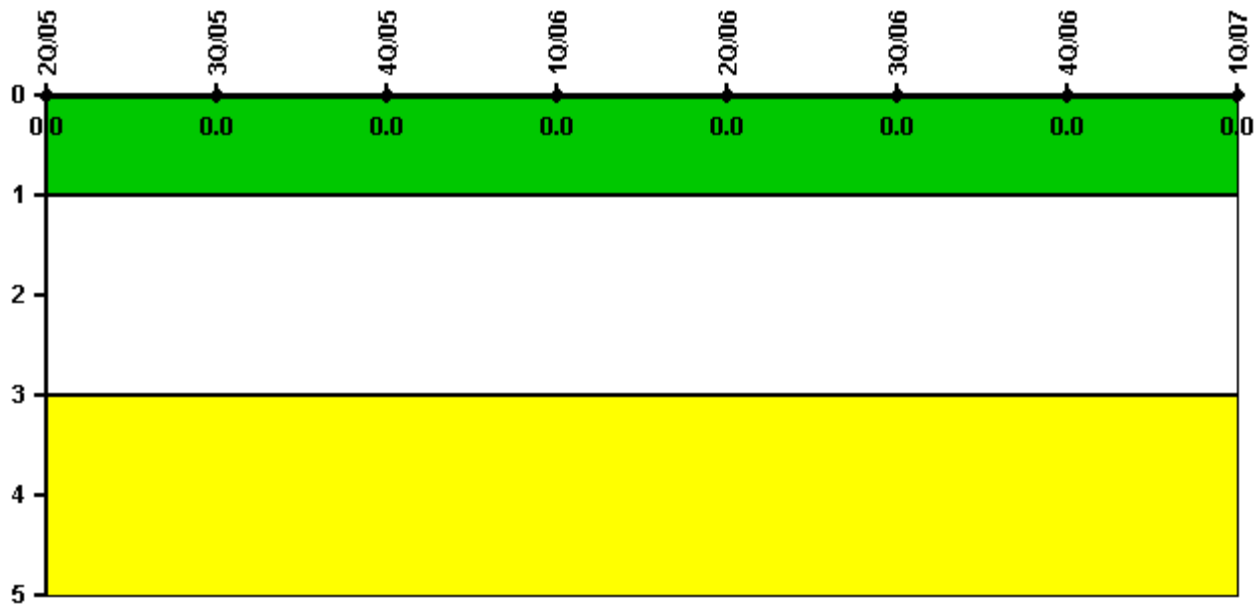
Thresholds: White > 2.0 Yellow > 5.0

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](#)

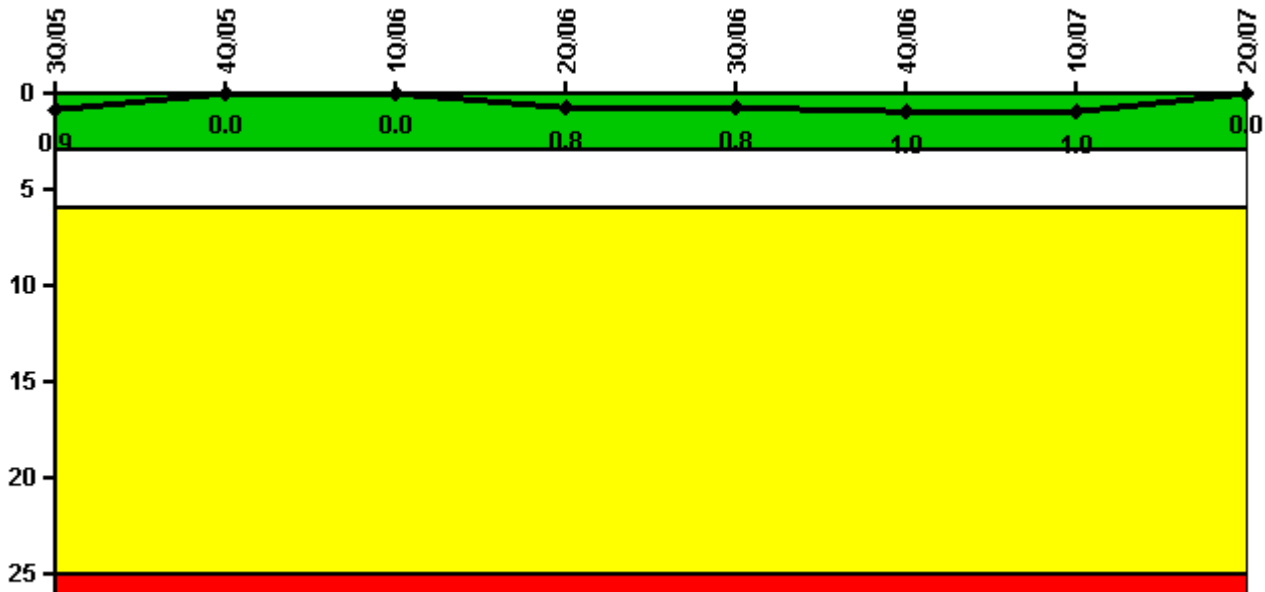
Last Modified: June 1, 2007

Catawba 1

2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



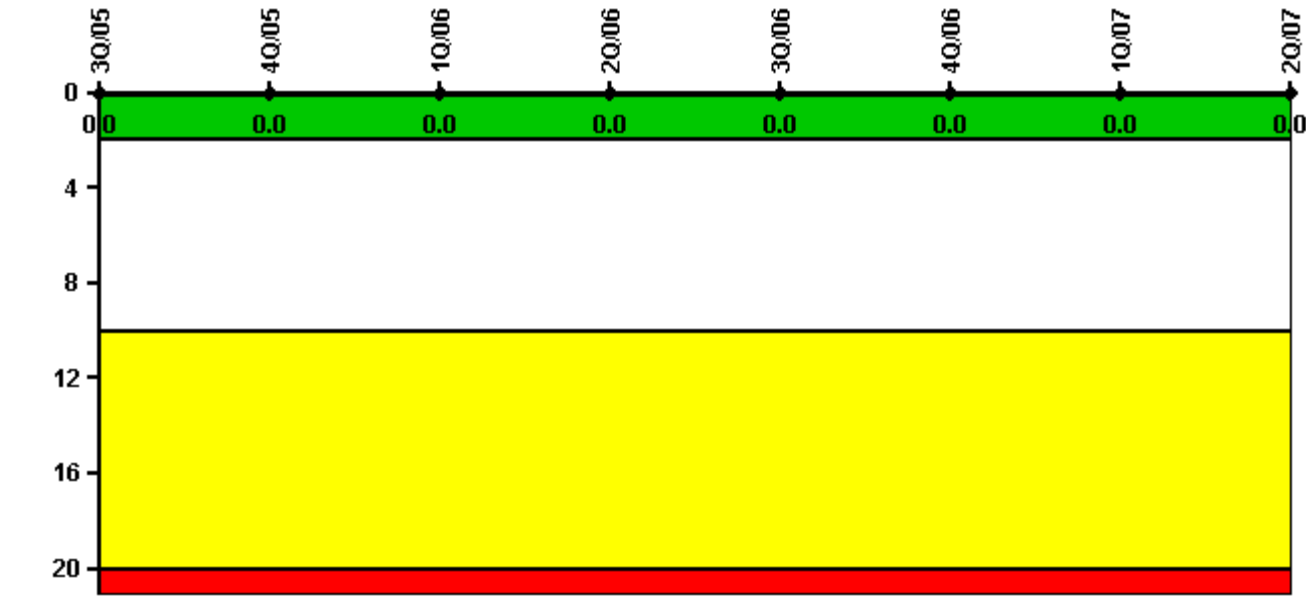
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1674.8	2208.0	1043.6	2159.0	2184.0
Indicator value	0.9	0	0	0.8	0.8	1.0	1.0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



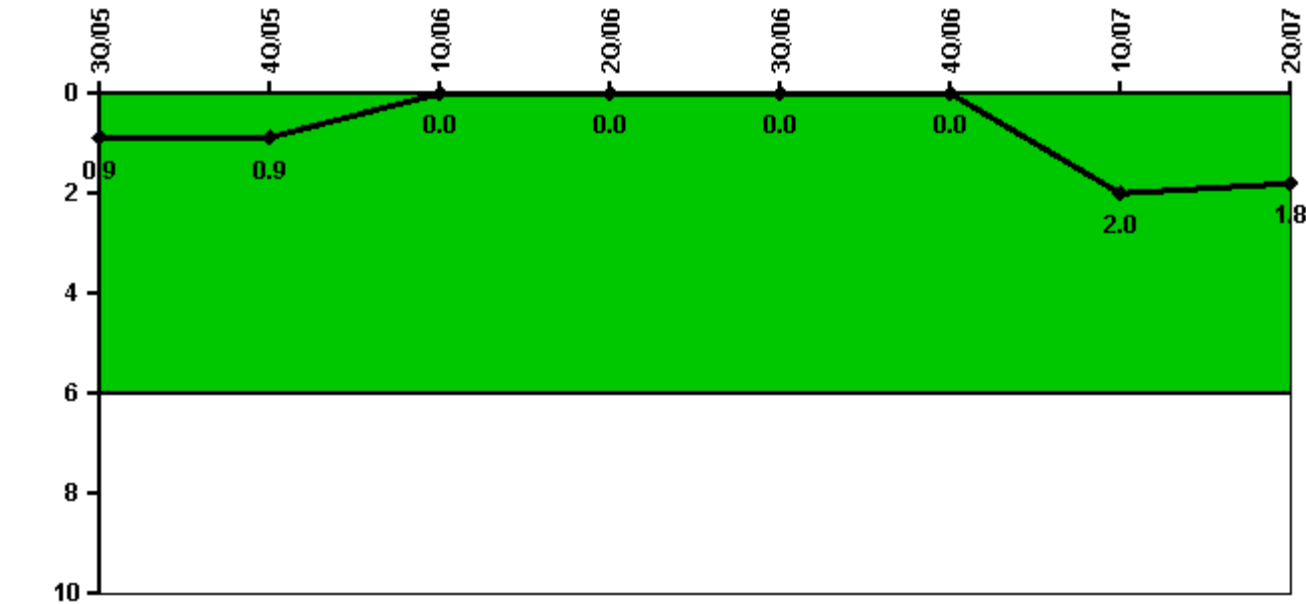
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



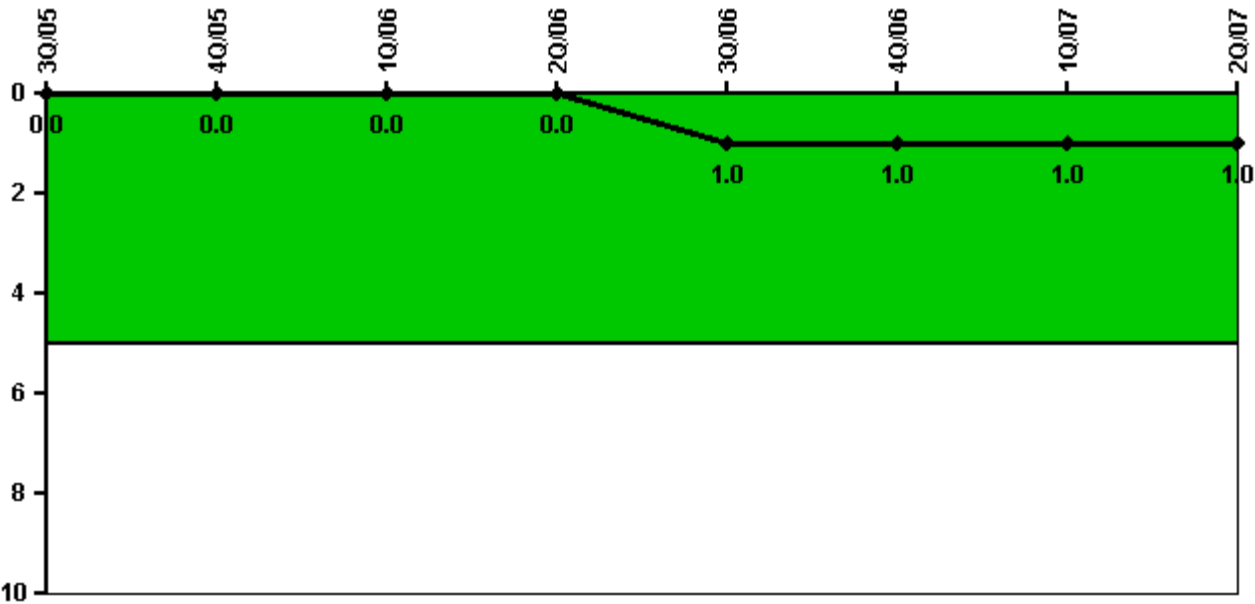
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	0	0	0	2.0	0
Critical hours	2208.0	2209.0	2160.0	1674.8	2208.0	1043.6	2159.0	2184.0
Indicator value	0.9	0.9	0	0	0	0	2.0	1.8

Licensee Comments: none

Safety System Functional Failures (PWR)



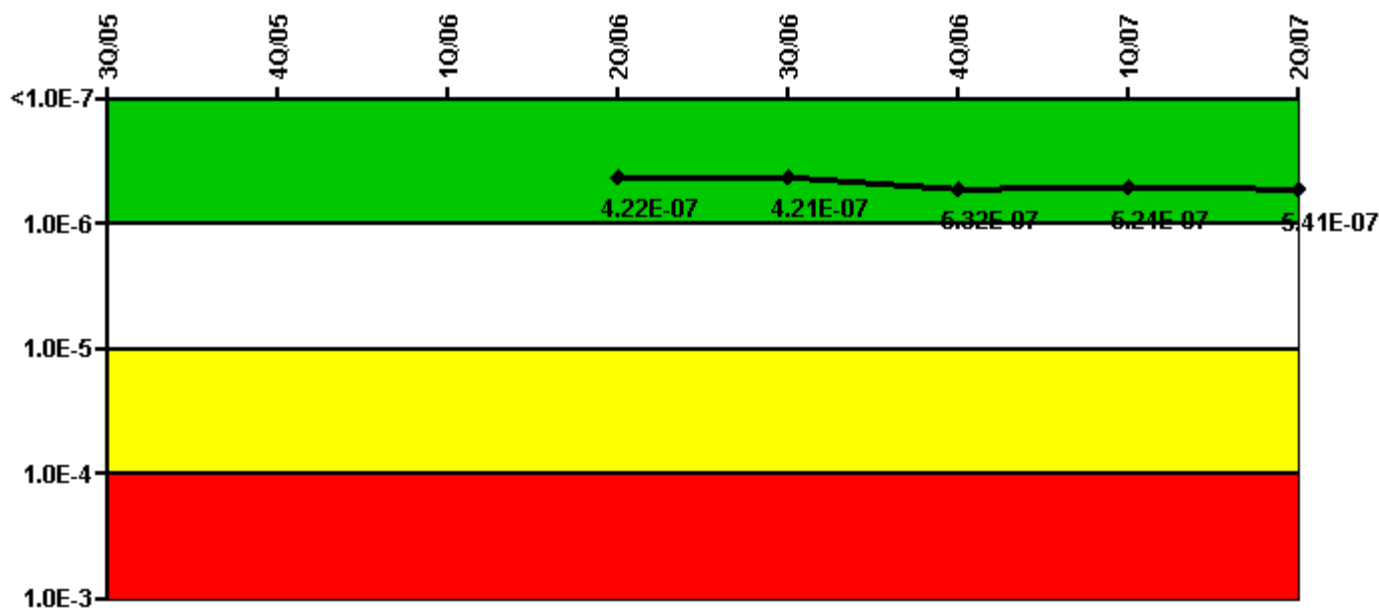
Thresholds: White > 5.0

Notes

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



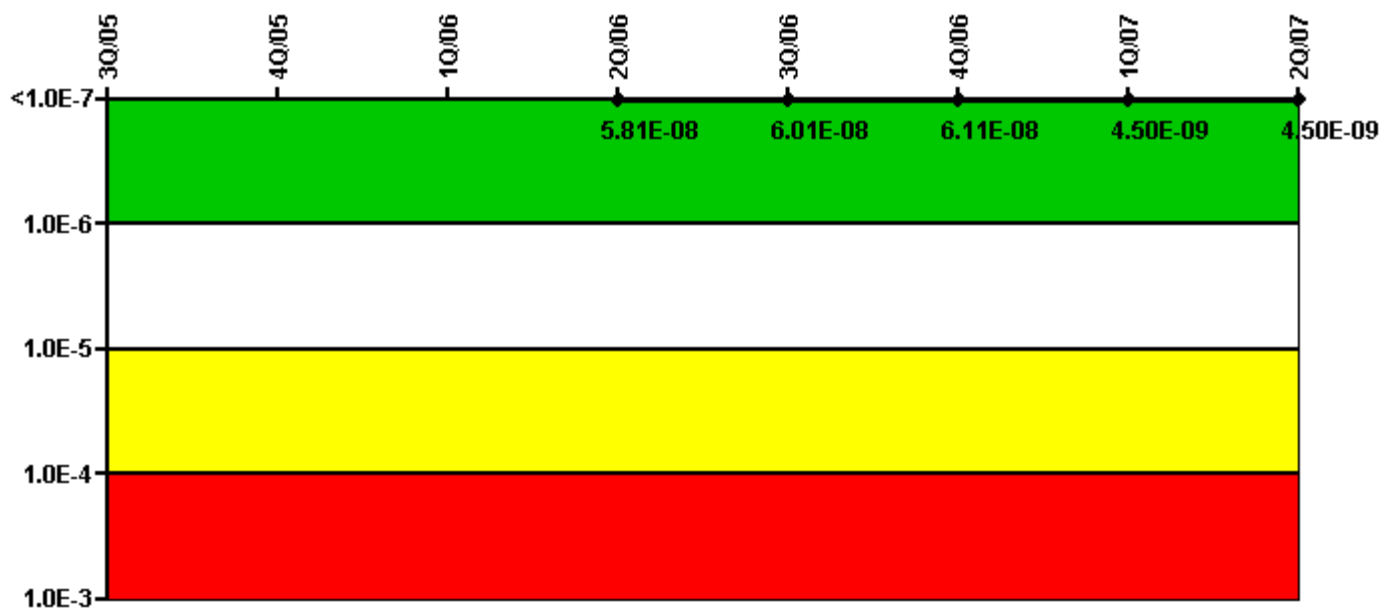
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-8.40E-09	-8.70E-09	-8.50E-09	-1.60E-08	1.10E-09
URI (ΔCDF)				4.30E-07	4.30E-07	5.40E-07	5.40E-07	5.40E-07
PLE				NO	NO	NO	NO	NO
Indicator value				4.22E-07	4.21E-07	5.32E-07	5.24E-07	5.41E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



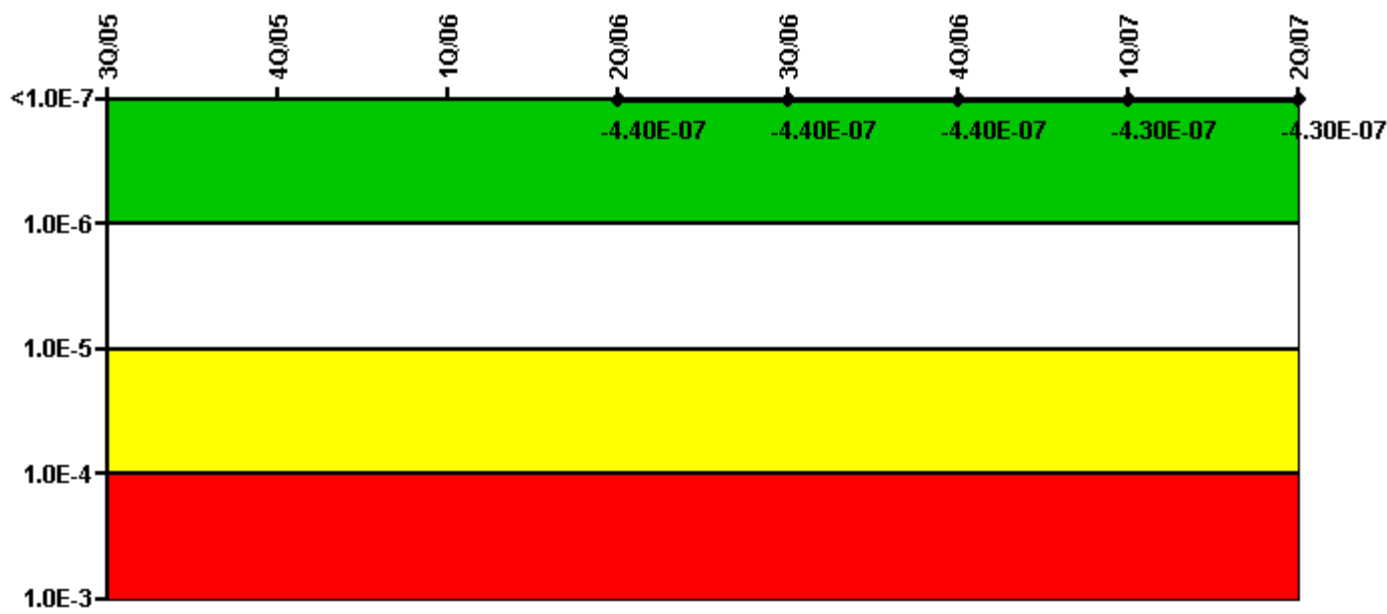
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ACDF)				5.00E-08	5.20E-08	5.30E-08	-3.60E-09	-3.60E-09
URI (ACDF)				8.10E-09	8.10E-09	8.10E-09	8.10E-09	8.10E-09
PLE				NO	NO	NO	NO	NO
Indicator value				5.81E-08	6.01E-08	6.11E-08	4.50E-09	4.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



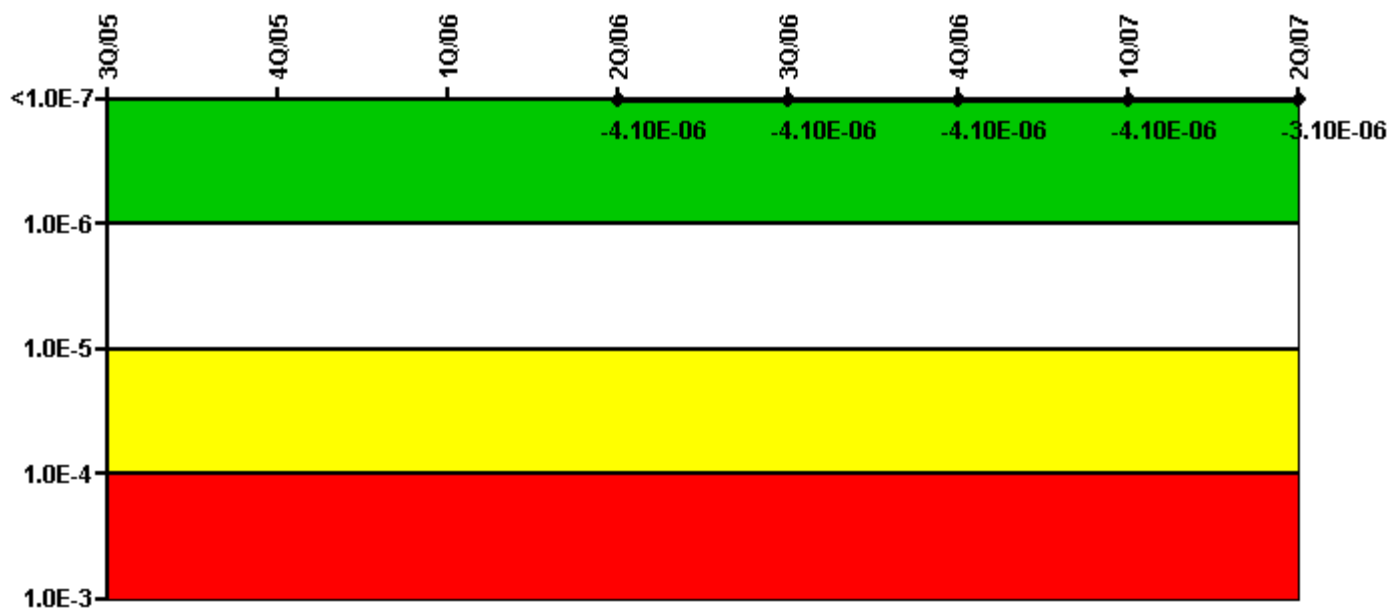
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)				-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-4.40E-07	-4.40E-07	-4.40E-07	-4.30E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



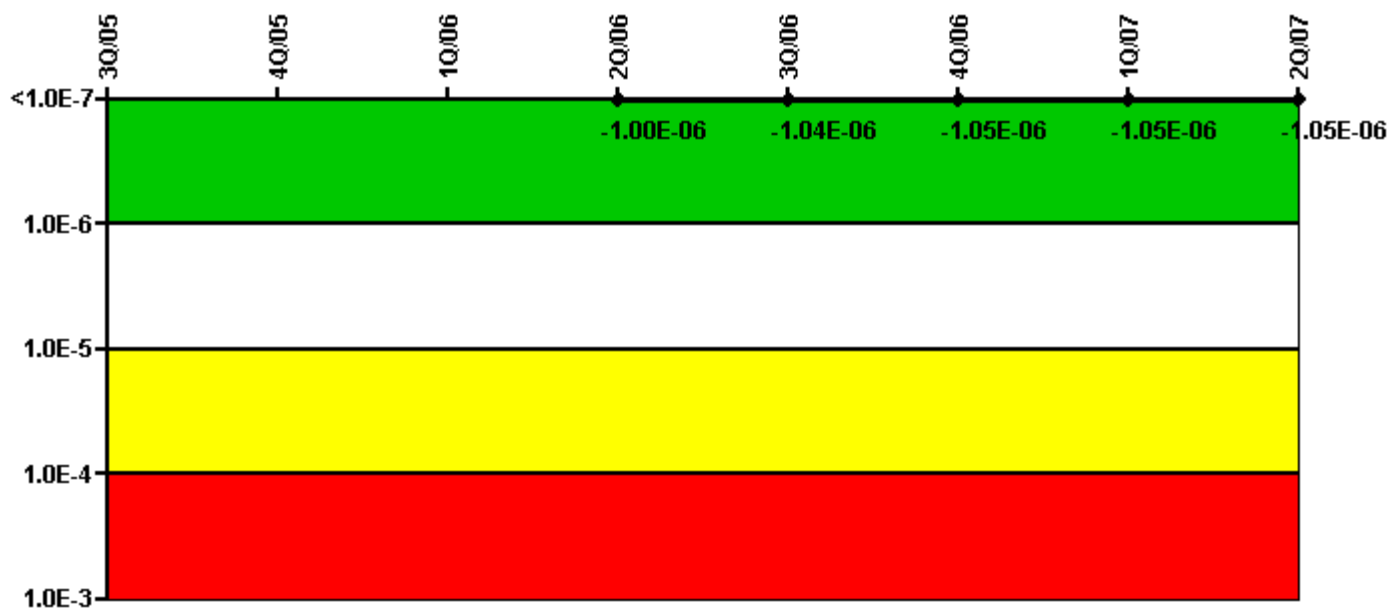
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-2.60E-06	-2.60E-06	-2.60E-06	-2.60E-06	-1.60E-06
URI (ΔCDF)				-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06
PLE				NO	NO	NO	NO	NO
Indicator value				-4.10E-06	-4.10E-06	-4.10E-06	-4.10E-06	-3.10E-06

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



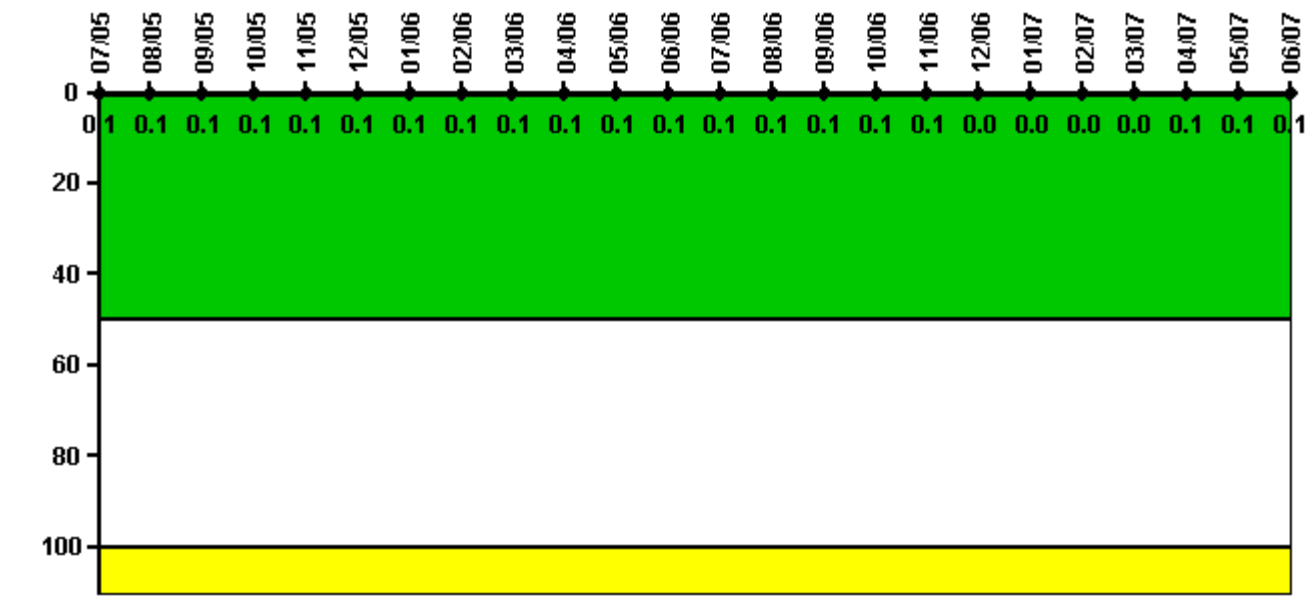
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-4.80E-07	-4.80E-07	-4.90E-07	-4.90E-07	-4.90E-07
URI (ΔCDF)				-5.20E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-1.00E-06	-1.04E-06	-1.05E-06	-1.05E-06	-1.05E-06

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

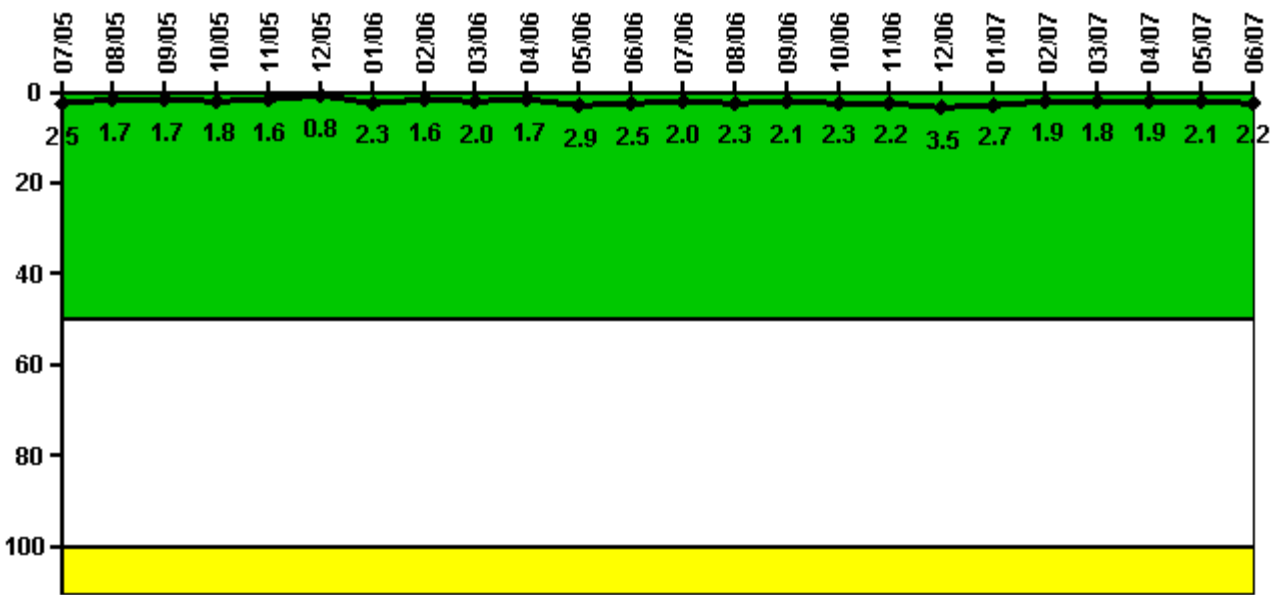
Notes

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	0.000255	0.000296	0.000288	0.000317	0.000316	0.000304	0.000319	0.000341	0.000368	0.000364	0.000370	0.000408
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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	0.000383	0.000415	0.000399	0.000427	0.000418	0	0.000225	0.000203	0.000215	0.000253	0.000256	0.000255
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

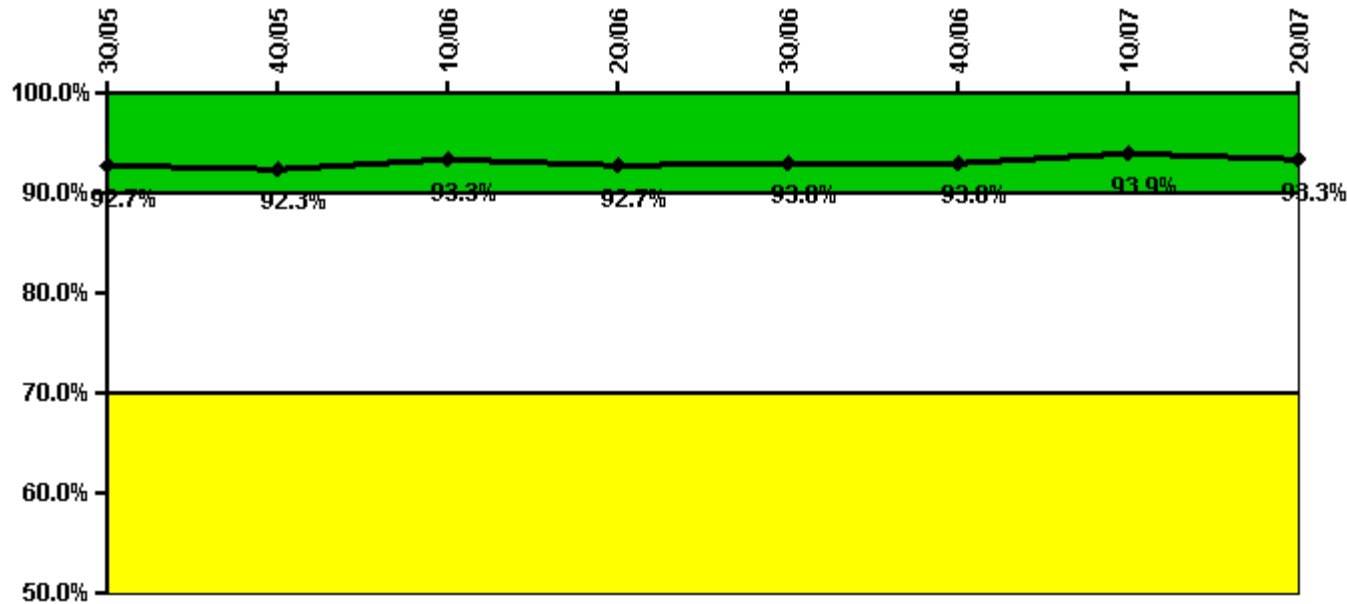
Notes

Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.246	0.168	0.170	0.180	0.160	0.077	0.227	0.163	0.198	0.166	0.294	0.249
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.5	1.7	1.7	1.8	1.6	0.8	2.3	1.6	2.0	1.7	2.9	2.5

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.204	0.226	0.205	0.225	0.220	0.350	0.272	0.193	0.184	0.187	0.214	0.215
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	2.3	2.1	2.3	2.2	3.5	2.7	1.9	1.8	1.9	2.1	2.2

Licensee Comments: none

Drill/Exercise Performance



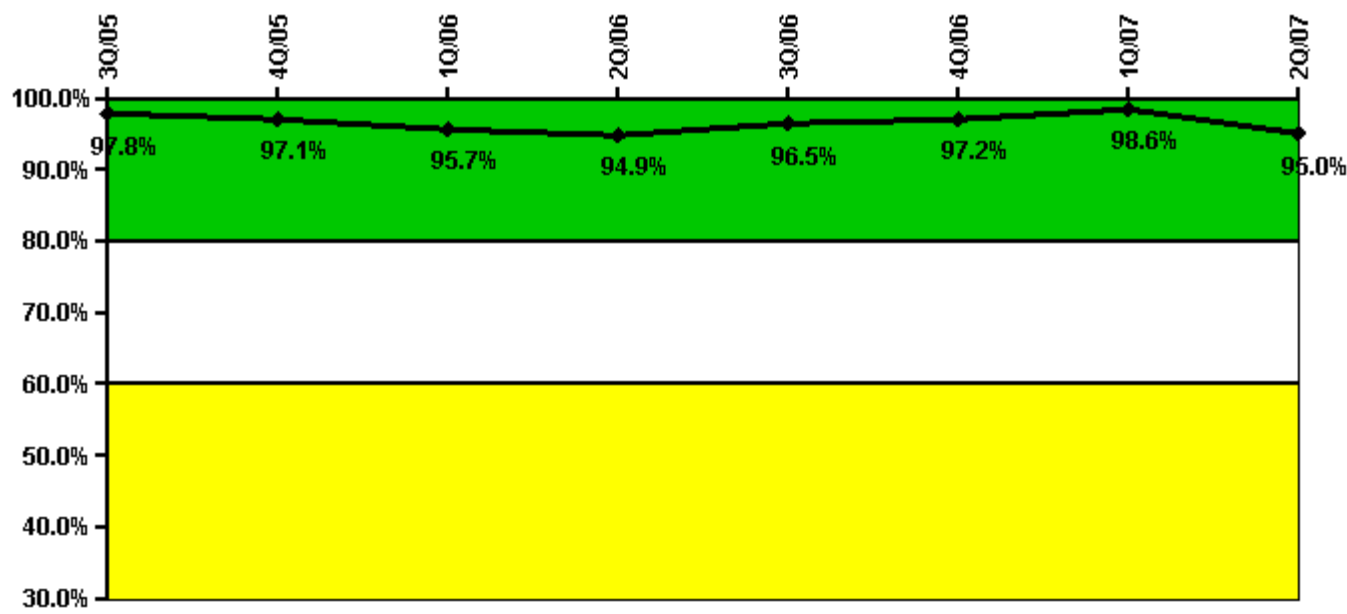
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	119.0	15.0	51.0	15.0	104.0	16.0	73.0	54.0
Total opportunities	125.0	16.0	52.0	18.0	116.0	16.0	76.0	60.0
Indicator value	92.7%	92.3%	93.3%	92.7%	93.0%	93.0%	93.9%	93.3%

Licensee Comments: none

ERO Drill Participation



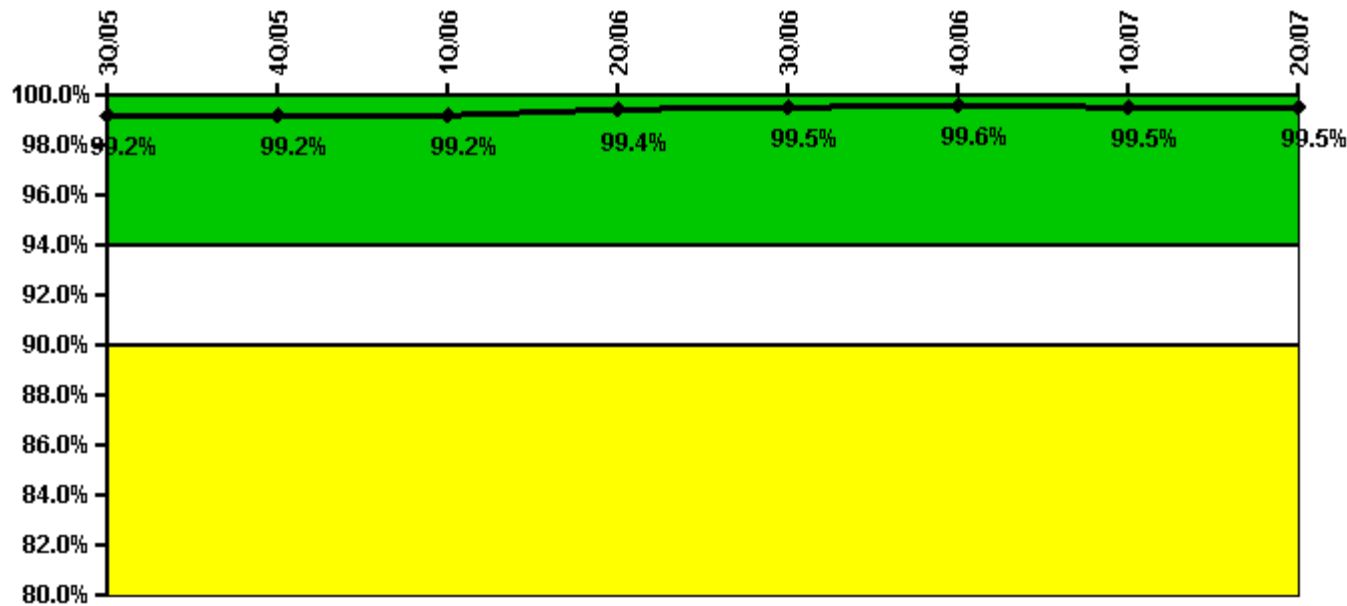
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	131.0	132.0	132.0	131.0	138.0	138.0	140.0	132.0
Total Key personnel	134.0	136.0	138.0	138.0	143.0	142.0	142.0	139.0
Indicator value	97.8%	97.1%	95.7%	94.9%	96.5%	97.2%	98.6%	95.0%

Licensee Comments: none

Alert & Notification System



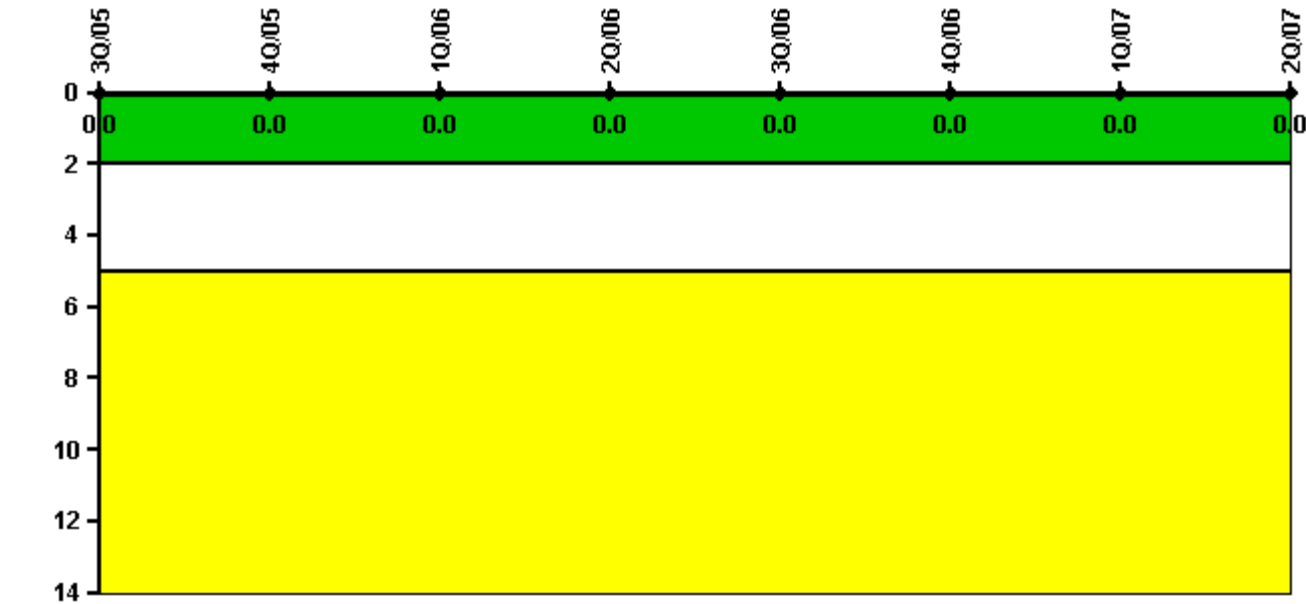
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	2377	2319	2396	2392	2393	2395	2383	2394
Total sirens-tests	2403	2335	2403	2403	2403	2403	2403	2403
Indicator value	99.2%	99.2%	99.2%	99.4%	99.5%	99.6%	99.5%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



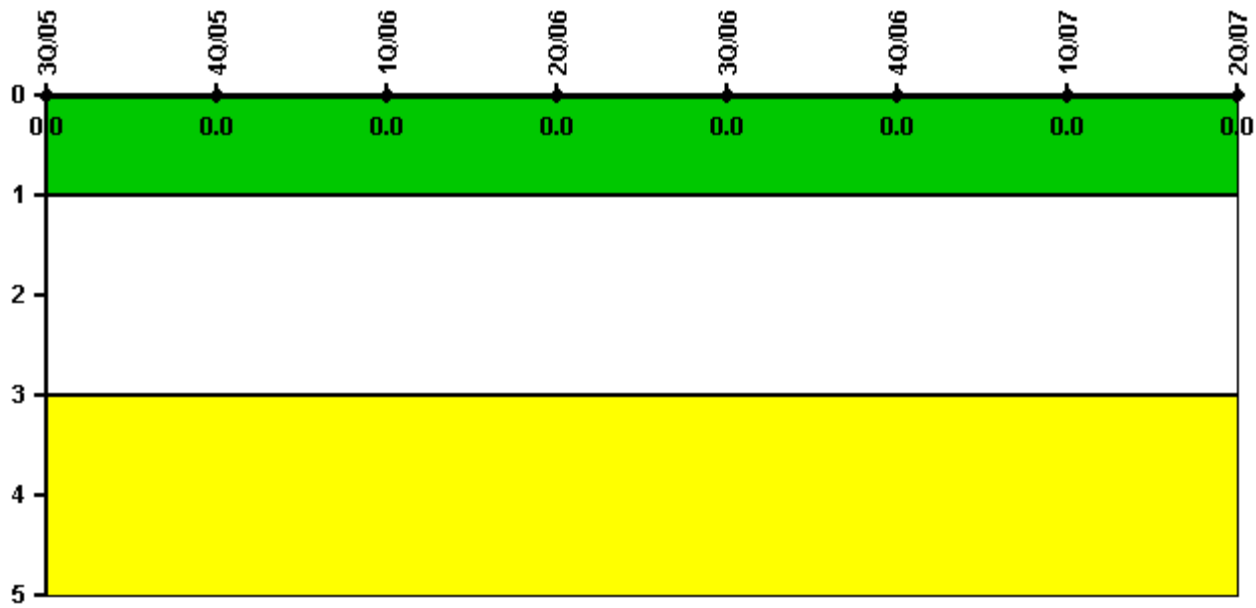
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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](#)

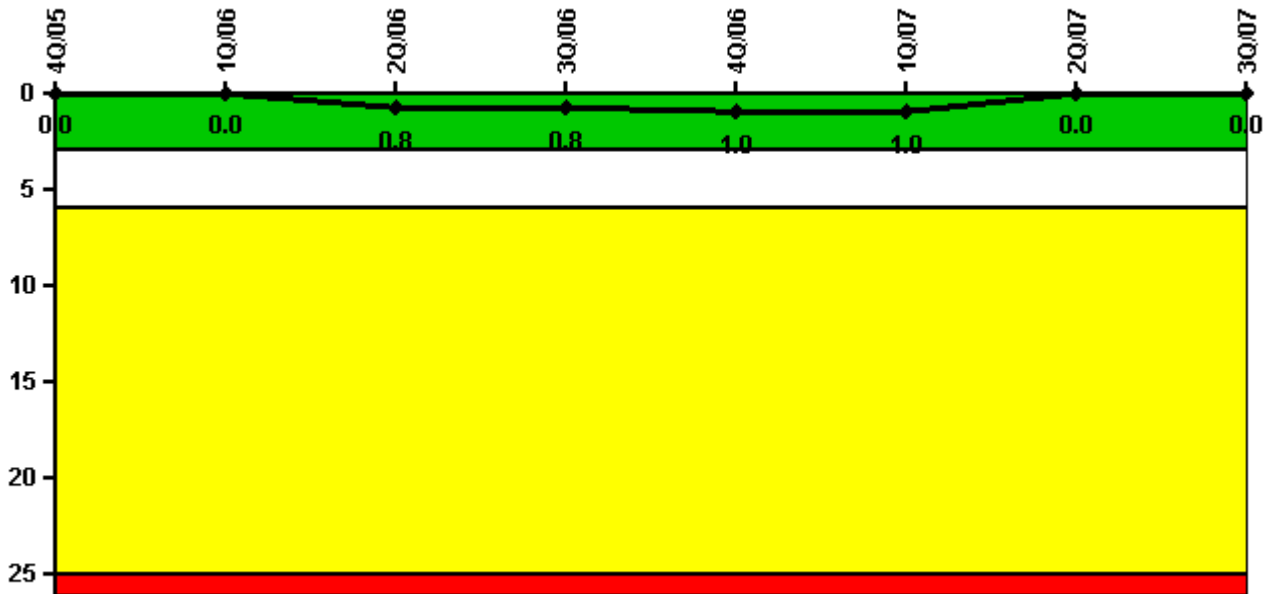
Last Modified: August 6, 2007

Catawba 1

3Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



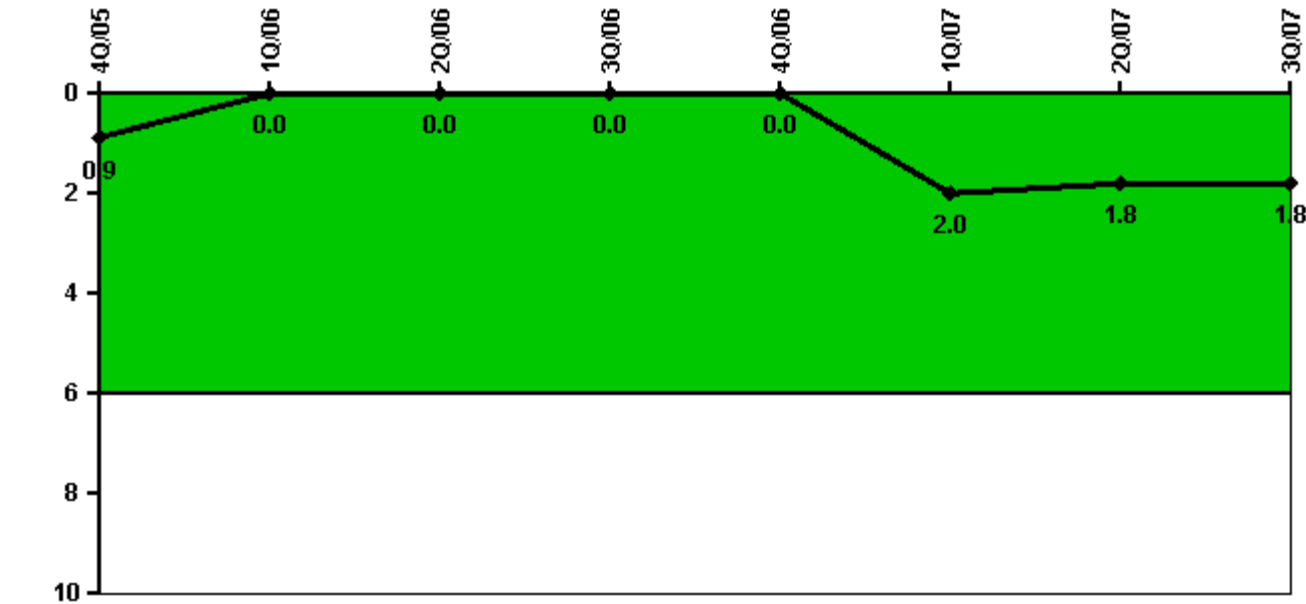
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2160.0	1674.8	2208.0	1043.6	2159.0	2184.0	2208.0
Indicator value	0	0	0.8	0.8	1.0	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



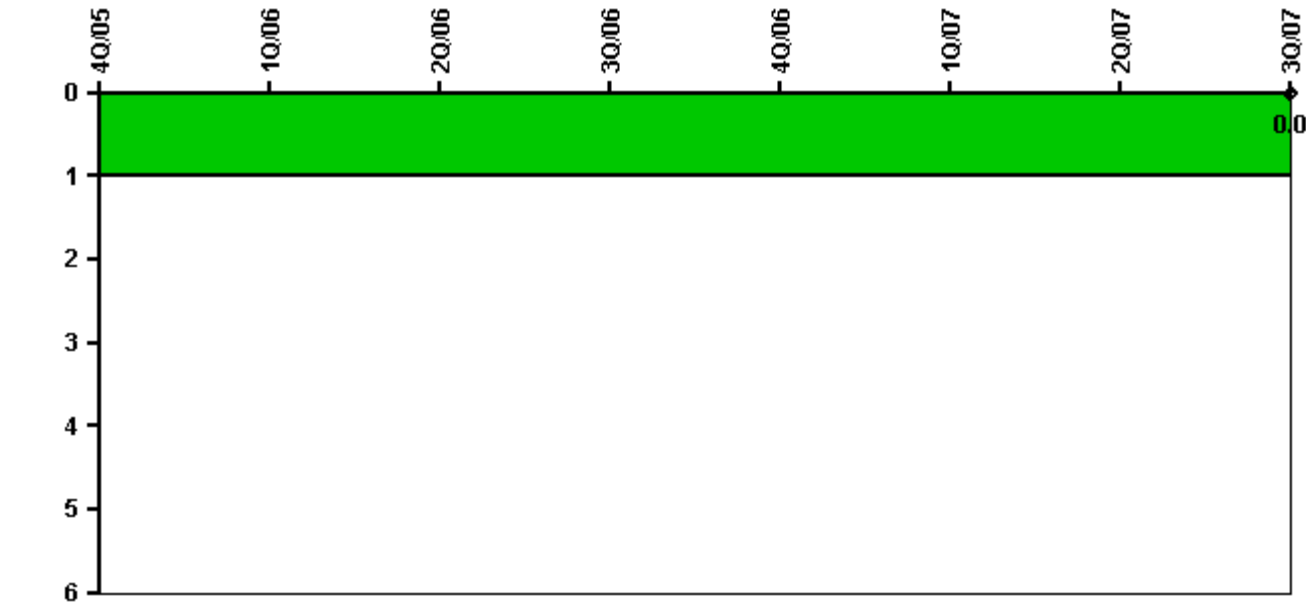
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	0	2.0	0	0
Critical hours	2209.0	2160.0	1674.8	2208.0	1043.6	2159.0	2184.0	2208.0
Indicator value	0.9	0	0	0	0	2.0	1.8	1.8

Licensee Comments: none

Unplanned Scrams with Complications



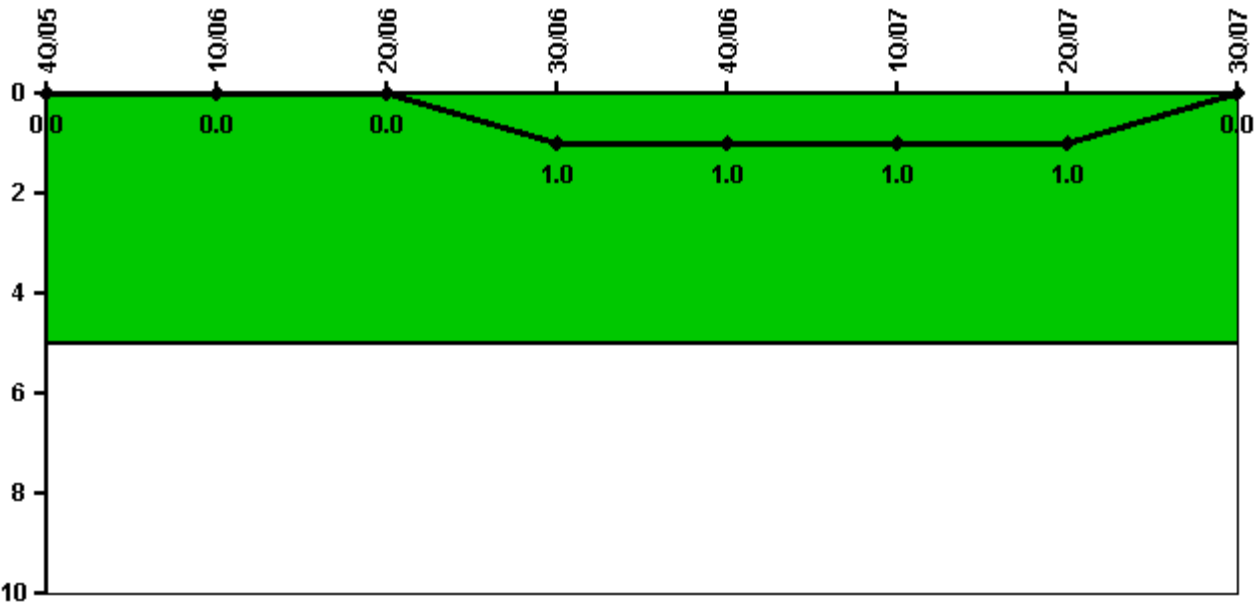
Thresholds: White > 1.0

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 (PWR)



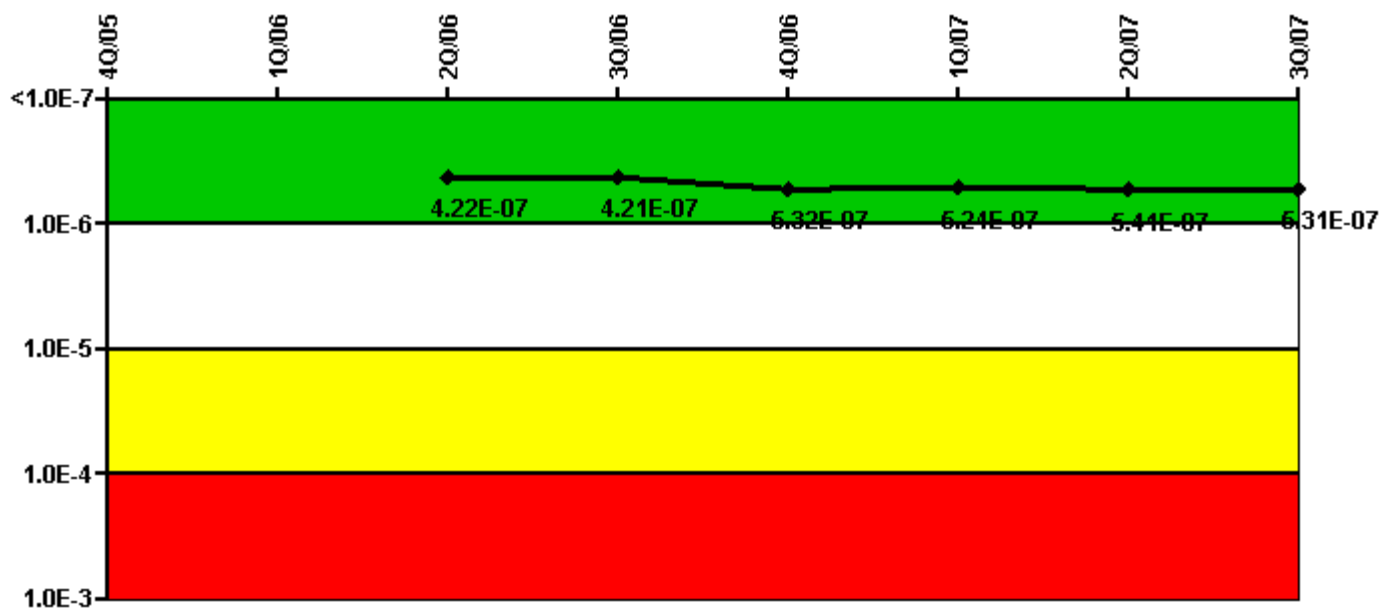
Thresholds: White > 5.0

Notes

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



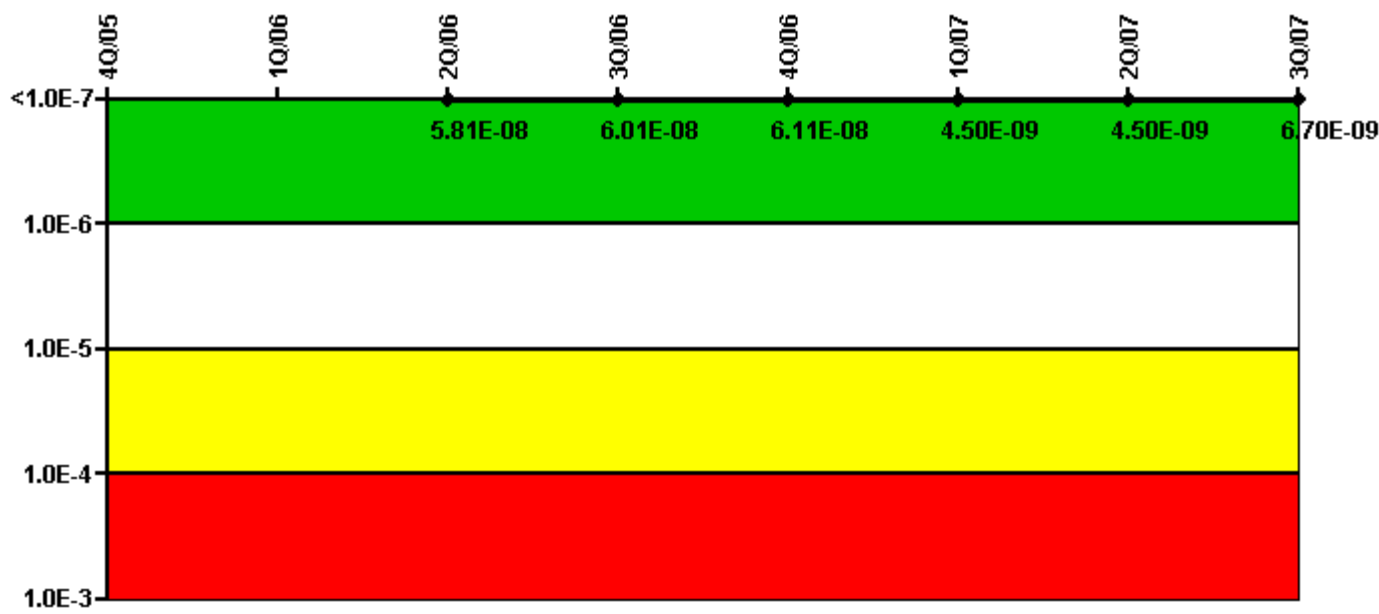
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-8.40E-09	-8.70E-09	-8.50E-09	-1.60E-08	1.10E-09	1.10E-09
URI (ΔCDF)			4.30E-07	4.30E-07	5.40E-07	5.40E-07	5.40E-07	5.30E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			4.22E-07	4.21E-07	5.32E-07	5.24E-07	5.41E-07	5.31E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



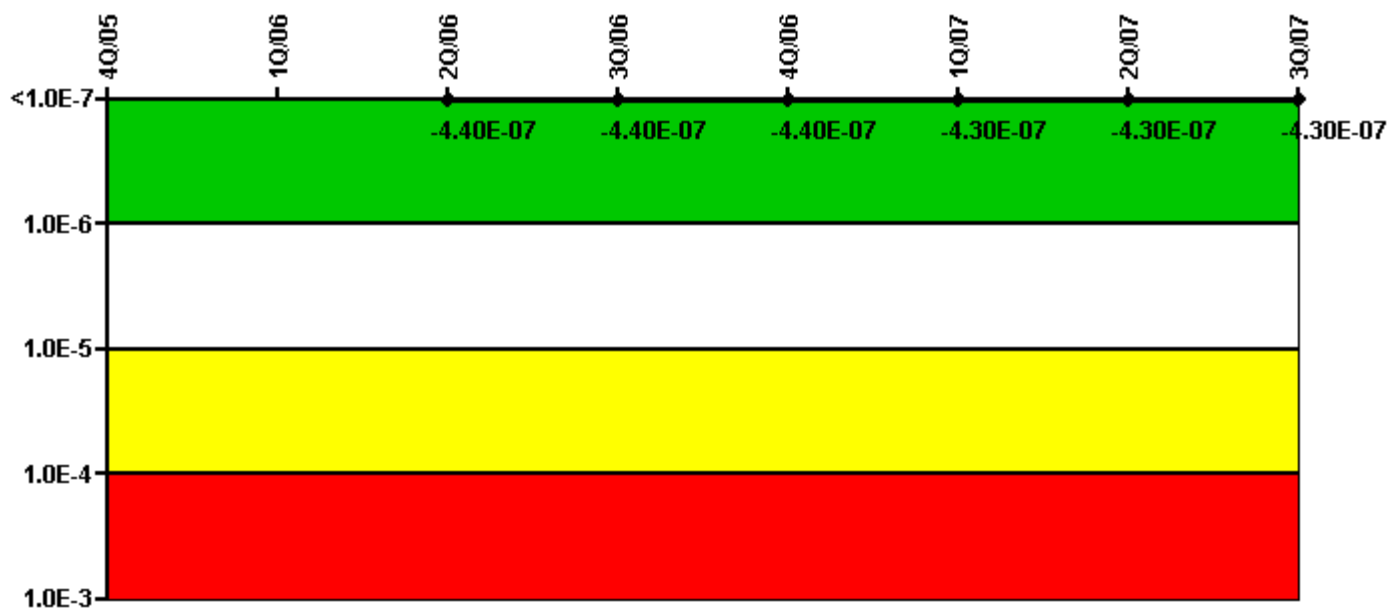
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			5.00E-08	5.20E-08	5.30E-08	-3.60E-09	-3.60E-09	-1.40E-09
URI (ΔCDF)			8.10E-09	8.10E-09	8.10E-09	8.10E-09	8.10E-09	8.10E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			5.81E-08	6.01E-08	6.11E-08	4.50E-09	4.50E-09	6.70E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



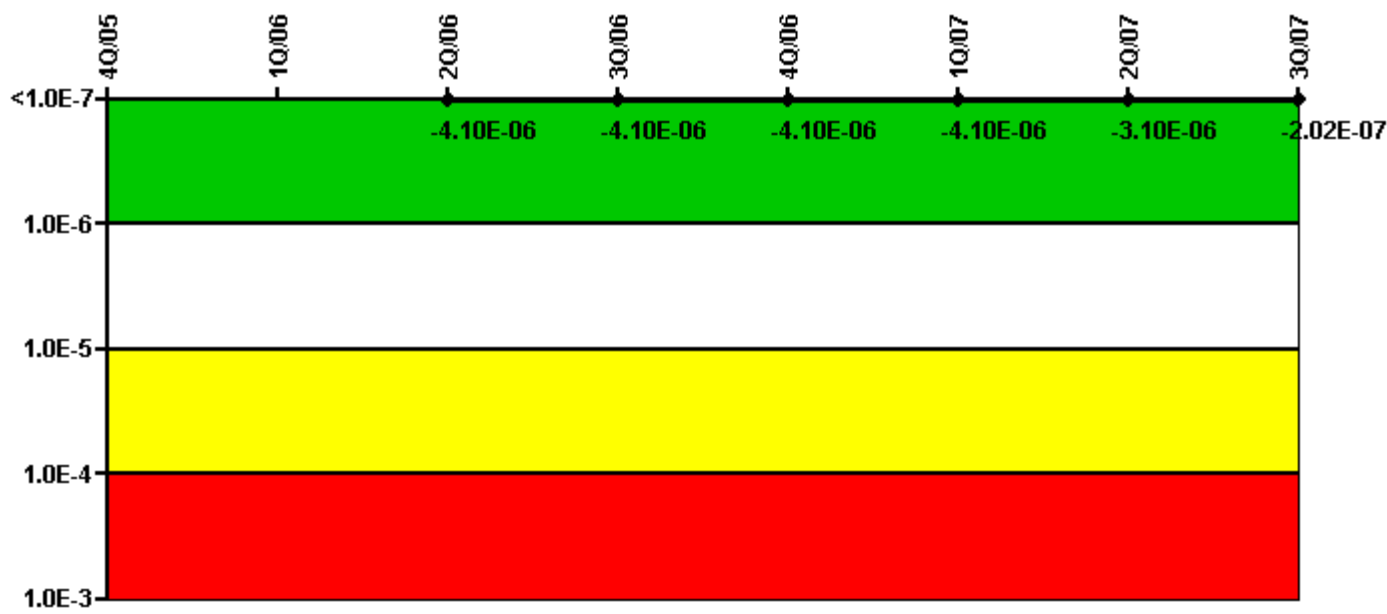
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)			-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
Indicator value			-4.40E-07	-4.40E-07	-4.40E-07	-4.30E-07	-4.30E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



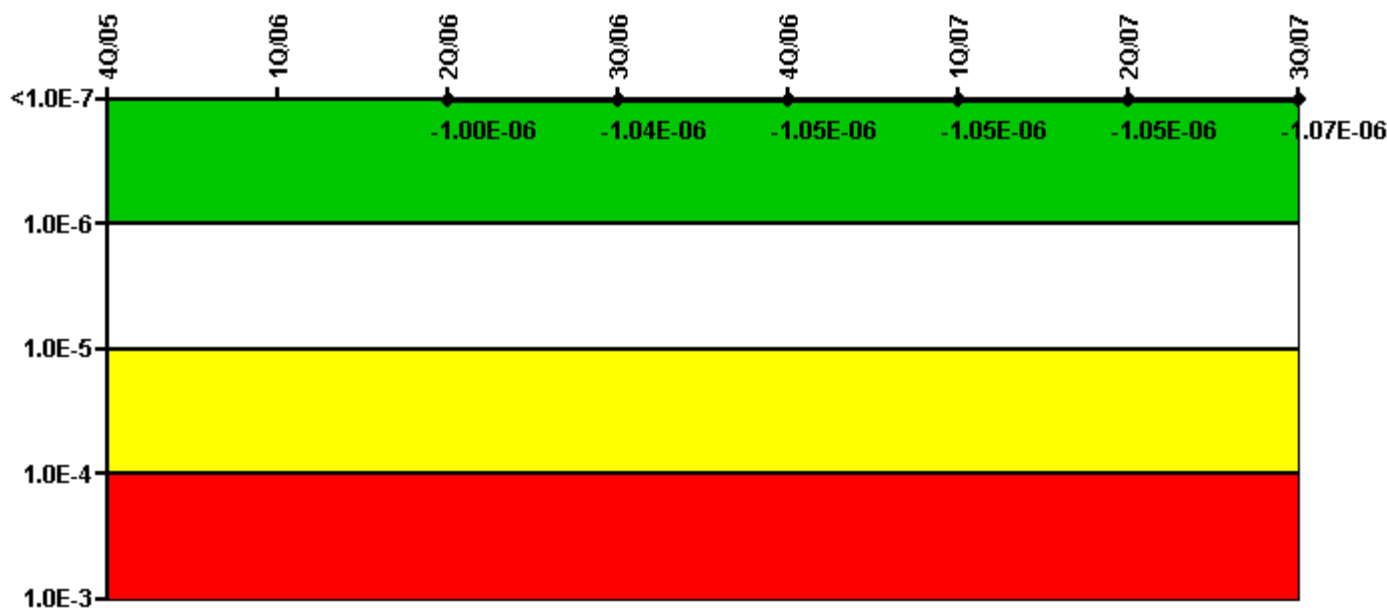
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-2.60E-06	-2.60E-06	-2.60E-06	-2.60E-06	-1.60E-06	-3.20E-08
URI (ΔCDF)			-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06	-1.70E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-4.10E-06	-4.10E-06	-4.10E-06	-4.10E-06	-3.10E-06	-2.02E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



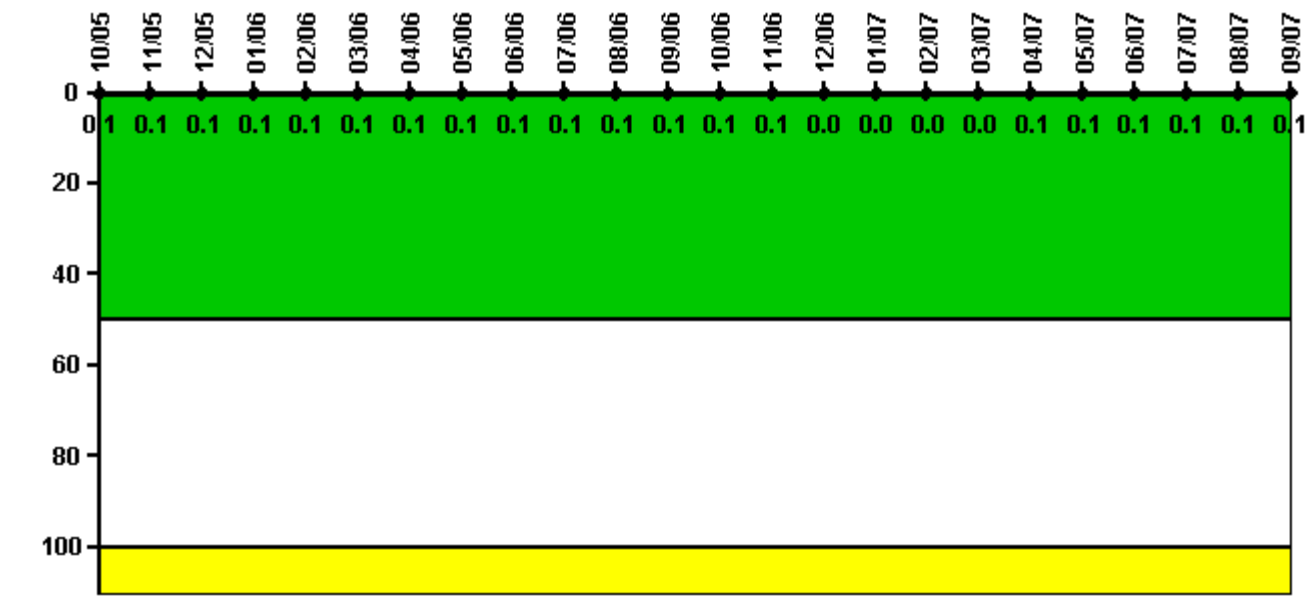
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-4.80E-07	-4.80E-07	-4.90E-07	-4.90E-07	-4.90E-07	-5.10E-07
URI (ΔCDF)			-5.20E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-1.00E-06	-1.04E-06	-1.05E-06	-1.05E-06	-1.05E-06	-1.07E-06

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

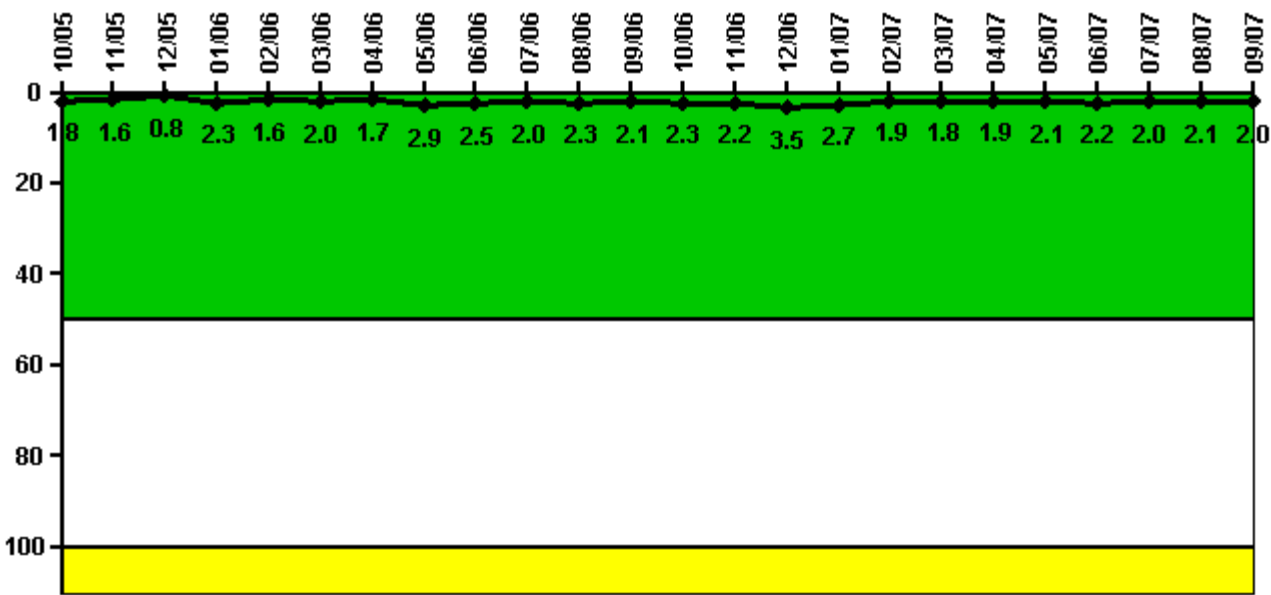
Notes

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	0.000317	0.000316	0.000304	0.000319	0.000341	0.000368	0.000364	0.000370	0.000408	0.000383	0.000415	0.000399
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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	0.000427	0.000418	0	0.000225	0.000203	0.000215	0.000253	0.000256	0.000255	0.000302	0.000269	0.000277
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

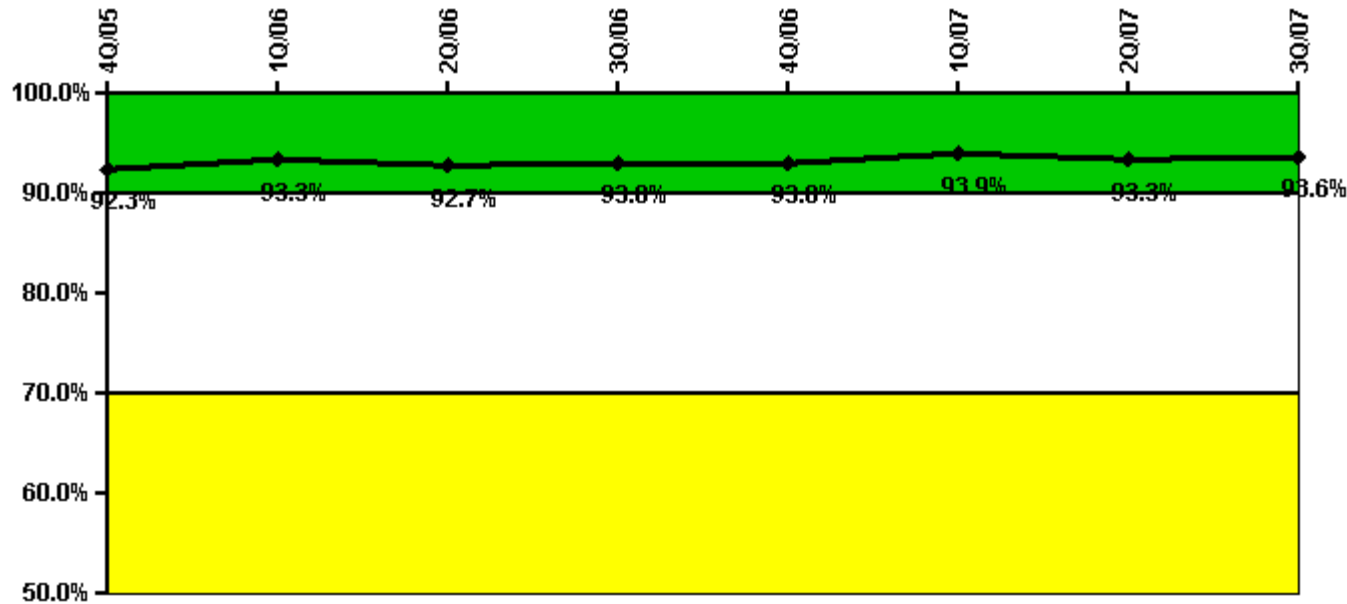
Notes

Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.180	0.160	0.077	0.227	0.163	0.198	0.166	0.294	0.249	0.204	0.226	0.205
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.8	1.6	0.8	2.3	1.6	2.0	1.7	2.9	2.5	2.0	2.3	2.1

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.225	0.220	0.350	0.272	0.193	0.184	0.187	0.214	0.215	0.203	0.211	0.204
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	2.2	3.5	2.7	1.9	1.8	1.9	2.1	2.2	2.0	2.1	2.0

Licensee Comments: none

Drill/Exercise Performance



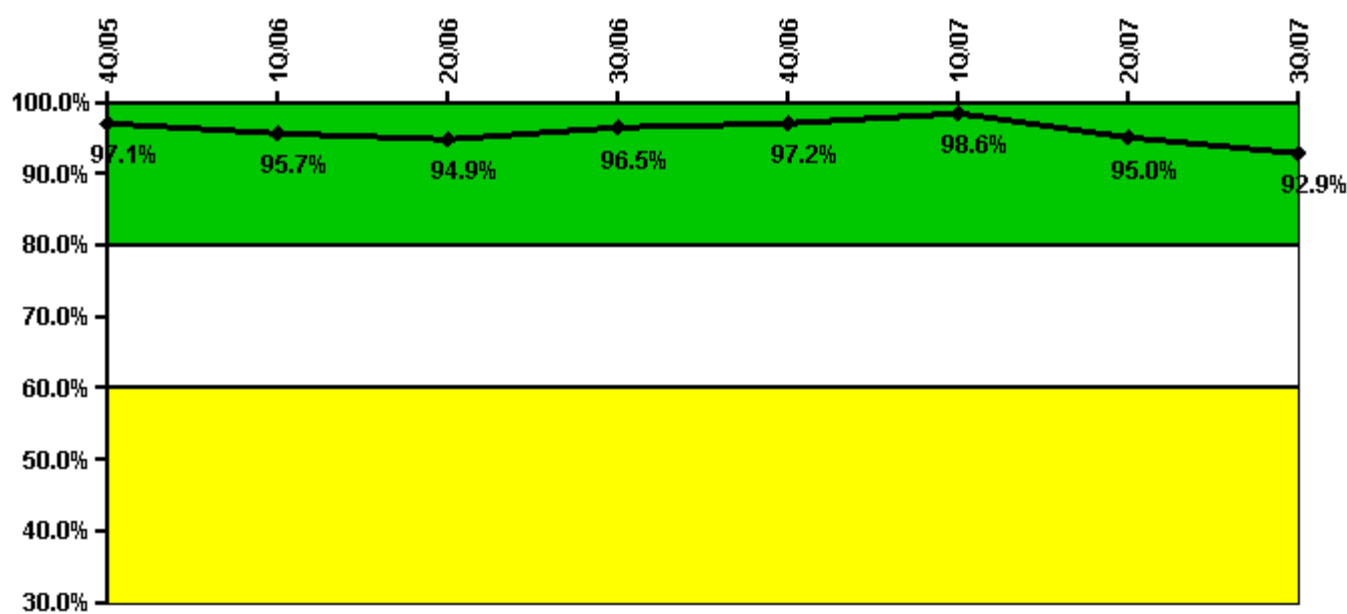
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	15.0	51.0	15.0	104.0	16.0	73.0	54.0	95.0
Total opportunities	16.0	52.0	18.0	116.0	16.0	76.0	60.0	98.0
Indicator value	92.3%	93.3%	92.7%	93.0%	93.0%	93.9%	93.3%	93.6%

Licensee Comments: none

ERO Drill Participation



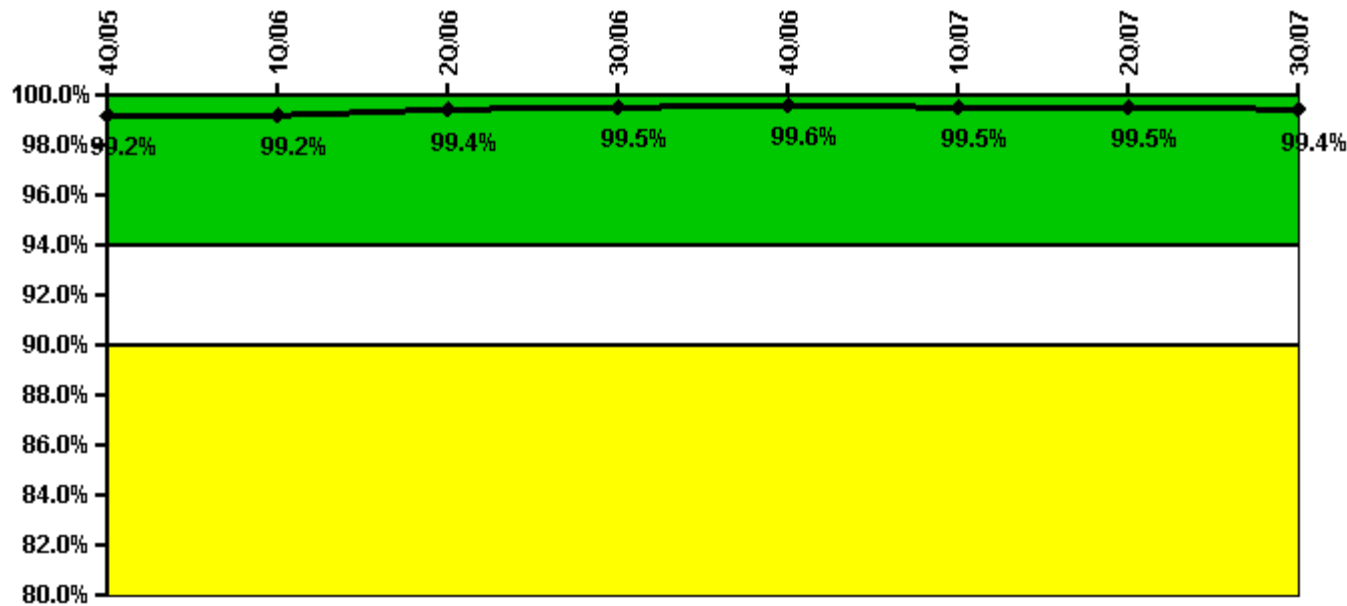
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	132.0	132.0	131.0	138.0	138.0	140.0	132.0	130.0
Total Key personnel	136.0	138.0	138.0	143.0	142.0	142.0	139.0	140.0
Indicator value	97.1%	95.7%	94.9%	96.5%	97.2%	98.6%	95.0%	92.9%

Licensee Comments: none

Alert & Notification System



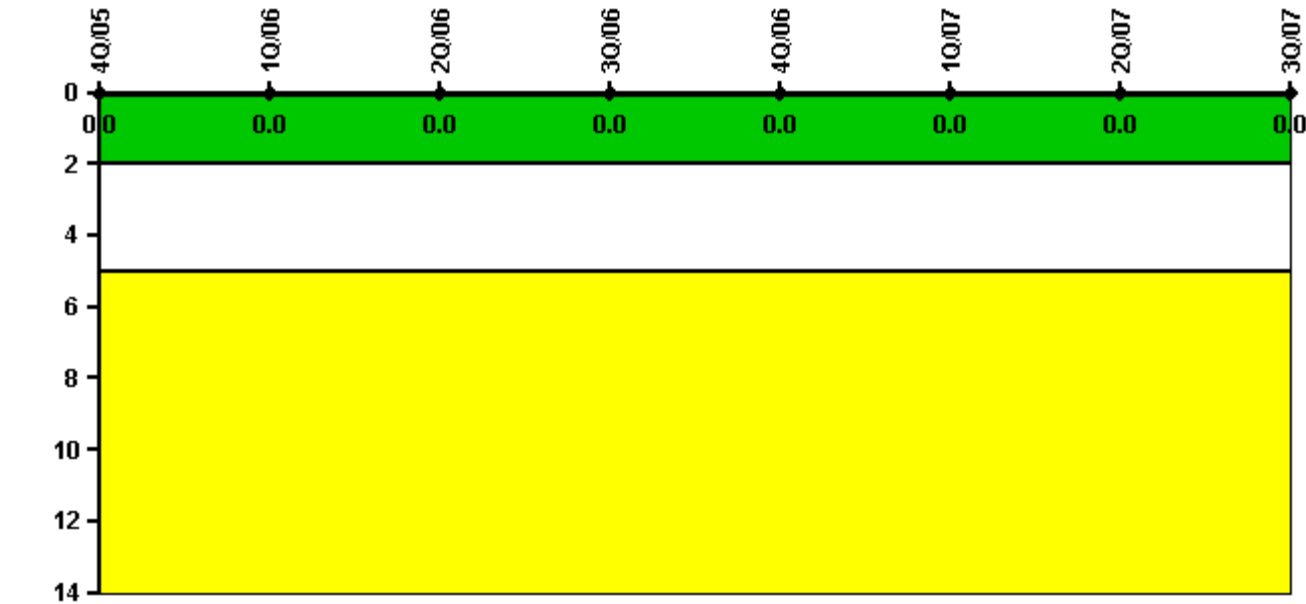
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	2319	2396	2392	2393	2395	2383	2394	2386
Total sirens-tests	2335	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.2%	99.2%	99.4%	99.5%	99.6%	99.5%	99.5%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



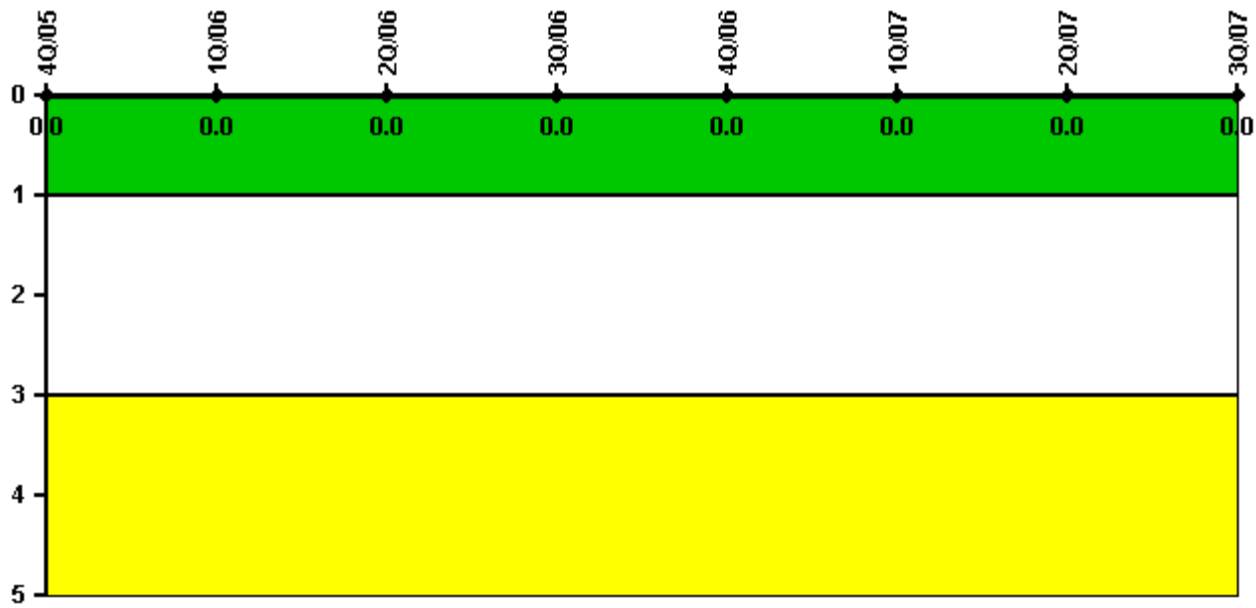
Thresholds: White > 2.0 Yellow > 5.0

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](#)

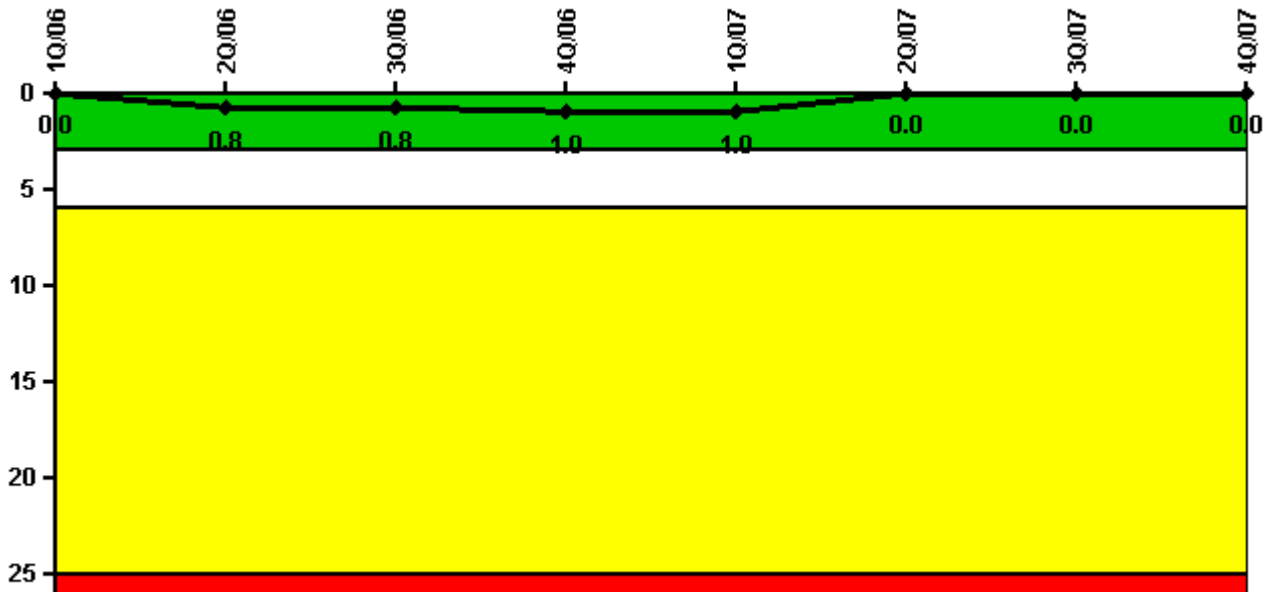
Last Modified: December 7, 2007

Catawba 1

4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



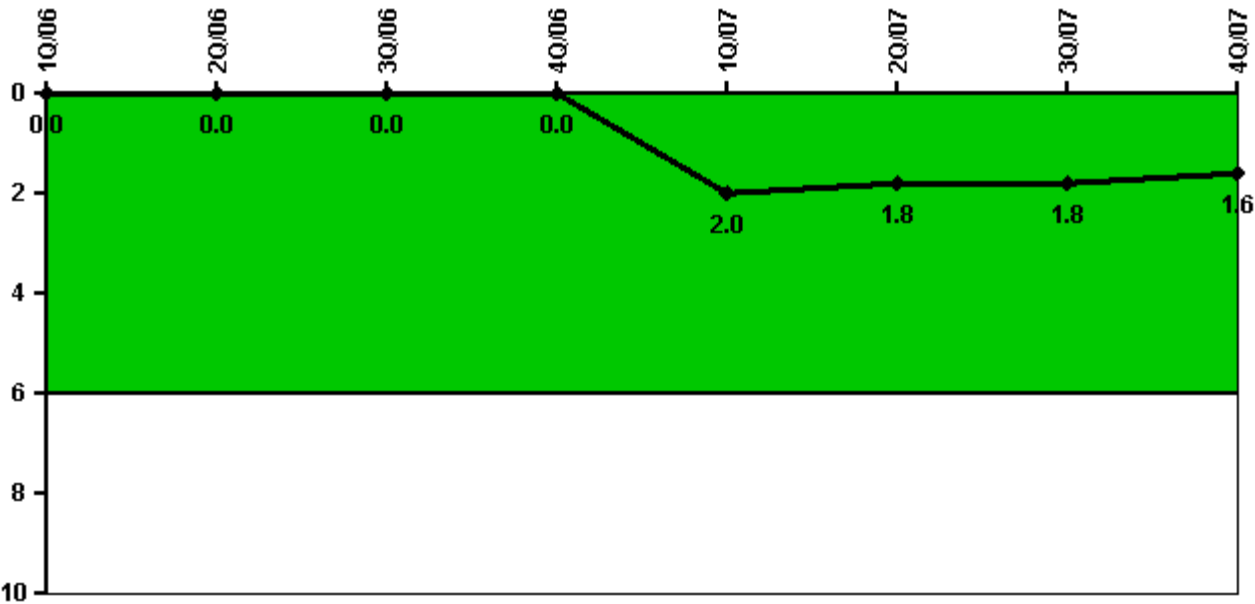
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2160.0	1674.8	2208.0	1043.6	2159.0	2184.0	2208.0	2209.0
Indicator value	0	0.8	0.8	1.0	1.0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



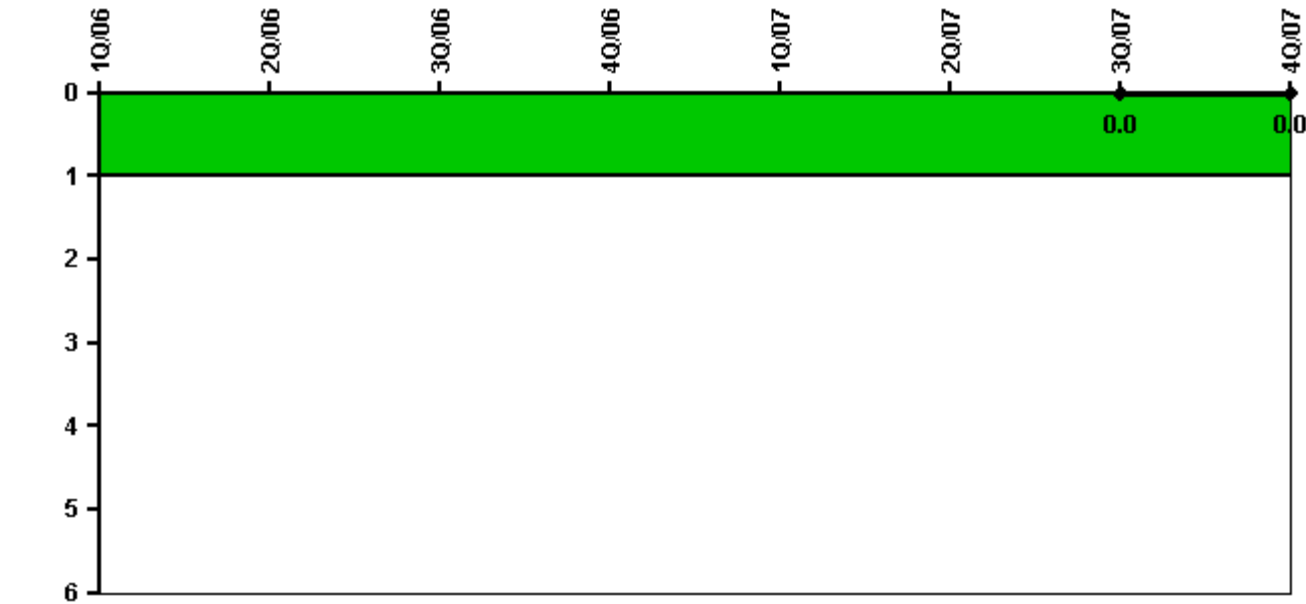
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2160.0	1674.8	2208.0	1043.6	2159.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	2.0	1.8	1.8	1.6

Licensee Comments: none

Unplanned Scrams with Complications



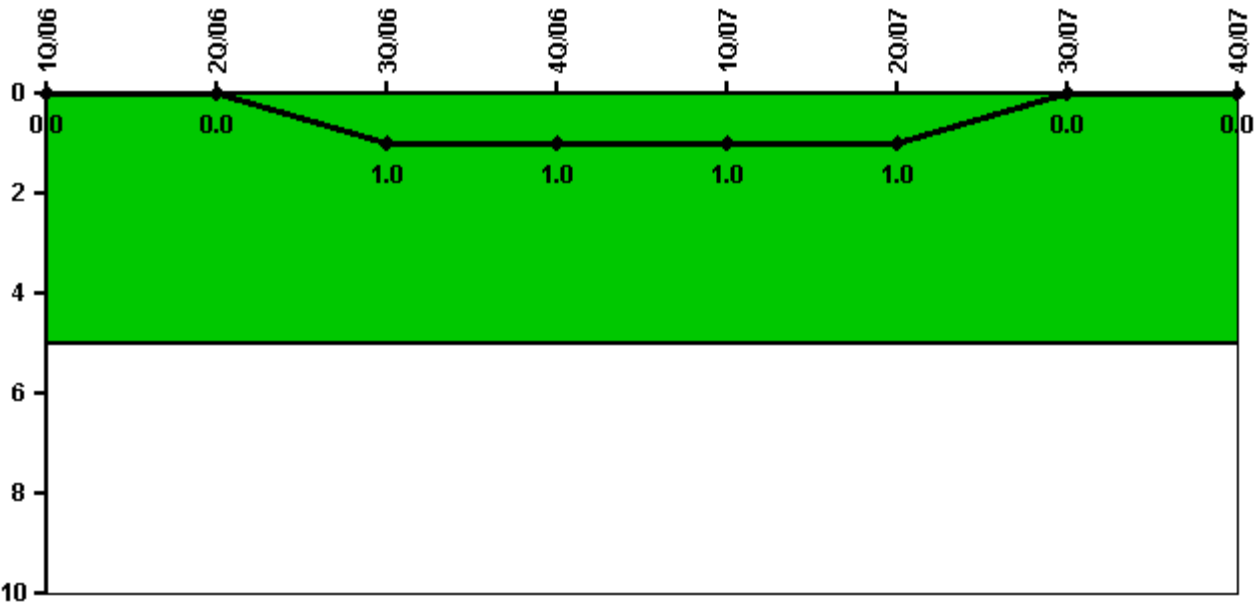
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Scrams with complications				0	0	0	0	0
Indicator value							0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



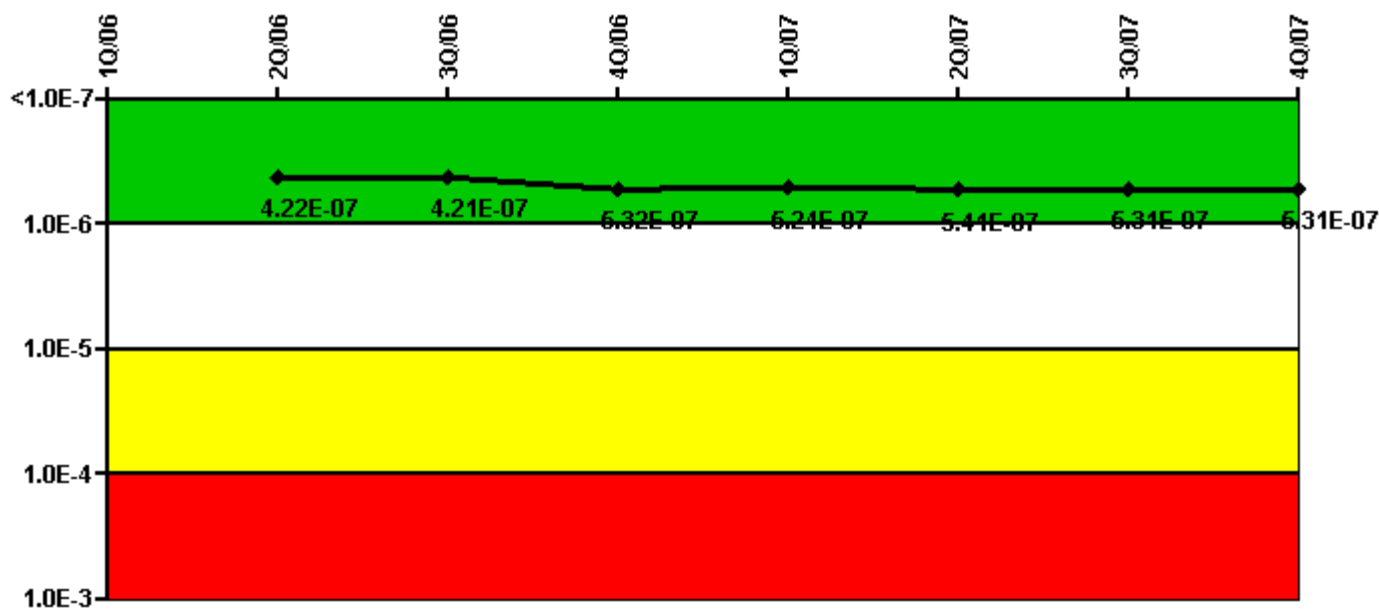
Thresholds: White > 5.0

Notes

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



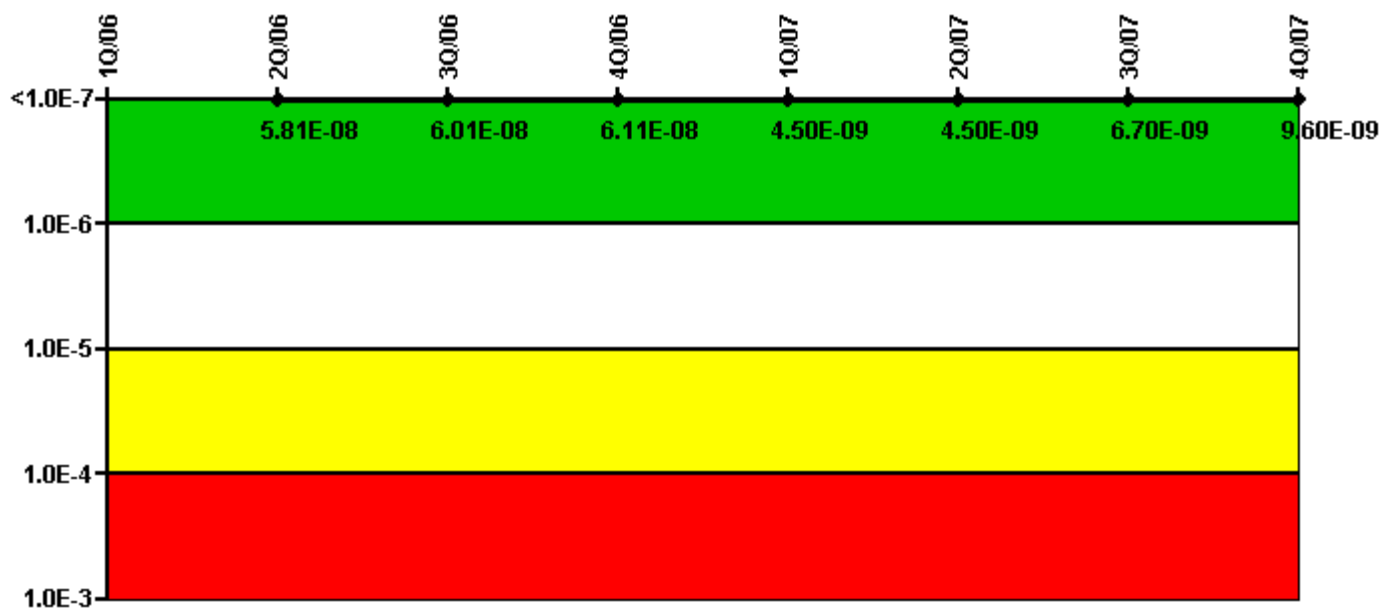
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		-8.40E-09	-8.70E-09	-8.50E-09	-1.60E-08	1.10E-09	1.10E-09	1.10E-09
URI (ΔCDF)		4.30E-07	4.30E-07	5.40E-07	5.40E-07	5.40E-07	5.30E-07	5.30E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		4.22E-07	4.21E-07	5.32E-07	5.24E-07	5.41E-07	5.31E-07	5.31E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



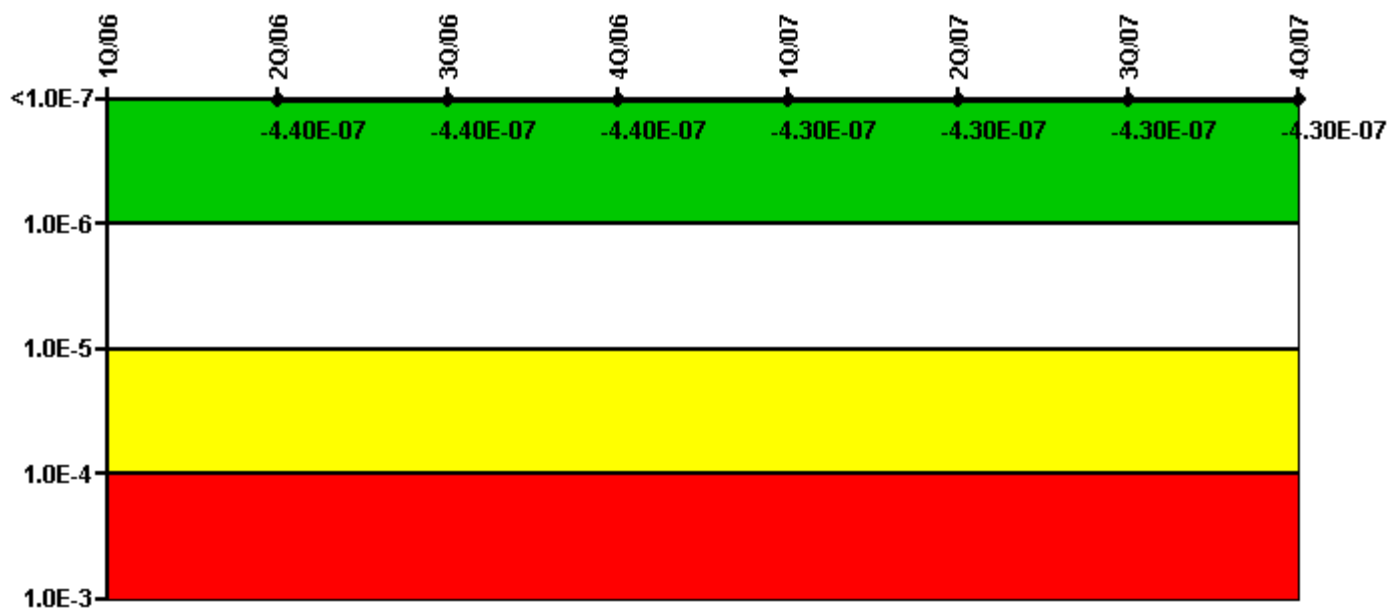
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		5.00E-08	5.20E-08	5.30E-08	-3.60E-09	-3.60E-09	-1.40E-09	-1.40E-09
URI (ΔCDF)		8.10E-09	8.10E-09	8.10E-09	8.10E-09	8.10E-09	8.10E-09	1.10E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		5.81E-08	6.01E-08	6.11E-08	4.50E-09	4.50E-09	6.70E-09	9.60E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



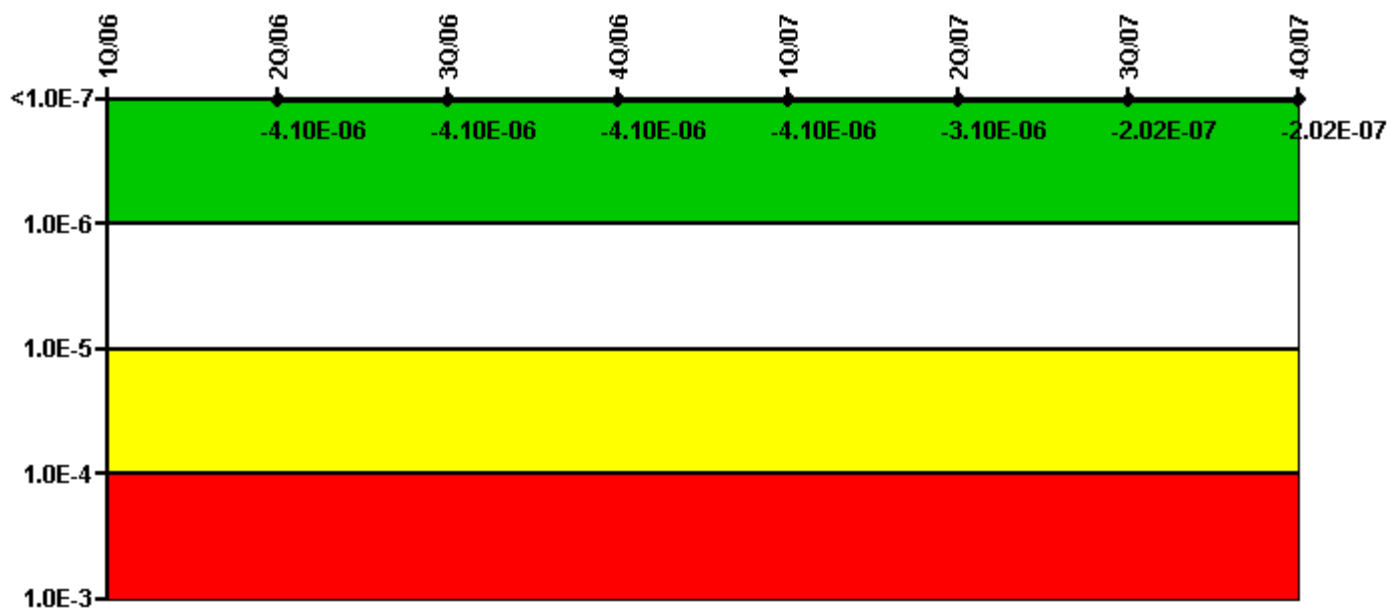
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)		-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
Indicator value		-4.40E-07	-4.40E-07	-4.40E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



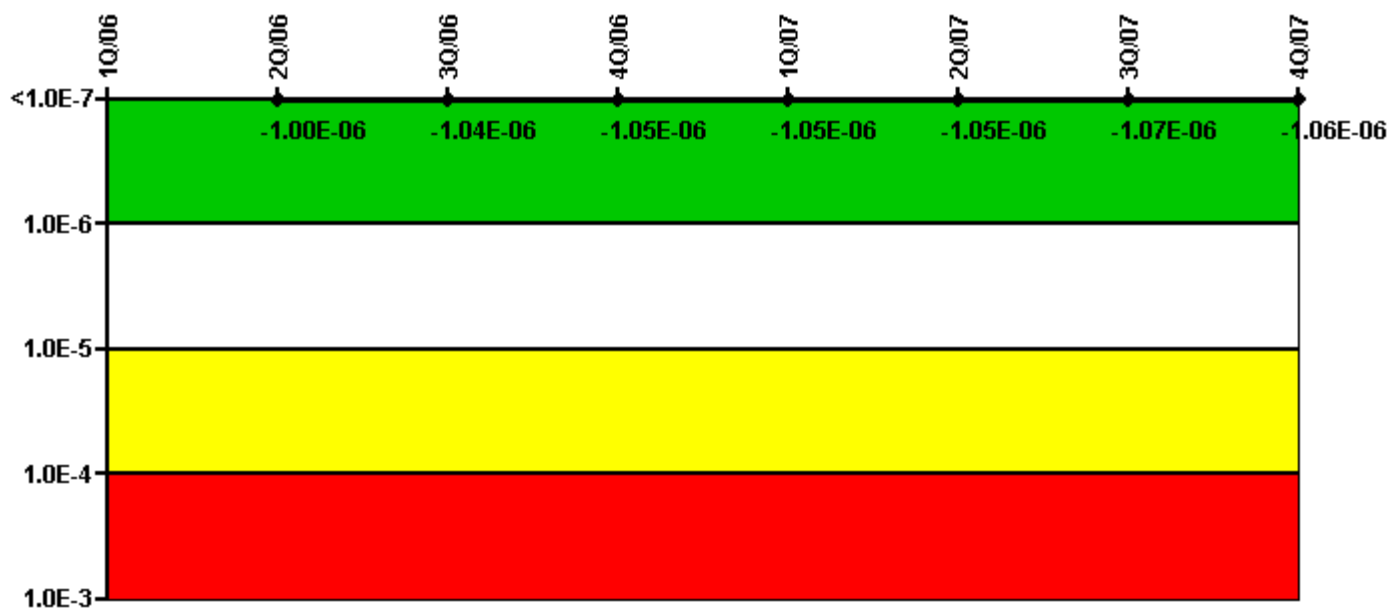
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)		-2.60E-06	-2.60E-06	-2.60E-06	-2.60E-06	-1.60E-06	-3.20E-08	-3.20E-08
URI (ΔCDF)		-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06	-1.70E-07	-1.70E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-4.10E-06	-4.10E-06	-4.10E-06	-4.10E-06	-3.10E-06	-2.02E-07	-2.02E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



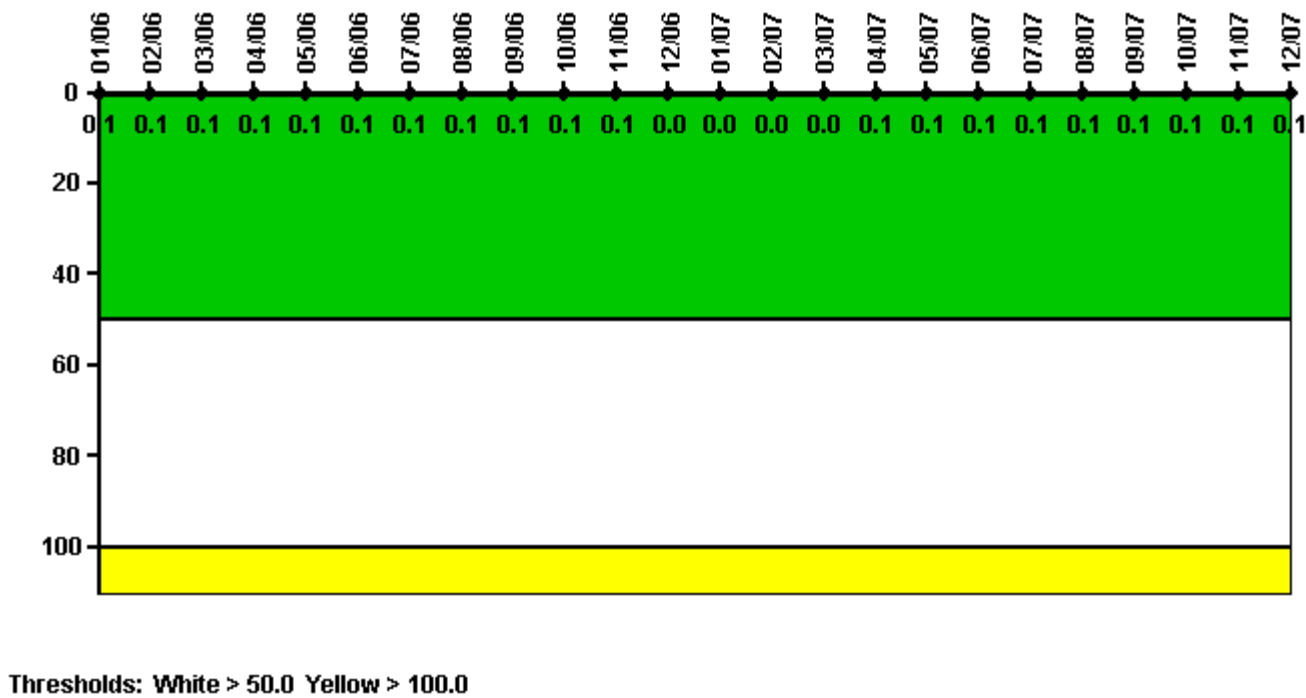
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		-4.80E-07	-4.80E-07	-4.90E-07	-4.90E-07	-4.90E-07	-5.10E-07	-5.00E-07
URI (ΔCDF)		-5.20E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-1.00E-06	-1.04E-06	-1.05E-06	-1.05E-06	-1.05E-06	-1.07E-06	-1.06E-06

Licensee Comments: none

Reactor Coolant System Activity



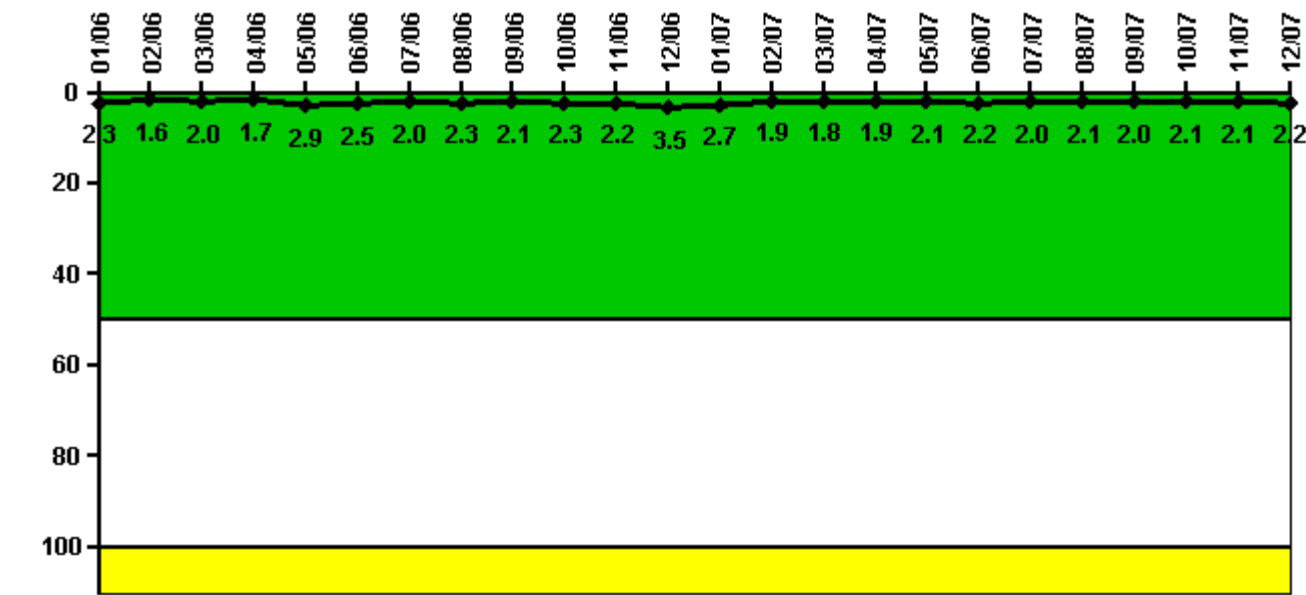
Notes

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	0.000319	0.000341	0.000368	0.000364	0.000370	0.000408	0.000383	0.000415	0.000399	0.000427	0.000418	0
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.000225	0.000203	0.000215	0.000253	0.000256	0.000255	0.000302	0.000269	0.000277	0.000302	0.000307	0.000323
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

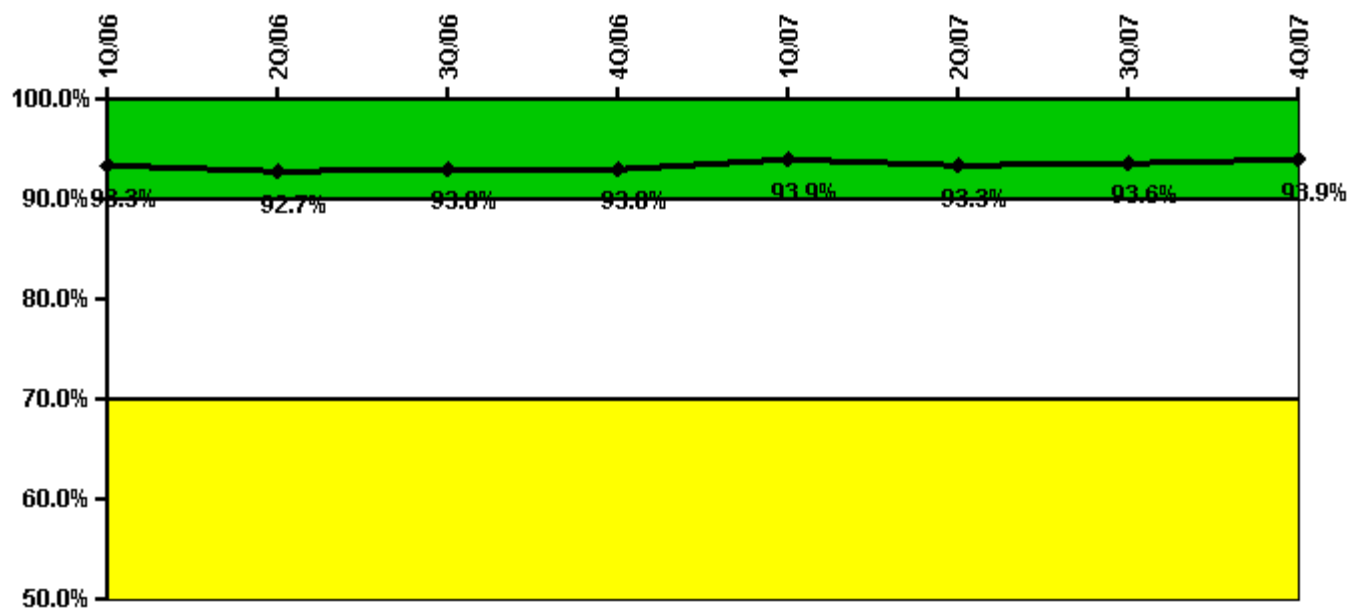
Notes

Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.227	0.163	0.198	0.166	0.294	0.249	0.204	0.226	0.205	0.225	0.220	0.350
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	1.6	2.0	1.7	2.9	2.5	2.0	2.3	2.1	2.3	2.2	3.5

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.272	0.193	0.184	0.187	0.214	0.215	0.203	0.211	0.204	0.212	0.214	0.218
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.7	1.9	1.8	1.9	2.1	2.2	2.0	2.1	2.0	2.1	2.1	2.2

Licensee Comments: none

Drill/Exercise Performance



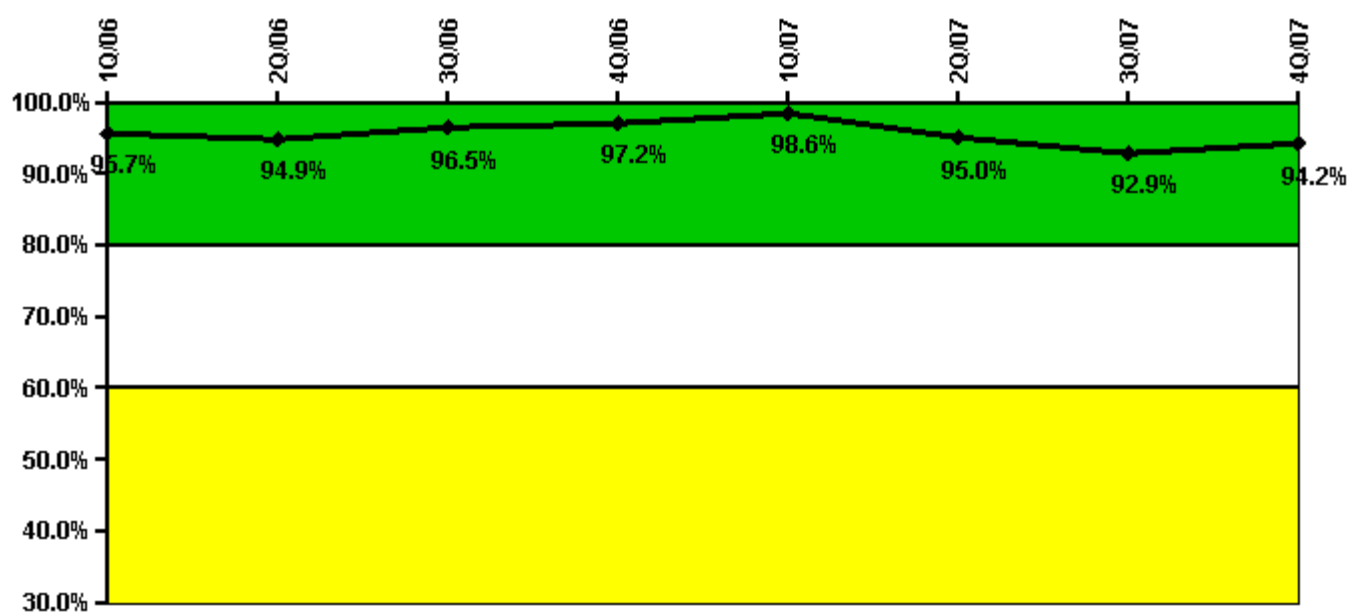
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	51.0	15.0	104.0	16.0	73.0	54.0	95.0	24.0
Total opportunities	52.0	18.0	116.0	16.0	76.0	60.0	98.0	24.0
Indicator value	93.3%	92.7%	93.0%	93.0%	93.9%	93.3%	93.6%	93.9%

Licensee Comments: none

ERO Drill Participation



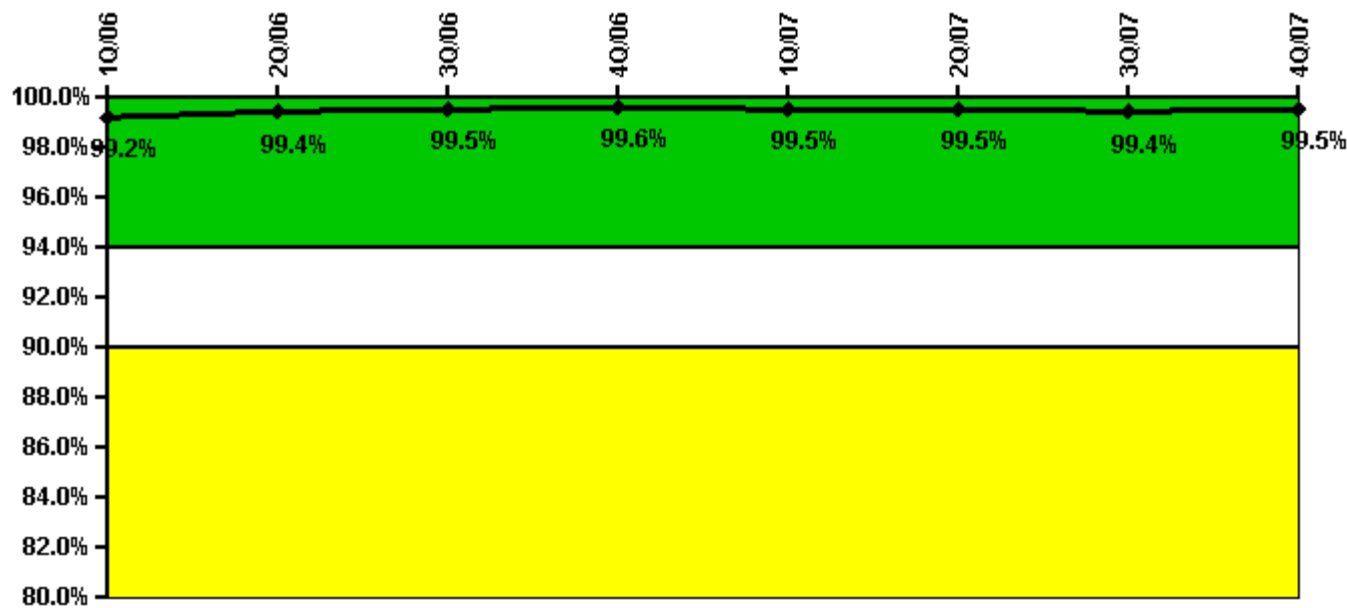
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	132.0	131.0	138.0	138.0	140.0	132.0	130.0	130.0
Total Key personnel	138.0	138.0	143.0	142.0	142.0	139.0	140.0	138.0
Indicator value	95.7%	94.9%	96.5%	97.2%	98.6%	95.0%	92.9%	94.2%

Licensee Comments: none

Alert & Notification System



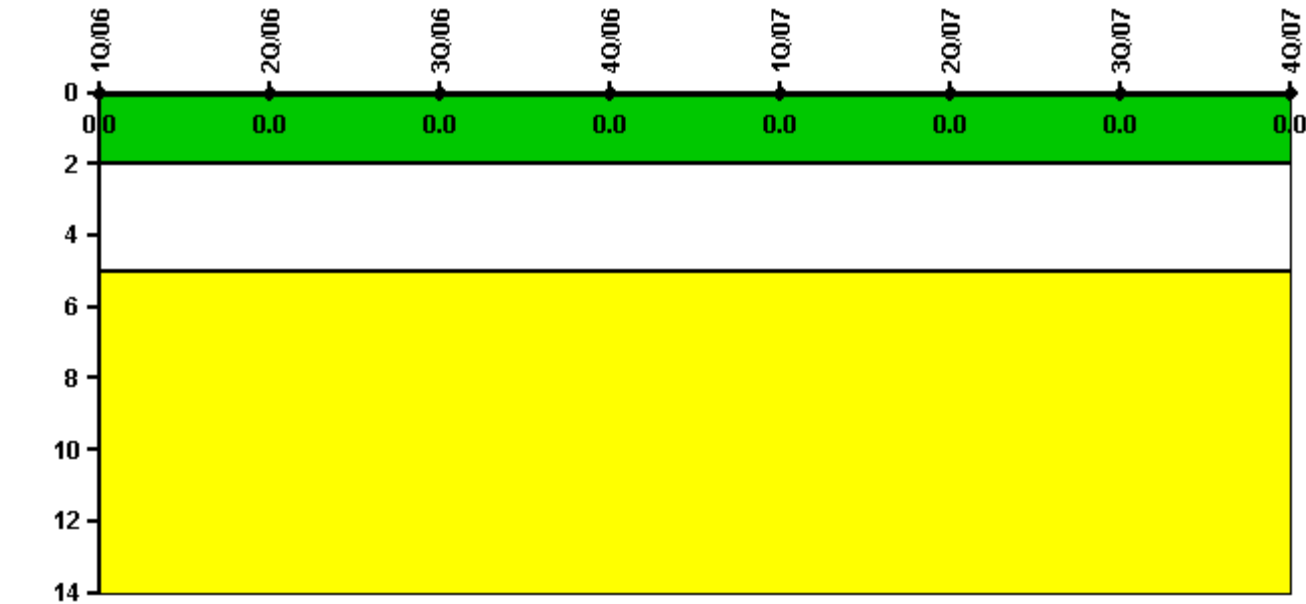
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	2396	2392	2393	2395	2383	2394	2386	2400
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.2%	99.4%	99.5%	99.6%	99.5%	99.5%	99.4%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



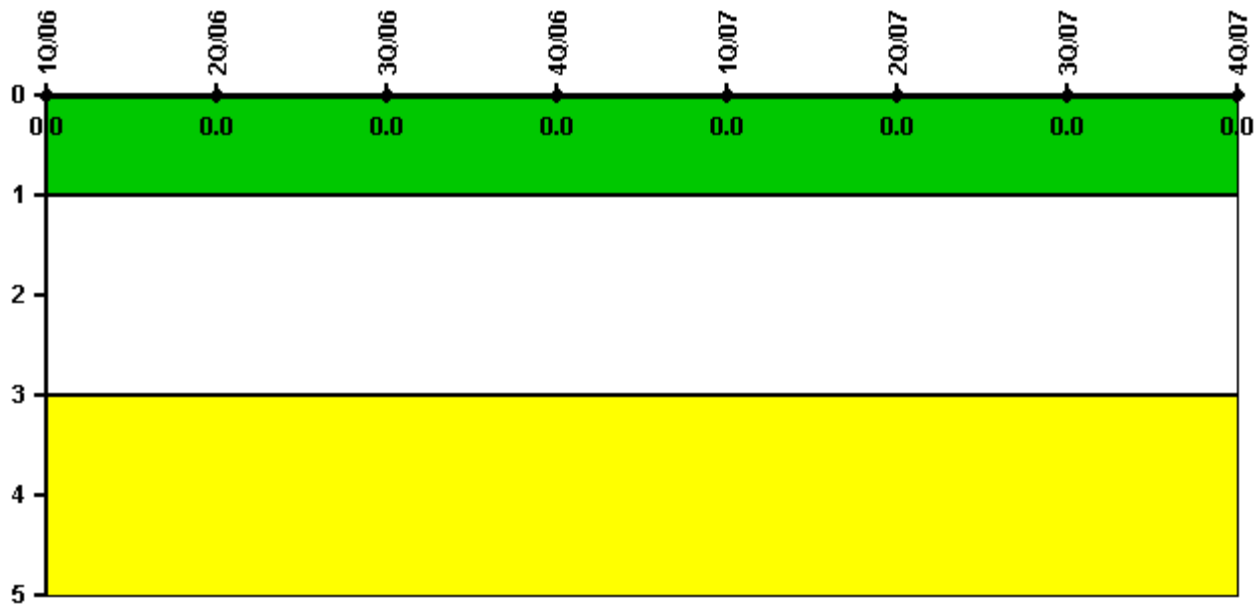
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	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/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](#)

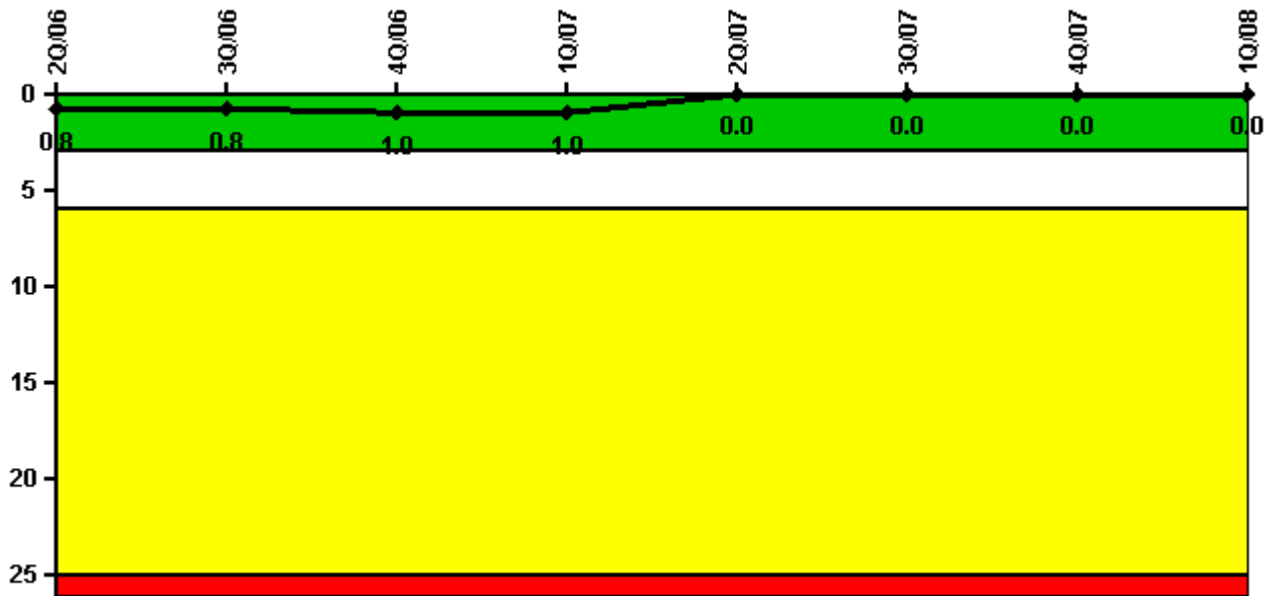
Last Modified: February 4, 2008

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1Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



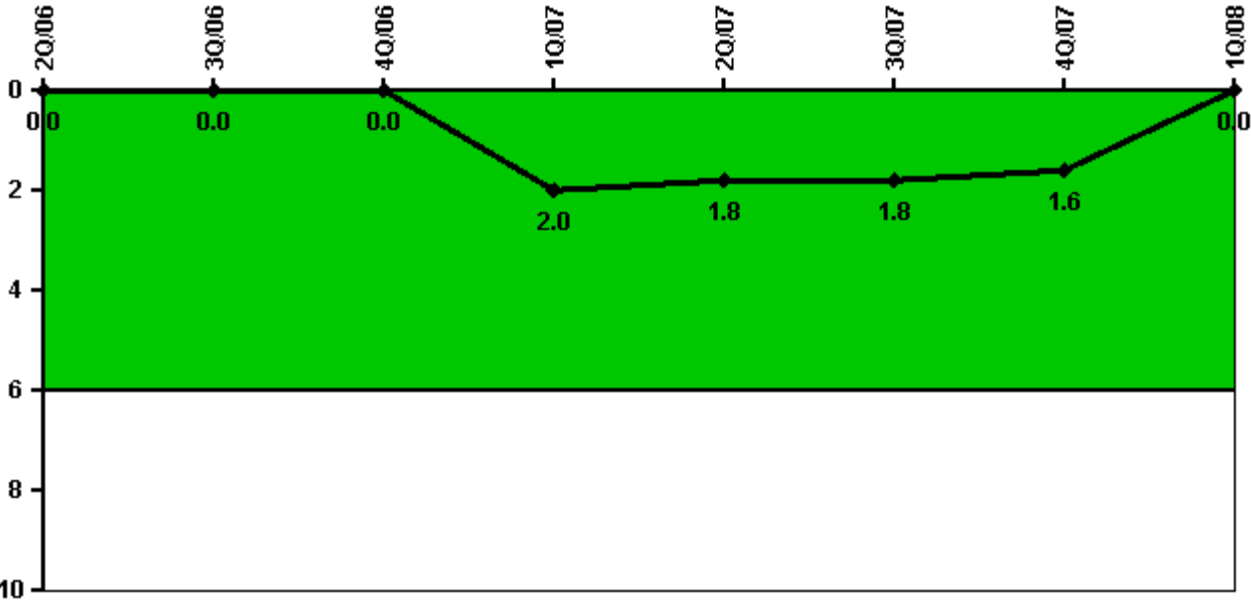
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	0
Critical hours	1674.8	2208.0	1043.6	2159.0	2184.0	2208.0	2209.0	2183.0
Indicator value	0.8	0.8	1.0	1.0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



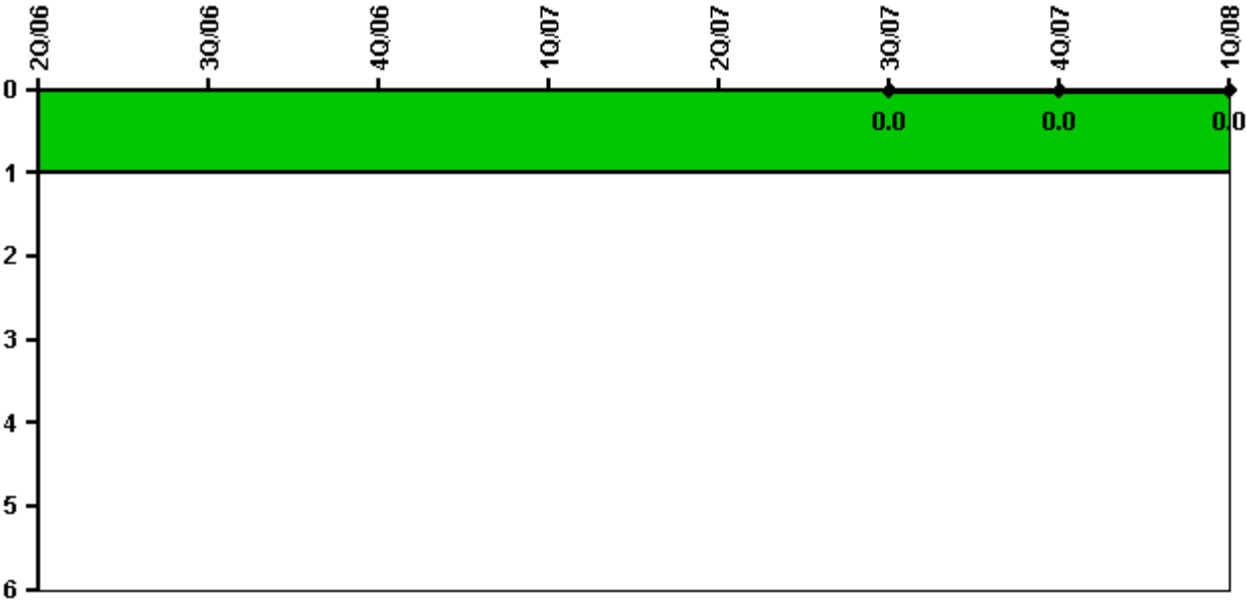
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	2.0	0	0	0	0
Critical hours	1674.8	2208.0	1043.6	2159.0	2184.0	2208.0	2209.0	2183.0
Indicator value	0	0	0	2.0	1.8	1.8	1.6	0

Licensee Comments: none

Unplanned Scrams with Complications



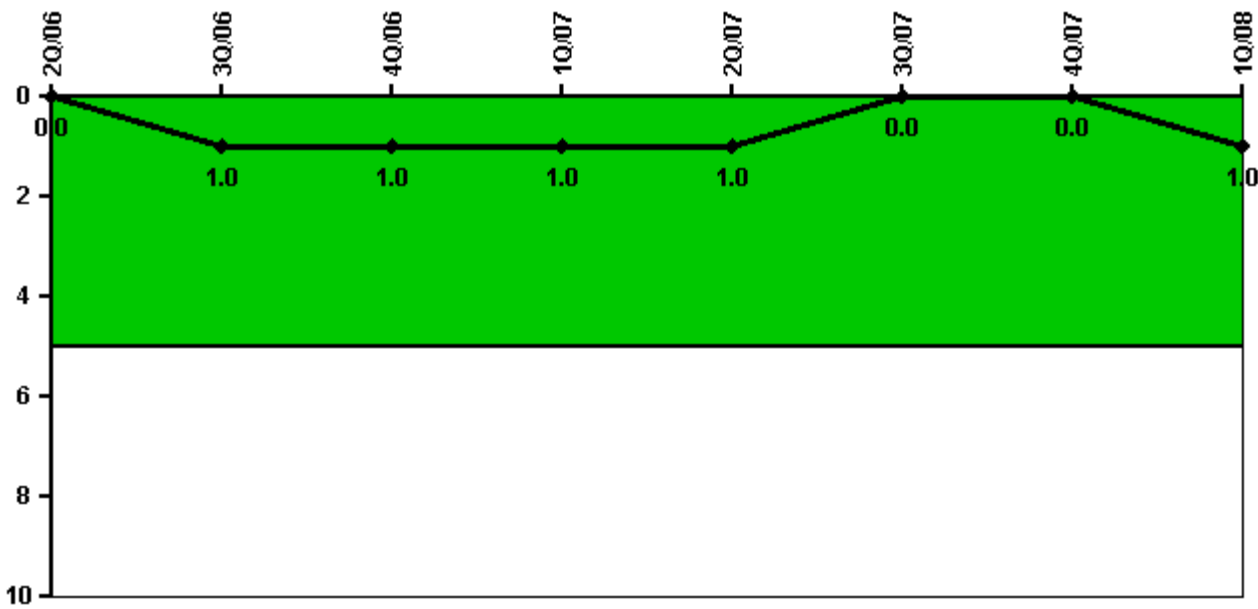
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	0	0	0	0
Indicator value						0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



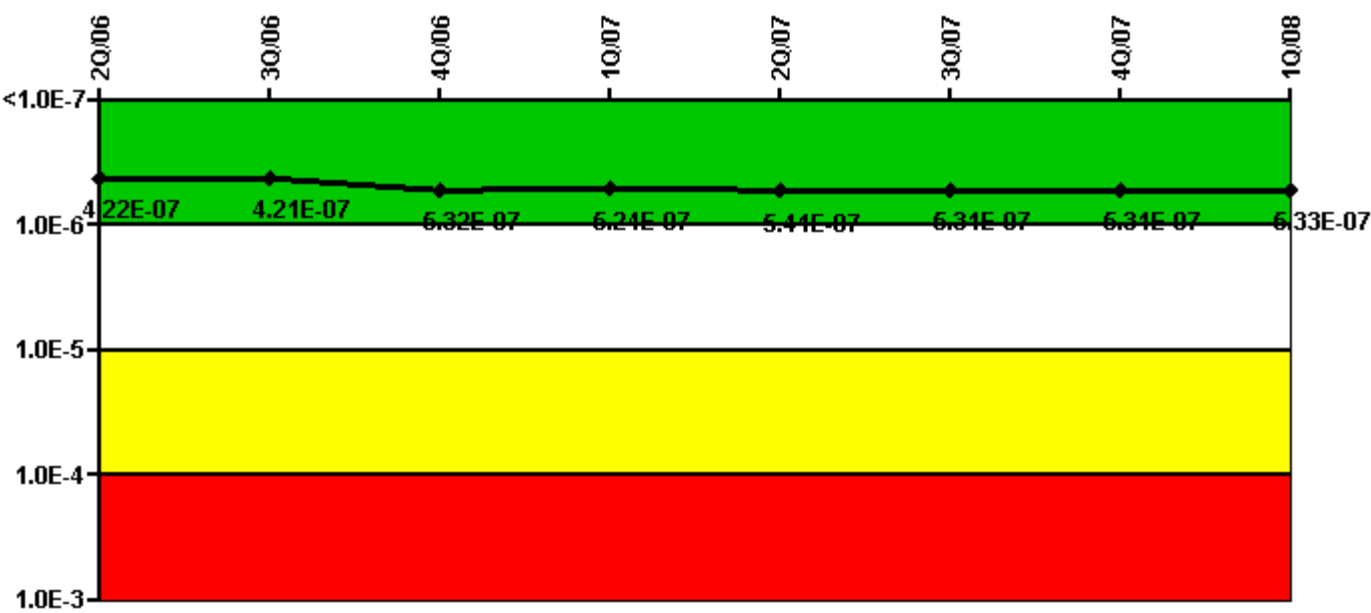
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



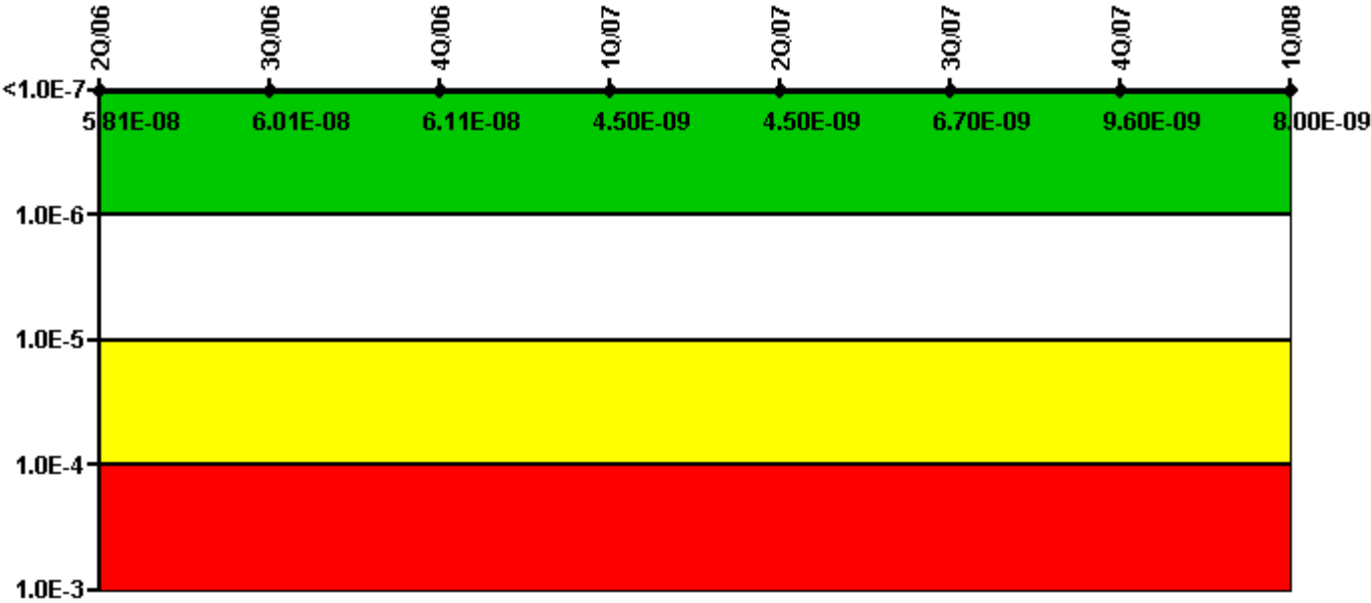
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-8.40E-09	-8.70E-09	-8.50E-09	-1.60E-08	1.10E-09	1.10E-09	1.10E-09	3.40E-09
URI (ΔCDF)	4.30E-07	4.30E-07	5.40E-07	5.40E-07	5.40E-07	5.30E-07	5.30E-07	5.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.22E-07	4.21E-07	5.32E-07	5.24E-07	5.41E-07	5.31E-07	5.31E-07	5.33E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



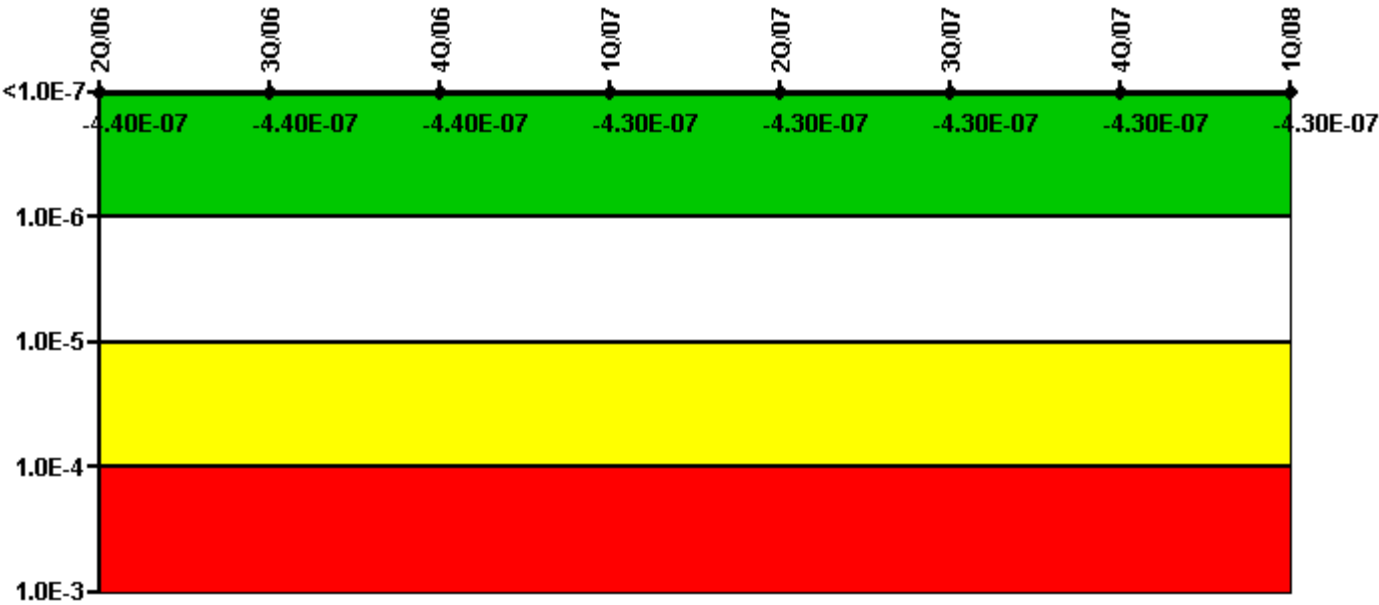
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	5.00E-08	5.20E-08	5.30E-08	-3.60E-09	-3.60E-09	-1.40E-09	-1.40E-09	-3.00E-09
URI (ΔCDF)	8.10E-09	8.10E-09	8.10E-09	8.10E-09	8.10E-09	8.10E-09	1.10E-08	1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.81E-08	6.01E-08	6.11E-08	4.50E-09	4.50E-09	6.70E-09	9.60E-09	8.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



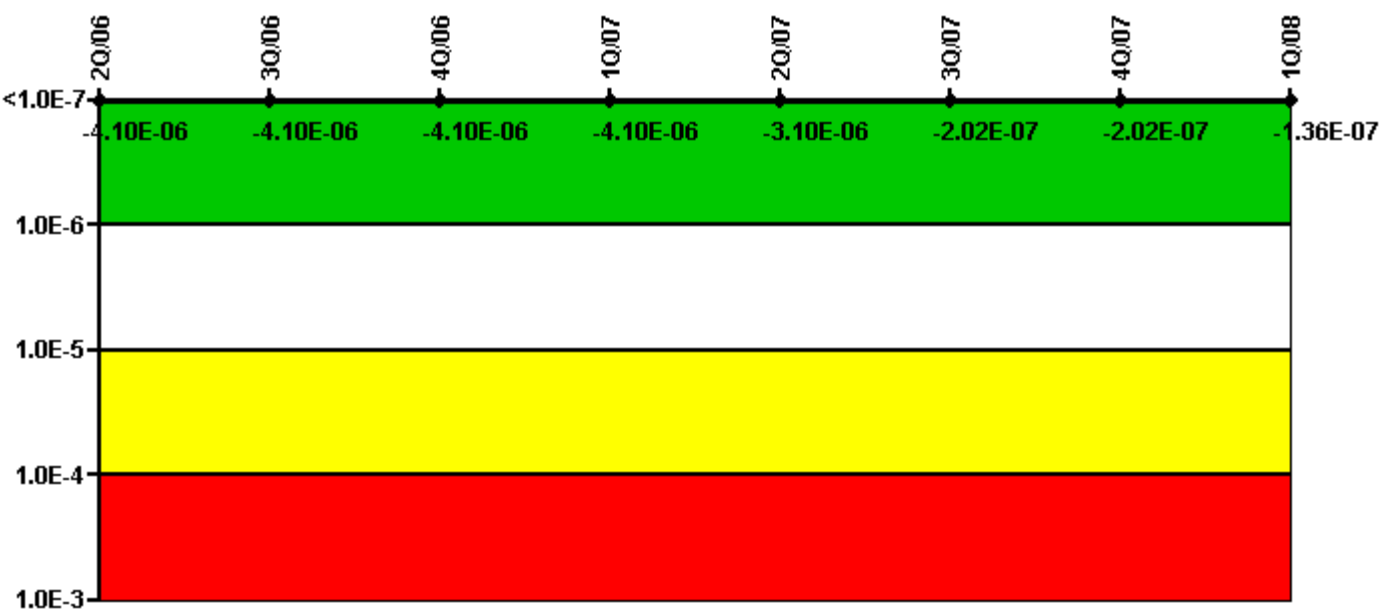
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)	-3.20E-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	-4.40E-07	-4.40E-07	-4.40E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

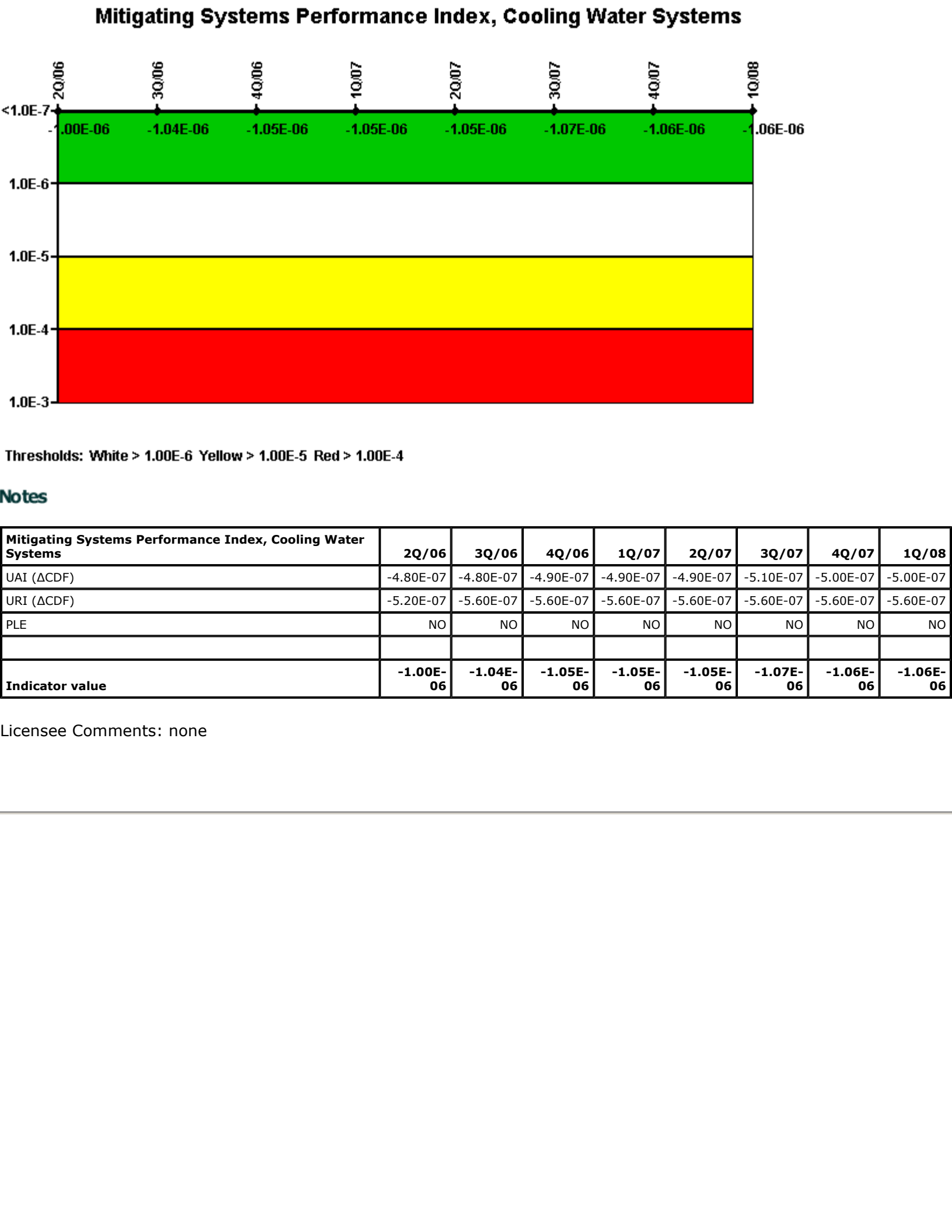


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

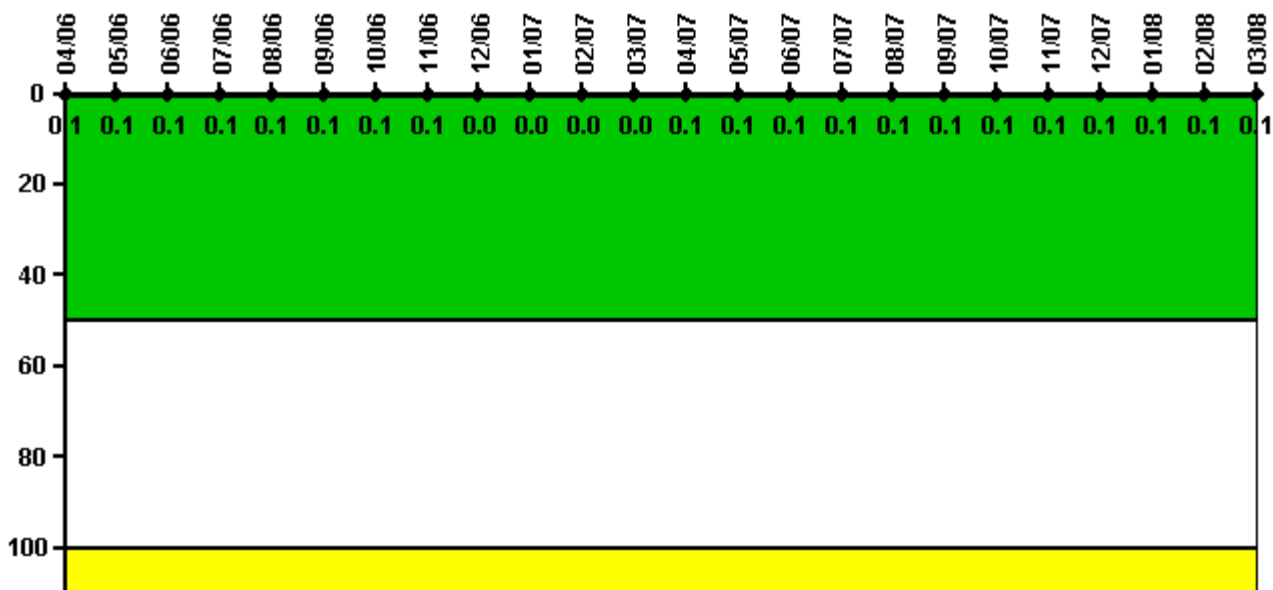
Notes

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)	-2.60E-06	-2.60E-06	-2.60E-06	-2.60E-06	-1.60E-06	-3.20E-08	-3.20E-08	3.40E-08
URI (ΔCDF)	-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-06	-4.10E-06	-4.10E-06	-4.10E-06	-3.10E-06	-2.02E-07	-2.02E-07	-1.36E-07

Licensee Comments: none



Reactor Coolant System Activity



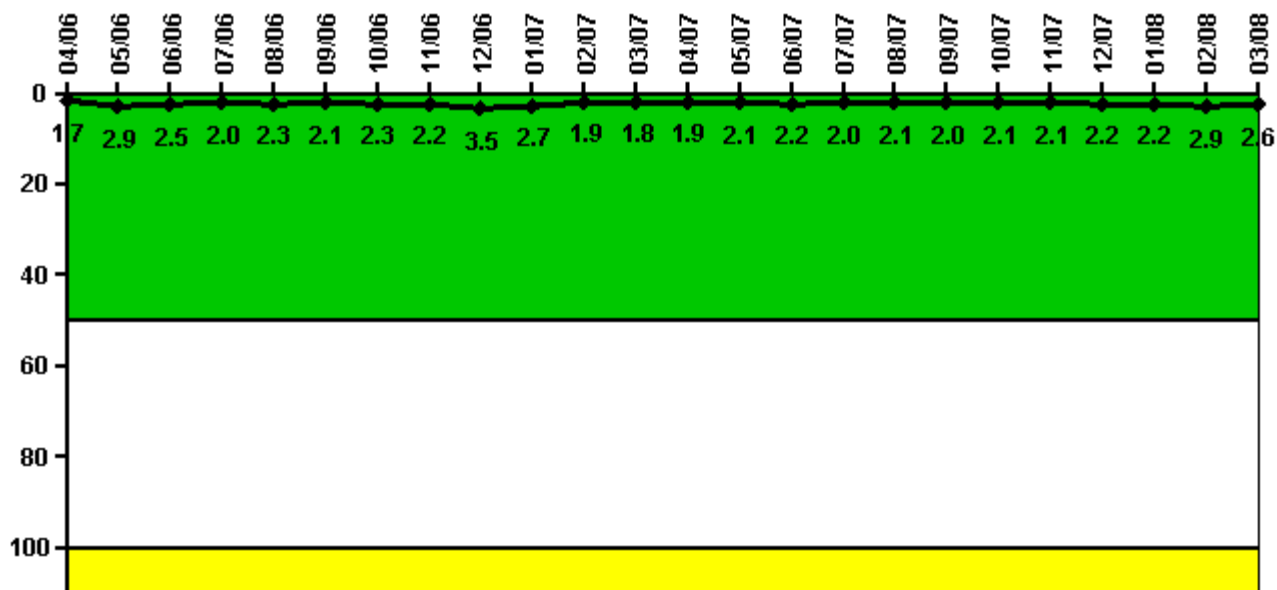
Thresholds: White > 50.0 Yellow > 100.0

Notes

[illegible]

Licensee Comments: none

Reactor Coolant System Leakage



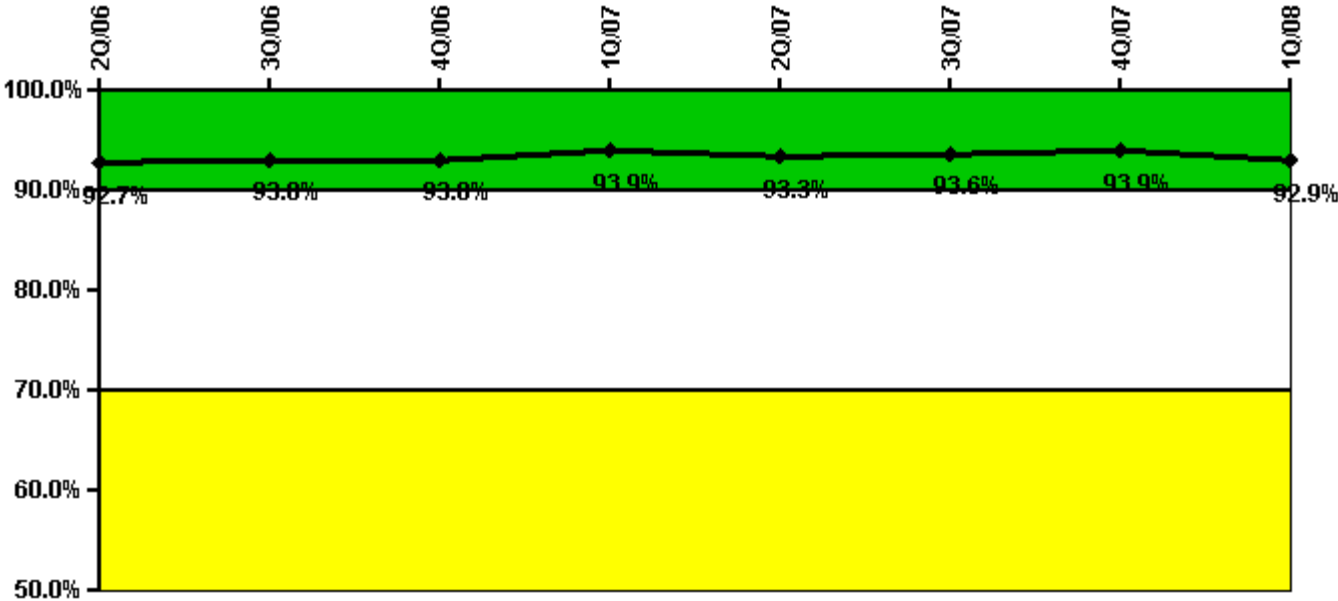
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.166	0.294	0.249	0.204	0.226	0.205	0.225	0.220	0.350	0.272	0.193	0.184
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.7	2.9	2.5	2.0	2.3	2.1	2.3	2.2	3.5	2.7	1.9	1.8
Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.187	0.214	0.215	0.203	0.211	0.204	0.212	0.214	0.218	0.223	0.287	0.263
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	2.1	2.2	2.0	2.1	2.0	2.1	2.1	2.2	2.2	2.9	2.6

Licensee Comments: none

Drill/Exercise Performance



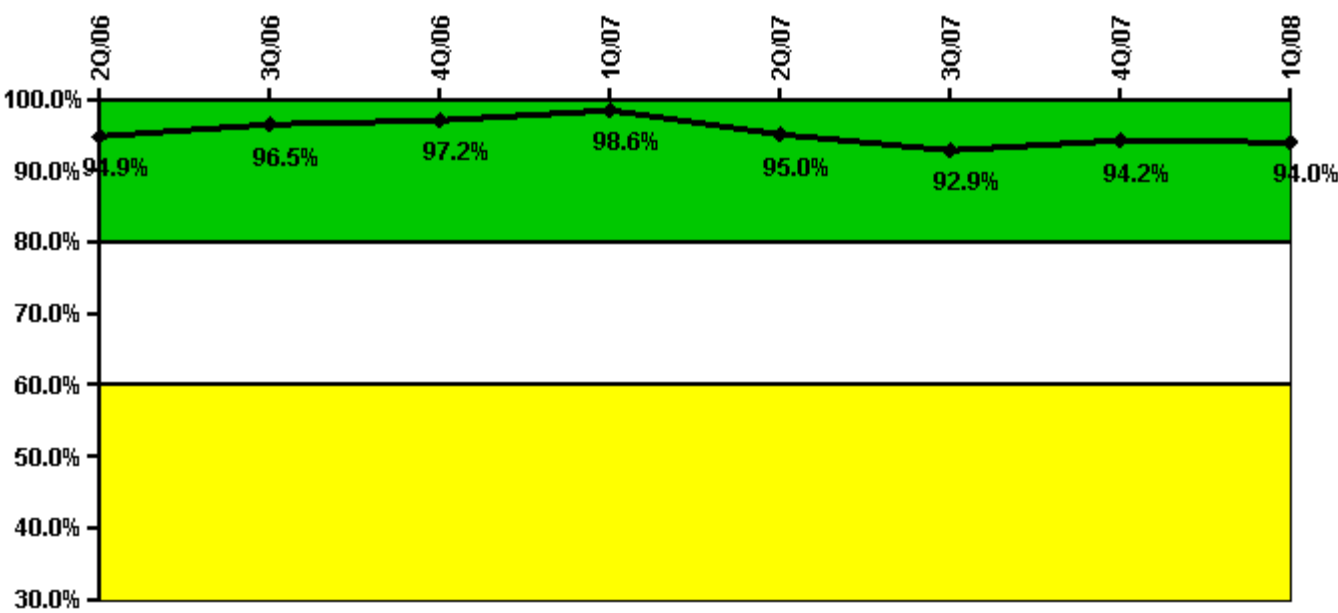
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	15.0	104.0	16.0	73.0	54.0	95.0	24.0	54.0
Total opportunities	18.0	116.0	16.0	76.0	60.0	98.0	24.0	60.0
Indicator value	92.7%	93.0%	93.0%	93.9%	93.3%	93.6%	93.9%	92.9%

Licensee Comments: none

ERO Drill Participation



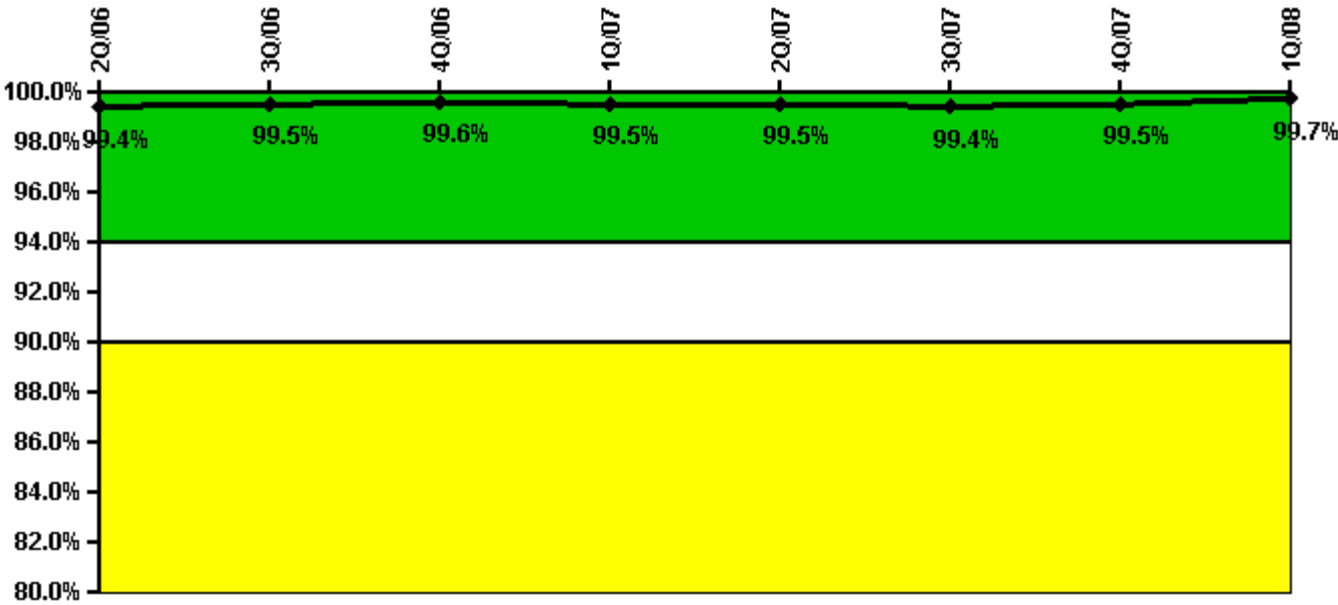
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	131.0	138.0	138.0	140.0	132.0	130.0	130.0	125.0
Total Key personnel	138.0	143.0	142.0	142.0	139.0	140.0	138.0	133.0
Indicator value	94.9%	96.5%	97.2%	98.6%	95.0%	92.9%	94.2%	94.0%

Licensee Comments: none

Alert & Notification System



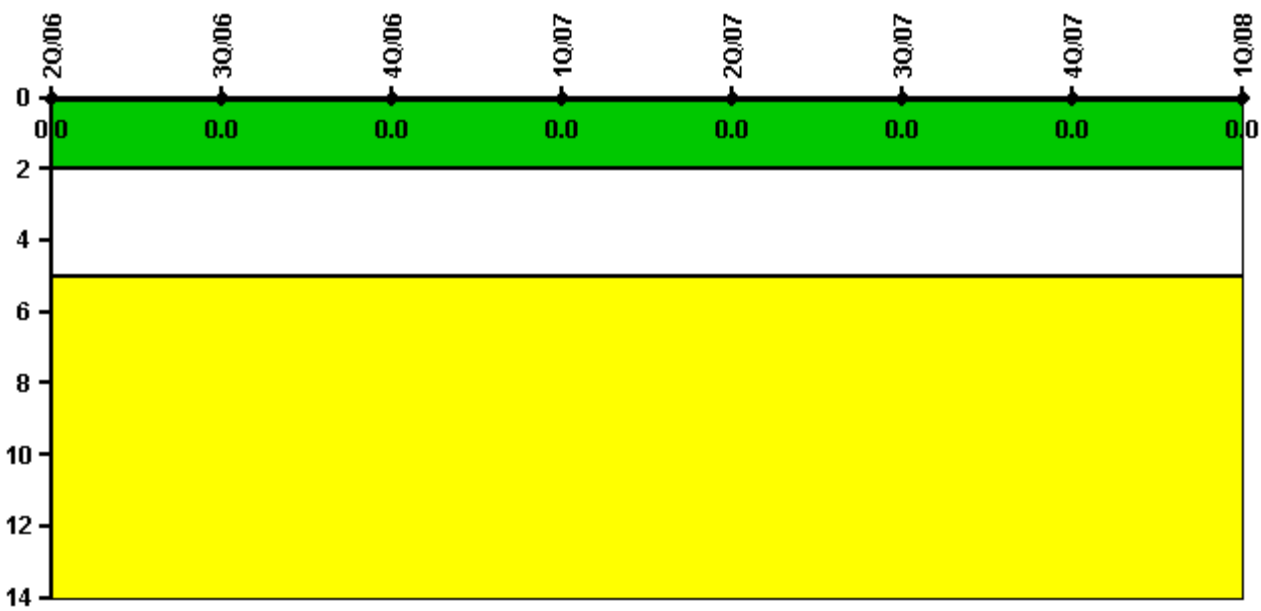
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	2392	2393	2395	2383	2394	2386	2400	2400
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.4%	99.5%	99.6%	99.5%	99.5%	99.4%	99.5%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	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/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](#)

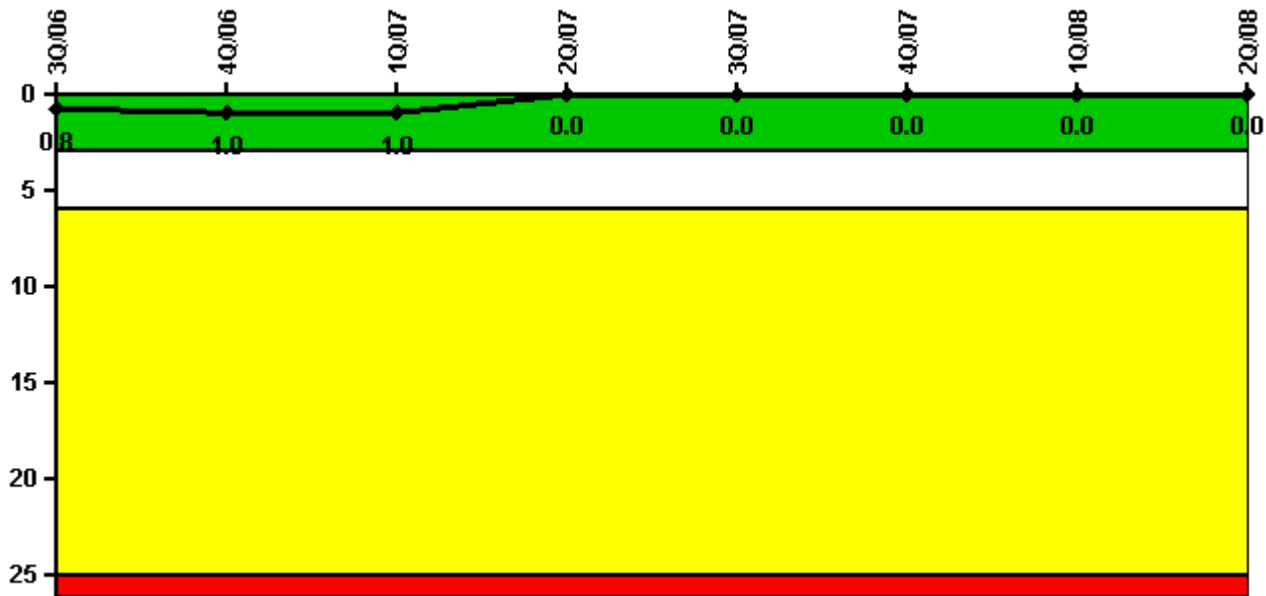
Last Modified: April 30, 2008

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2Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



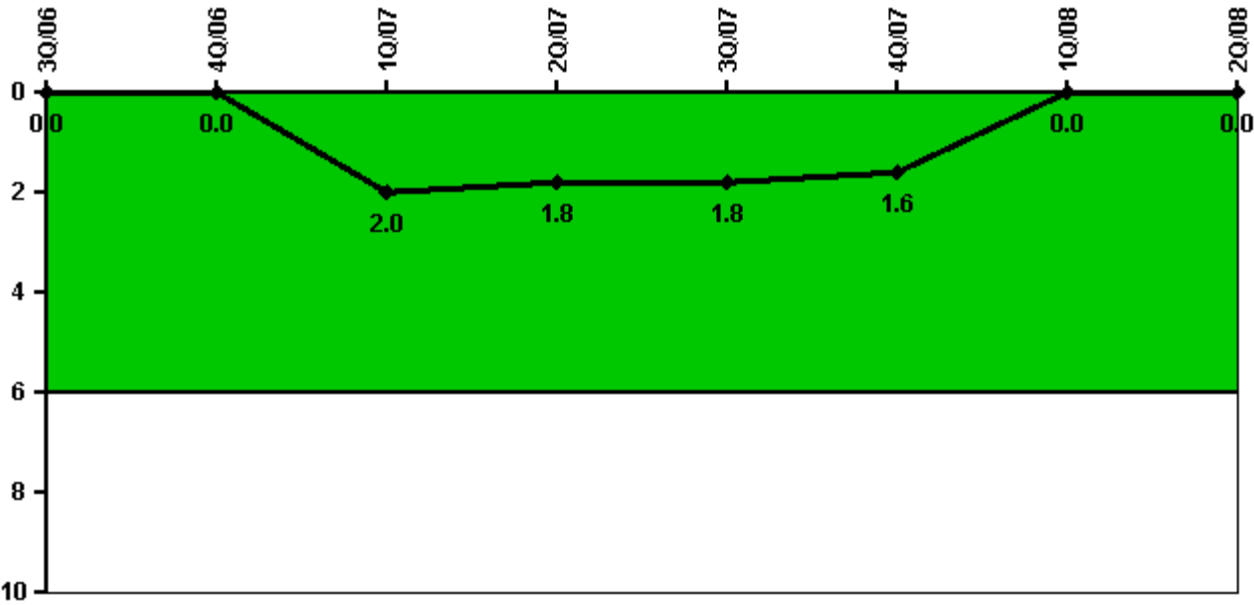
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1043.6	2159.0	2184.0	2208.0	2209.0	2183.0	1044.0
Indicator value	0.8	1.0	1.0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



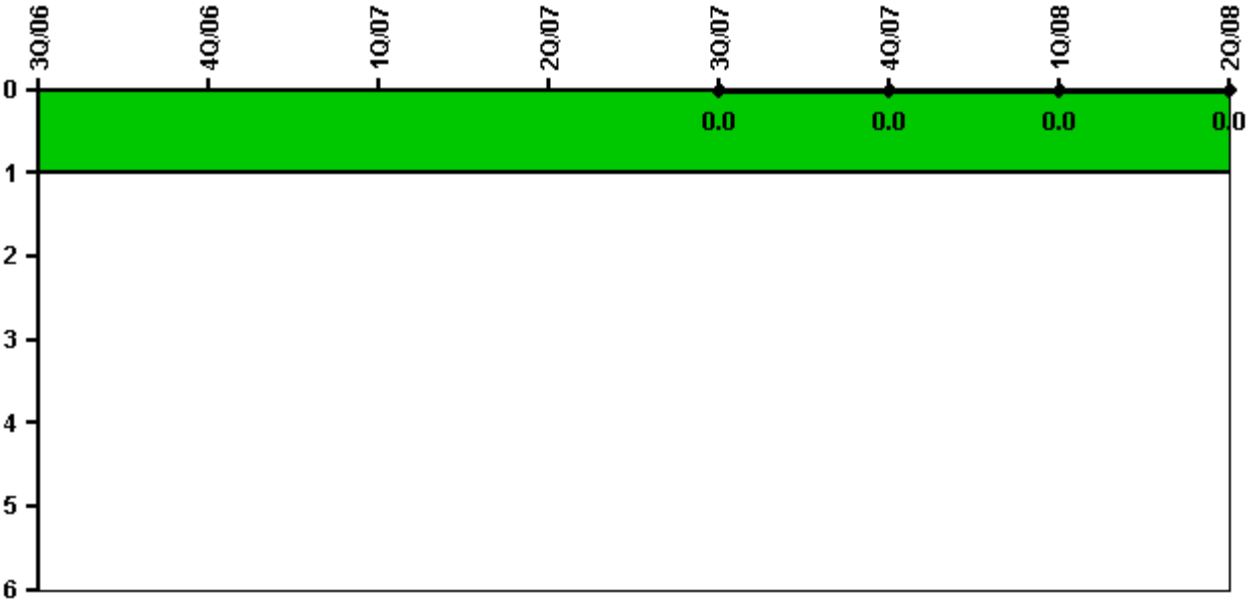
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	2.0	0	0	0	0	0
Critical hours	2208.0	1043.6	2159.0	2184.0	2208.0	2209.0	2183.0	1044.0
Indicator value	0	0	2.0	1.8	1.8	1.6	0	0

Licensee Comments: none

Unplanned Scrams with Complications



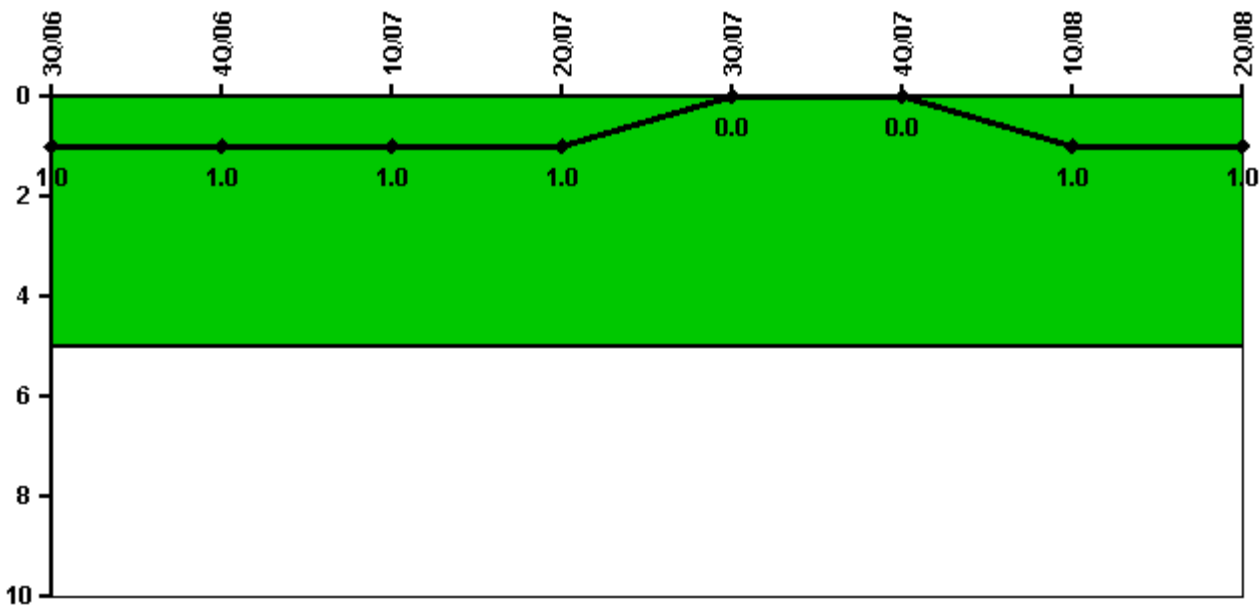
Thresholds: White > 1.0

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	0	0	0
Indicator value					0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



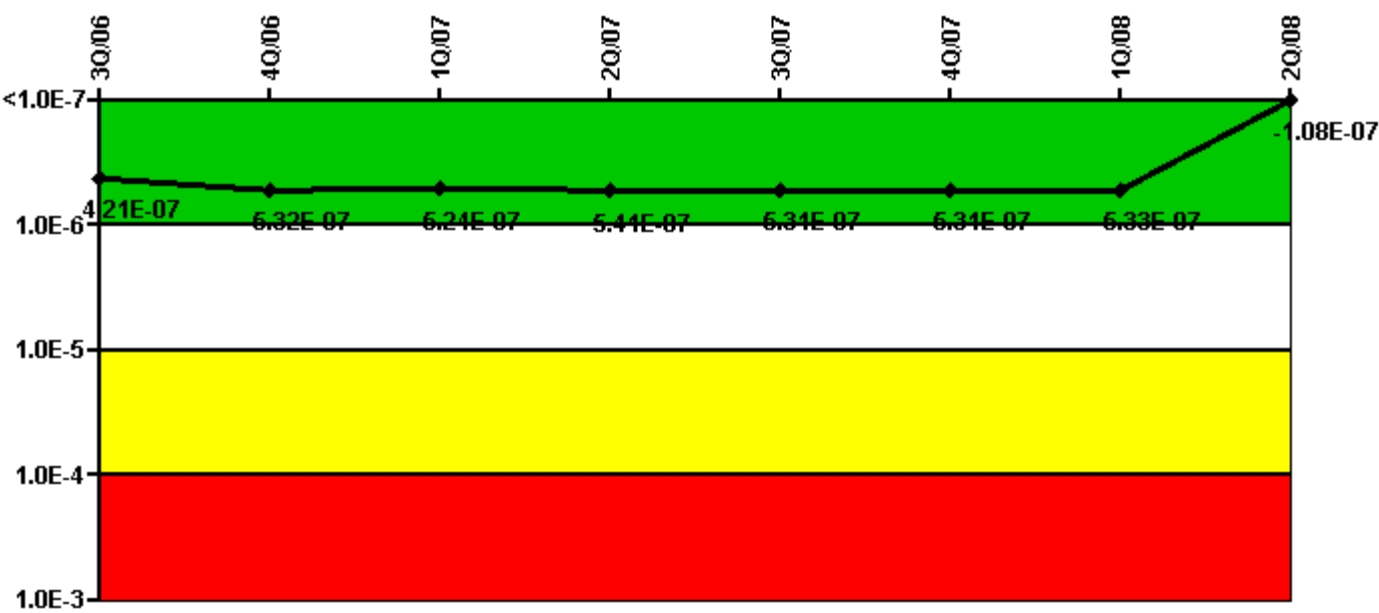
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



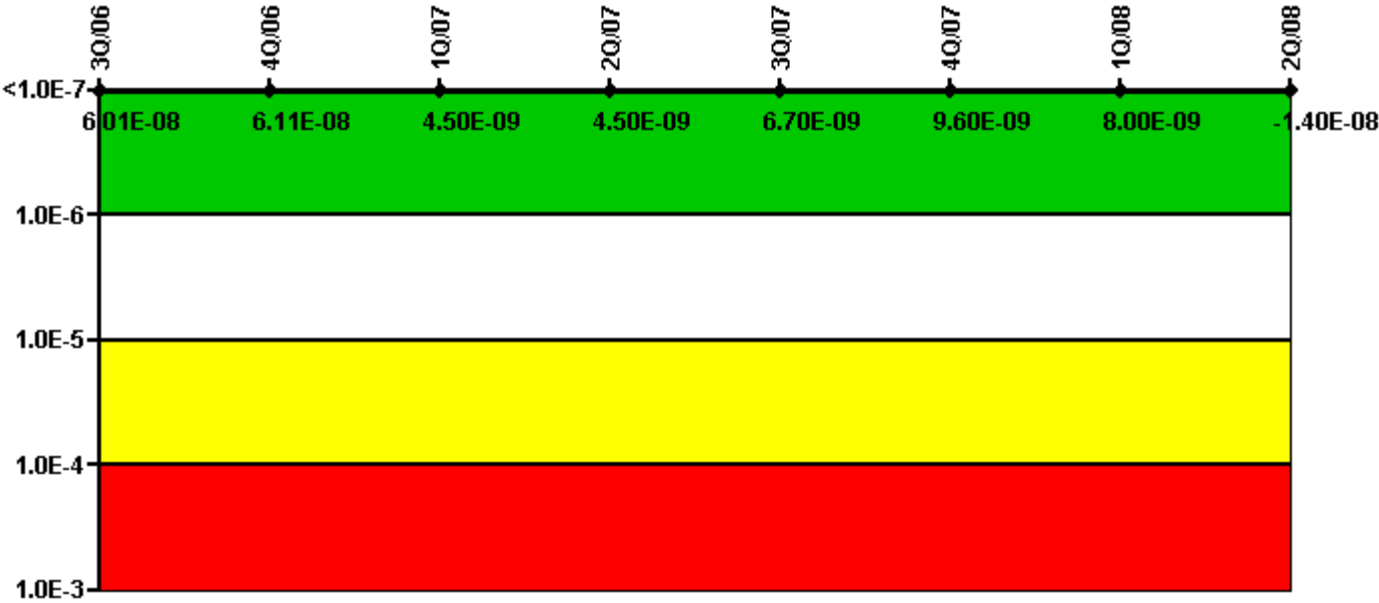
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-8.70E-09	-8.50E-09	-1.60E-08	1.10E-09	1.10E-09	1.10E-09	3.40E-09	-1.50E-08
URI (ΔCDF)	4.30E-07	5.40E-07	5.40E-07	5.40E-07	5.30E-07	5.30E-07	5.30E-07	-9.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.21E-07	5.32E-07	5.24E-07	5.41E-07	5.31E-07	5.31E-07	5.33E-07	-1.08E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



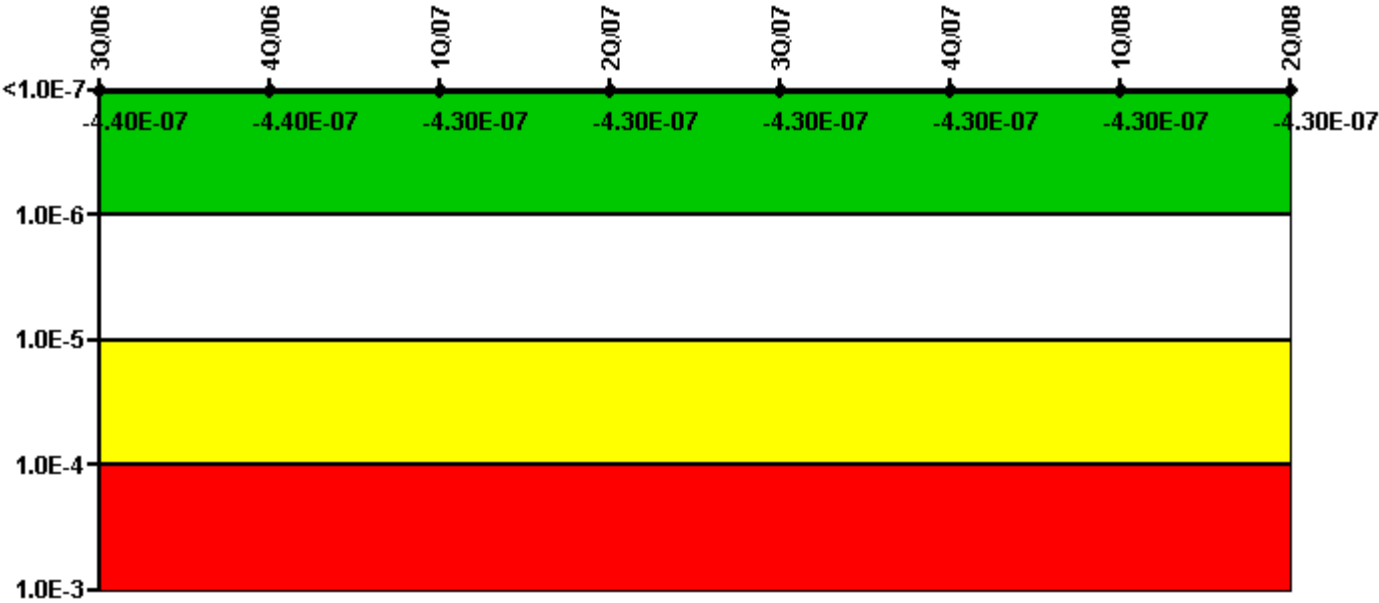
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	5.20E-08	5.30E-08	-3.60E-09	-3.60E-09	-1.40E-09	-1.40E-09	-3.00E-09	-3.00E-09
URI (ΔCDF)	8.10E-09	8.10E-09	8.10E-09	8.10E-09	8.10E-09	1.10E-08	1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.01E-08	6.11E-08	4.50E-09	4.50E-09	6.70E-09	9.60E-09	8.00E-09	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



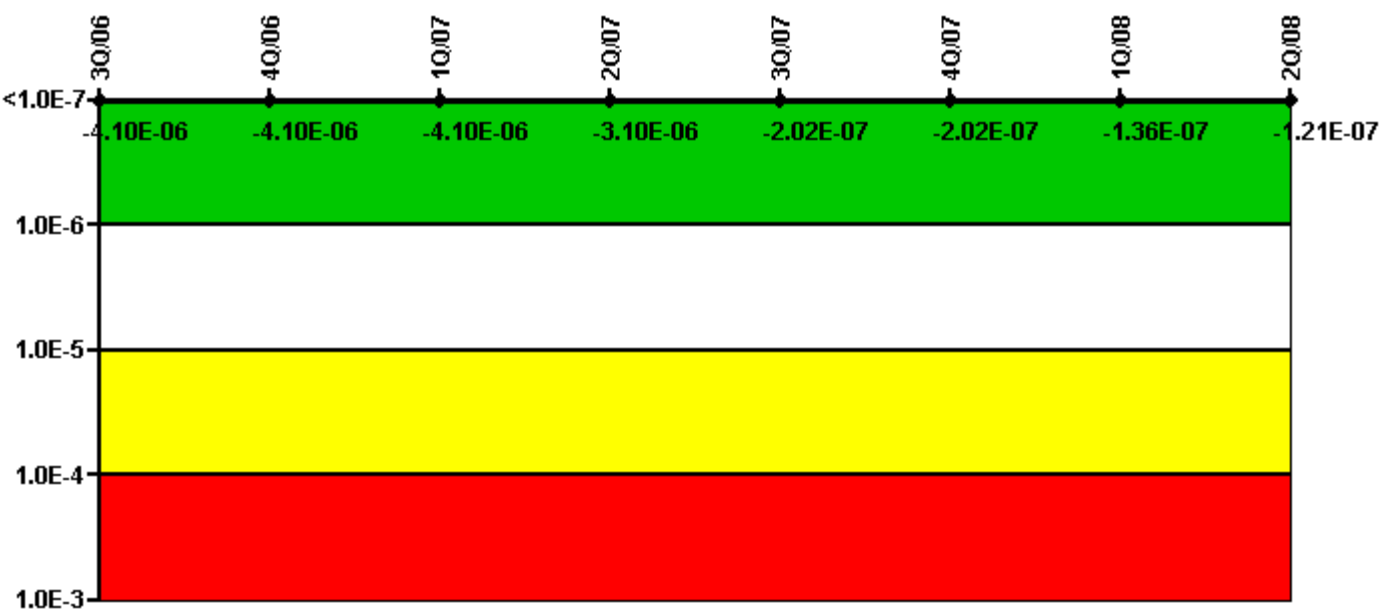
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)	-3.20E-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	-4.40E-07	-4.40E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

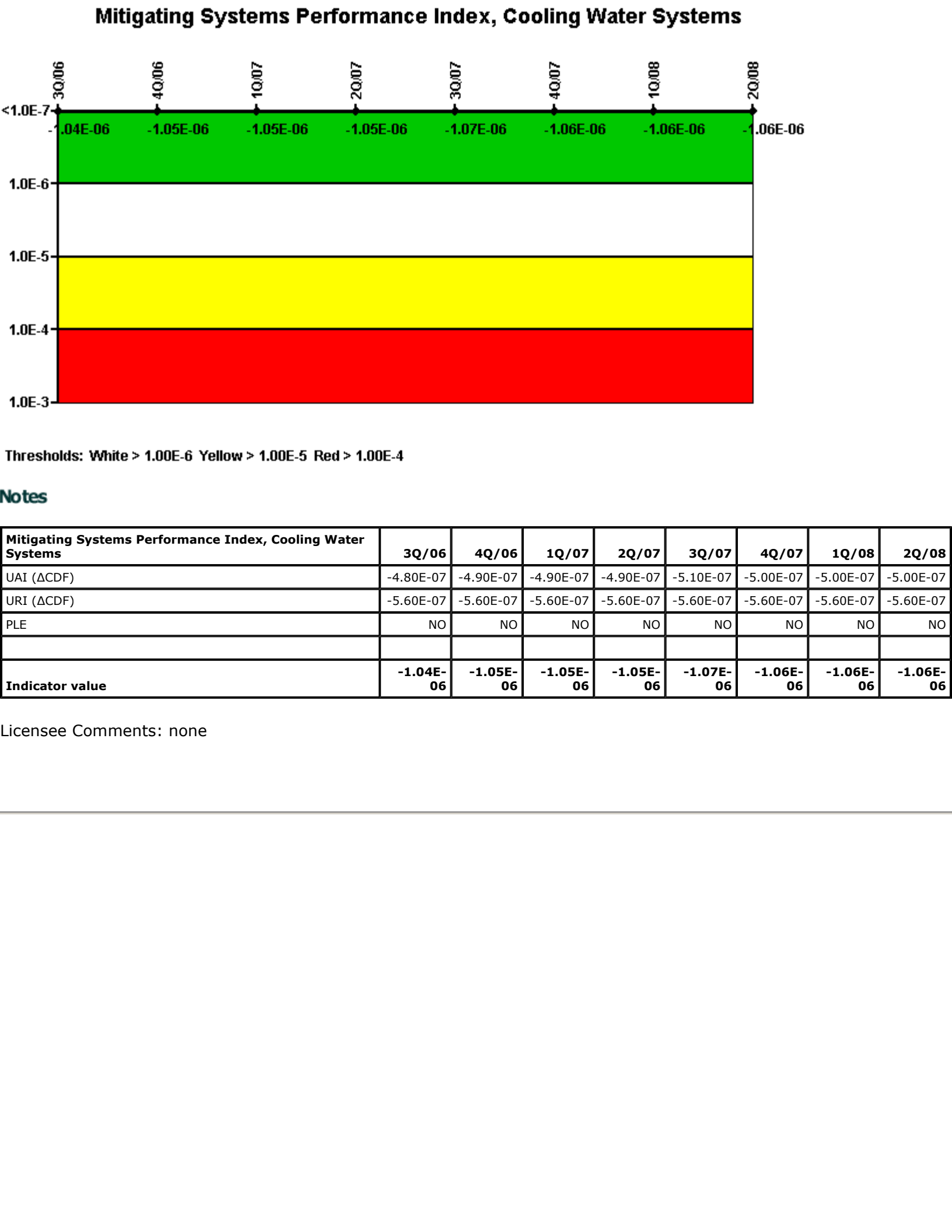


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

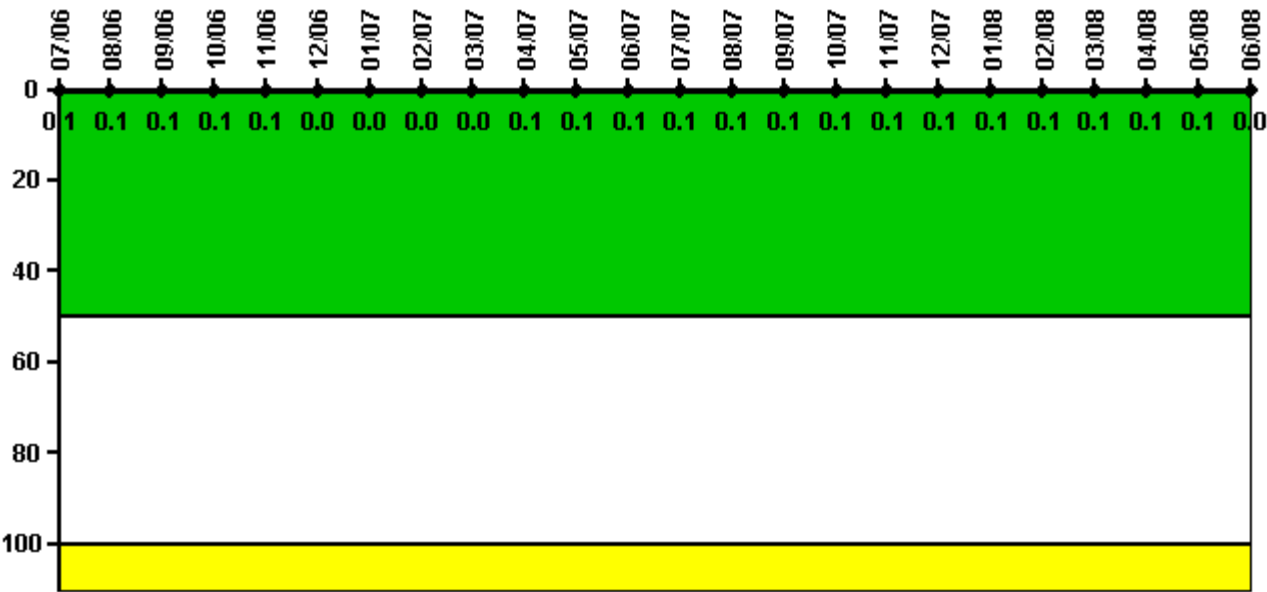
Notes

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)	-2.60E-06	-2.60E-06	-2.60E-06	-1.60E-06	-3.20E-08	-3.20E-08	3.40E-08	4.90E-08
URI (ΔCDF)	-1.50E-06	-1.50E-06	-1.50E-06	-1.50E-06	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-06	-4.10E-06	-4.10E-06	-3.10E-06	-2.02E-07	-2.02E-07	-1.36E-07	-1.21E-07

Licensee Comments: none



Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

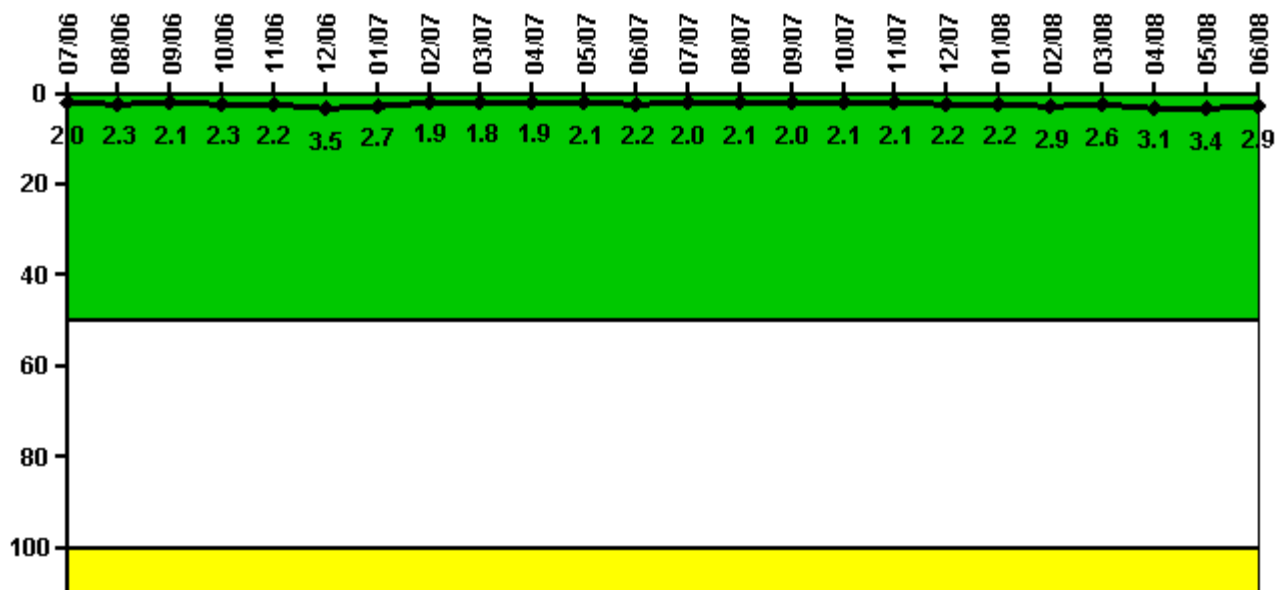
Notes

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	0.000383	0.000415	0.000399	0.000427	0.000418	0	0.000225	0.000203	0.000215	0.000253	0.000256	0.000255
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0.1	0.1

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000302	0.000269	0.000277	0.000302	0.000307	0.000323	0.000328	0.000324	0.000353	0.000332	0.000383	0.000149
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



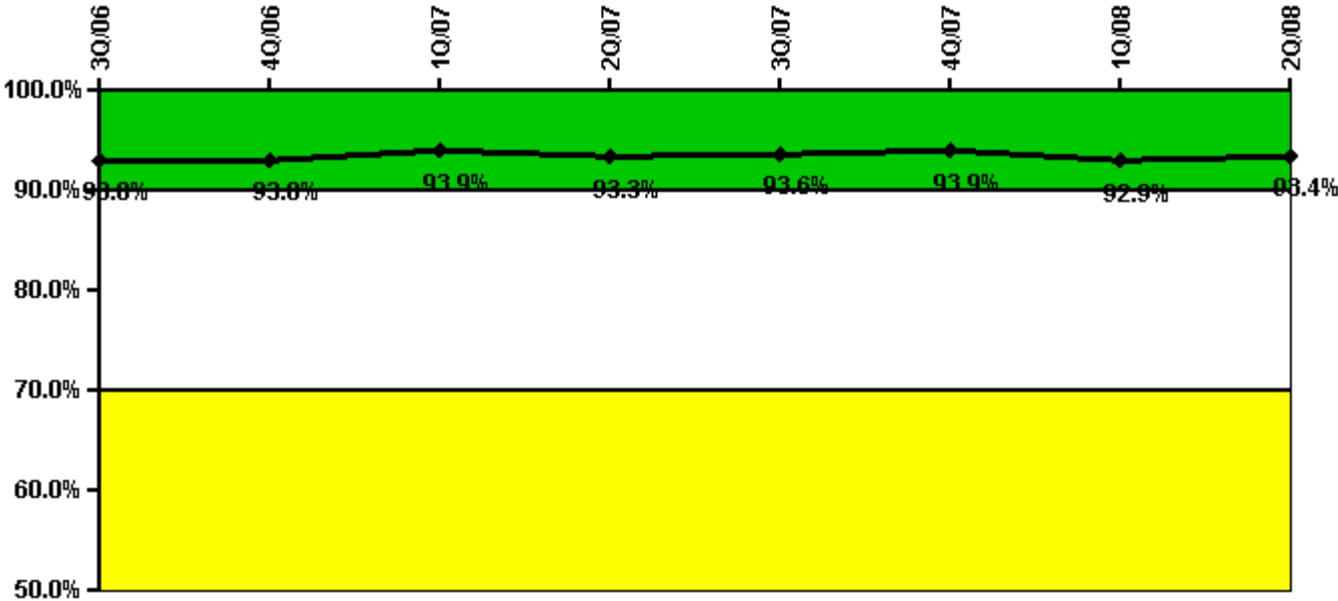
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.204	0.226	0.205	0.225	0.220	0.350	0.272	0.193	0.184	0.187	0.214	0.215
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	2.3	2.1	2.3	2.2	3.5	2.7	1.9	1.8	1.9	2.1	2.2
Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.203	0.211	0.204	0.212	0.214	0.218	0.223	0.287	0.263	0.307	0.341	0.289
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	2.1	2.0	2.1	2.1	2.2	2.2	2.9	2.6	3.1	3.4	2.9

Licensee Comments: none

Drill/Exercise Performance



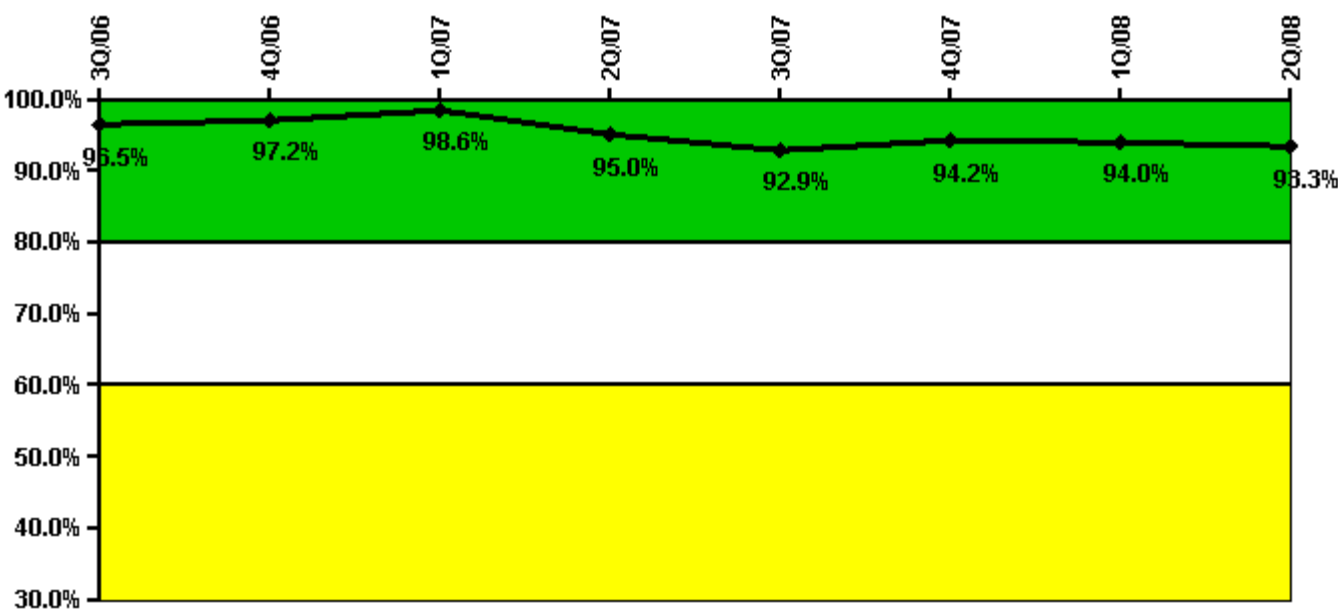
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	104.0	16.0	73.0	54.0	95.0	24.0	54.0	36.0
Total opportunities	116.0	16.0	76.0	60.0	98.0	24.0	60.0	38.0
Indicator value	93.0%	93.0%	93.9%	93.3%	93.6%	93.9%	92.9%	93.4%

Licensee Comments: none

ERO Drill Participation



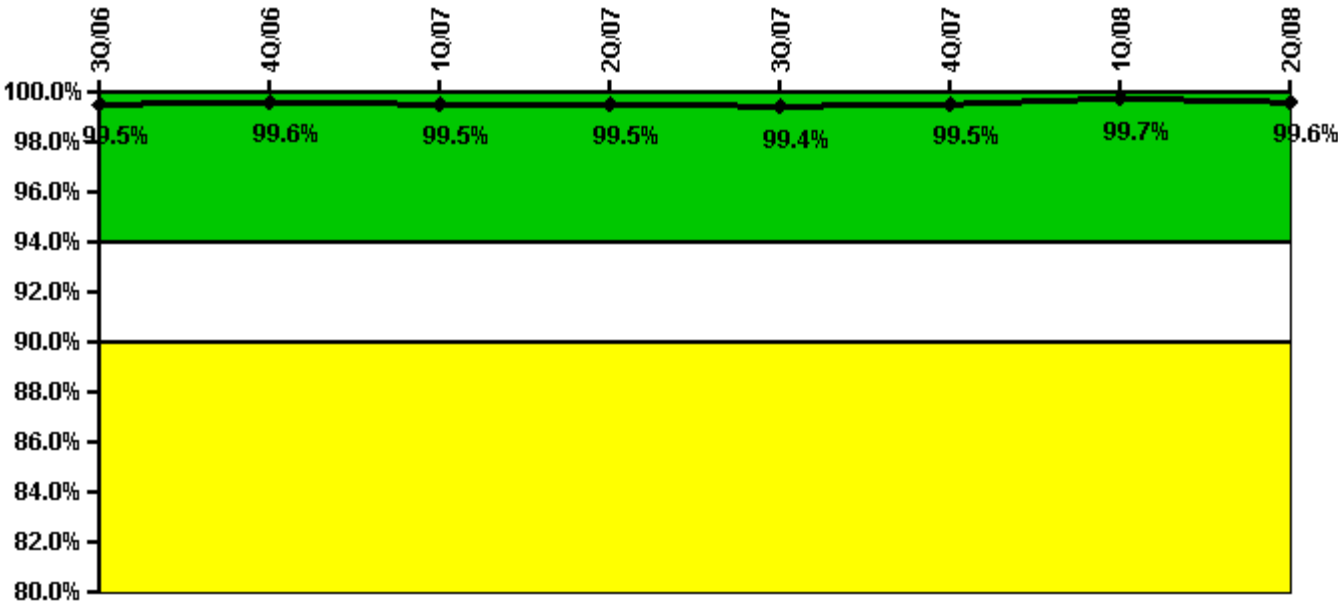
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	138.0	138.0	140.0	132.0	130.0	130.0	125.0	125.0
Total Key personnel	143.0	142.0	142.0	139.0	140.0	138.0	133.0	134.0
Indicator value	96.5%	97.2%	98.6%	95.0%	92.9%	94.2%	94.0%	93.3%

Licensee Comments: none

Alert & Notification System



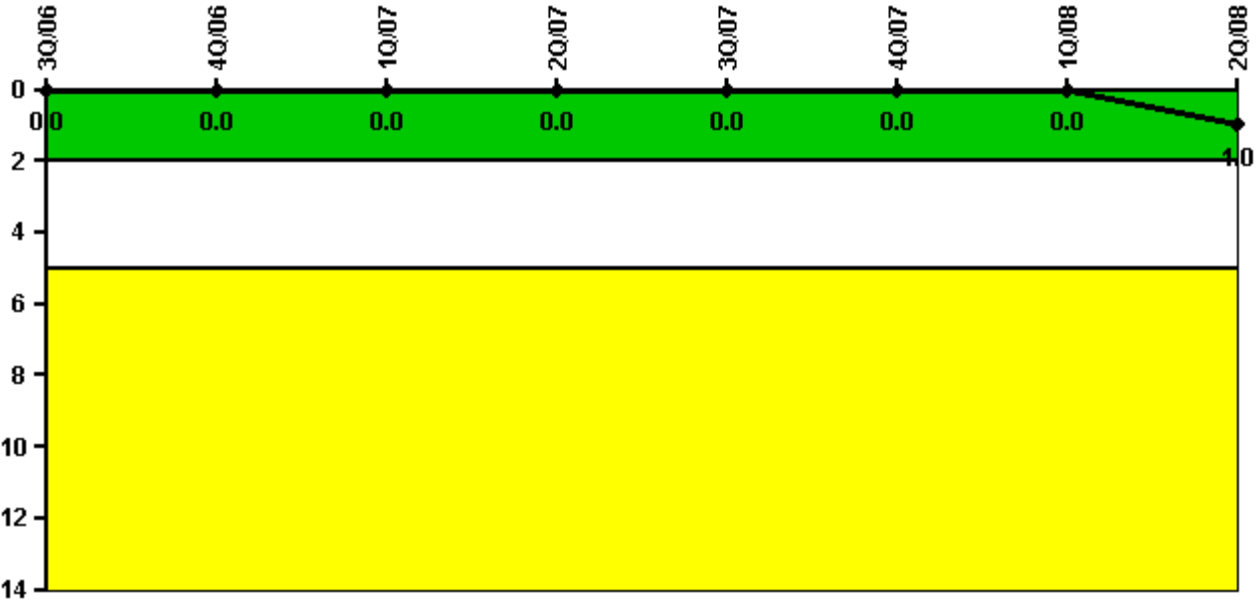
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	2393	2395	2383	2394	2386	2400	2400	2390
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.5%	99.6%	99.5%	99.5%	99.4%	99.5%	99.7%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
High radiation area occurrences	0	0	0	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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](#)

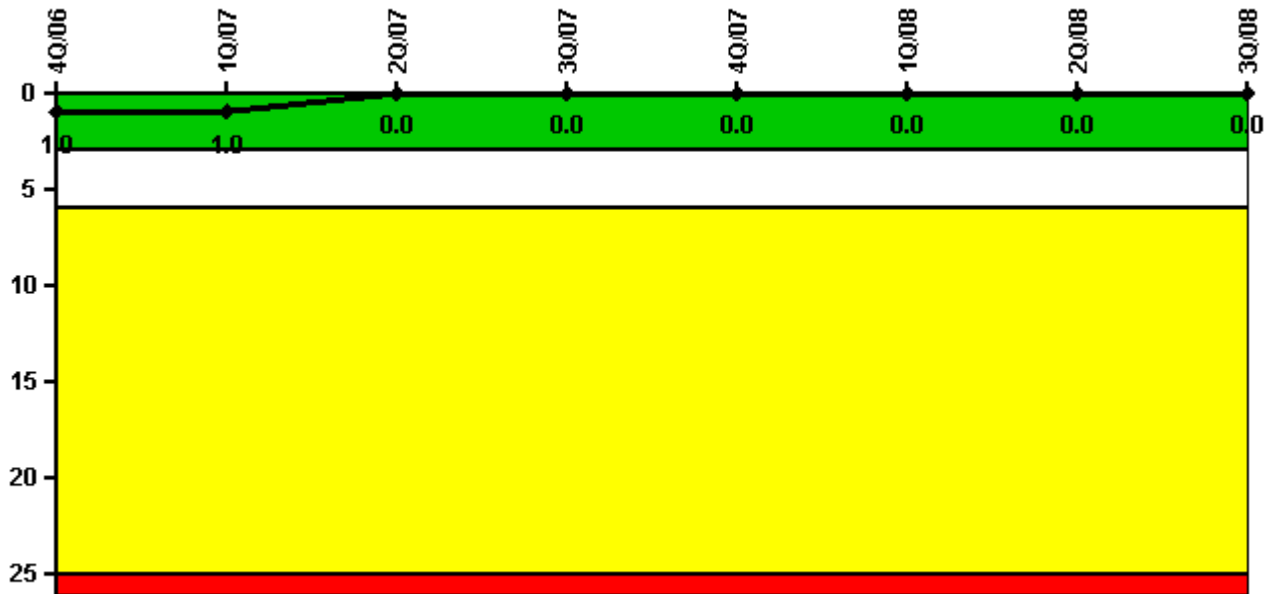
Last Modified: August 4, 2008

Catawba 1

3Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



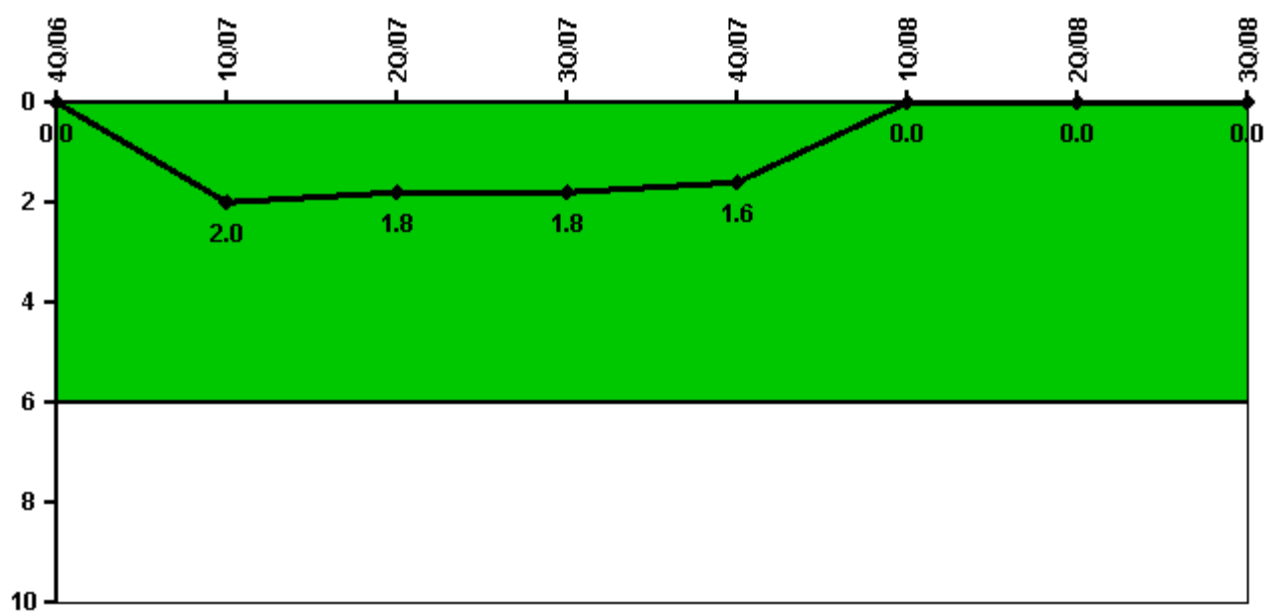
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1043.6	2159.0	2184.0	2208.0	2209.0	2183.0	1044.0	2208.0
Indicator value	1.0	1.0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



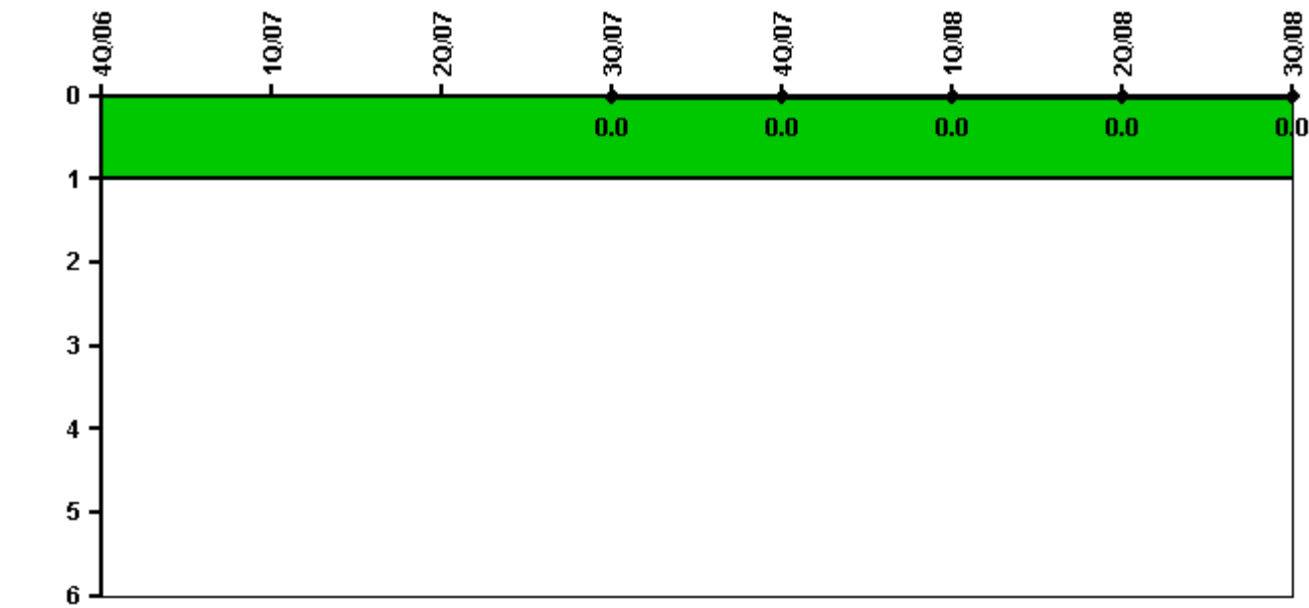
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	2.0	0	0	0	0	0	0
Critical hours	1043.6	2159.0	2184.0	2208.0	2209.0	2183.0	1044.0	2208.0
Indicator value	0	2.0	1.8	1.8	1.6	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



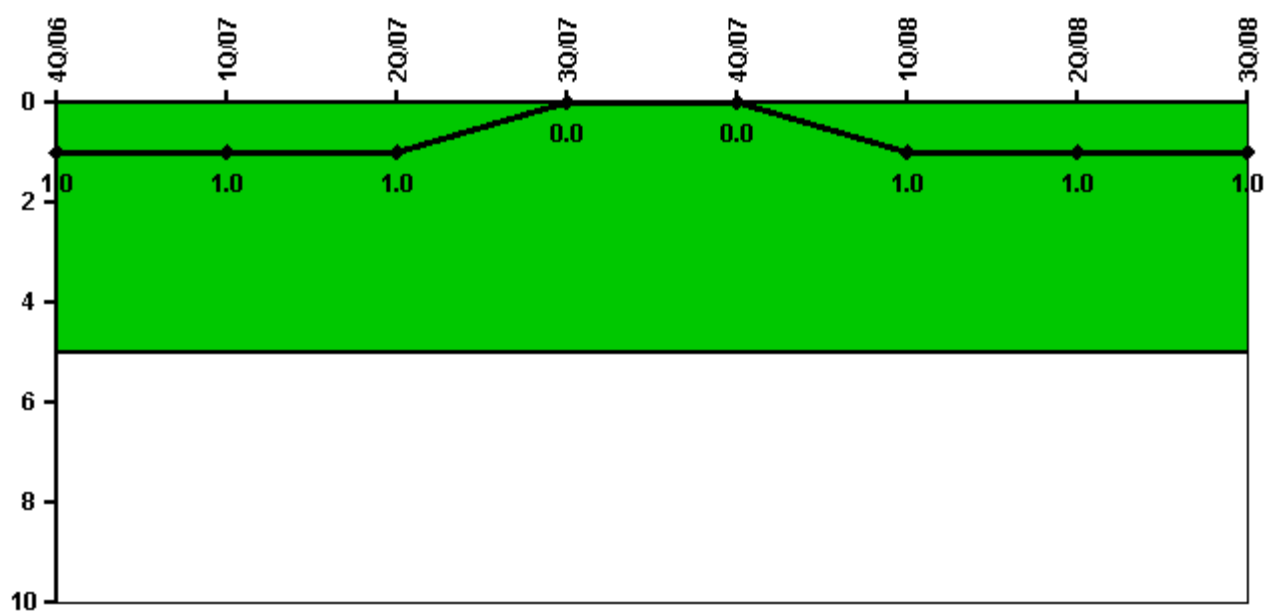
Thresholds: White > 1.0

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	0	0	0	0
Indicator value				0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



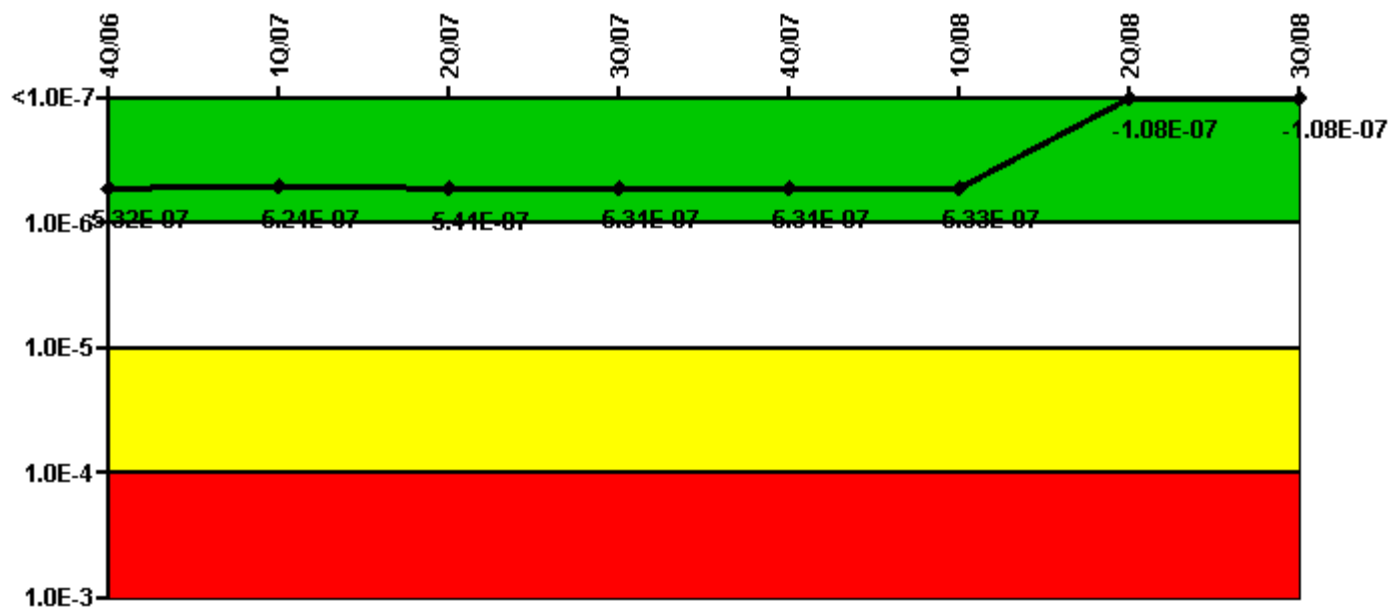
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



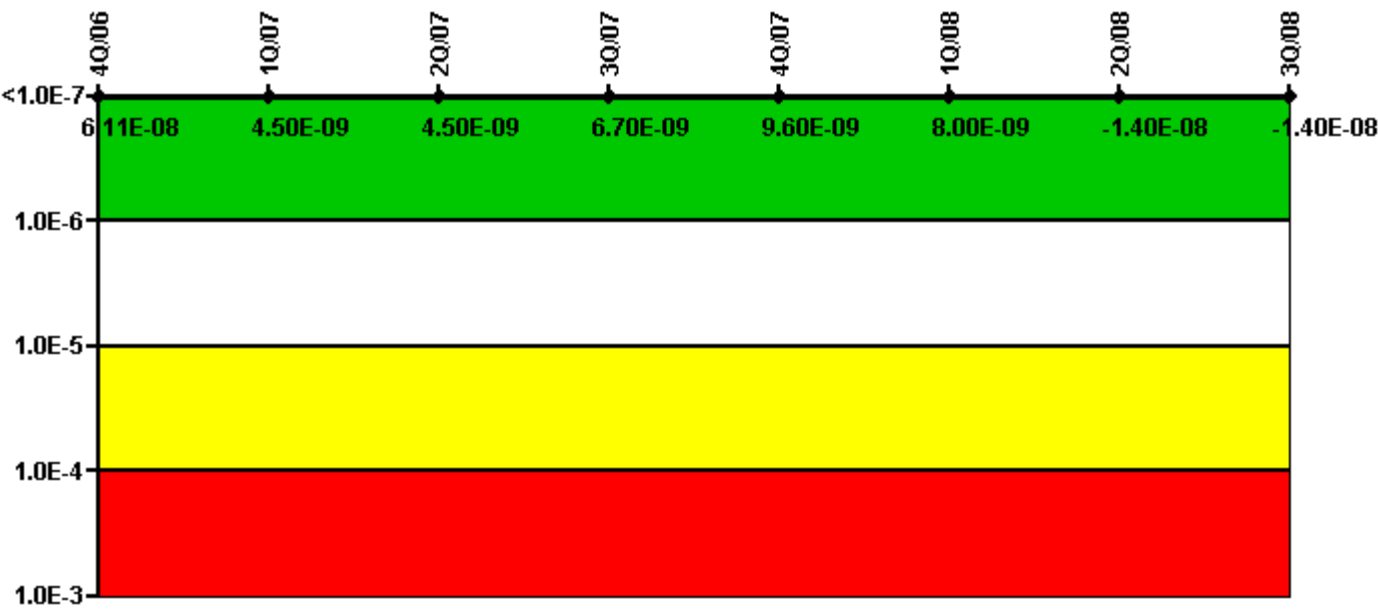
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-8.50E-09	-1.60E-08	1.10E-09	1.10E-09	1.10E-09	3.40E-09	-1.50E-08	-1.50E-08
URI (ΔCDF)	5.40E-07	5.40E-07	5.40E-07	5.30E-07	5.30E-07	5.30E-07	-9.30E-08	-9.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.32E-07	5.24E-07	5.41E-07	5.31E-07	5.31E-07	5.33E-07	-1.08E-07	-1.08E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



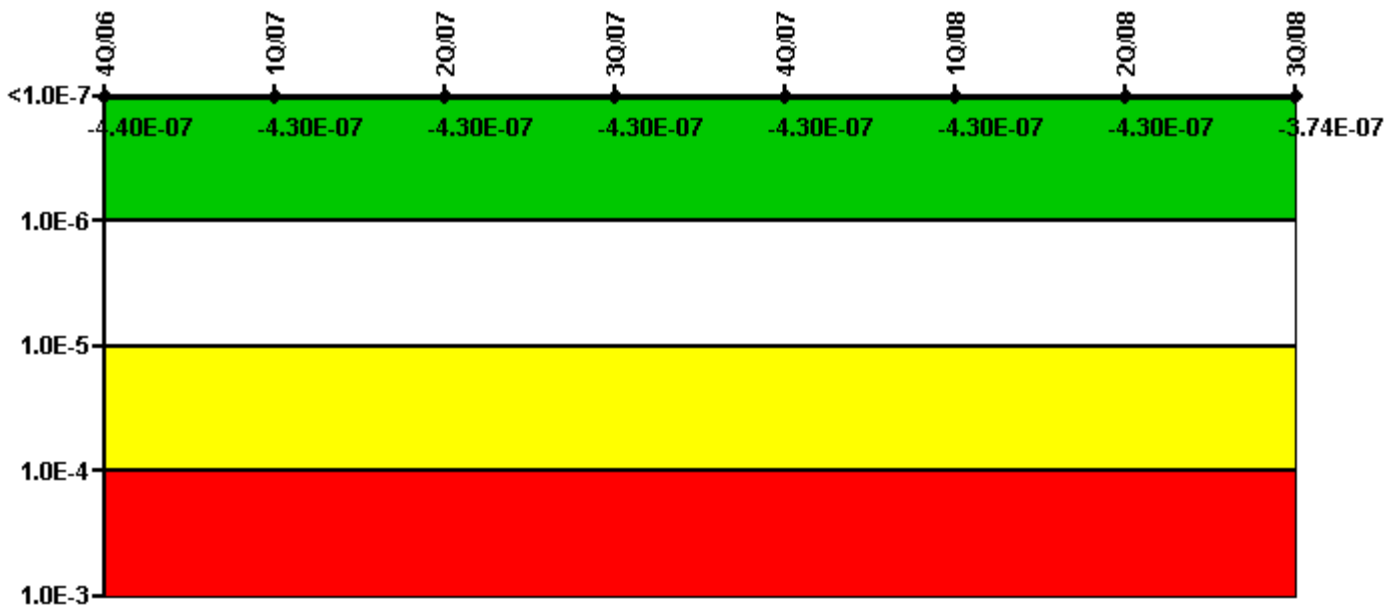
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	5.30E-08	-3.60E-09	-3.60E-09	-1.40E-09	-1.40E-09	-3.00E-09	-3.00E-09	-3.00E-09
URI (ΔCDF)	8.10E-09	8.10E-09	8.10E-09	8.10E-09	1.10E-08	1.10E-08	-1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.11E-08	4.50E-09	4.50E-09	6.70E-09	9.60E-09	8.00E-09	-1.40E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



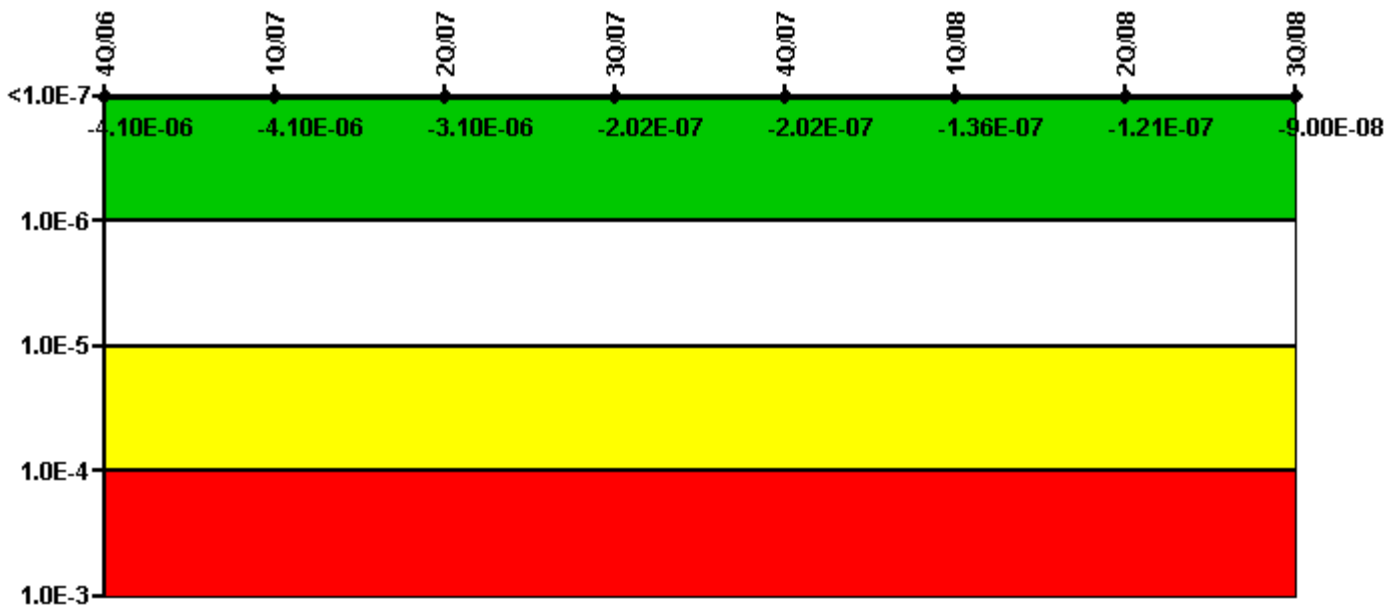
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-5.40E-08
URI (ΔCDF)	-3.20E-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	-4.40E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-3.74E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



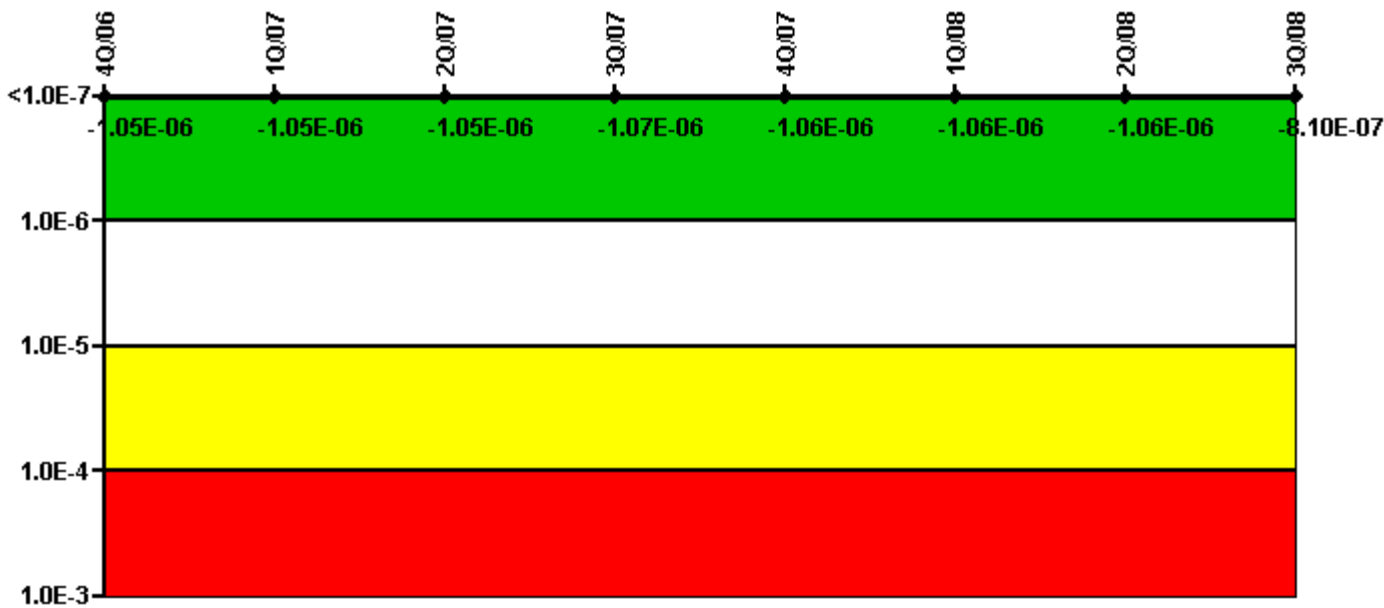
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-2.60E-06	-2.60E-06	-1.60E-06	-3.20E-08	-3.20E-08	3.40E-08	4.90E-08	8.00E-08
URI (ΔCDF)	-1.50E-06	-1.50E-06	-1.50E-06	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-06	-4.10E-06	-3.10E-06	-2.02E-07	-2.02E-07	-1.36E-07	-1.21E-07	-9.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



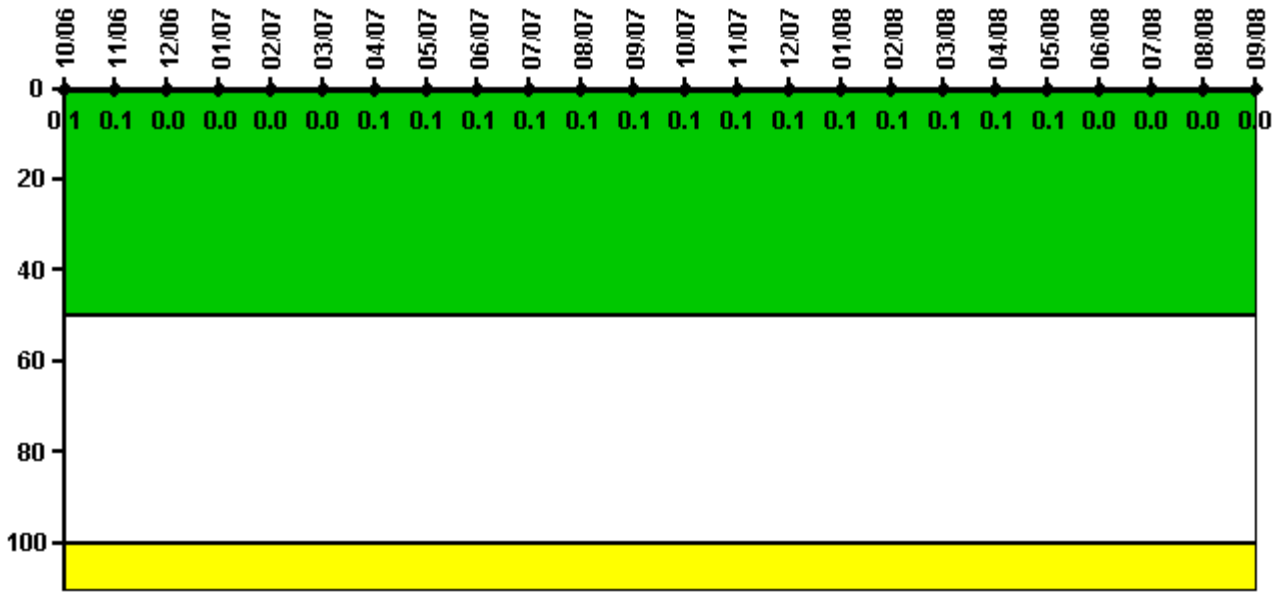
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-4.90E-07	-4.90E-07	-4.90E-07	-5.10E-07	-5.00E-07	-5.00E-07	-5.00E-07	-2.50E-07
URI (ΔCDF)	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.05E-06	-1.05E-06	-1.05E-06	-1.07E-06	-1.06E-06	-1.06E-06	-1.06E-06	-8.10E-07

Licensee Comments: none

Reactor Coolant System Activity



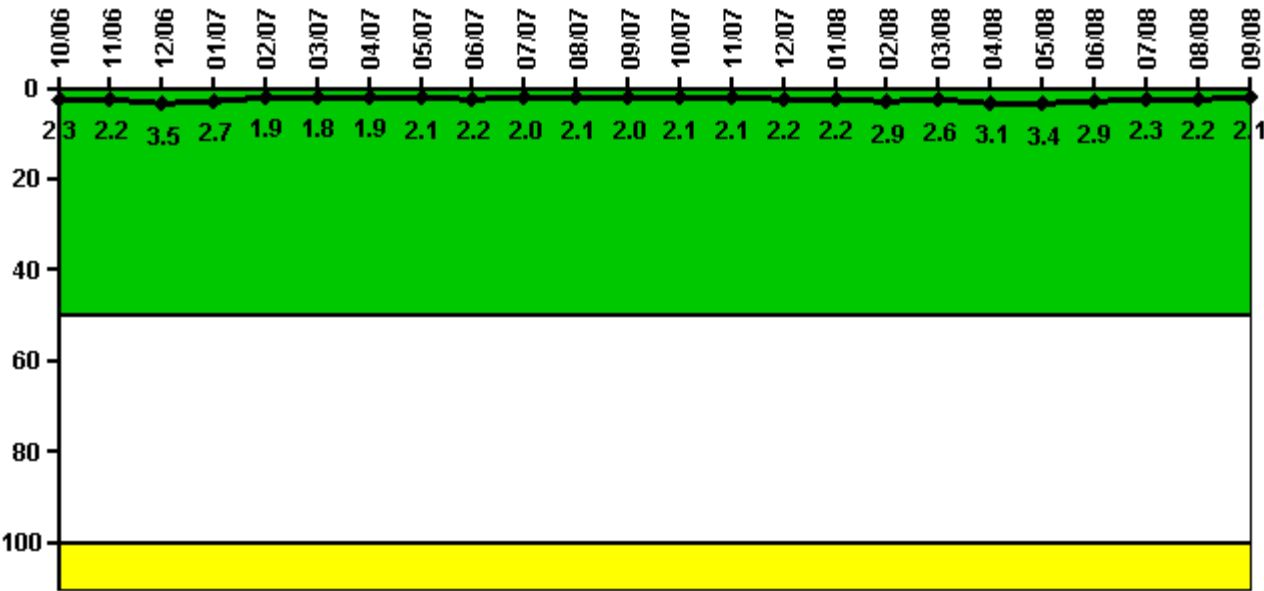
Thresholds: White > 50.0 Yellow > 100.0

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	0.000427	0.000418	0	0.000225	0.000203	0.000215	0.000253	0.000256	0.000255	0.000302	0.000269	0.000277
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000302	0.000307	0.000323	0.000328	0.000324	0.000353	0.000332	0.000383	0.000149	0.000182	0.000195	0.000202
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



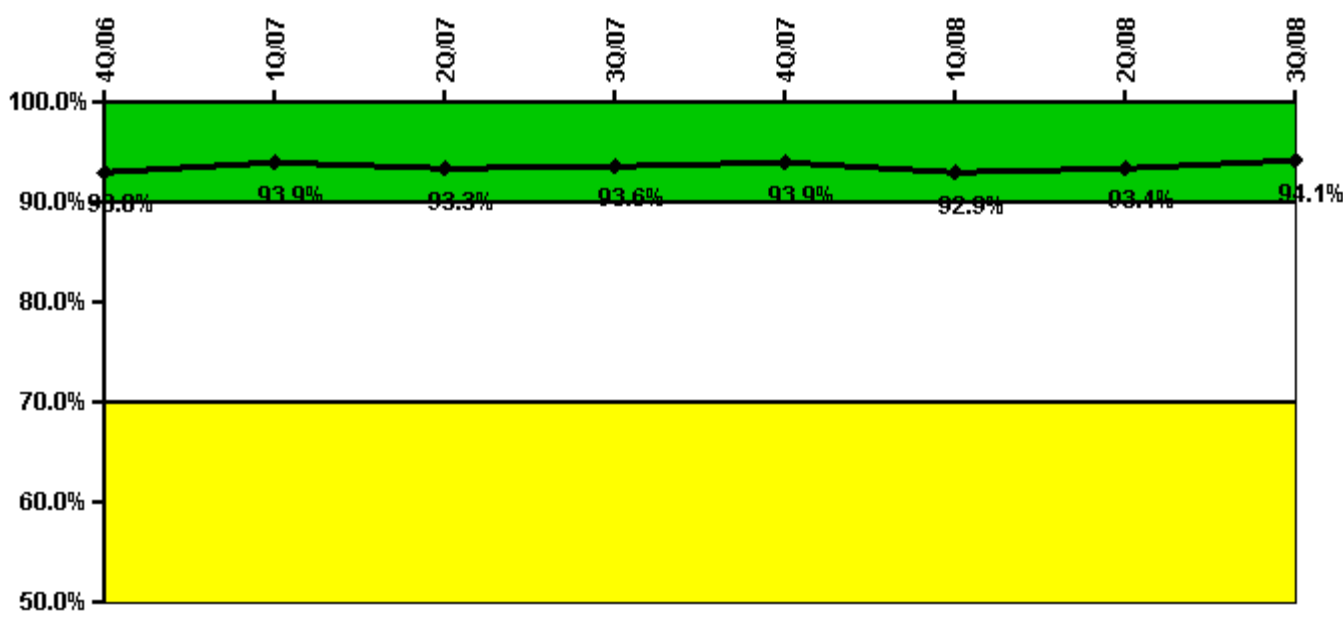
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.225	0.220	0.350	0.272	0.193	0.184	0.187	0.214	0.215	0.203	0.211	0.204
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	2.2	3.5	2.7	1.9	1.8	1.9	2.1	2.2	2.0	2.1	2.0
Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.212	0.214	0.218	0.223	0.287	0.263	0.307	0.341	0.289	0.226	0.215	0.205
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.1	2.1	2.2	2.2	2.9	2.6	3.1	3.4	2.9	2.3	2.2	2.1

Licensee Comments: none

Drill/Exercise Performance



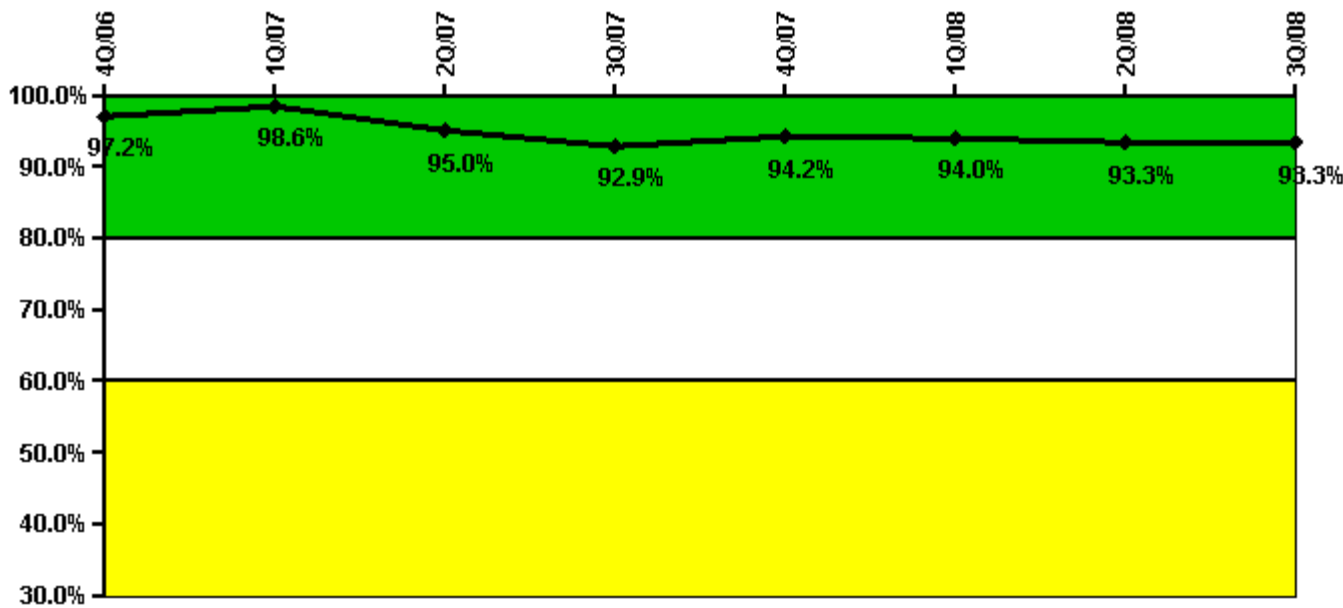
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	16.0	73.0	54.0	95.0	24.0	54.0	36.0	65.0
Total opportunities	16.0	76.0	60.0	98.0	24.0	60.0	38.0	71.0
Indicator value	93.0%	93.9%	93.3%	93.6%	93.9%	92.9%	93.4%	94.1%

Licensee Comments: none

ERO Drill Participation



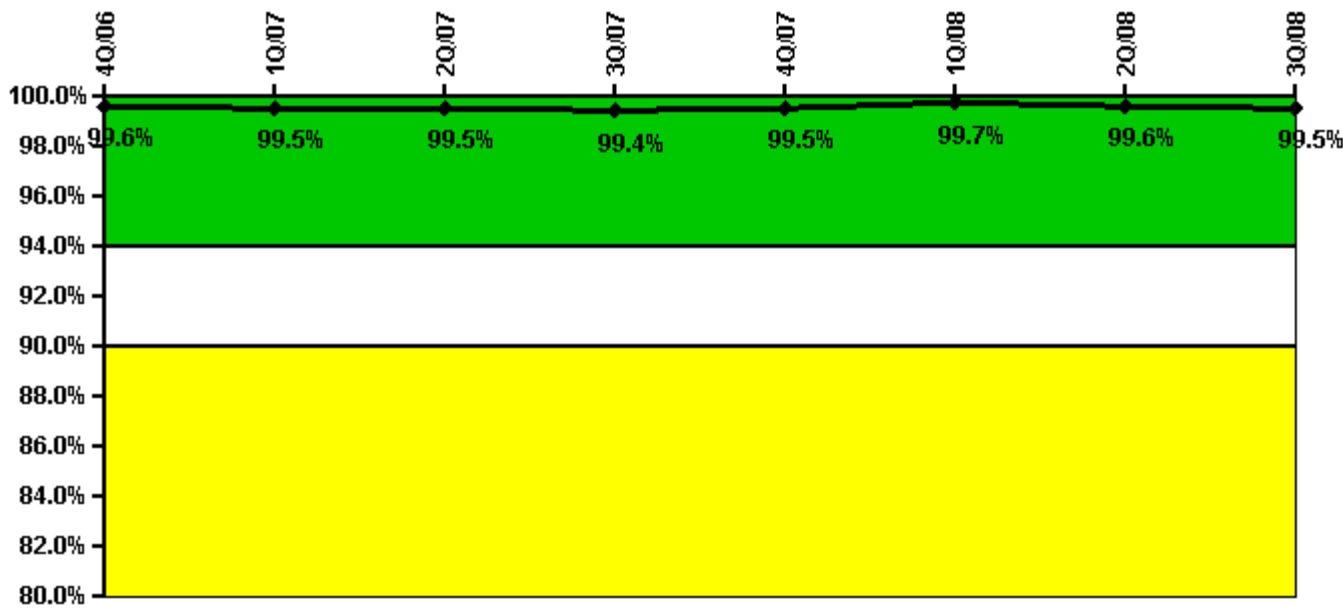
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	138.0	140.0	132.0	130.0	130.0	125.0	125.0	126.0
Total Key personnel	142.0	142.0	139.0	140.0	138.0	133.0	134.0	135.0
Indicator value	97.2%	98.6%	95.0%	92.9%	94.2%	94.0%	93.3%	93.3%

Licensee Comments: none

Alert & Notification System



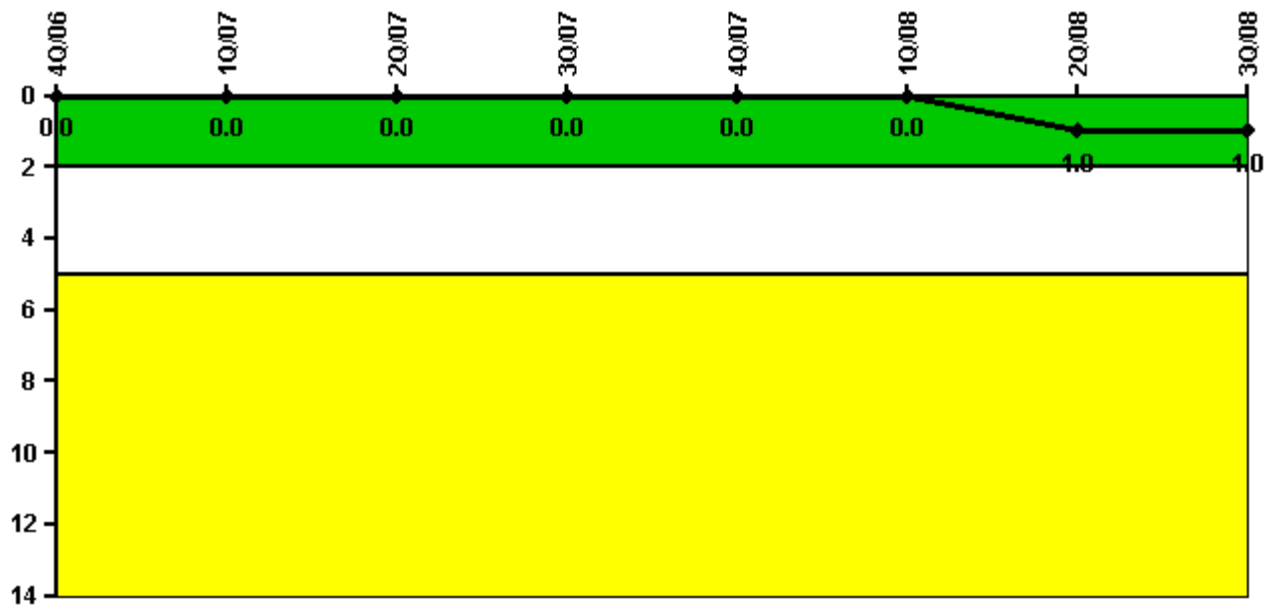
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	2395	2383	2394	2386	2400	2400	2390	2372
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.6%	99.5%	99.5%	99.4%	99.5%	99.7%	99.6%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



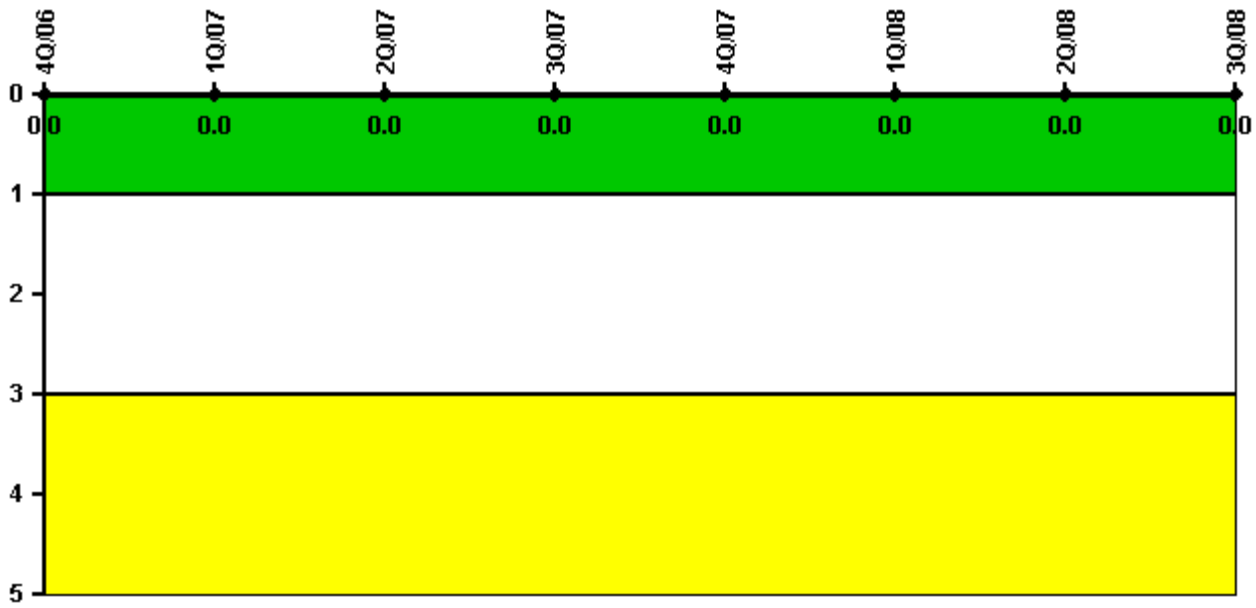
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
High radiation area occurrences	0	0	0	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

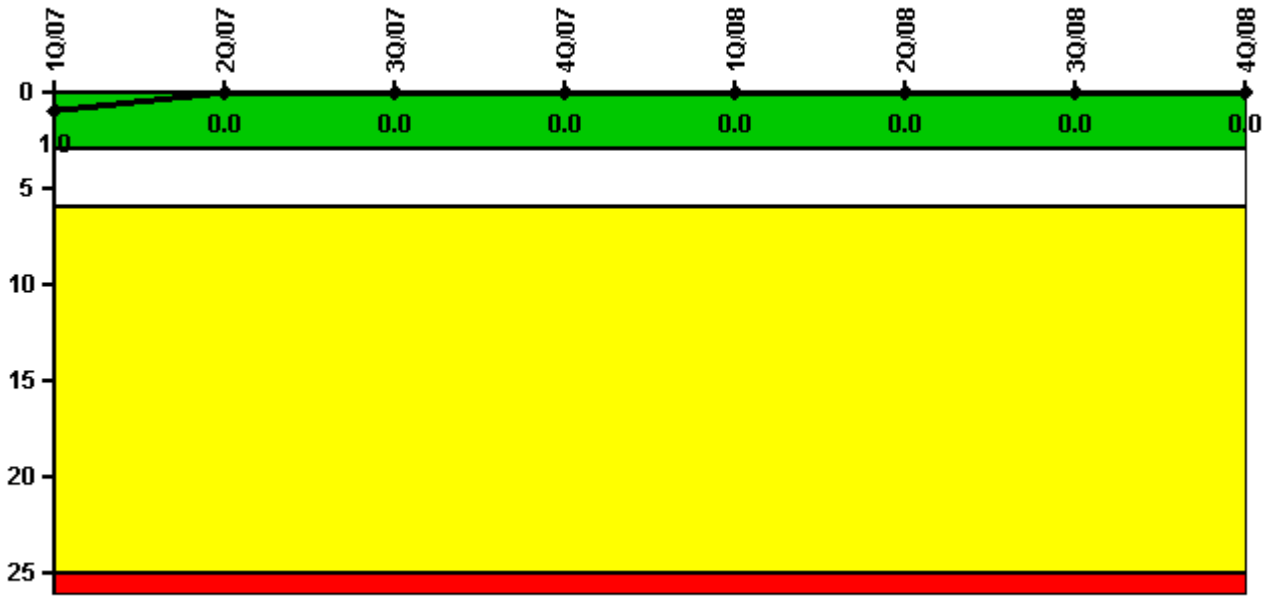
[Security](#) information not publicly available.

Catawba 1

4Q/2008 Performance Indicators

Licensee's General Comments: 4 Quarter 2008 Change File Unit 1

Unplanned Scrams per 7000 Critical Hrs



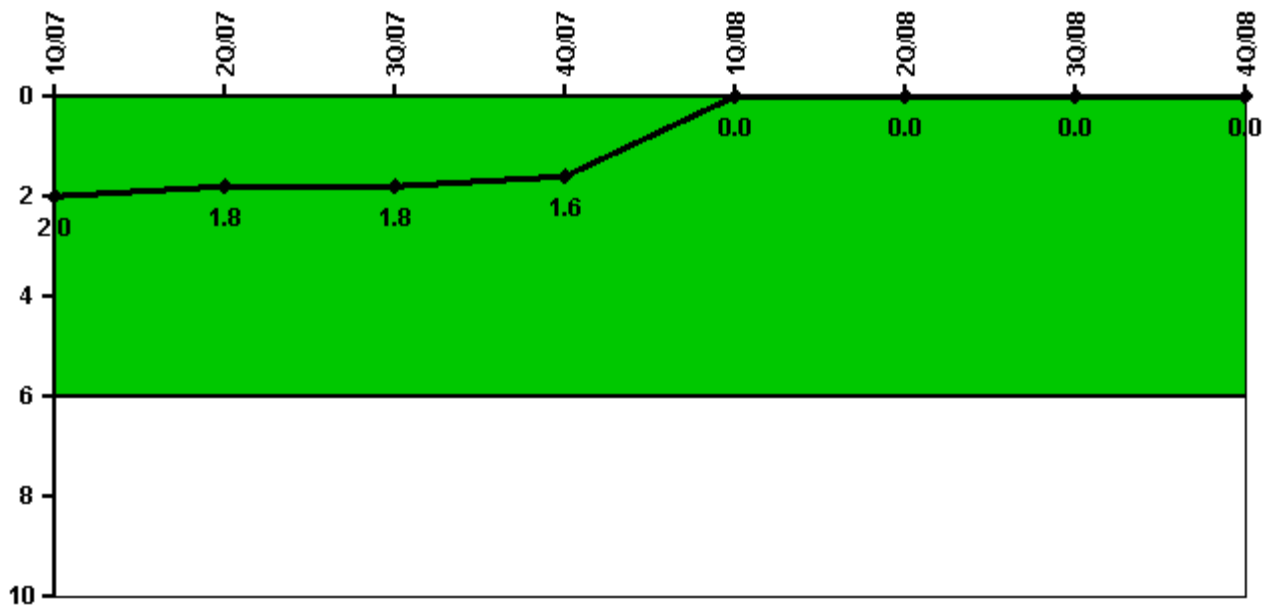
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2183.0	1044.0	2208.0	2209.0
Indicator value	1.0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



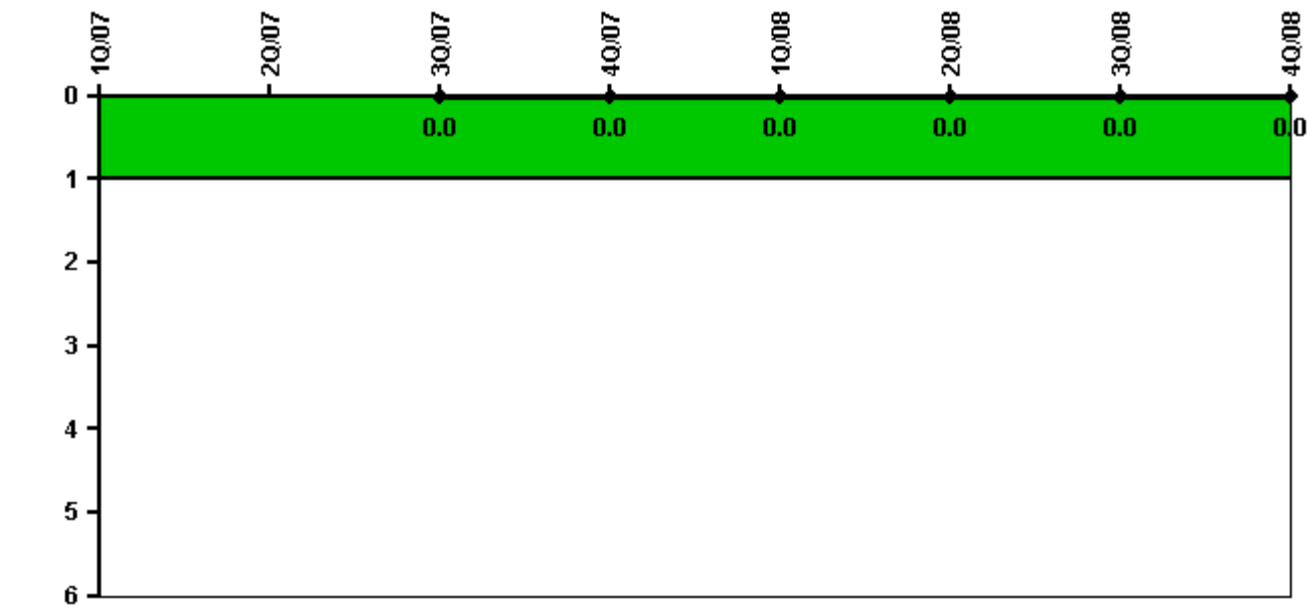
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	2.0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2183.0	1044.0	2208.0	2209.0
Indicator value	2.0	1.8	1.8	1.6	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



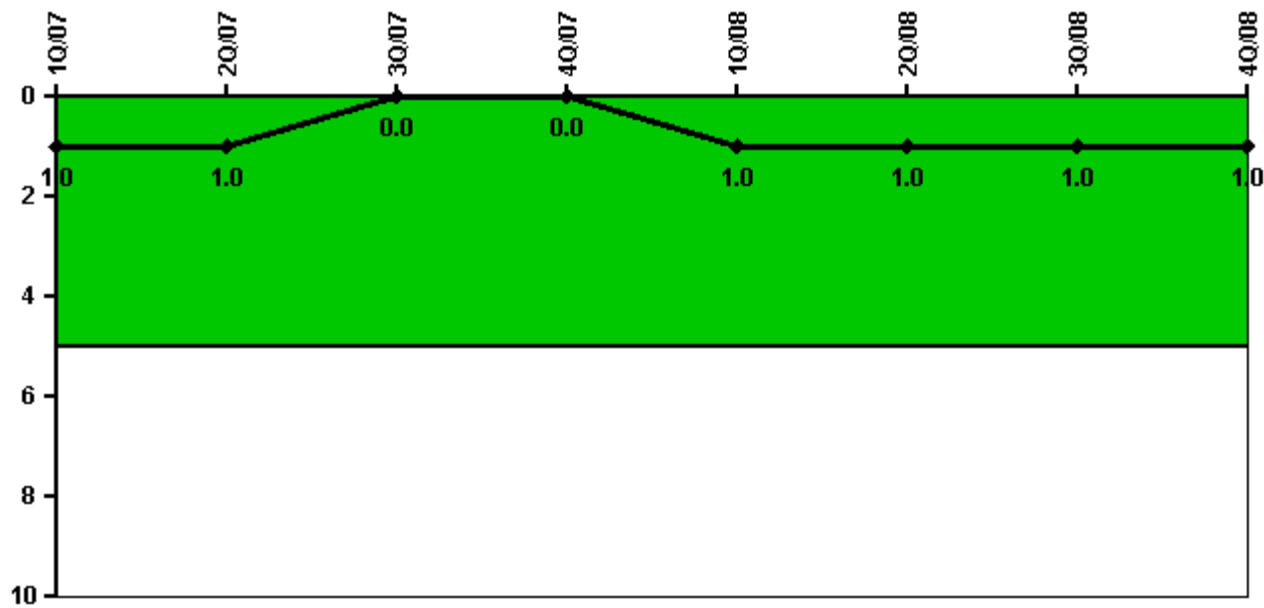
Thresholds: White > 1.0

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

Licensee Comments: none

Safety System Functional Failures (PWR)

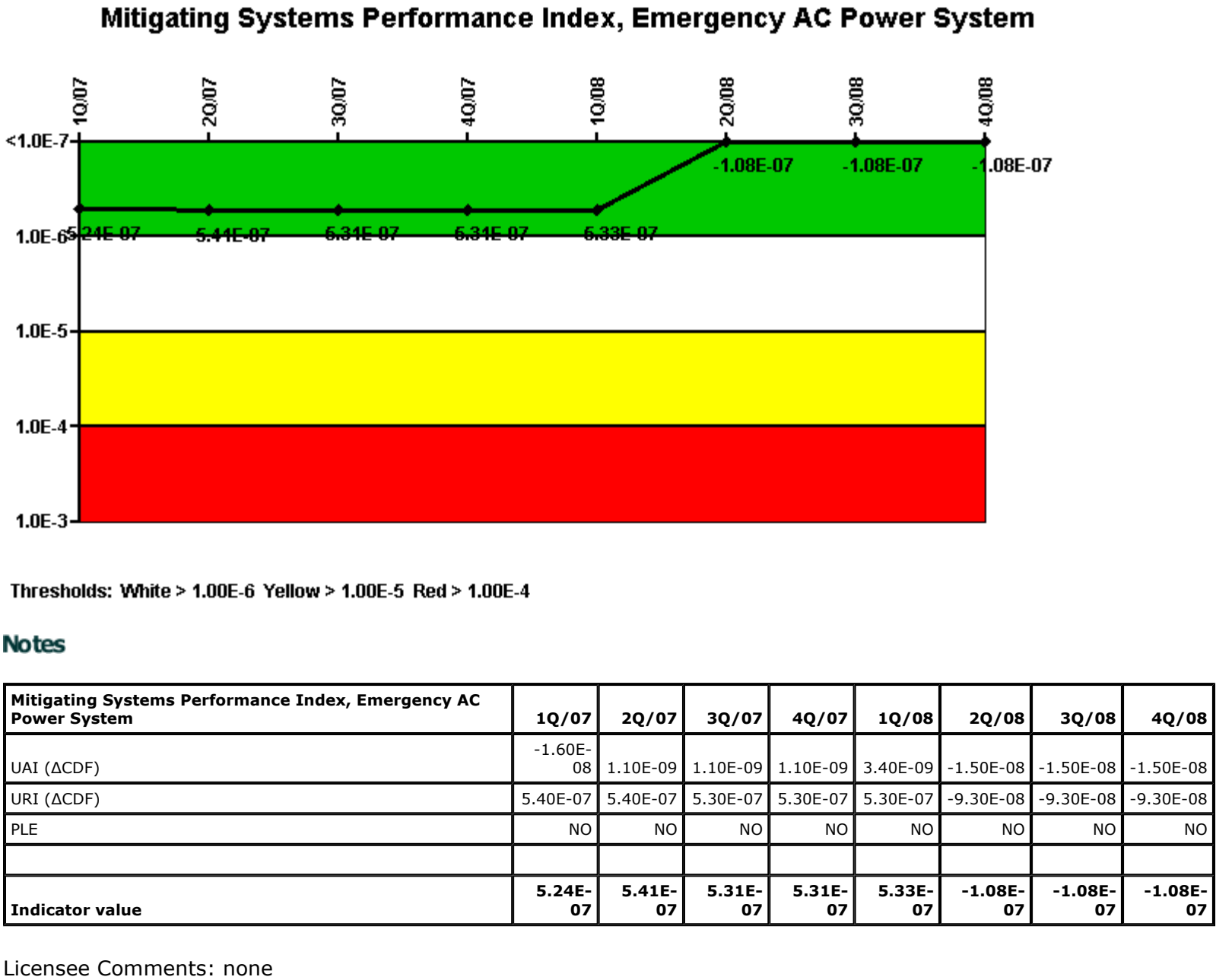


Thresholds: White > 5.0

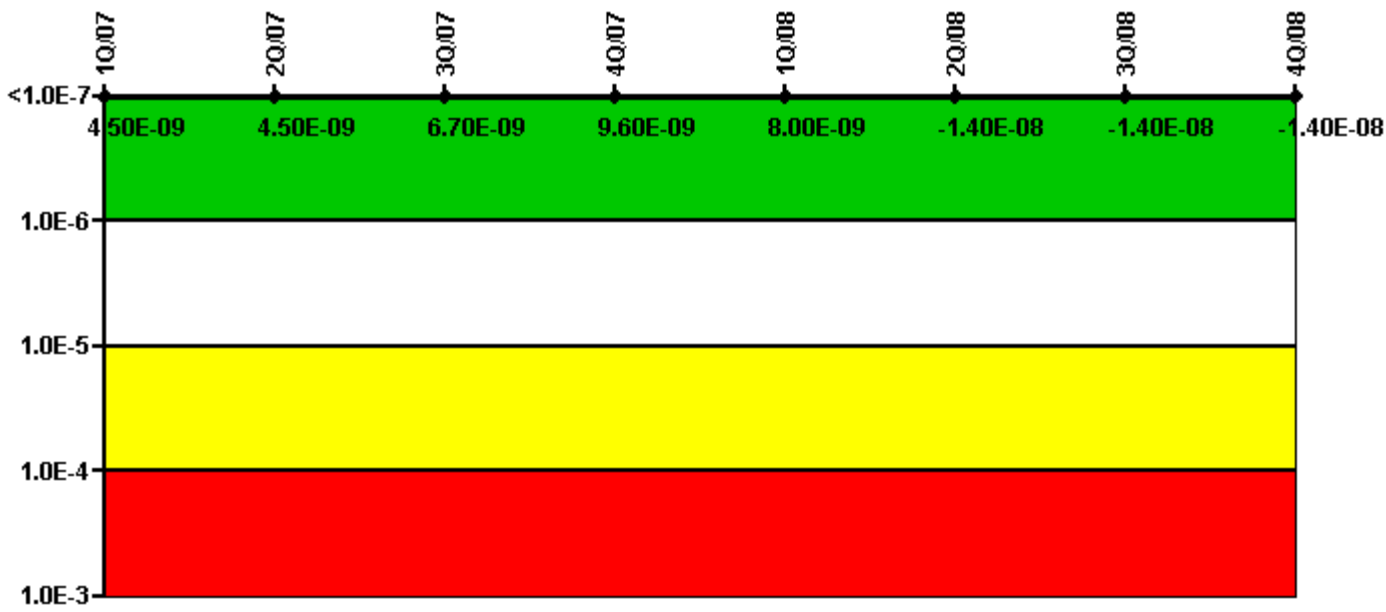
Notes

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

Licensee Comments: none



Mitigating Systems Performance Index, High Pressure Injection System



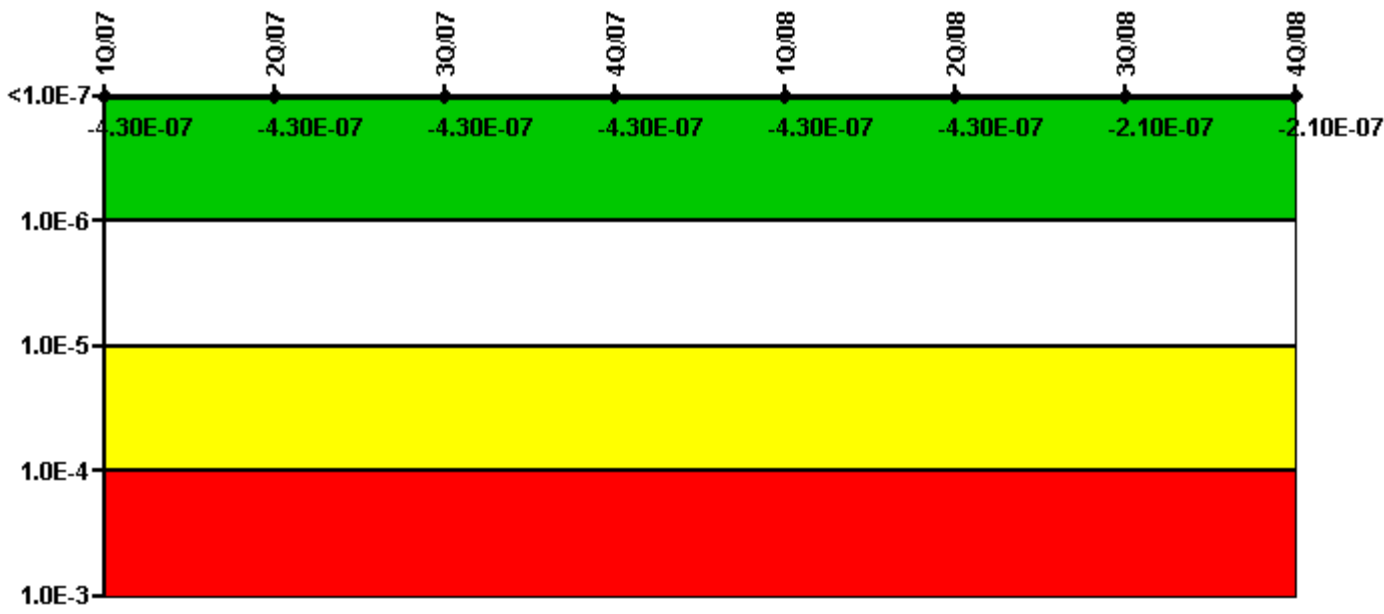
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-3.60E-09	-3.60E-09	-1.40E-09	-1.40E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09
URI (ΔCDF)	8.10E-09	8.10E-09	8.10E-09	1.10E-08	1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.50E-09	4.50E-09	6.70E-09	9.60E-09	8.00E-09	-1.40E-08	-1.40E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



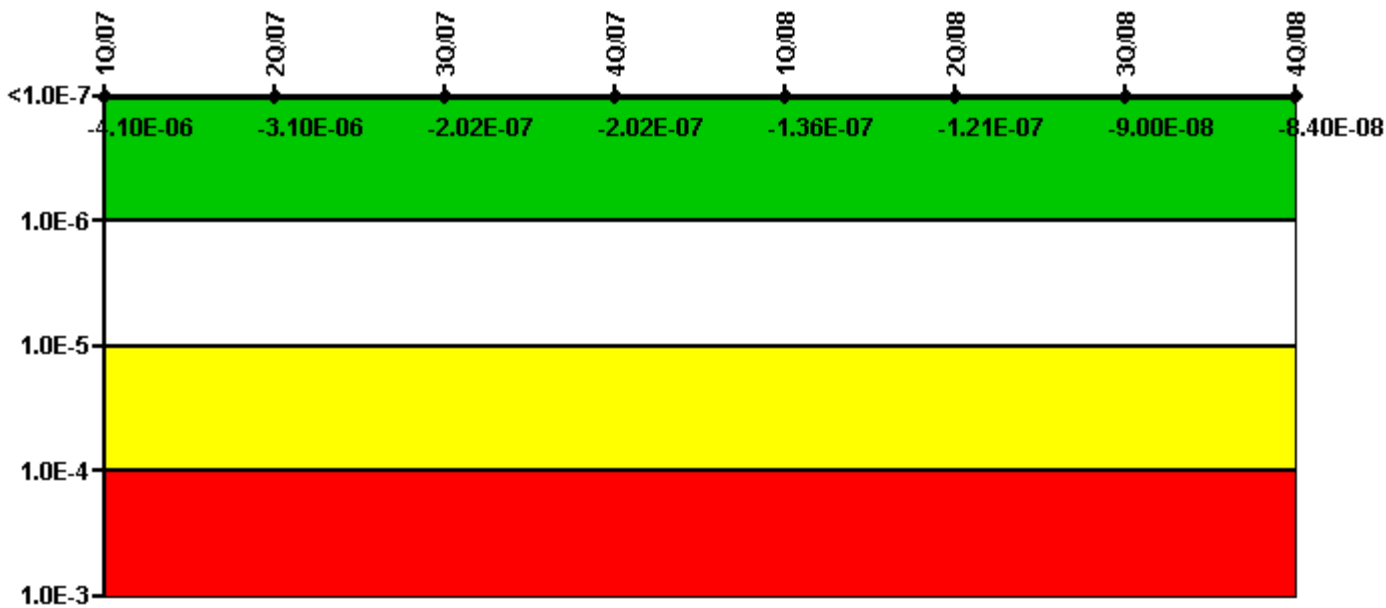
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	1.10E-07	1.10E-07
URI (ΔCDF)	-3.20E-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	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-2.10E-07	-2.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



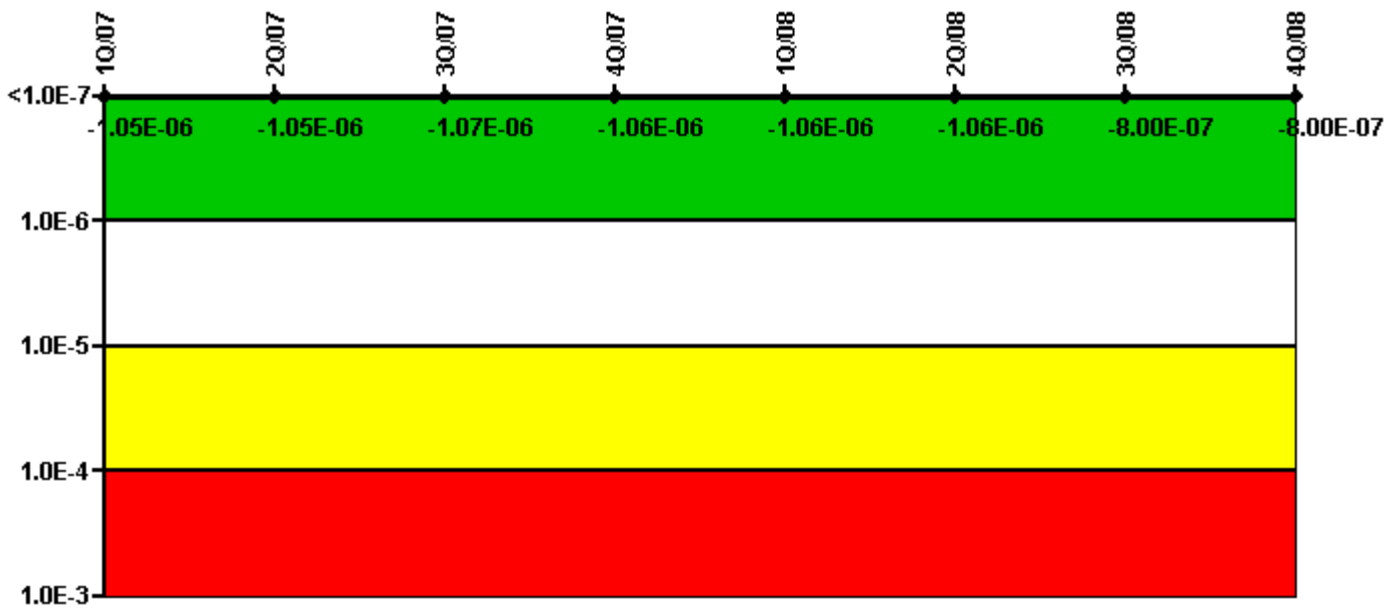
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.60E-06	-1.60E-06	-3.20E-08	-3.20E-08	3.40E-08	4.90E-08	8.00E-08	8.60E-08
URI (ΔCDF)	-1.50E-06	-1.50E-06	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-06	-3.10E-06	-2.02E-07	-2.02E-07	-1.36E-07	-1.21E-07	-9.00E-08	-8.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



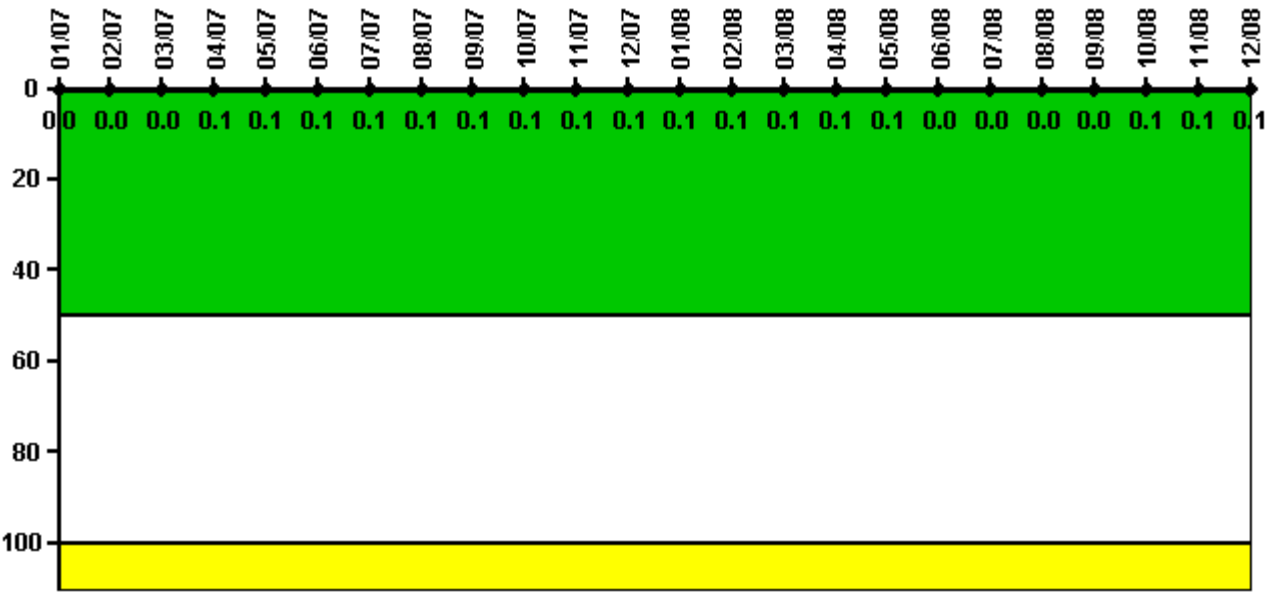
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-4.90E-07	-4.90E-07	-5.10E-07	-5.00E-07	-5.00E-07	-5.00E-07	-2.50E-07	-2.50E-07
URI (ΔCDF)	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.60E-07	-5.50E-07	-5.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.05E-06	-1.05E-06	-1.07E-06	-1.06E-06	-1.06E-06	-1.06E-06	-8.00E-07	-8.00E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

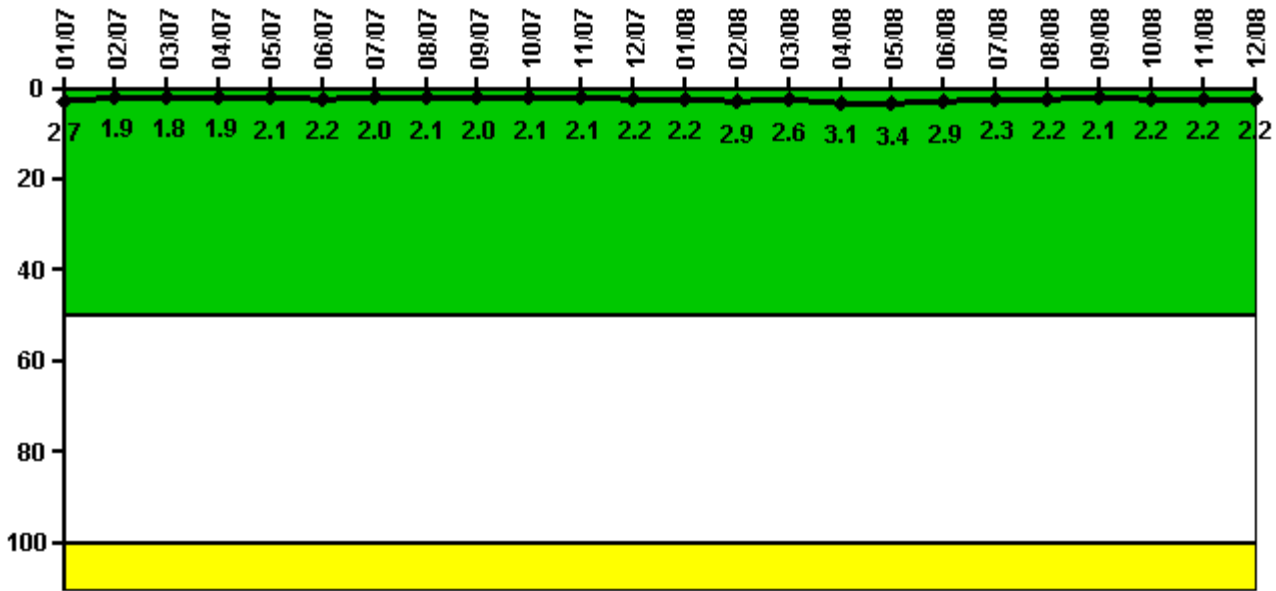
Notes

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	0.000225	0.000203	0.000215	0.000253	0.000256	0.000255	0.000302	0.000269	0.000277	0.000302	0.000307	0.000323
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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	0.000328	0.000324	0.000353	0.000332	0.000383	0.000149	0.000182	0.000195	0.000202	0.000247	0.000262	0.000272
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



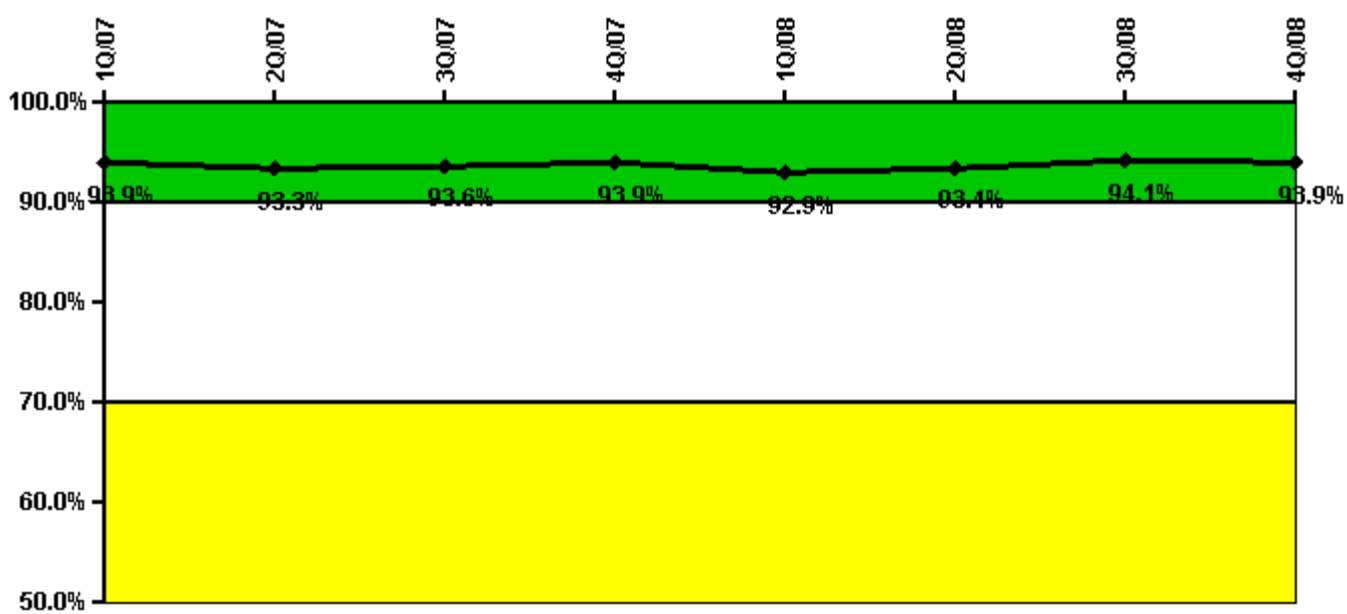
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.272	0.193	0.184	0.187	0.214	0.215	0.203	0.211	0.204	0.212	0.214	0.218
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.7	1.9	1.8	1.9	2.1	2.2	2.0	2.1	2.0	2.1	2.1	2.2
Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.223	0.287	0.263	0.307	0.341	0.289	0.226	0.215	0.205	0.215	0.216	0.222
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.9	2.6	3.1	3.4	2.9	2.3	2.2	2.1	2.2	2.2	2.2

Licensee Comments: none

Drill/Exercise Performance



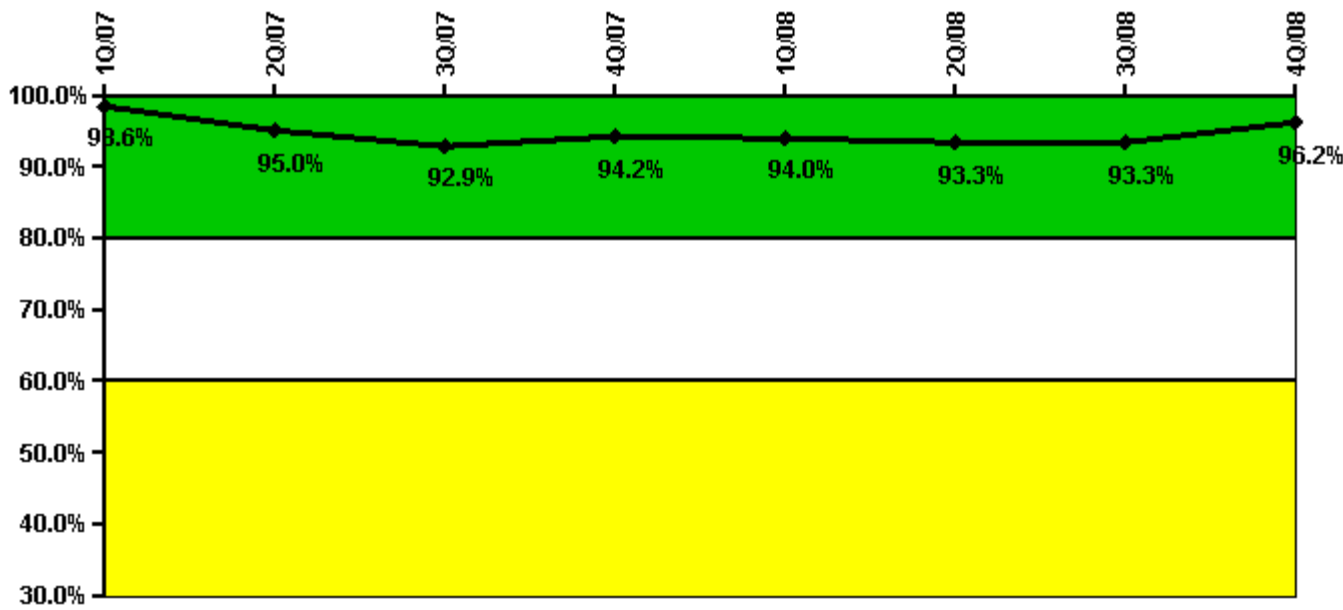
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	73.0	54.0	95.0	24.0	54.0	36.0	65.0	16.0
Total opportunities	76.0	60.0	98.0	24.0	60.0	38.0	71.0	17.0
Indicator value	93.9%	93.3%	93.6%	93.9%	92.9%	93.4%	94.1%	93.9%

Licensee Comments: none

ERO Drill Participation



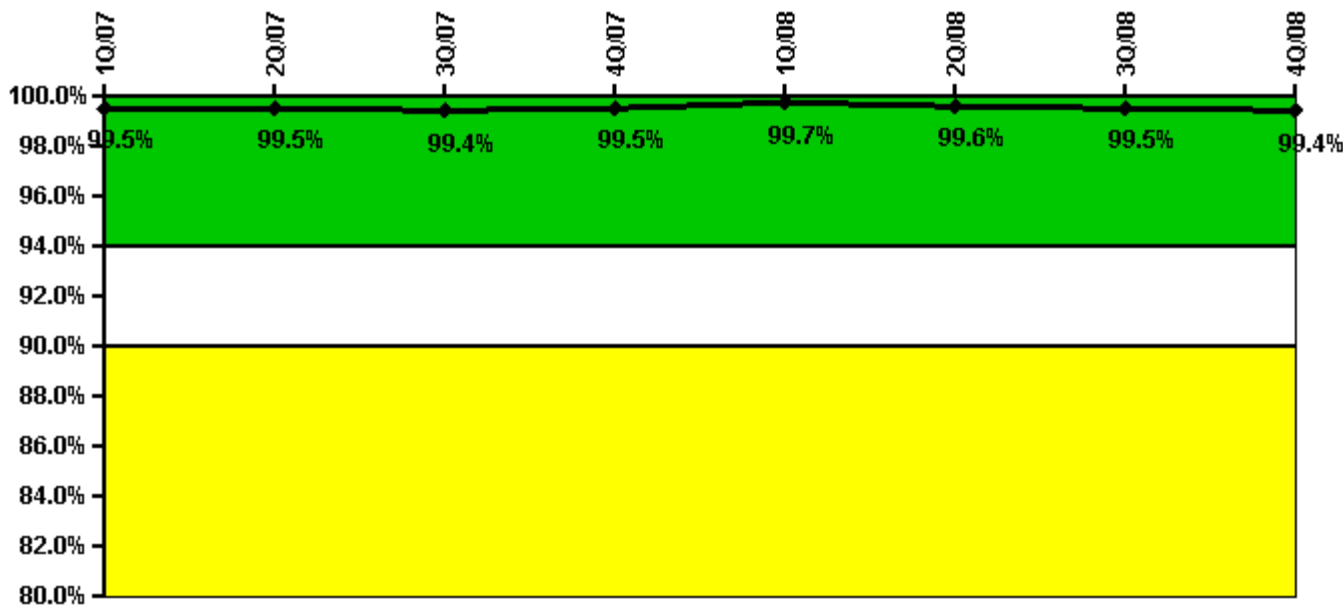
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	140.0	132.0	130.0	130.0	125.0	125.0	126.0	128.0
Total Key personnel	142.0	139.0	140.0	138.0	133.0	134.0	135.0	133.0
Indicator value	98.6%	95.0%	92.9%	94.2%	94.0%	93.3%	93.3%	96.2%

Licensee Comments: none

Alert & Notification System



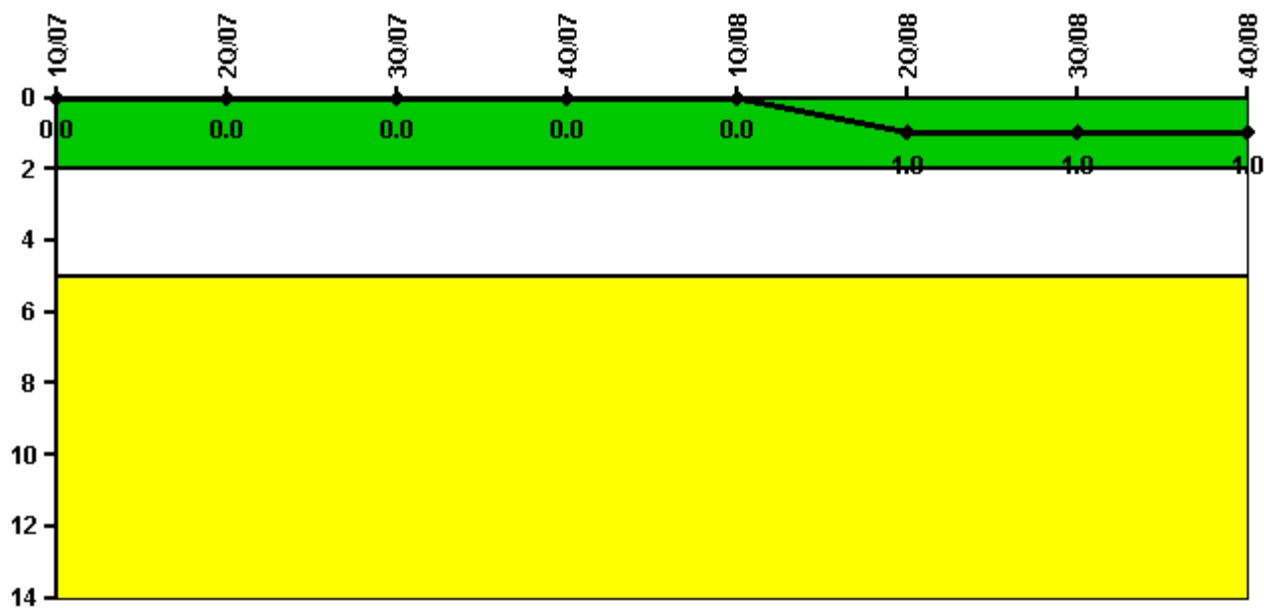
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	2383	2394	2386	2400	2400	2390	2372	2392
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.5%	99.5%	99.4%	99.5%	99.7%	99.6%	99.5%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



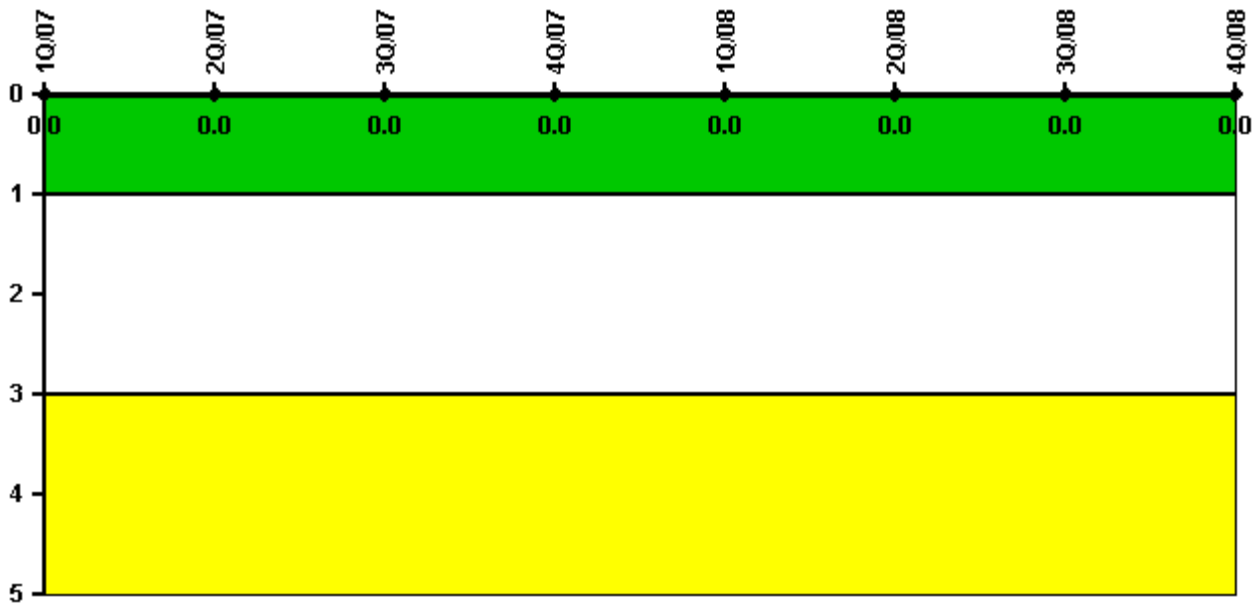
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
High radiation area occurrences	0	0	0	0	0	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/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

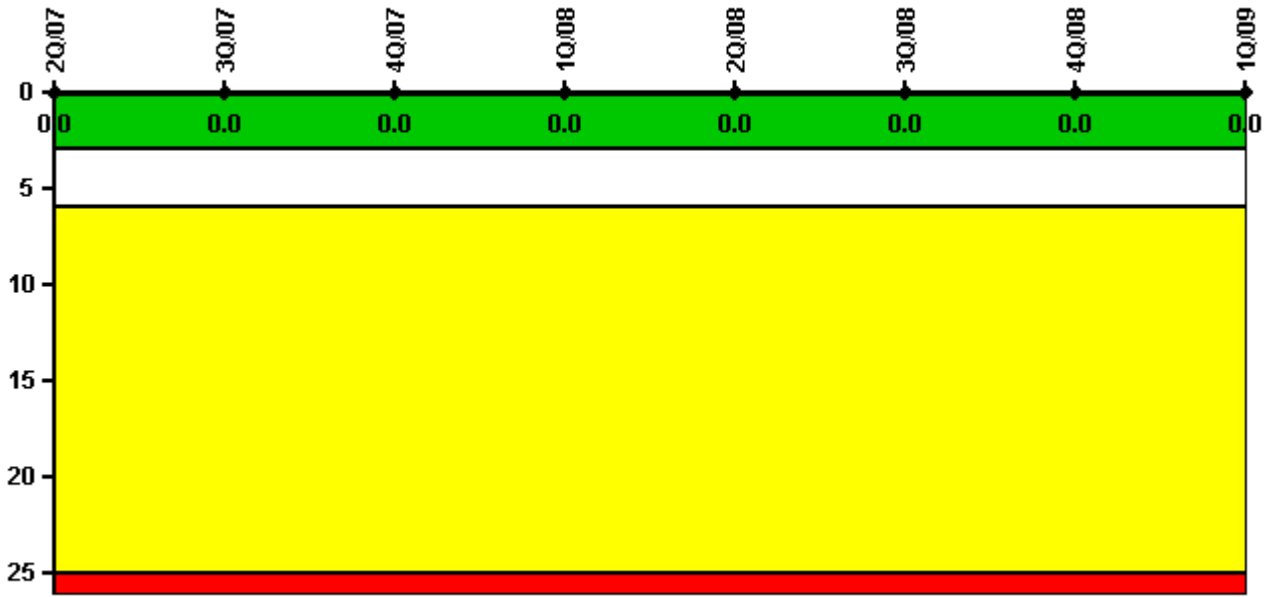
[Security](#) information not publicly available.

Catawba 1

1Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



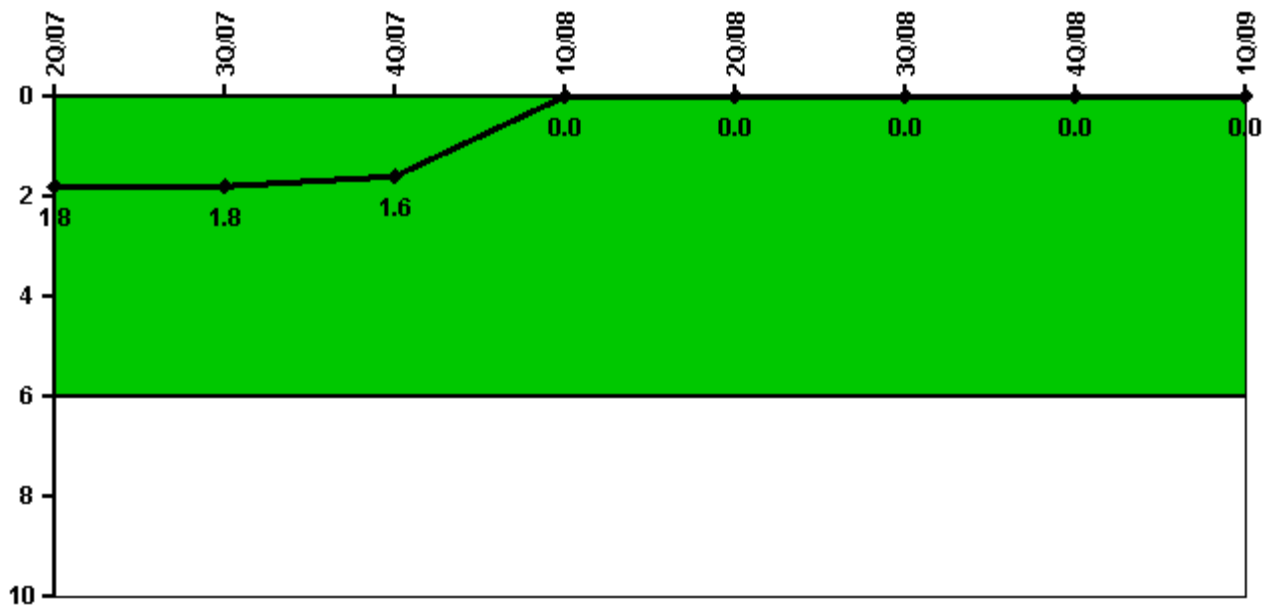
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2183.0	1044.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



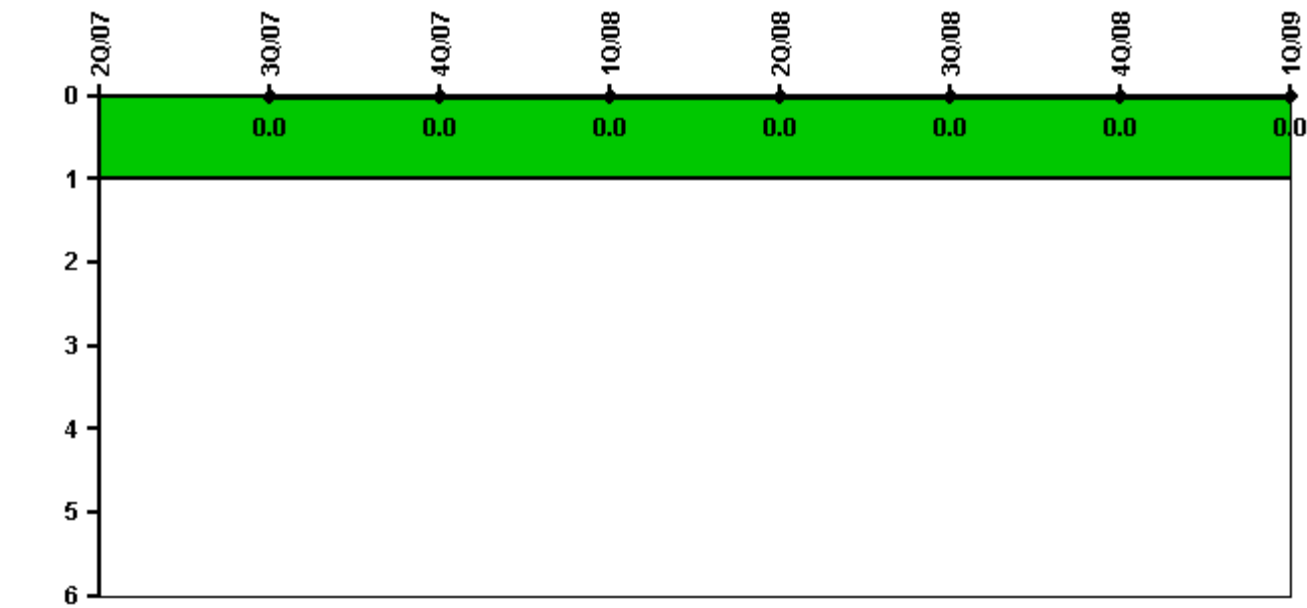
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2183.0	1044.0	2208.0	2209.0	2159.0
Indicator value	1.8	1.8	1.6	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



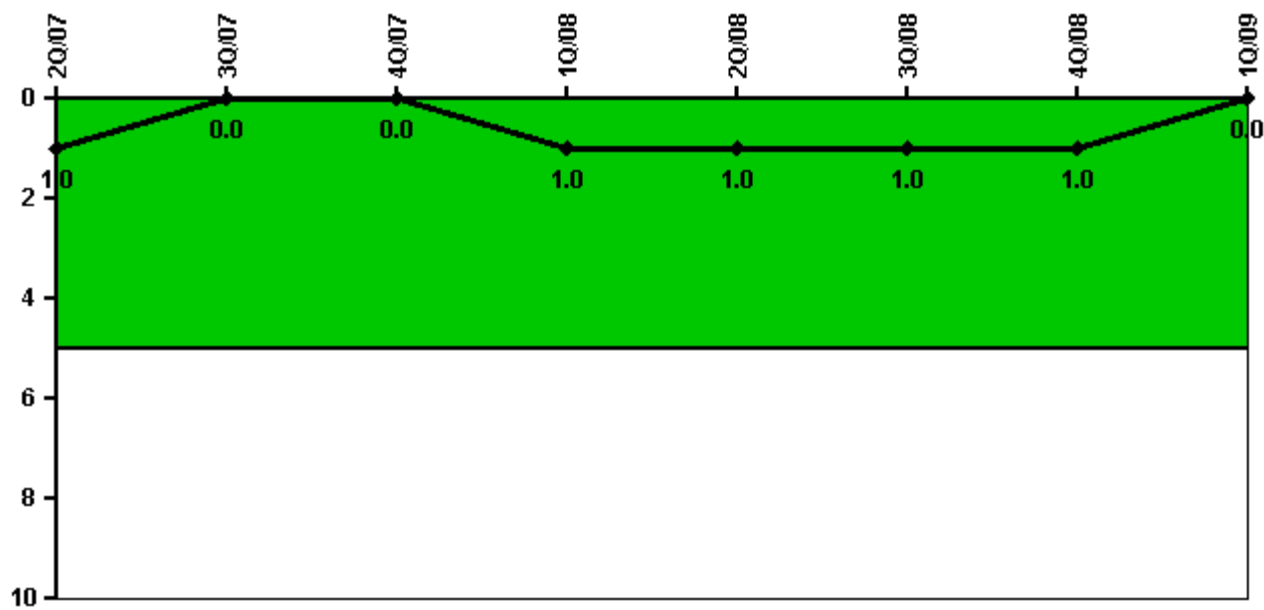
Thresholds: White > 1.0

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

Licensee Comments: none

Safety System Functional Failures (PWR)



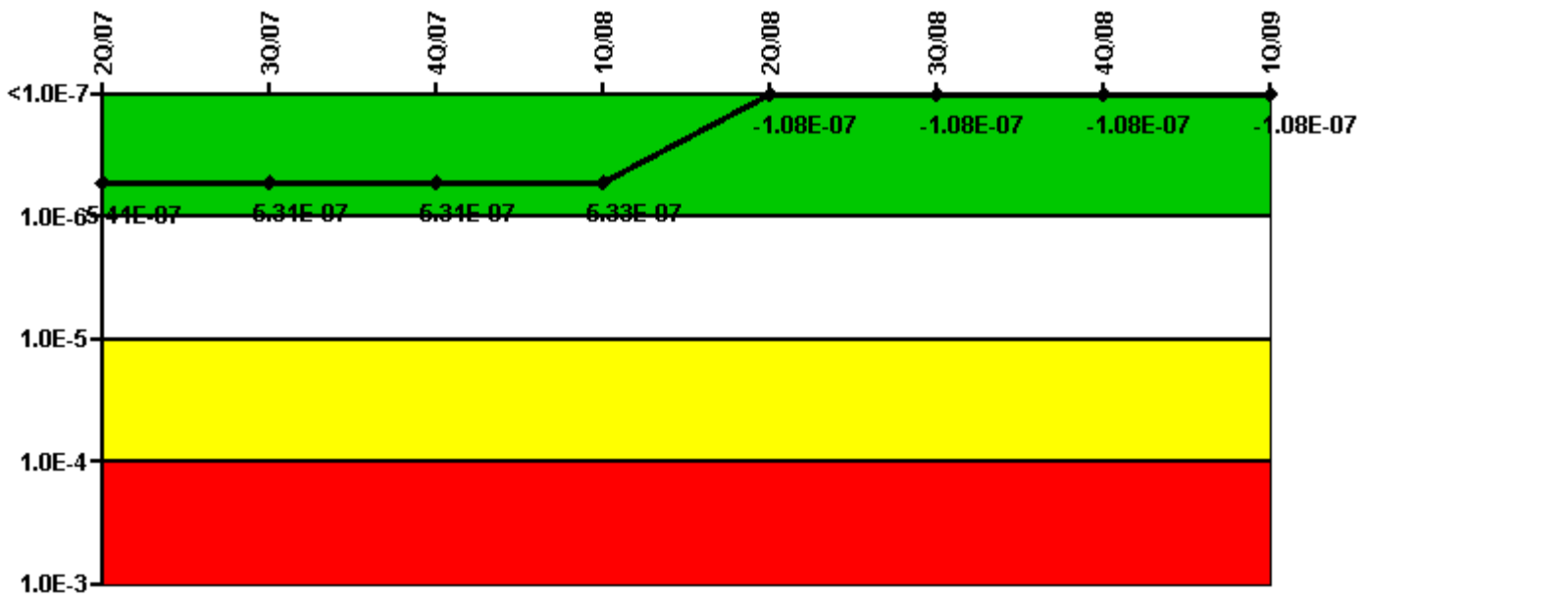
Thresholds: White > 5.0

Notes

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



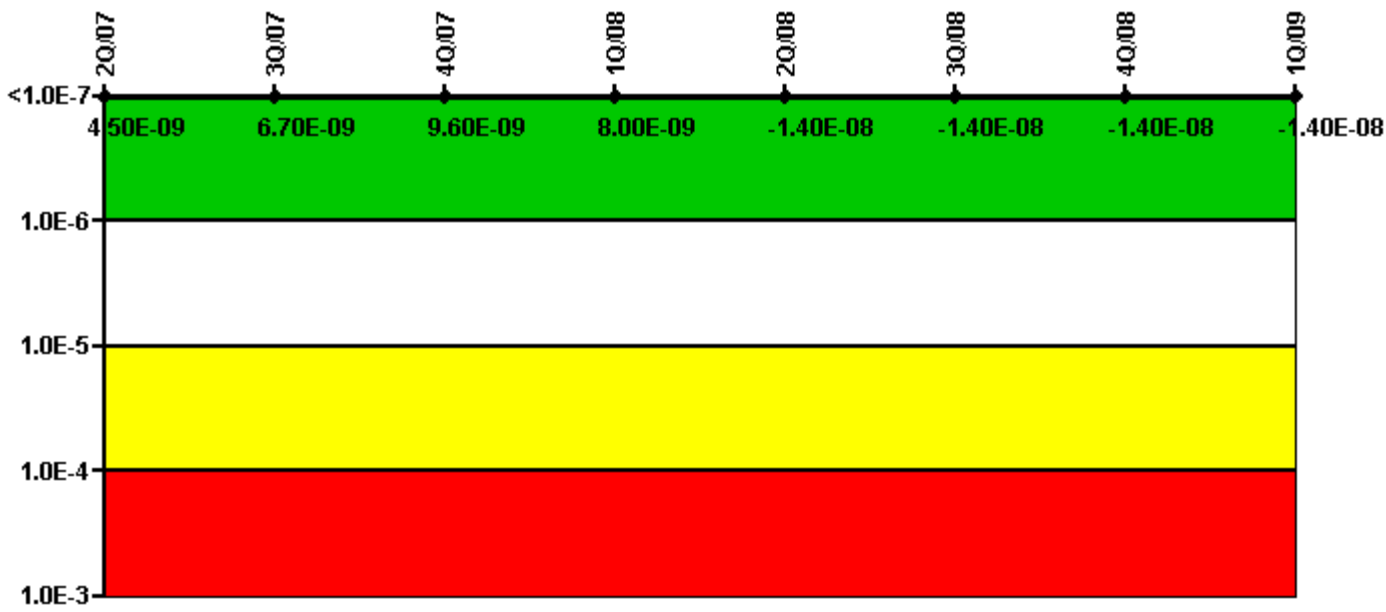
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.10E-09	1.10E-09	1.10E-09	3.40E-09	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	5.40E-07	5.30E-07	5.30E-07	5.30E-07	-9.30E-08	-9.30E-08	-9.30E-08	-9.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.41E-07	5.31E-07	5.31E-07	5.33E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



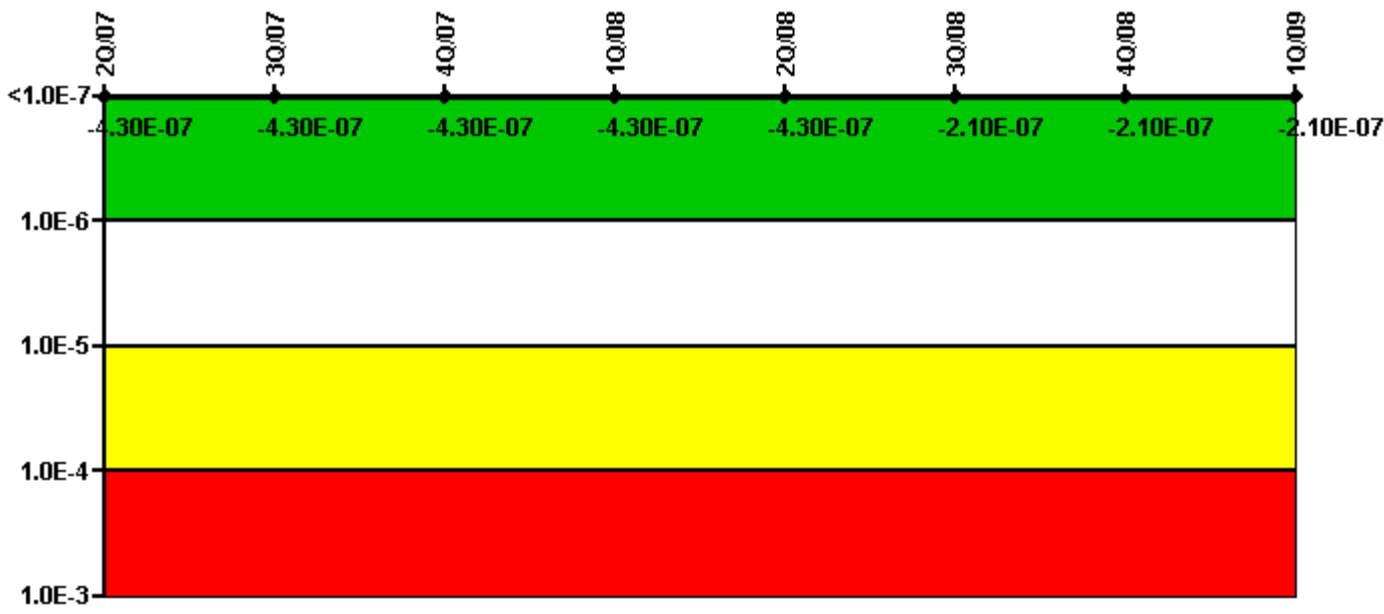
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-3.60E-09	-1.40E-09	-1.40E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09
URI (ΔCDF)	8.10E-09	8.10E-09	1.10E-08	1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.50E-09	6.70E-09	9.60E-09	8.00E-09	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



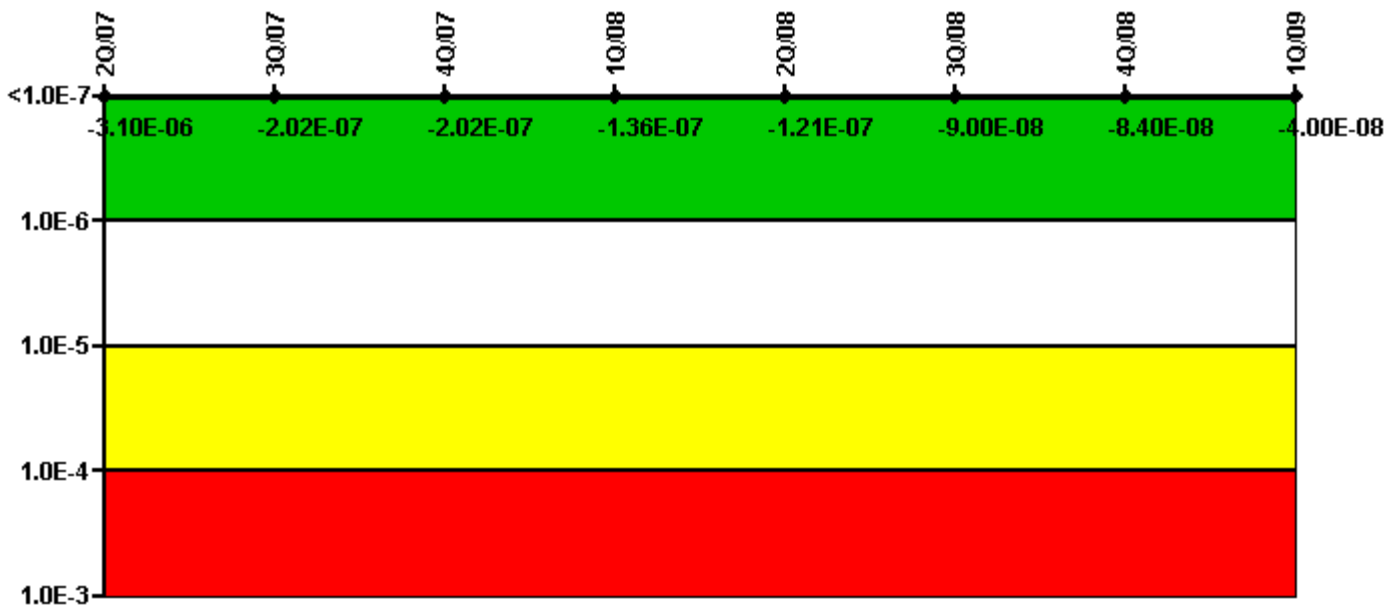
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	1.10E-07	1.10E-07	1.10E-07
URI (ΔCDF)	-3.20E-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	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-2.10E-07	-2.10E-07	-2.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



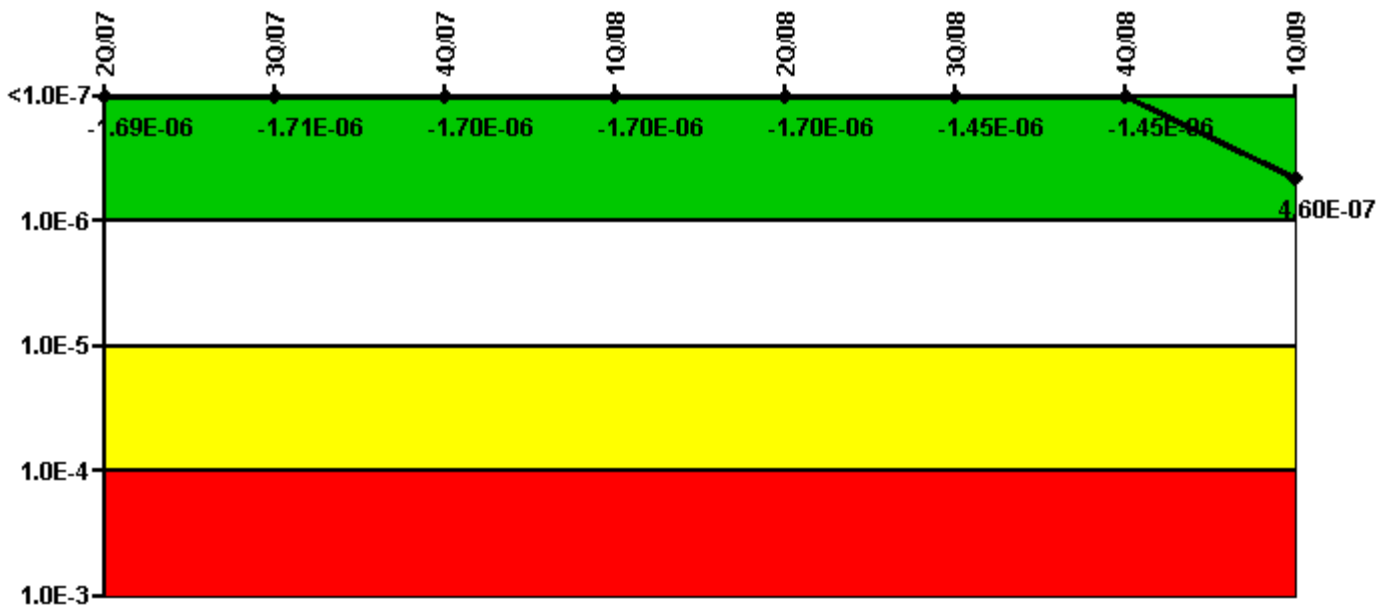
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.60E-06	-3.20E-08	-3.20E-08	3.40E-08	4.90E-08	8.00E-08	8.60E-08	1.30E-07
URI (ΔCDF)	-1.50E-06	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-06	-2.02E-07	-2.02E-07	-1.36E-07	-1.21E-07	-9.00E-08	-8.40E-08	-4.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



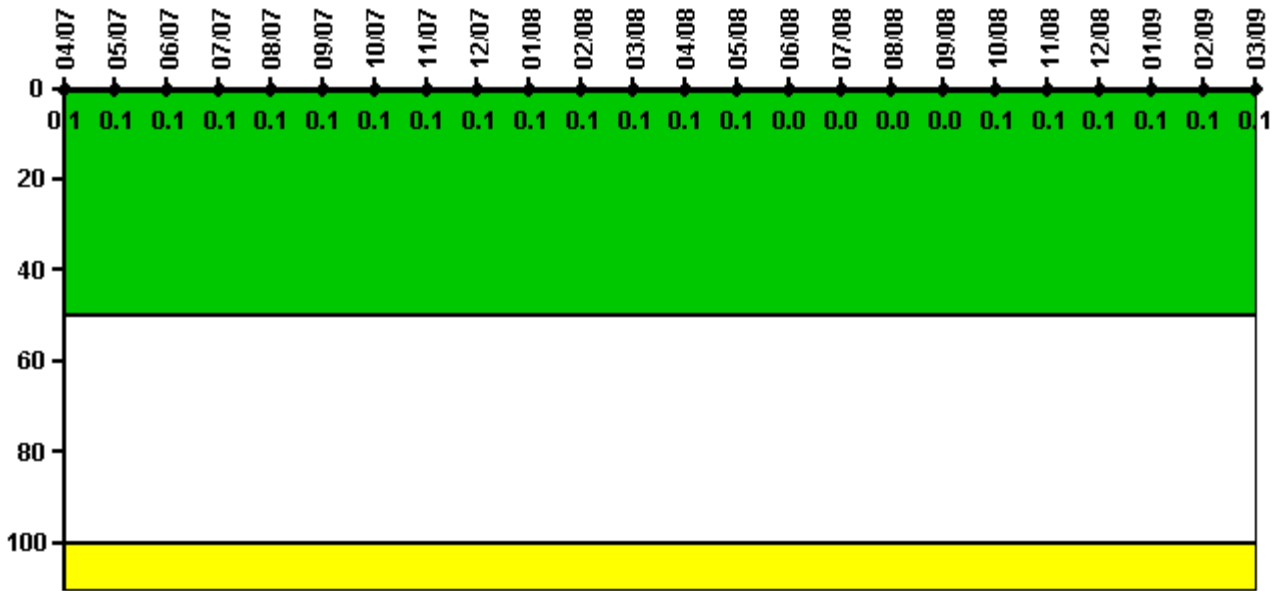
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-4.90E-07	-5.10E-07	-5.00E-07	-5.00E-07	-5.00E-07	-2.50E-07	-2.50E-07	2.50E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.69E-06	-1.71E-06	-1.70E-06	-1.70E-06	-1.70E-06	-1.45E-06	-1.45E-06	4.60E-07

Licensee Comments: none

Reactor Coolant System Activity



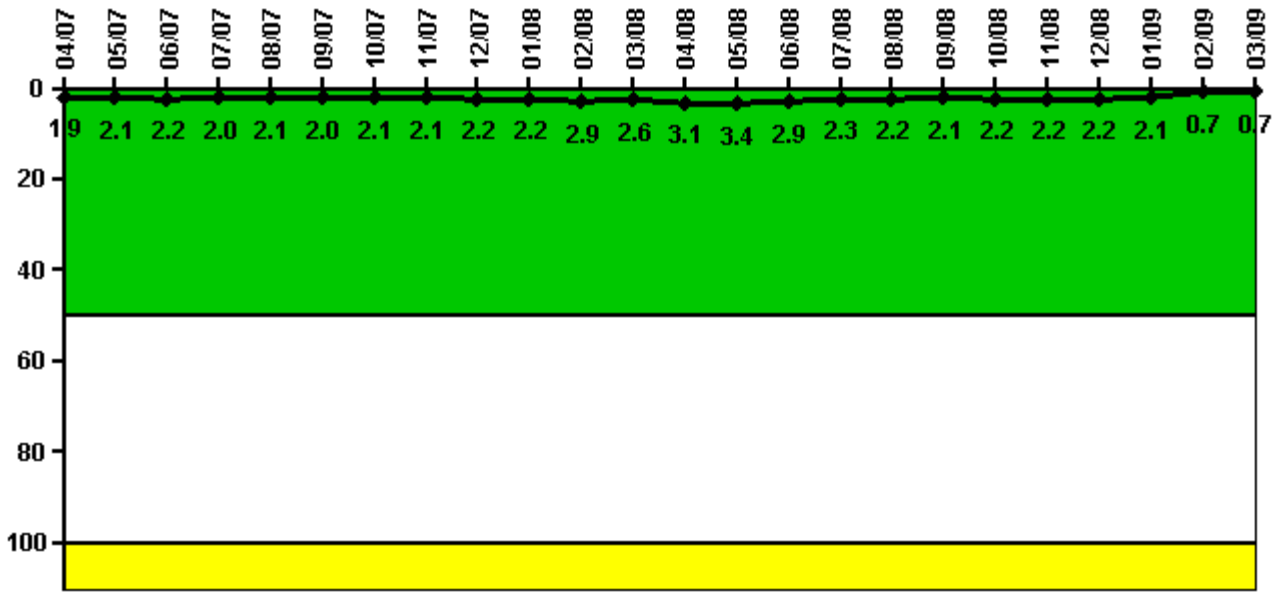
Thresholds: White > 50.0 Yellow > 100.0

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	0.000253	0.000256	0.000255	0.000302	0.000269	0.000277	0.000302	0.000307	0.000323	0.000328	0.000324	0.000353
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.000332	0.000383	0.000149	0.000182	0.000195	0.000202	0.000247	0.000262	0.000272	0.000278	0.000312	0.000318
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



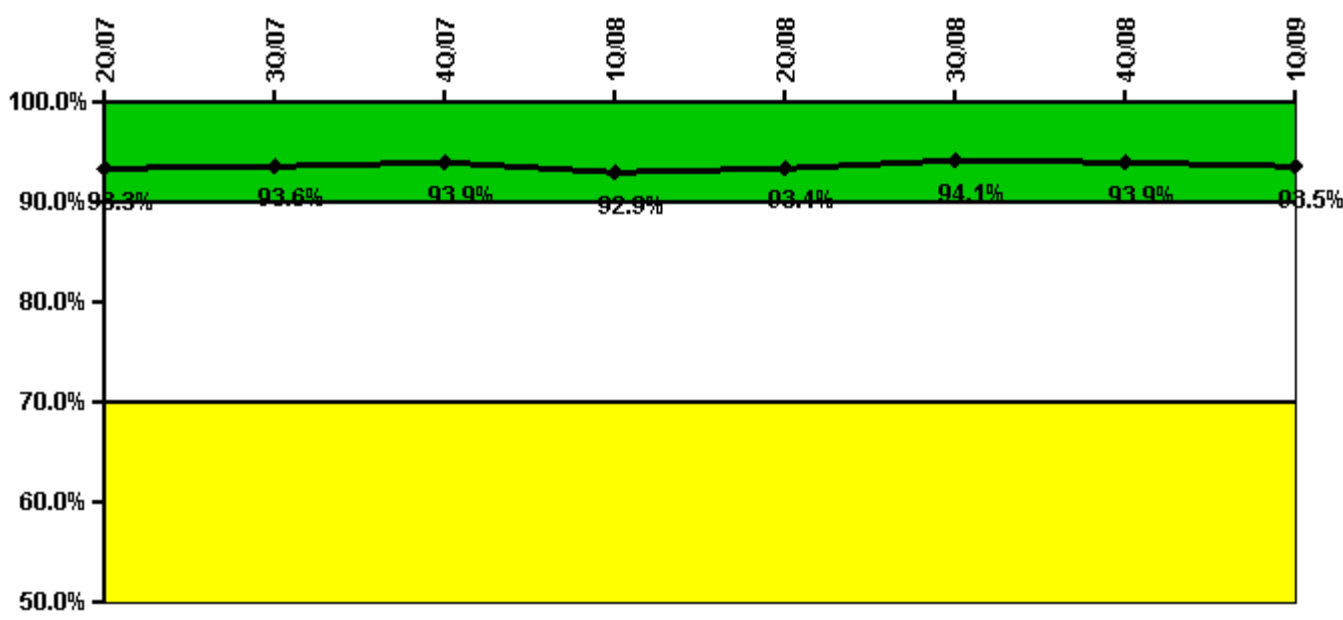
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.187	0.214	0.215	0.203	0.211	0.204	0.212	0.214	0.218	0.223	0.287	0.263
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.9	2.1	2.2	2.0	2.1	2.0	2.1	2.1	2.2	2.2	2.9	2.6
Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.307	0.341	0.289	0.226	0.215	0.205	0.215	0.216	0.222	0.214	0.065	0.067
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	3.4	2.9	2.3	2.2	2.1	2.2	2.2	2.2	2.1	0.7	0.7

Licensee Comments: none

Drill/Exercise Performance



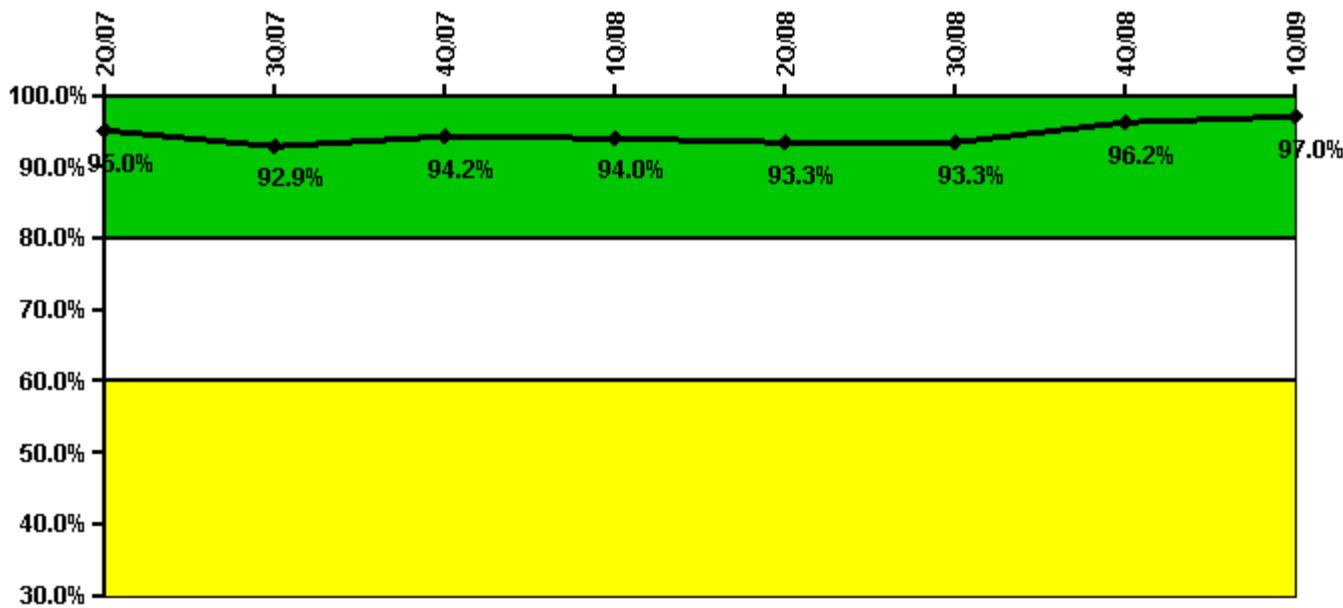
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	54.0	95.0	24.0	54.0	36.0	65.0	16.0	3.0
Total opportunities	60.0	98.0	24.0	60.0	38.0	71.0	17.0	3.0
Indicator value	93.3%	93.6%	93.9%	92.9%	93.4%	94.1%	93.9%	93.5%

Licensee Comments: none

ERO Drill Participation



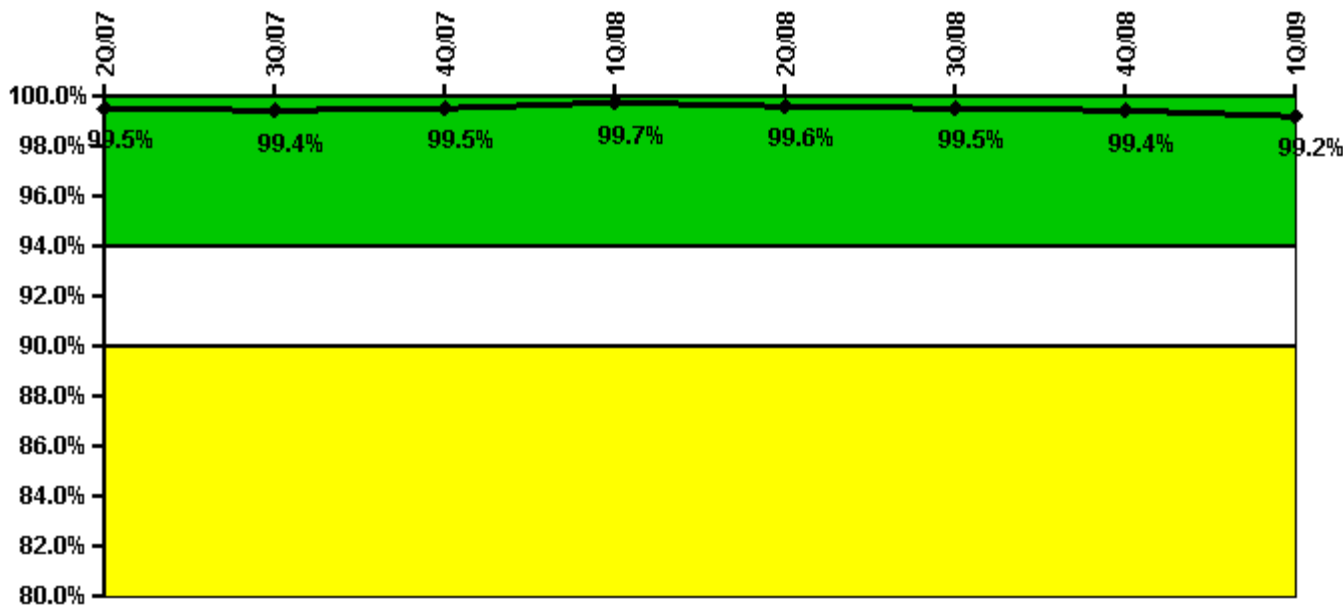
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	132.0	130.0	130.0	125.0	125.0	126.0	128.0	128.0
Total Key personnel	139.0	140.0	138.0	133.0	134.0	135.0	133.0	132.0
Indicator value	95.0%	92.9%	94.2%	94.0%	93.3%	93.3%	96.2%	97.0%

Licensee Comments: none

Alert & Notification System



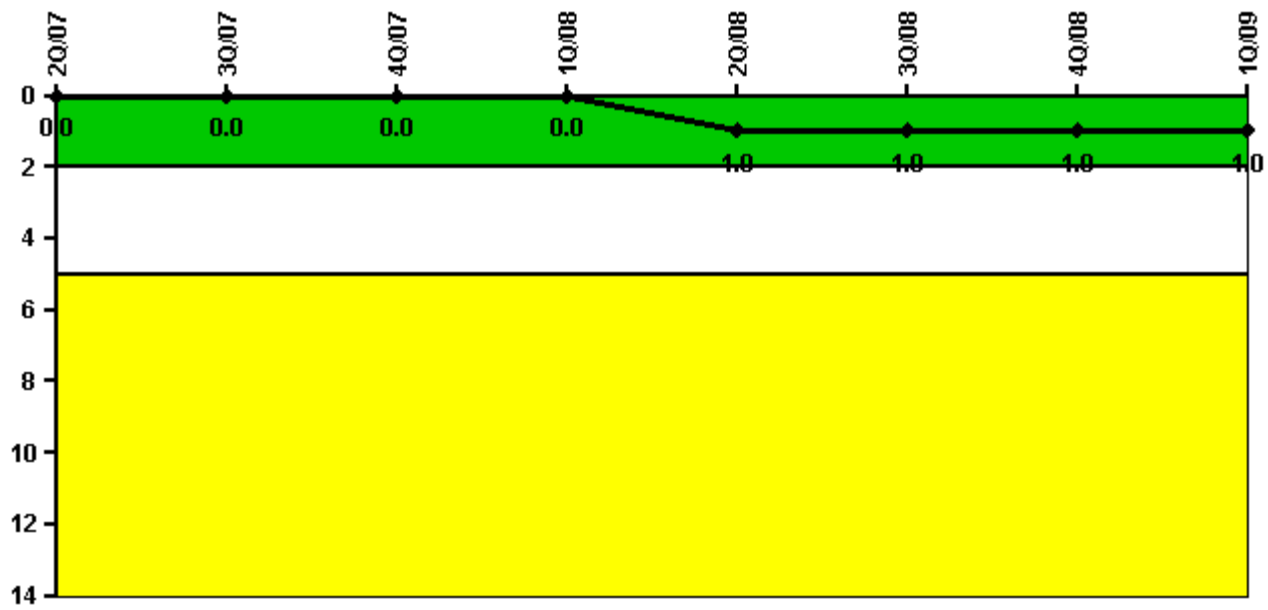
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	2394	2386	2400	2400	2390	2372	2391	2386
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.5%	99.4%	99.5%	99.7%	99.6%	99.5%	99.4%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



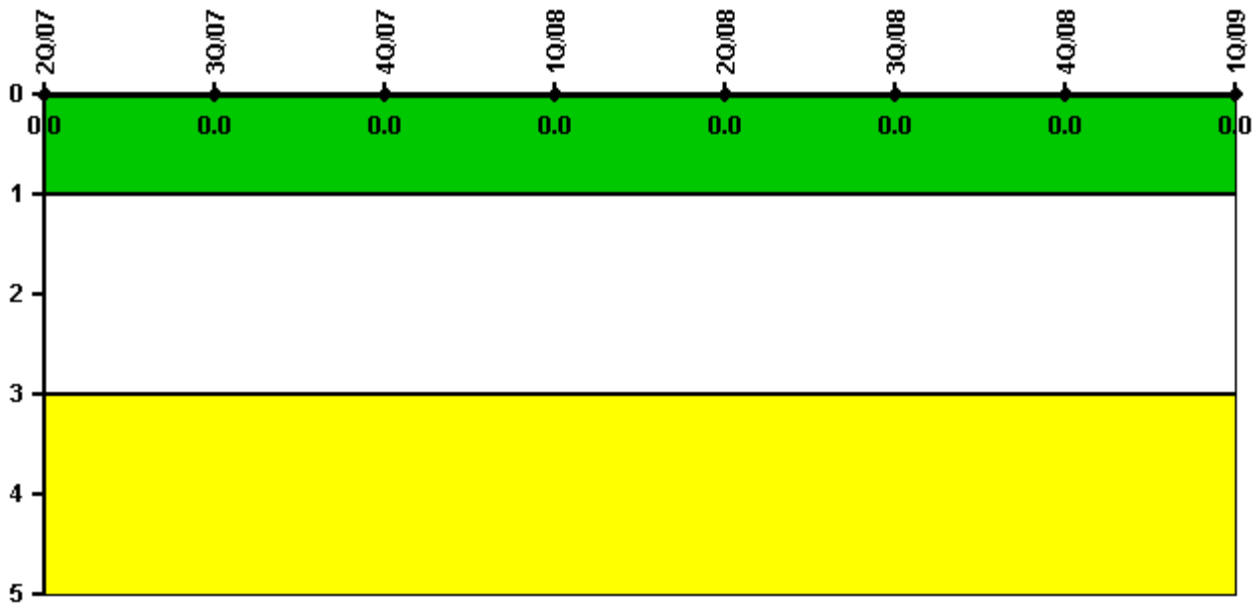
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
High radiation area occurrences	0	0	0	0	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/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

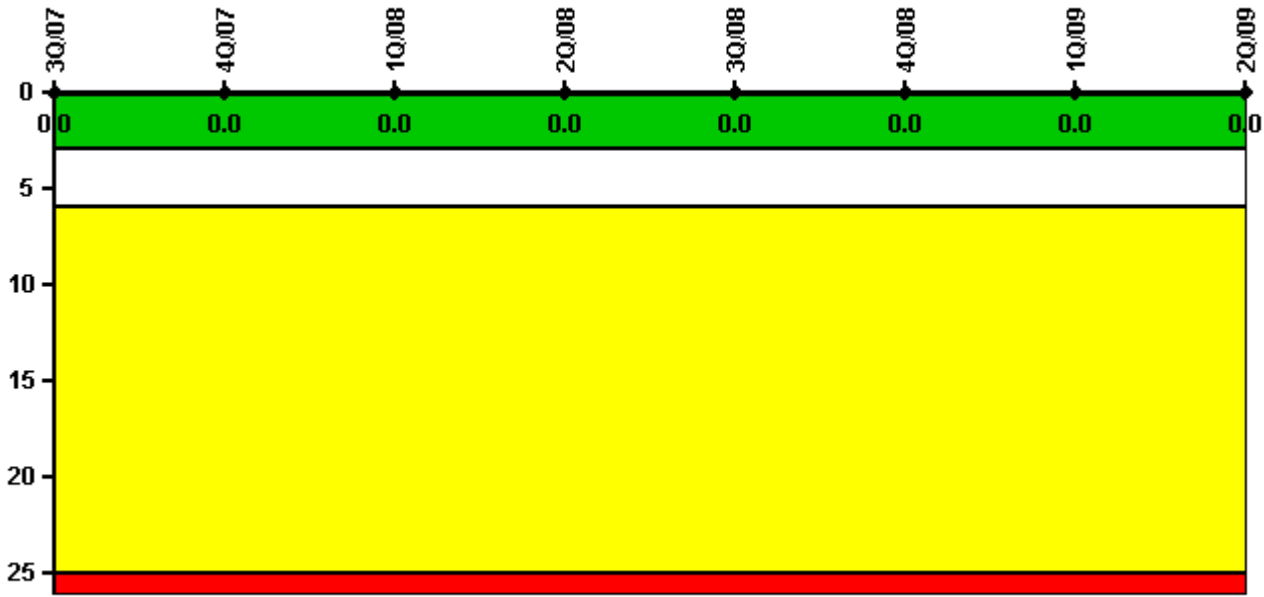
[Security](#) information not publicly available.

Catawba 1

2Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



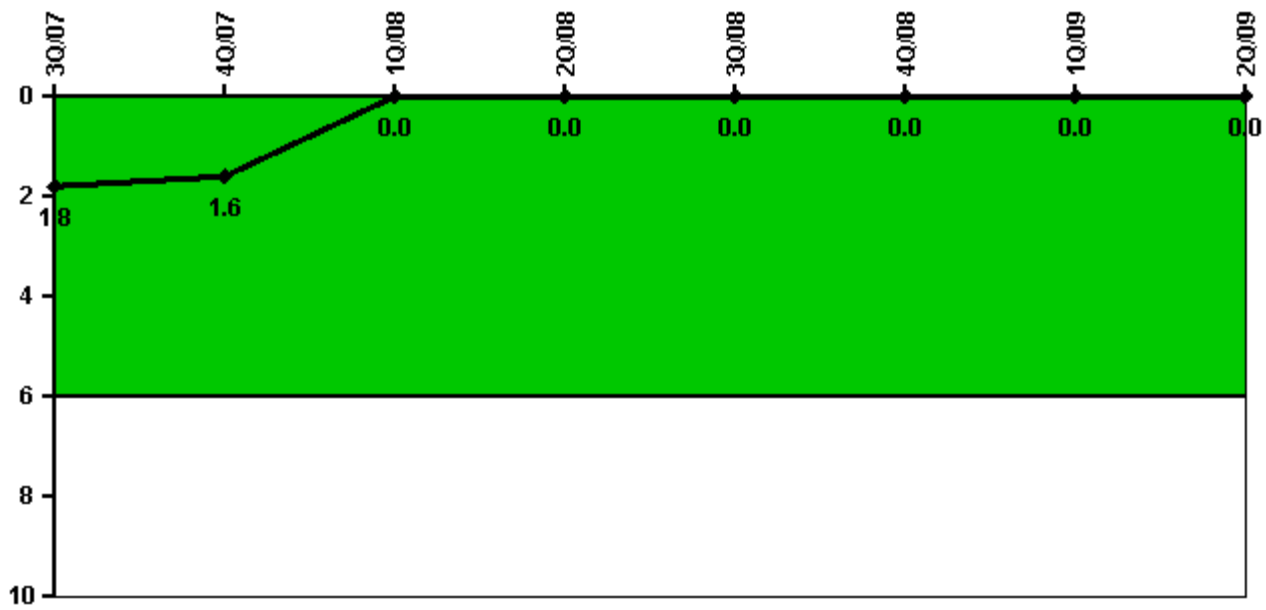
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	1044.0	2208.0	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



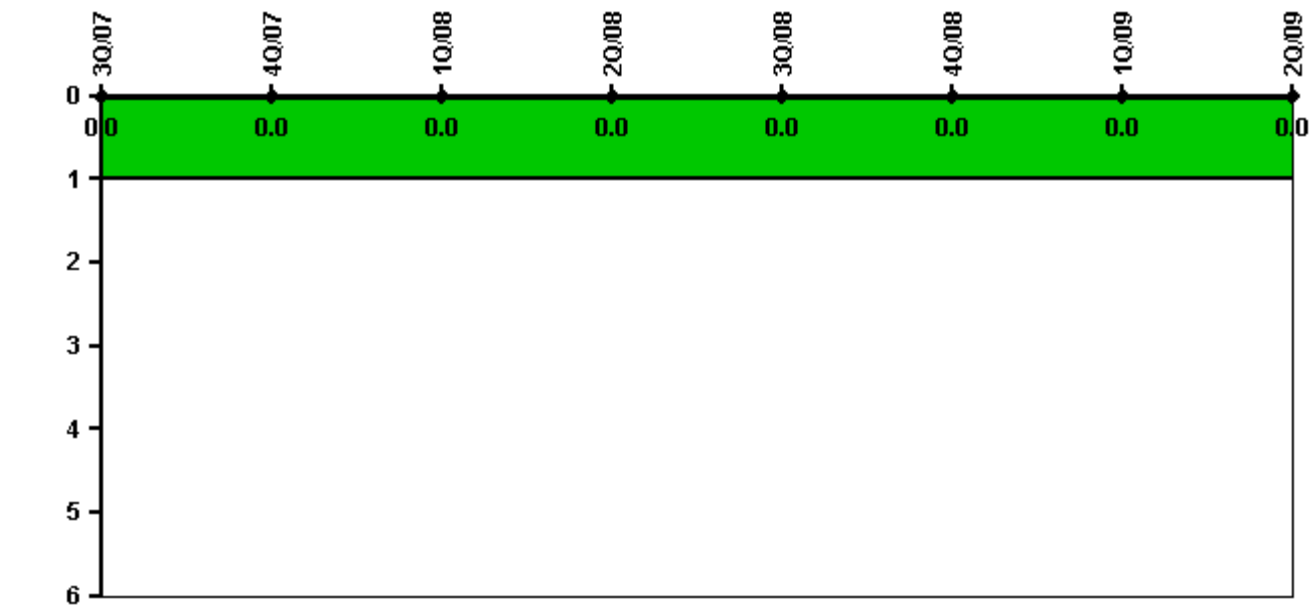
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/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	2208.0	2209.0	2183.0	1044.0	2208.0	2209.0	2159.0	2184.0
Indicator value	1.8	1.6	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



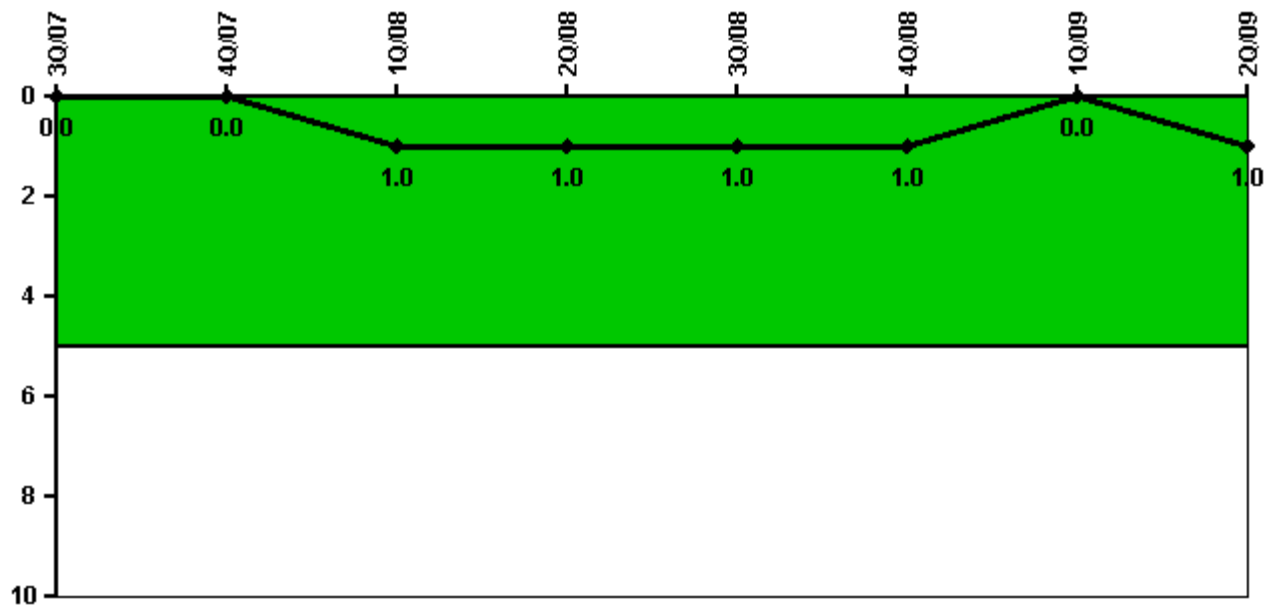
Thresholds: White > 1.0

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

Licensee Comments: none

Safety System Functional Failures (PWR)

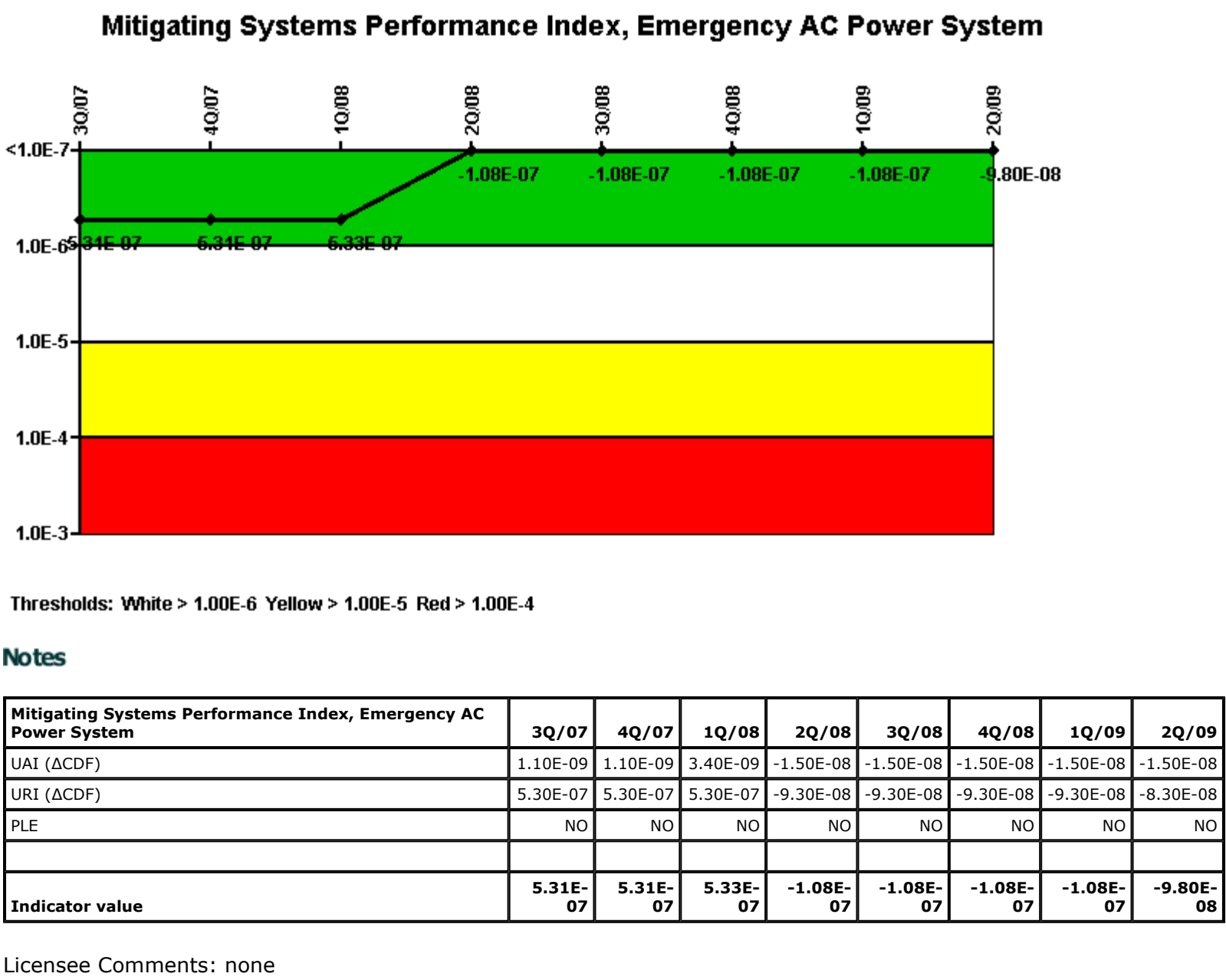


Thresholds: White > 5.0

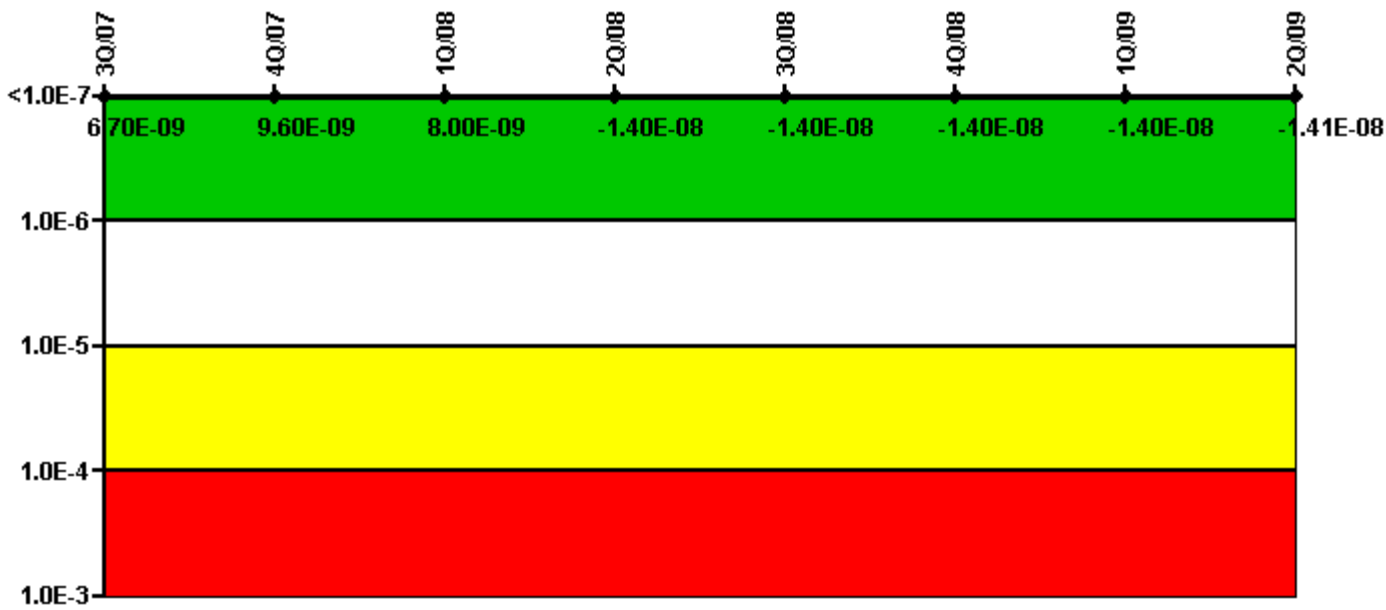
Notes

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

Licensee Comments: none



Mitigating Systems Performance Index, High Pressure Injection System



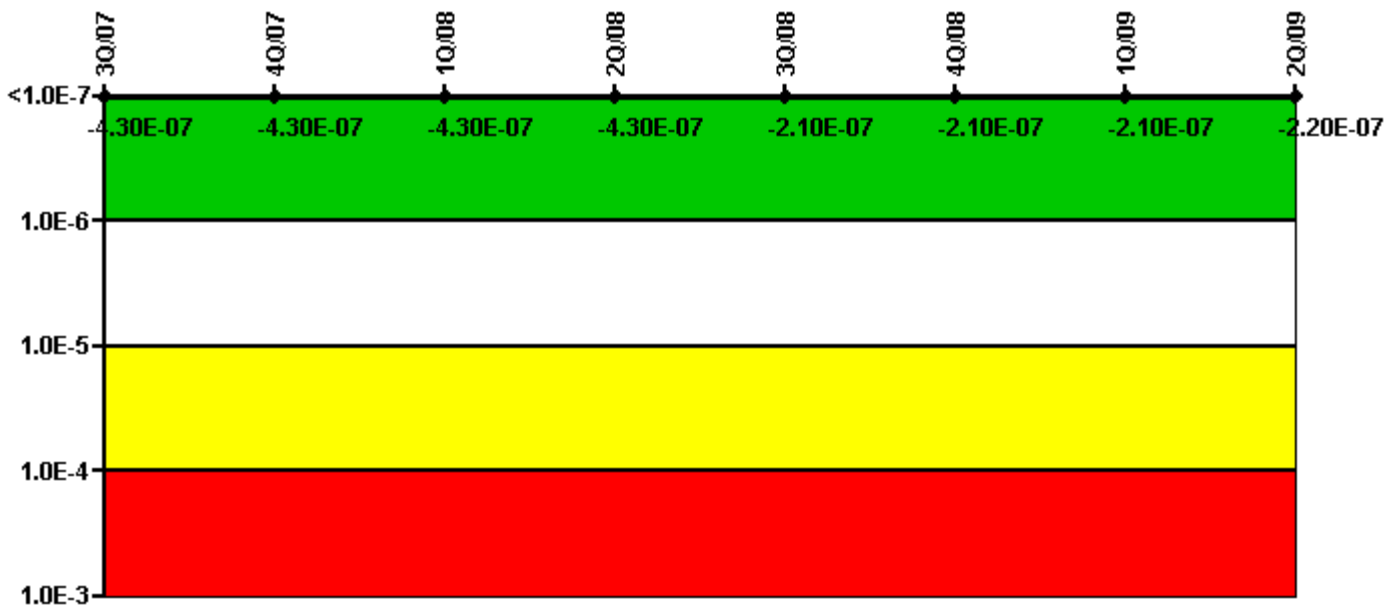
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-1.40E-09	-1.40E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.10E-09
URI (ΔCDF)	8.10E-09	1.10E-08	1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.70E-09	9.60E-09	8.00E-09	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.41E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



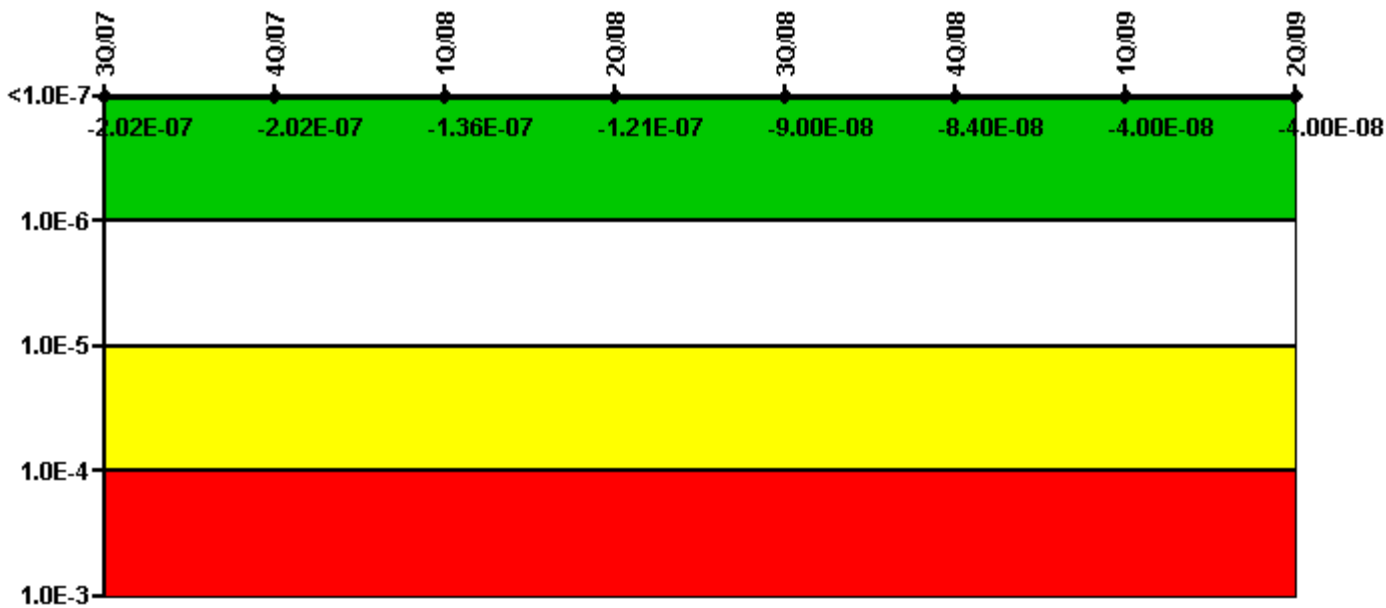
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.00E-07
URI (ΔCDF)	-3.20E-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	-4.30E-07	-4.30E-07	-4.30E-07	-4.30E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



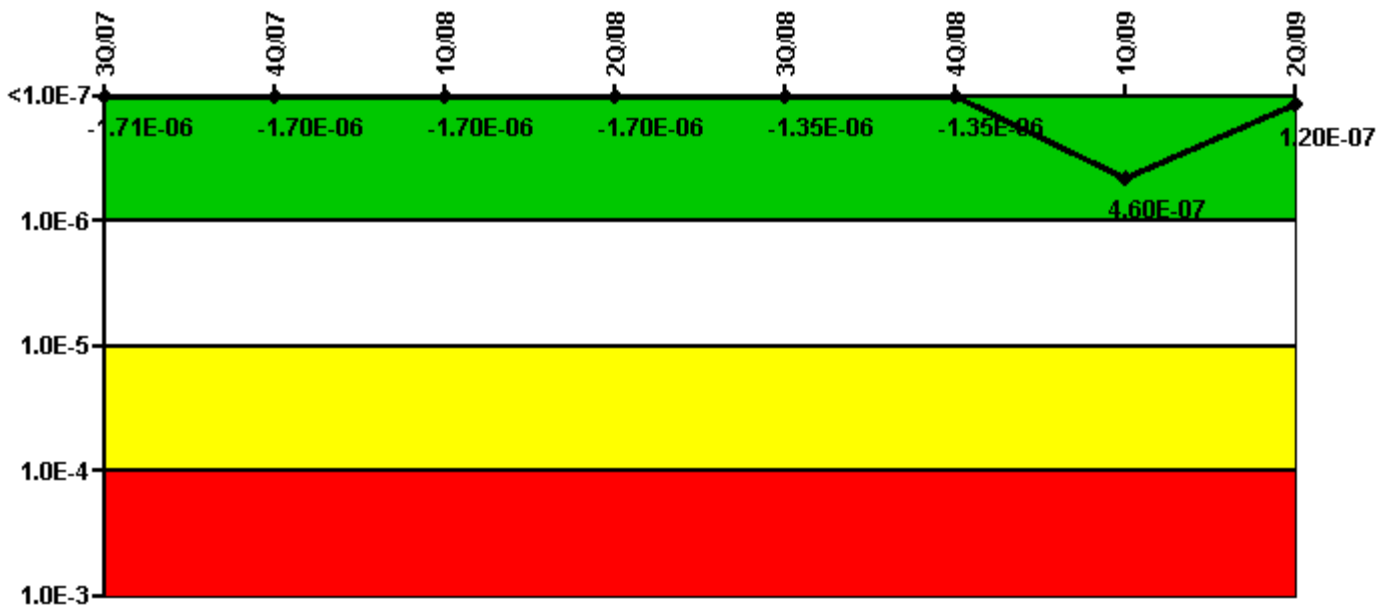
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-3.20E-08	-3.20E-08	3.40E-08	4.90E-08	8.00E-08	8.60E-08	1.30E-07	1.30E-07
URI (ΔCDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.02E-07	-2.02E-07	-1.36E-07	-1.21E-07	-9.00E-08	-8.40E-08	-4.00E-08	-4.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



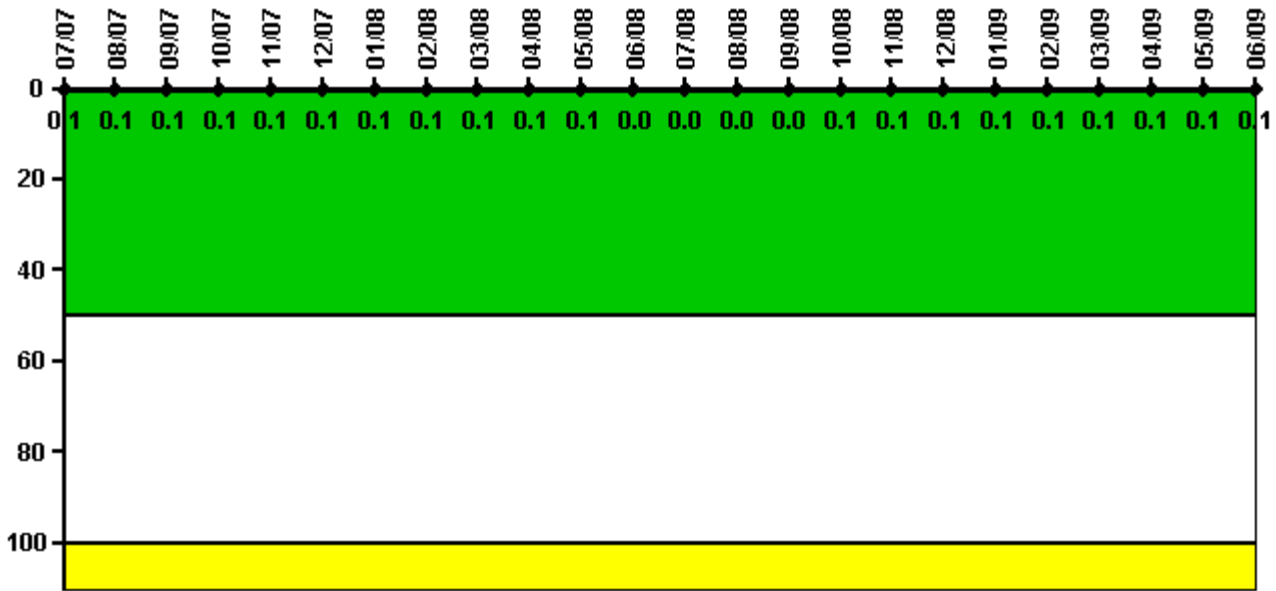
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-5.10E-07	-5.00E-07	-5.00E-07	-5.00E-07	-2.50E-07	-2.50E-07	2.50E-07	2.30E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.10E-06	-1.10E-06	2.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.71E-06	-1.70E-06	-1.70E-06	-1.70E-06	-1.35E-06	-1.35E-06	4.60E-07	1.20E-07

Licensee Comments: none

Reactor Coolant System Activity



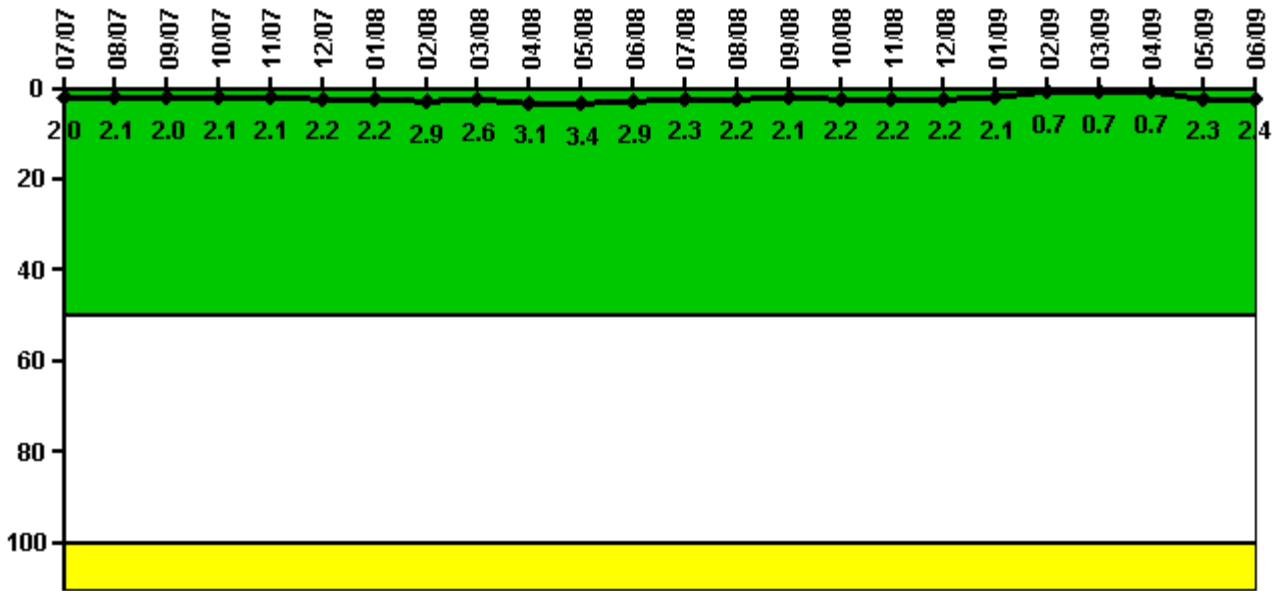
Thresholds: White > 50.0 Yellow > 100.0

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	0.000302	0.000269	0.000277	0.000302	0.000307	0.000323	0.000328	0.000324	0.000353	0.000332	0.000383	0.000149
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.000182	0.000195	0.000202	0.000247	0.000262	0.000272	0.000278	0.000312	0.000318	0.000309	0.000323	0.000399
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



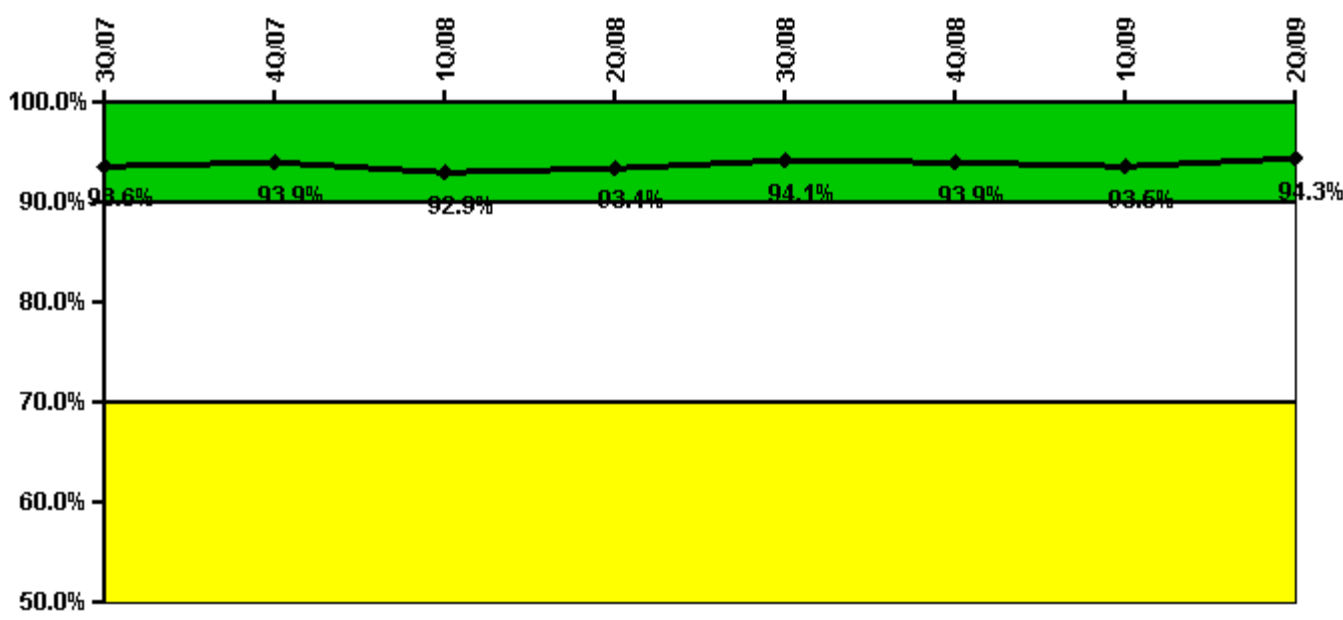
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.203	0.211	0.204	0.212	0.214	0.218	0.223	0.287	0.263	0.307	0.341	0.289
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	2.1	2.0	2.1	2.1	2.2	2.2	2.9	2.6	3.1	3.4	2.9
Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.226	0.215	0.205	0.215	0.216	0.222	0.214	0.065	0.067	0.074	0.225	0.241
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	2.2	2.1	2.2	2.2	2.2	2.1	0.7	0.7	0.7	2.3	2.4

Licensee Comments: none

Drill/Exercise Performance



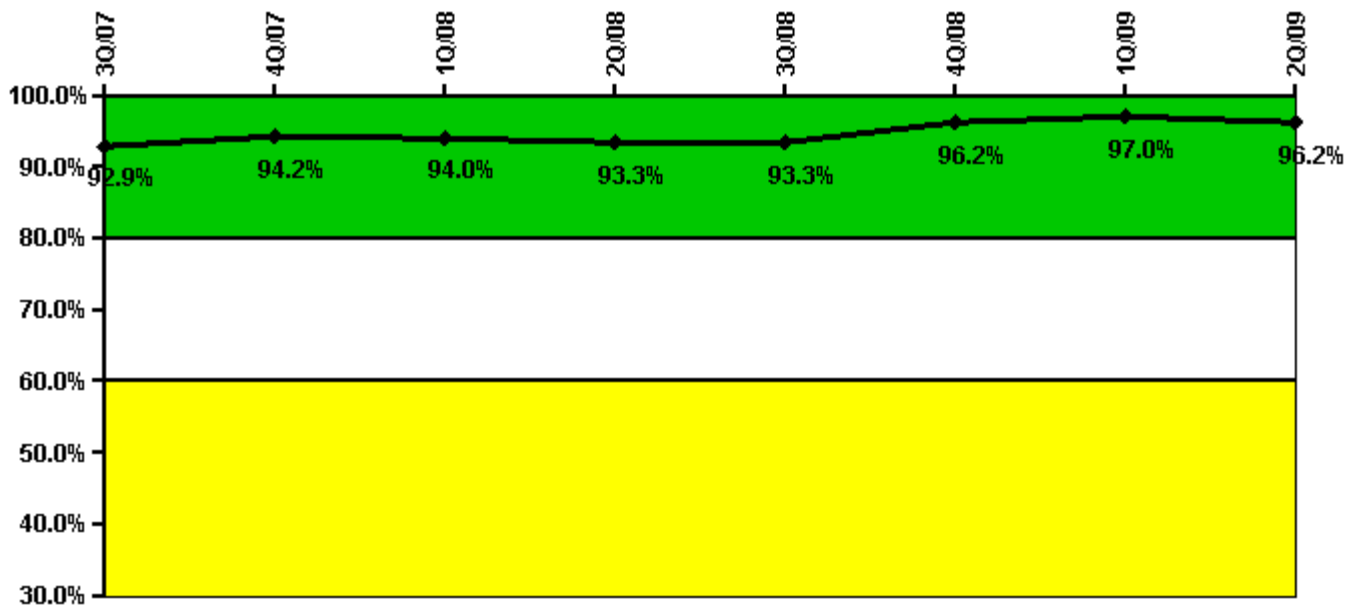
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	95.0	24.0	54.0	36.0	65.0	16.0	3.0	19.0
Total opportunities	98.0	24.0	60.0	38.0	71.0	17.0	3.0	20.0
Indicator value	93.6%	93.9%	92.9%	93.4%	94.1%	93.9%	93.5%	94.3%

Licensee Comments: none

ERO Drill Participation



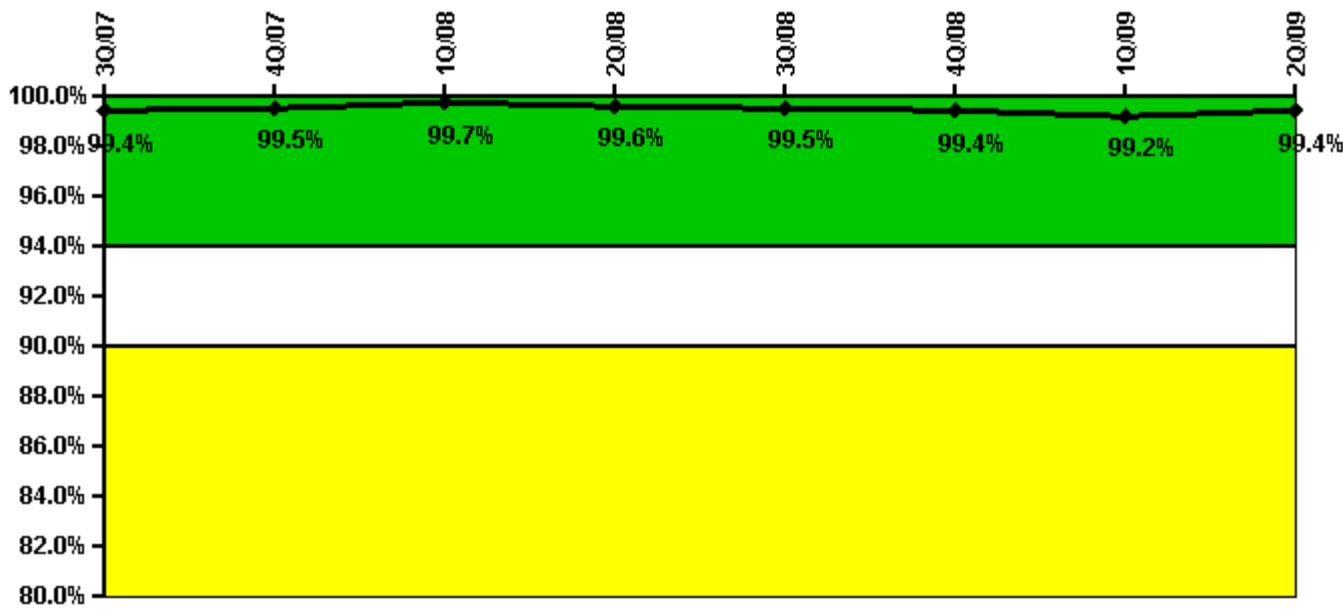
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	130.0	130.0	125.0	125.0	126.0	128.0	128.0	128.0
Total Key personnel	140.0	138.0	133.0	134.0	135.0	133.0	132.0	133.0
Indicator value	92.9%	94.2%	94.0%	93.3%	93.3%	96.2%	97.0%	96.2%

Licensee Comments: none

Alert & Notification System



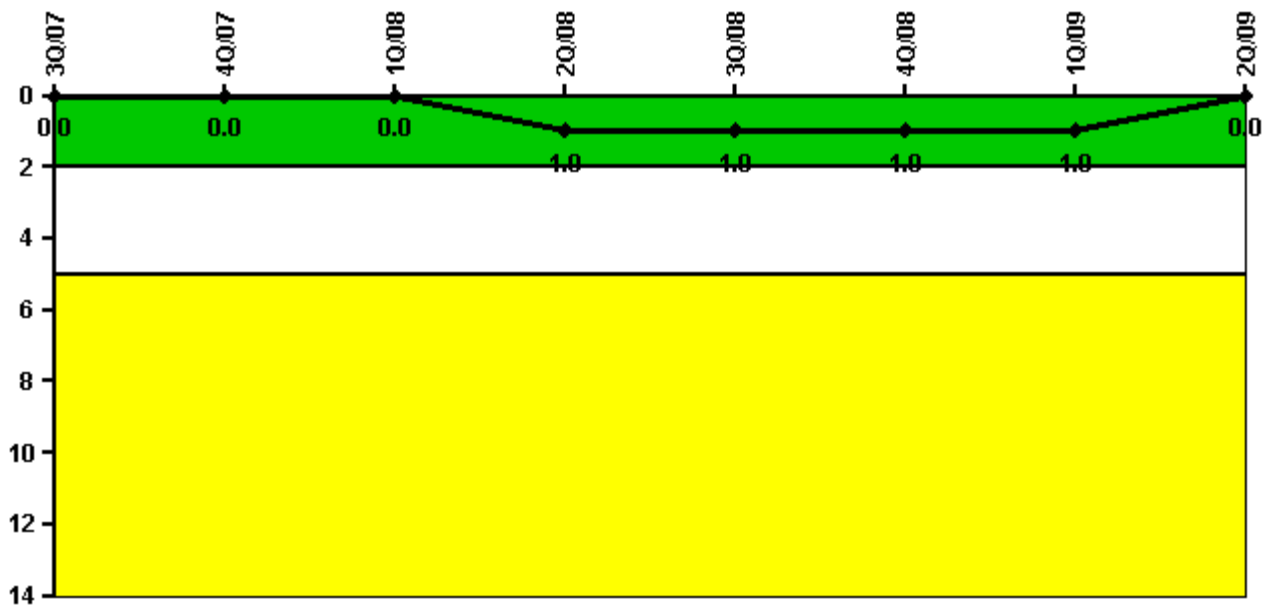
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	2386	2400	2400	2390	2372	2391	2386	2401
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.4%	99.5%	99.7%	99.6%	99.5%	99.4%	99.2%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



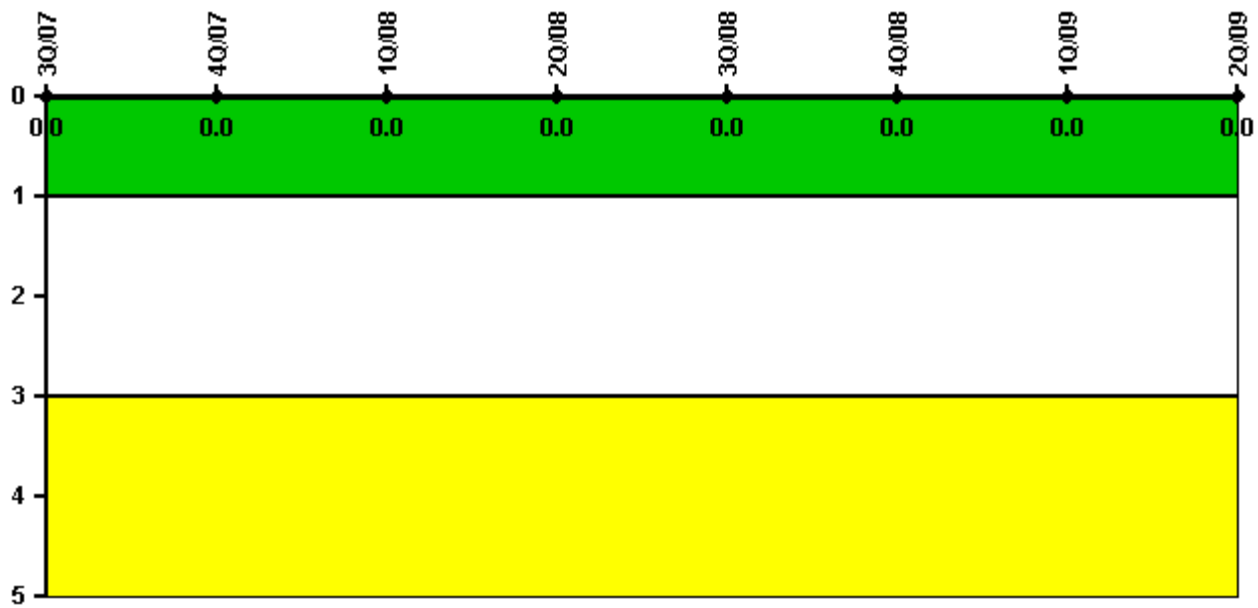
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

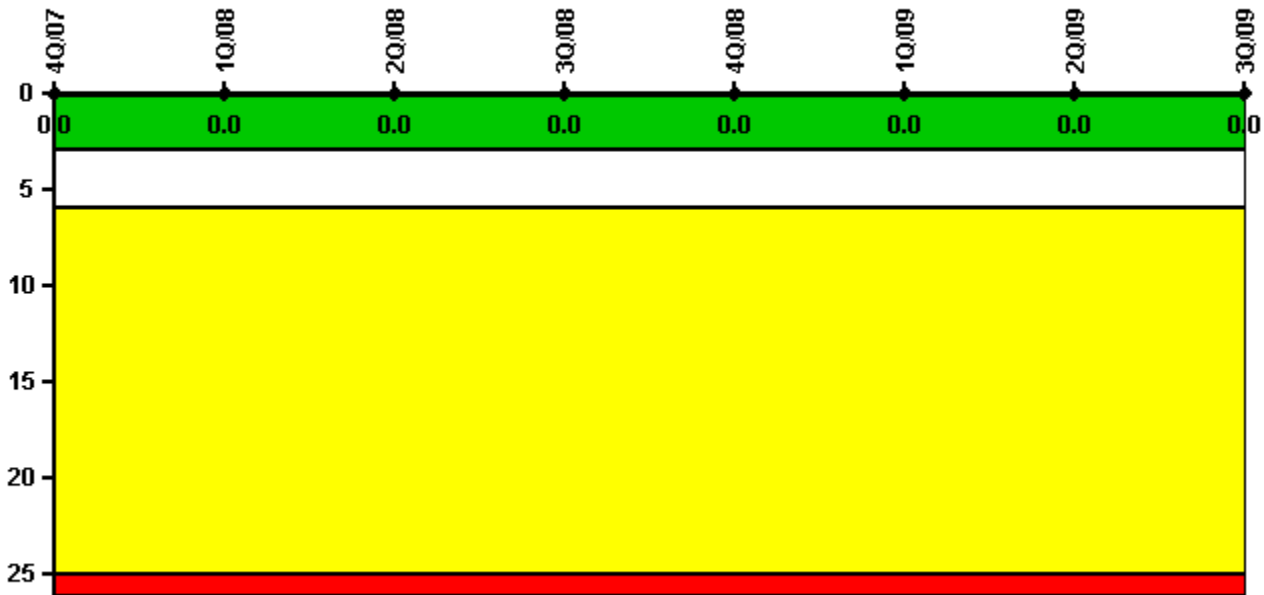
[Security](#) information not publicly available.

Catawba 1

3Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



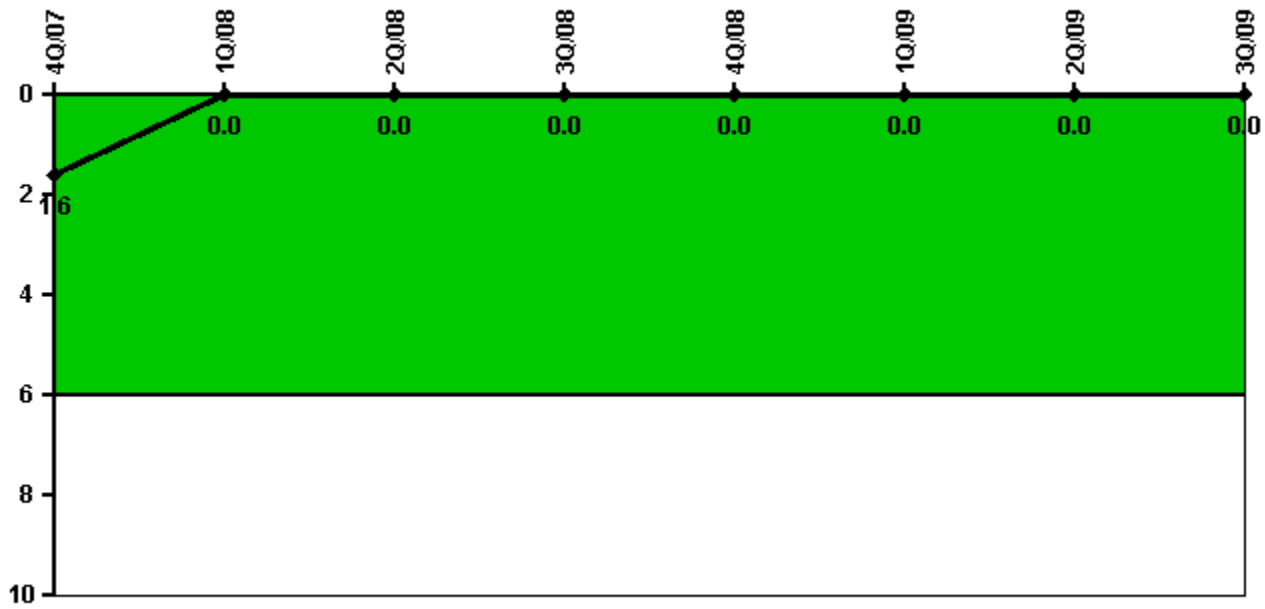
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	1044.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



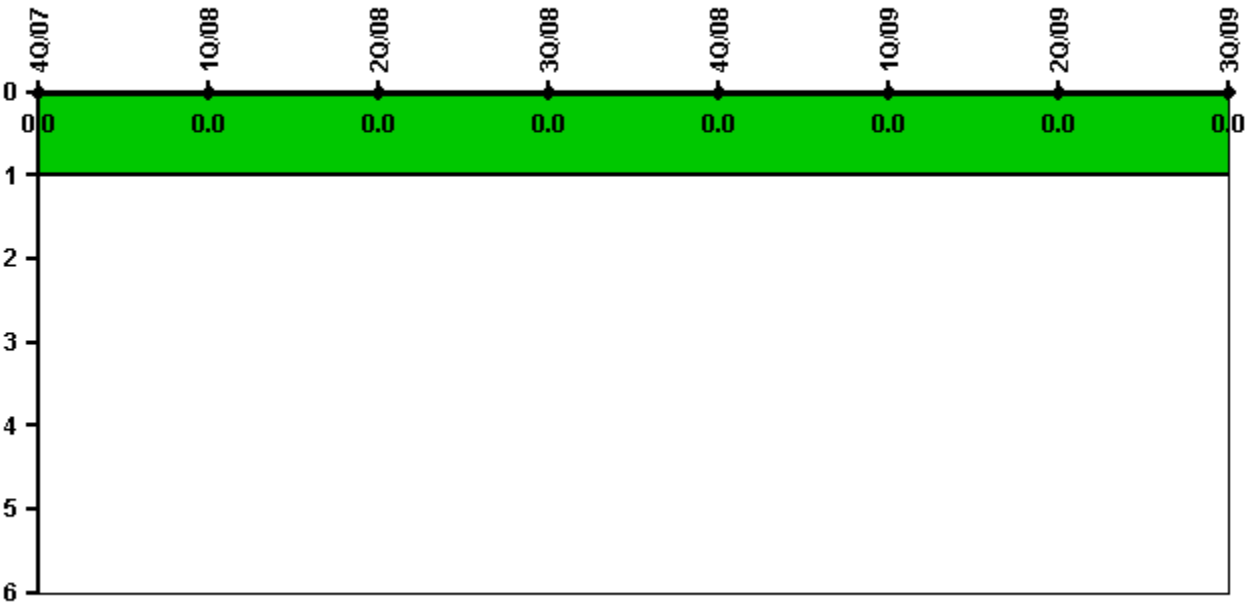
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/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	0
Critical hours	2209.0	2183.0	1044.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	1.6	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



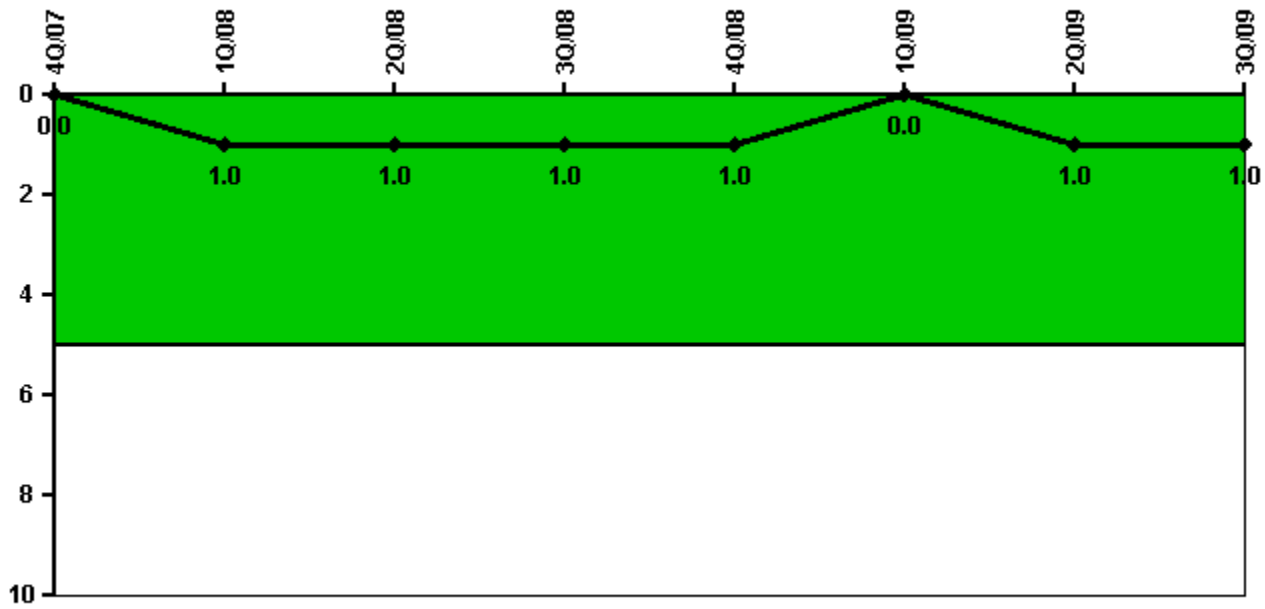
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



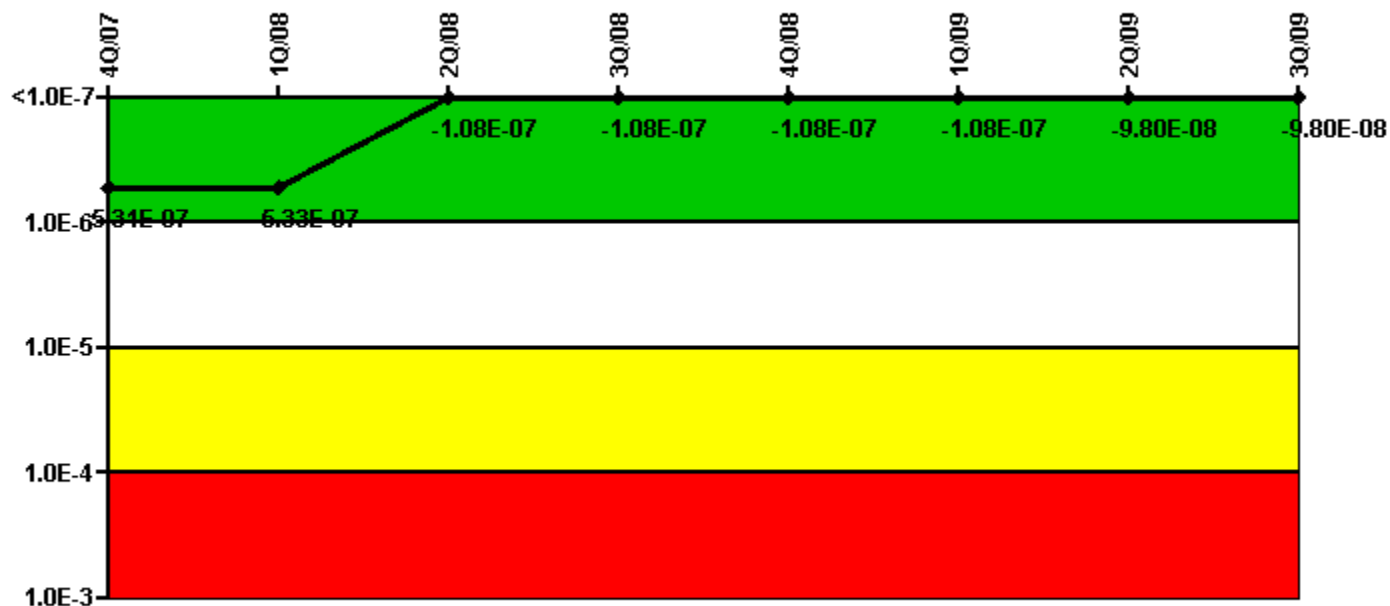
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



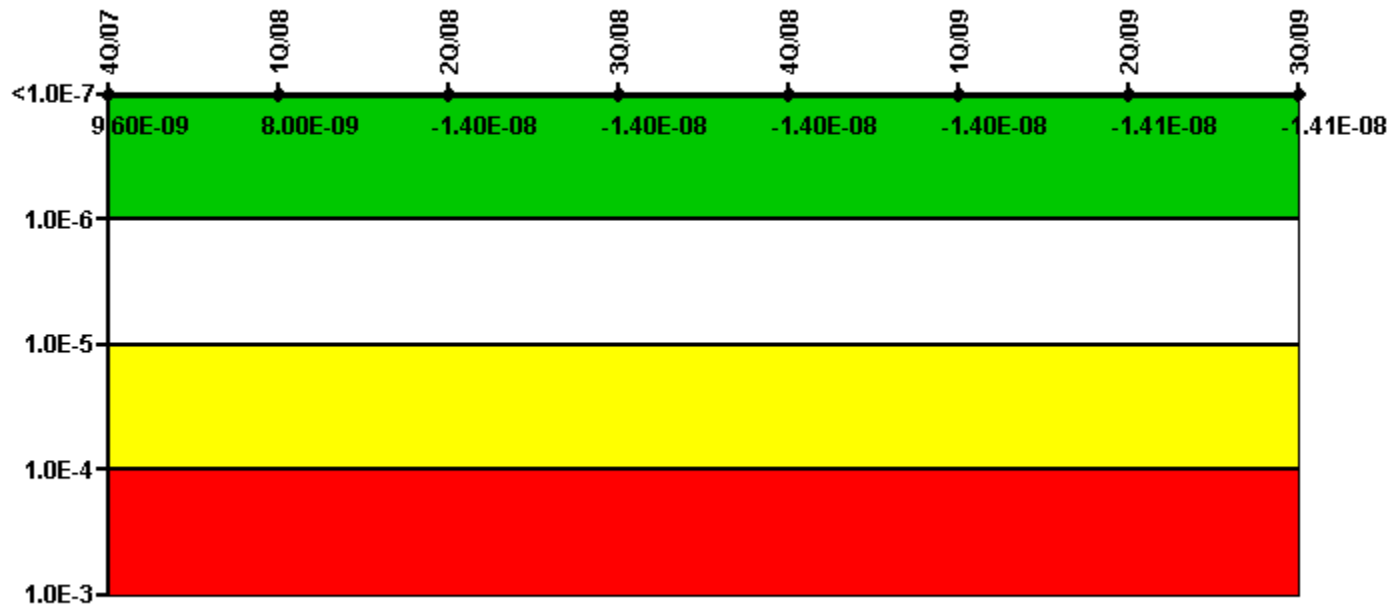
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	1.10E-09	3.40E-09	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (Δ CDF)	5.30E-07	5.30E-07	-9.30E-08	-9.30E-08	-9.30E-08	-9.30E-08	-8.30E-08	-8.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.31E-07	5.33E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-9.80E-08	-9.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



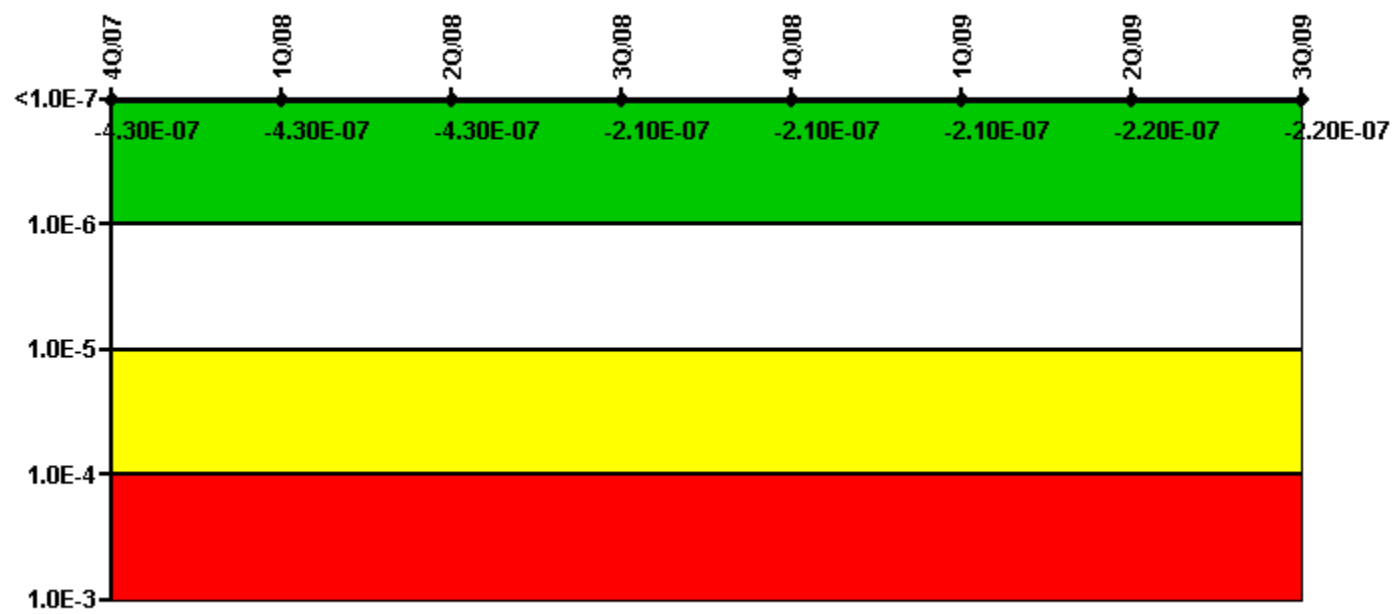
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-1.40E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.10E-09	-3.10E-09
URI (Δ CDF)	1.10E-08	1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.60E-09	8.00E-09	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.41E-08	-1.41E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



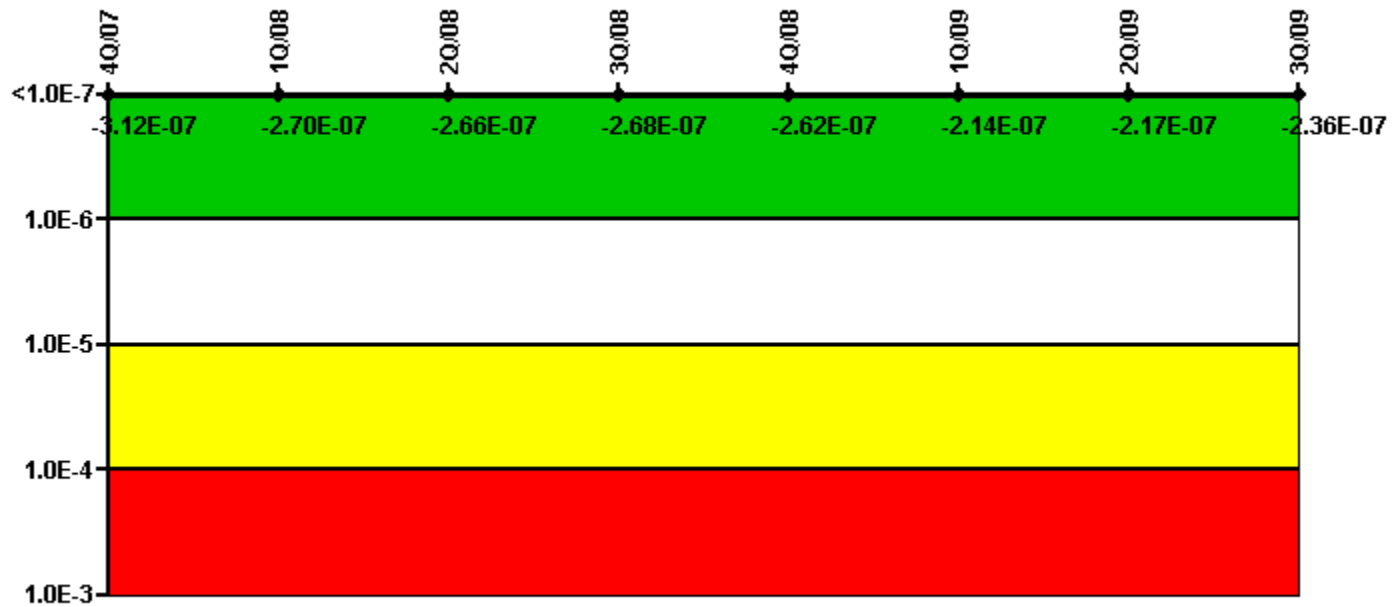
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.10E-07	-1.10E-07	-1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.00E-07	1.00E-07
URI (ΔCDF)	-3.20E-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	-4.30E-07	-4.30E-07	-4.30E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.20E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



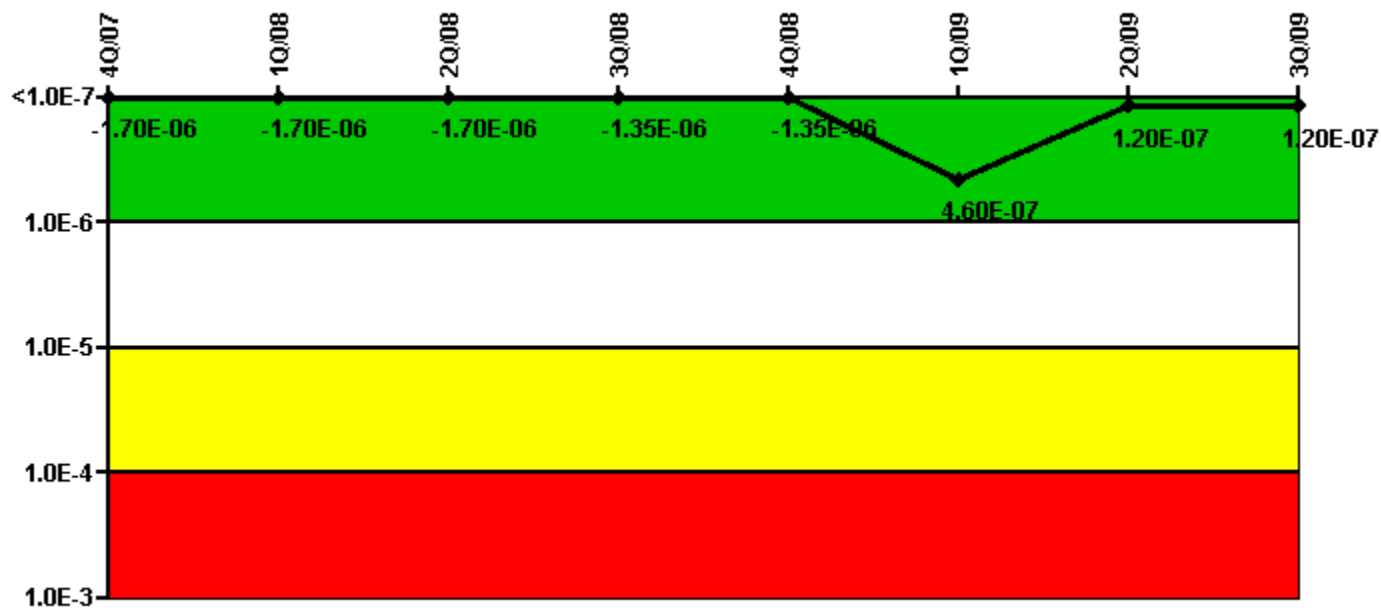
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-3.20E-08	9.90E-09	1.40E-08	1.20E-08	1.80E-08	6.60E-08	6.30E-08	4.40E-08
URI (ΔCDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.12E-07	-2.70E-07	-2.66E-07	-2.68E-07	-2.62E-07	-2.14E-07	-2.17E-07	-2.36E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



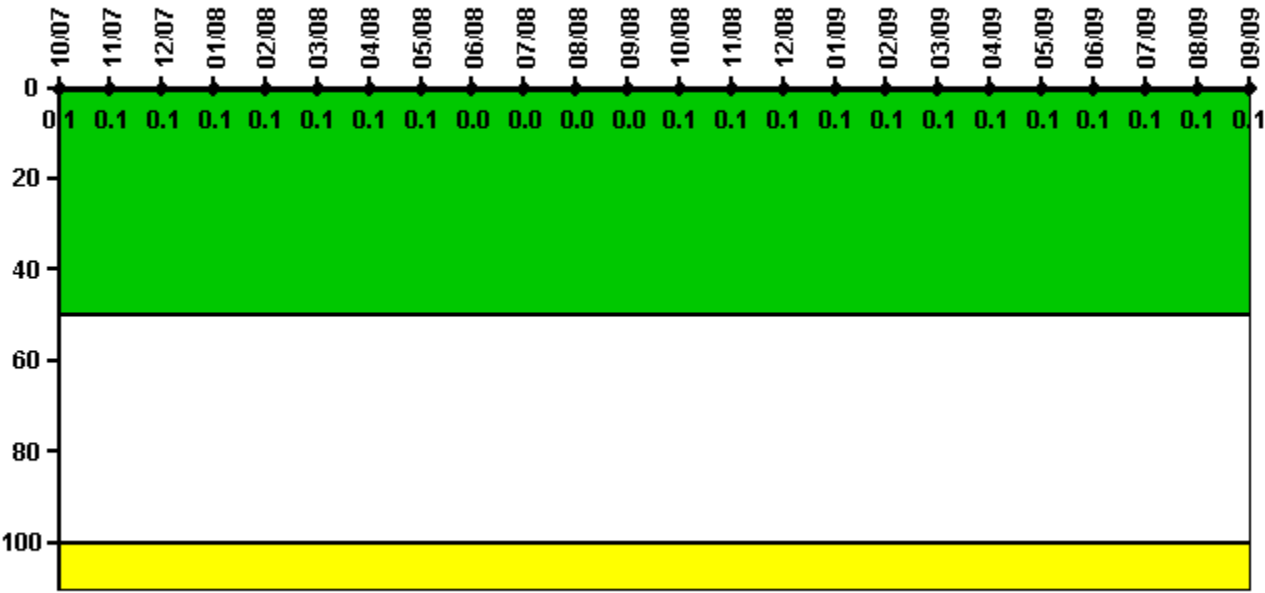
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-5.00E-07	-5.00E-07	-5.00E-07	-2.50E-07	-2.50E-07	2.50E-07	2.30E-07	2.30E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.20E-06	-1.10E-06	-1.10E-06	2.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-06	-1.70E-06	-1.70E-06	-1.35E-06	-1.35E-06	4.60E-07	1.20E-07	1.20E-07

Licensee Comments: none

Reactor Coolant System Activity



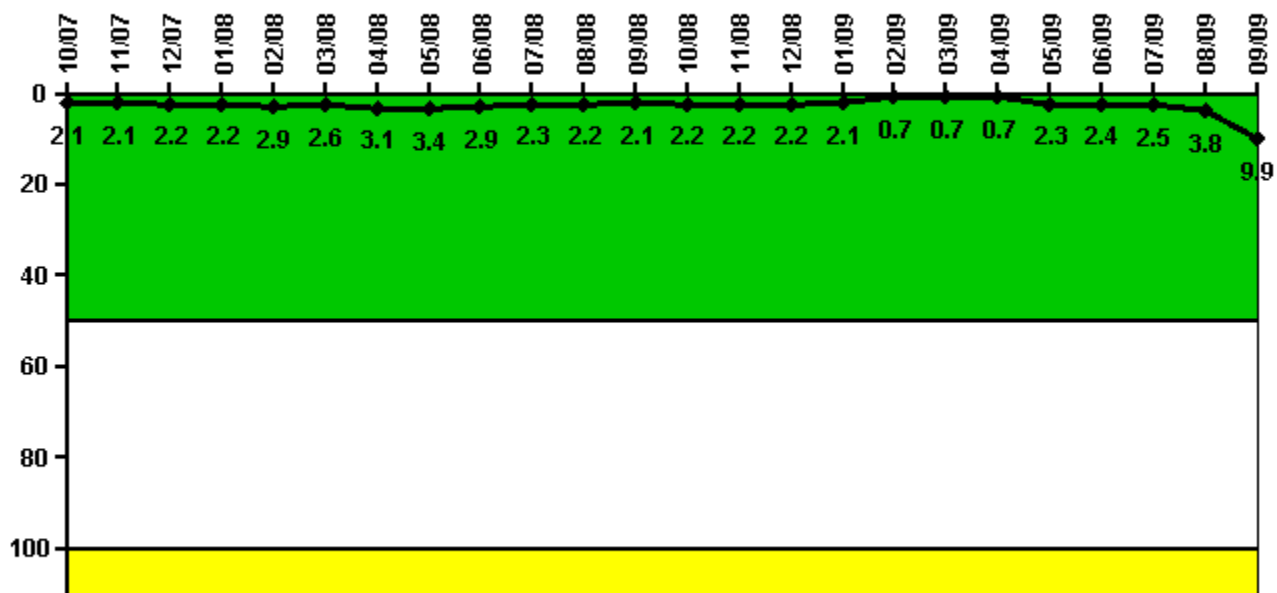
Thresholds: White > 50.0 Yellow > 100.0

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	0.000302	0.000307	0.000323	0.000328	0.000324	0.000353	0.000332	0.000383	0.000149	0.000182	0.000195	0.000202
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.000247	0.000262	0.000272	0.000278	0.000312	0.000318	0.000309	0.000323	0.000399	0.000332	0.000393	0.000364
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



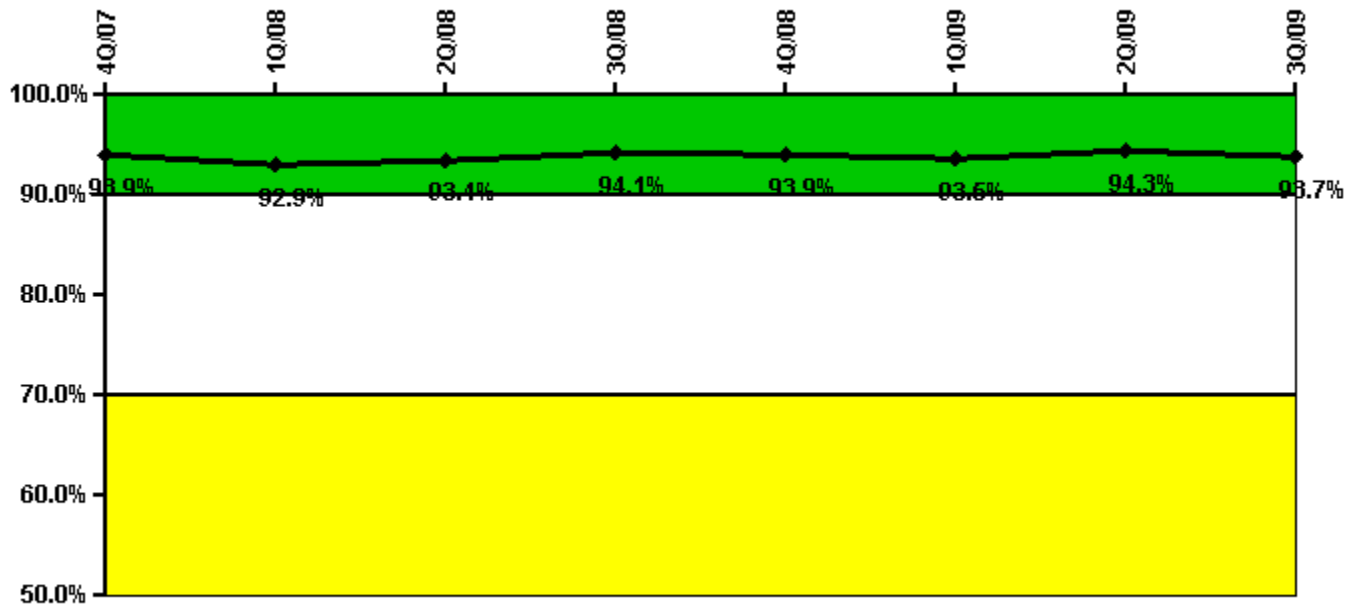
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.212	0.214	0.218	0.223	0.287	0.263	0.307	0.341	0.289	0.226	0.215	0.205
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.1	2.1	2.2	2.2	2.9	2.6	3.1	3.4	2.9	2.3	2.2	2.1
Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0.215	0.216	0.222	0.214	0.065	0.067	0.074	0.225	0.241	0.250	0.377	0.985
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.2	2.2	2.1	0.7	0.7	0.7	2.3	2.4	2.5	3.8	9.9

Licensee Comments: none

Drill/Exercise Performance



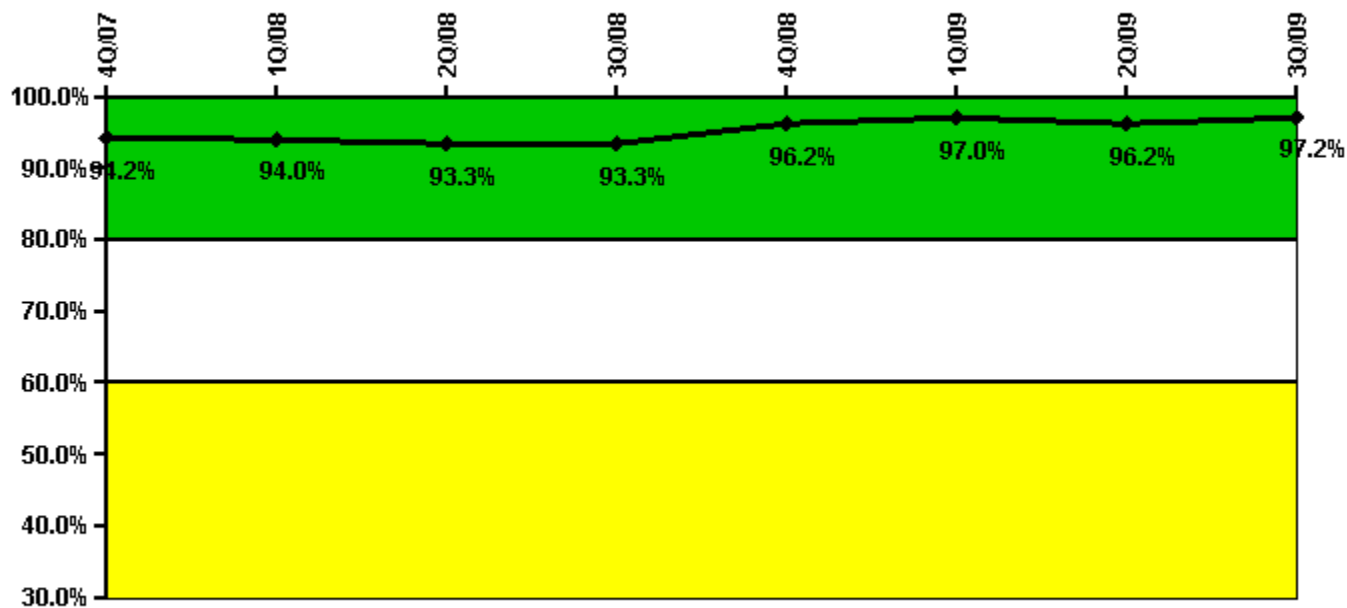
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	24.0	54.0	36.0	65.0	16.0	3.0	19.0	34.0
Total opportunities	24.0	60.0	38.0	71.0	17.0	3.0	20.0	35.0
Indicator value	93.9%	92.9%	93.4%	94.1%	93.9%	93.5%	94.3%	93.7%

Licensee Comments: none

ERO Drill Participation



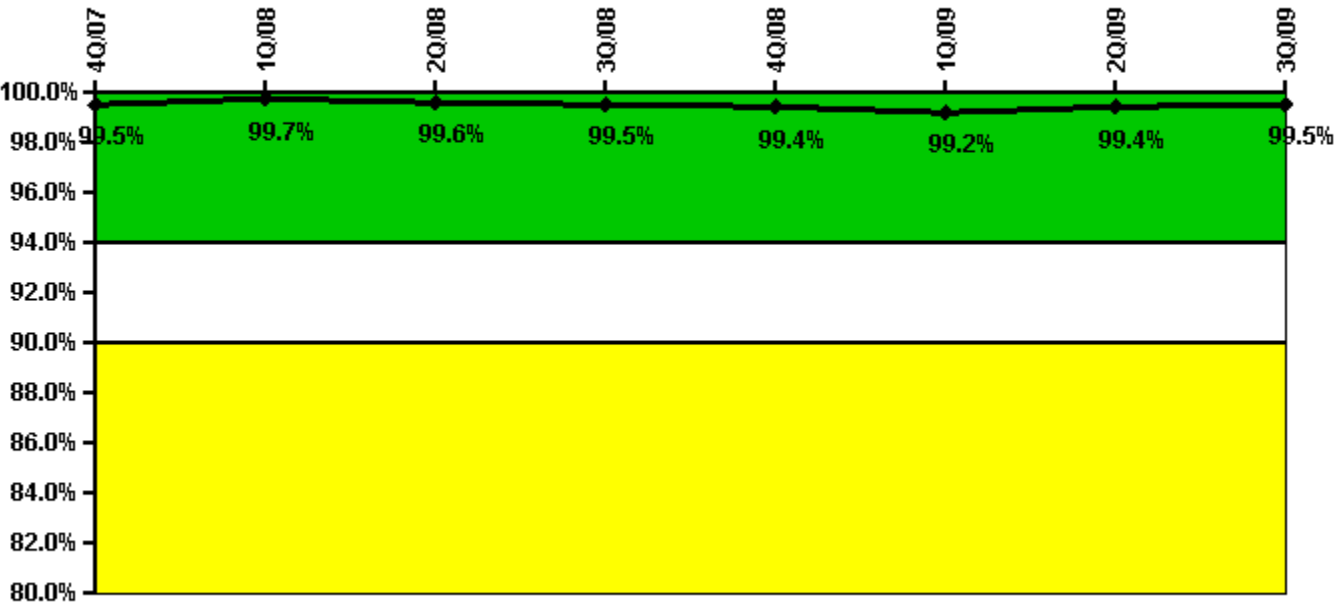
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	130.0	125.0	125.0	126.0	128.0	128.0	128.0	139.0
Total Key personnel	138.0	133.0	134.0	135.0	133.0	132.0	133.0	143.0
Indicator value	94.2%	94.0%	93.3%	93.3%	96.2%	97.0%	96.2%	97.2%

Licensee Comments: none

Alert & Notification System



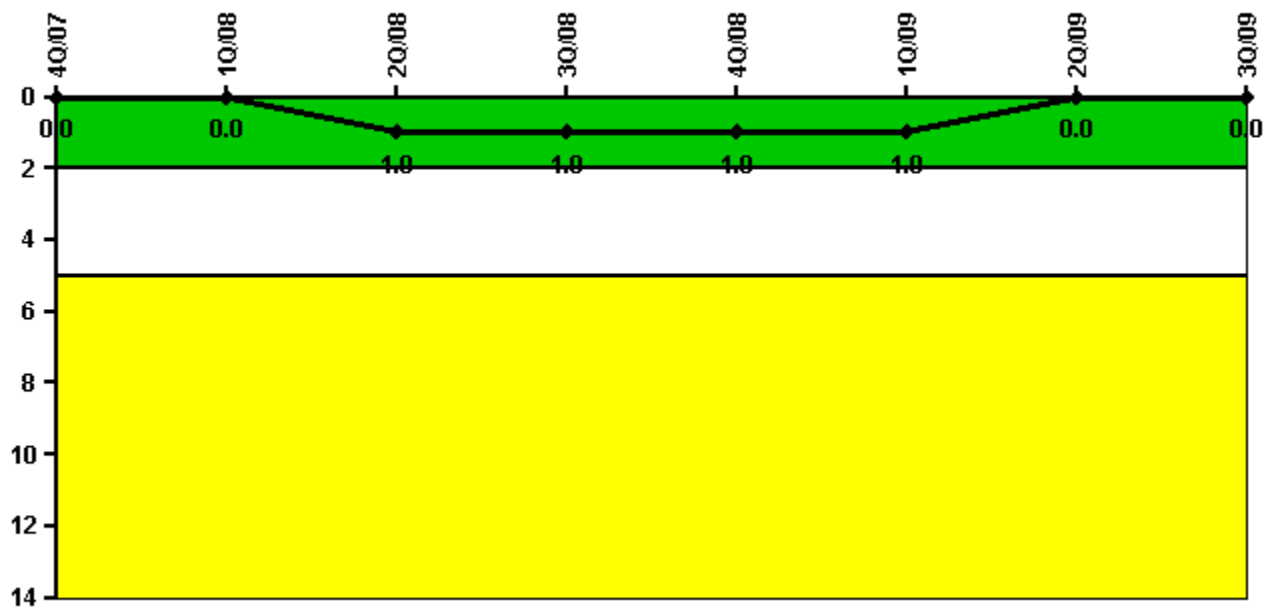
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	2400	2400	2390	2372	2391	2386	2401	2386
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.5%	99.7%	99.6%	99.5%	99.4%	99.2%	99.4%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



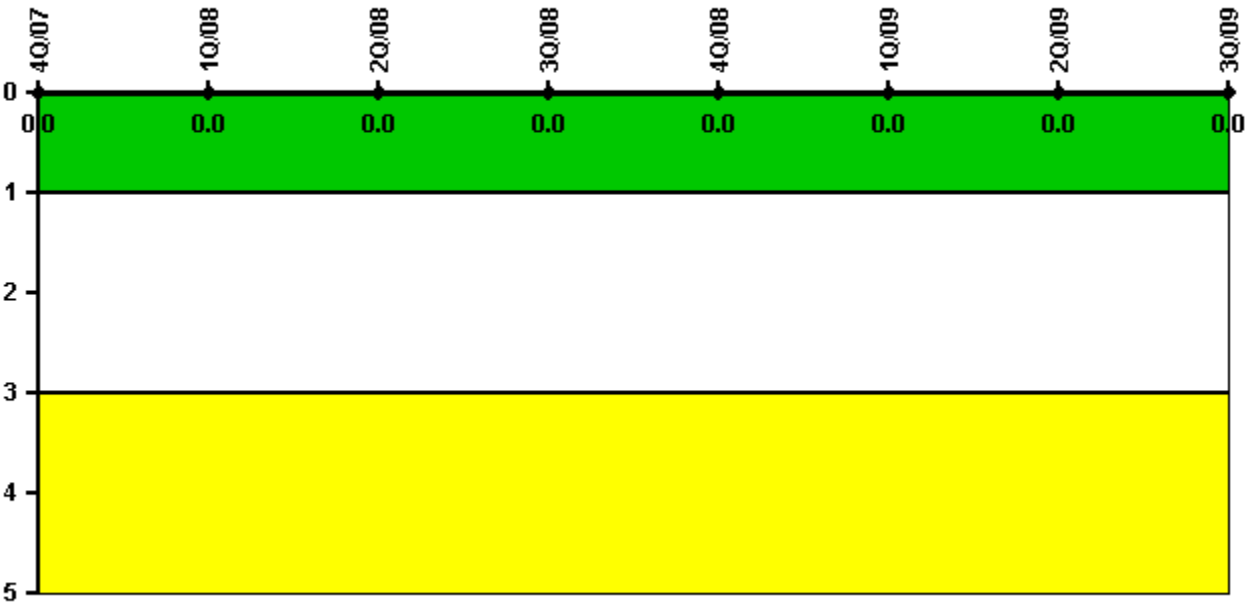
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

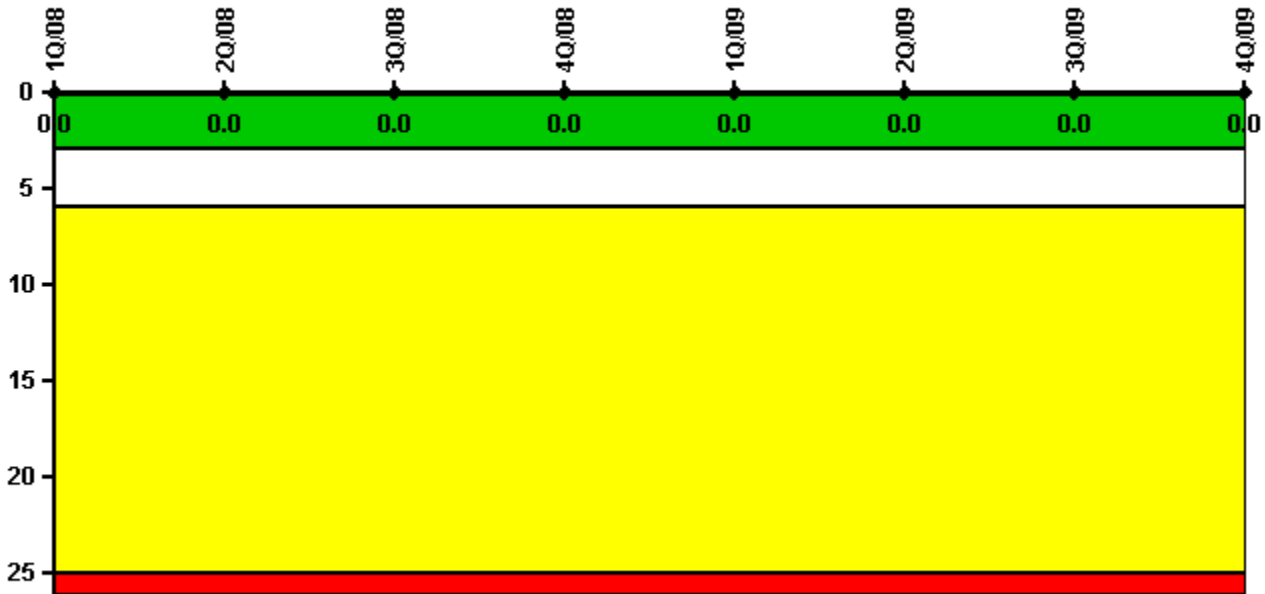
[Security](#) information not publicly available.

Catawba 1

4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



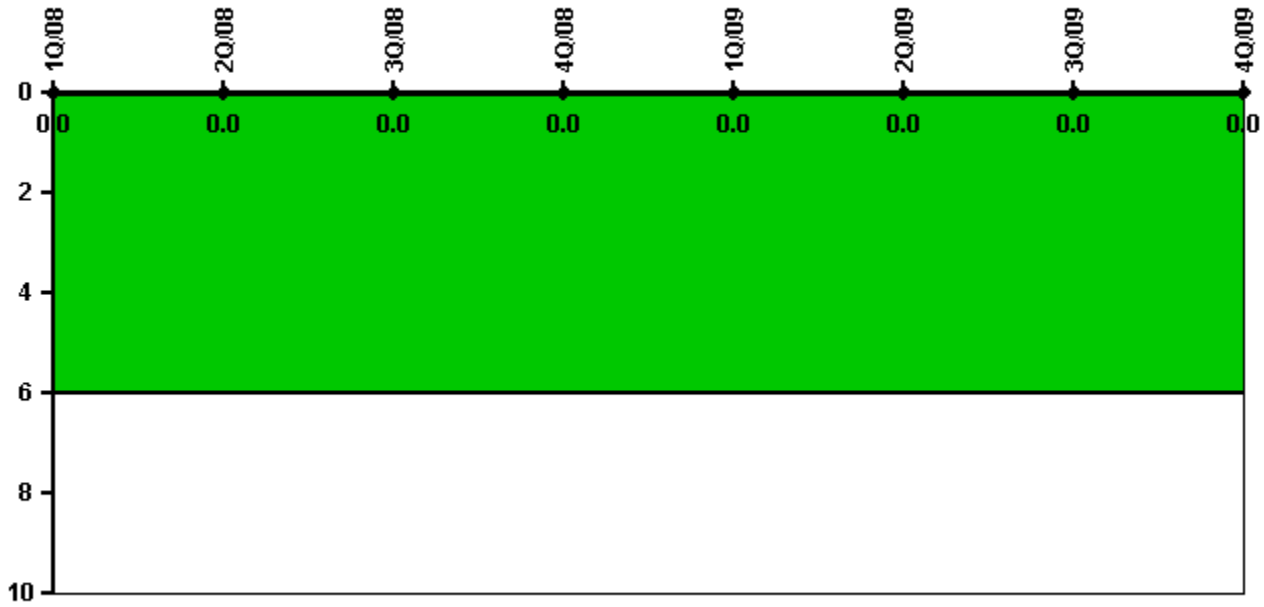
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	1044.0	2208.0	2209.0	2159.0	2184.0	2208.0	1307.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



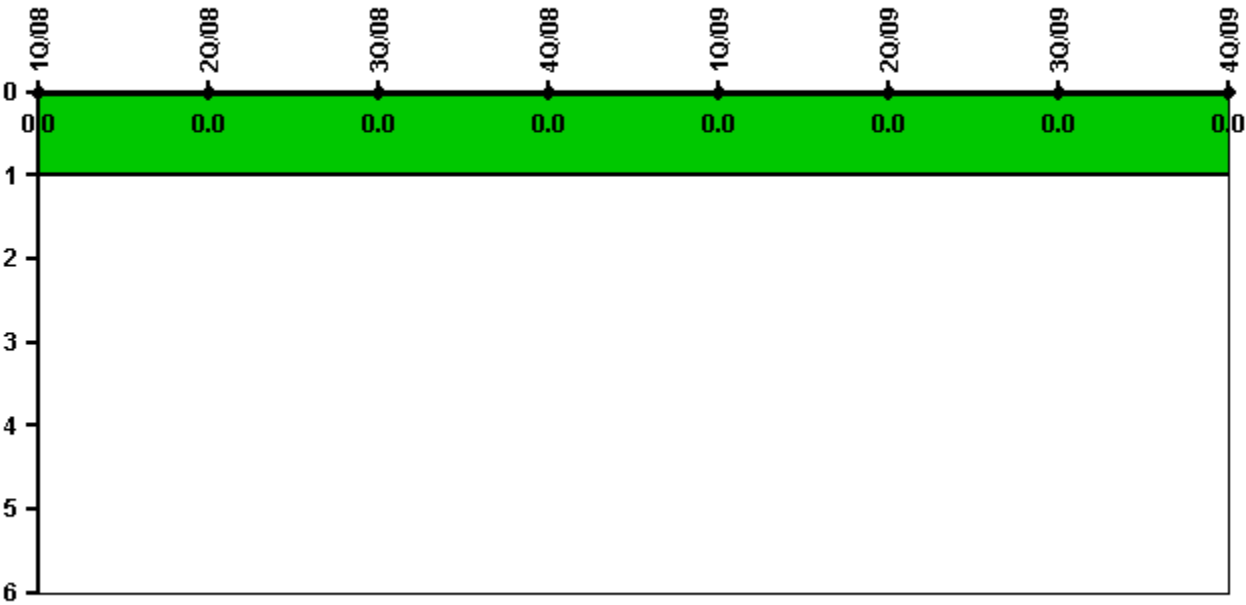
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	1044.0	2208.0	2209.0	2159.0	2184.0	2208.0	1307.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



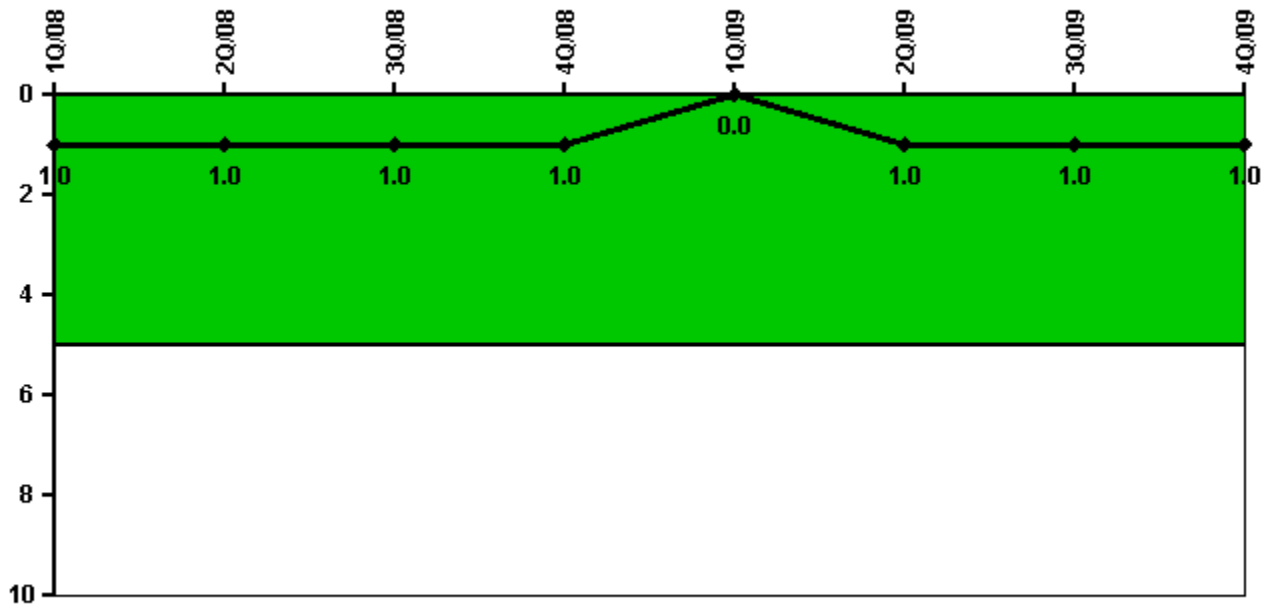
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



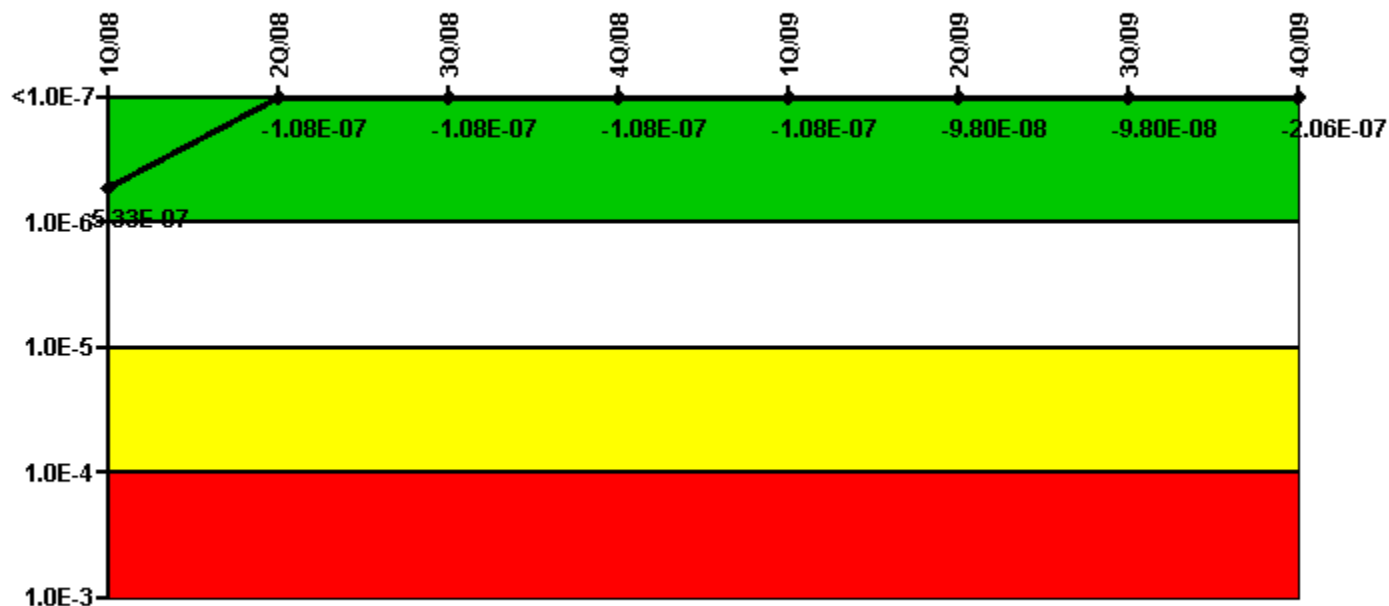
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



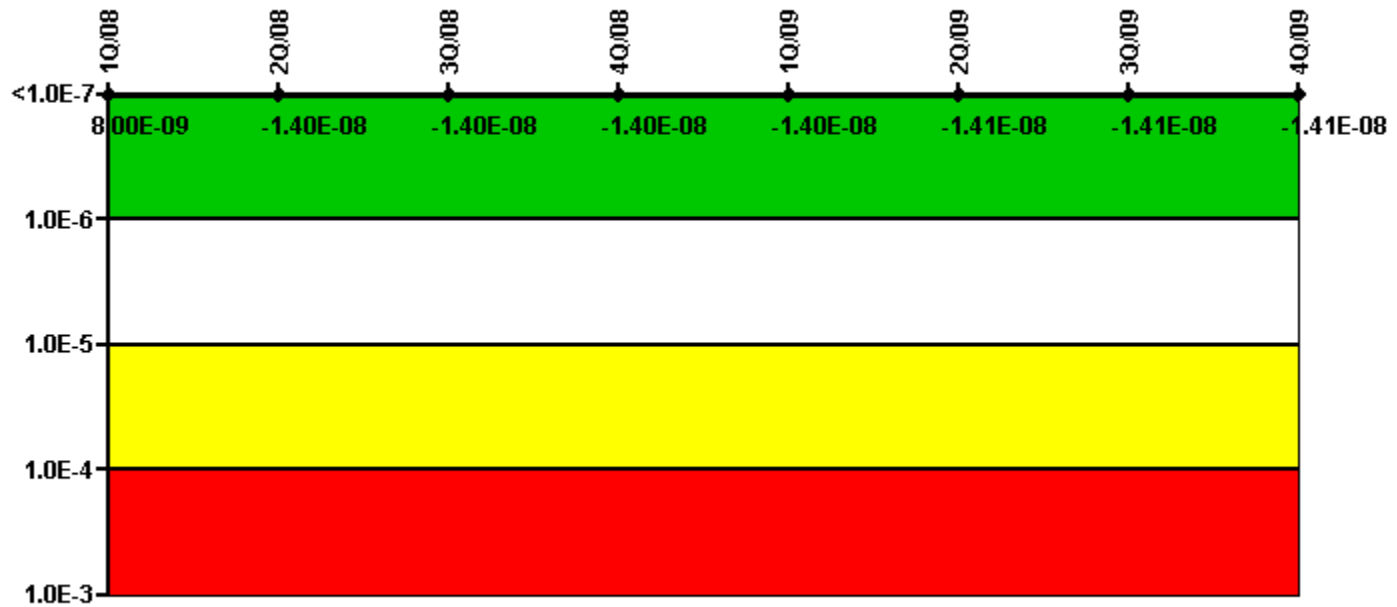
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	3.40E-09	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08
URI (Δ CDF)	5.30E-07	-9.30E-08	-9.30E-08	-9.30E-08	-9.30E-08	-8.30E-08	-8.30E-08	-1.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.33E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-9.80E-08	-9.80E-08	-2.06E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



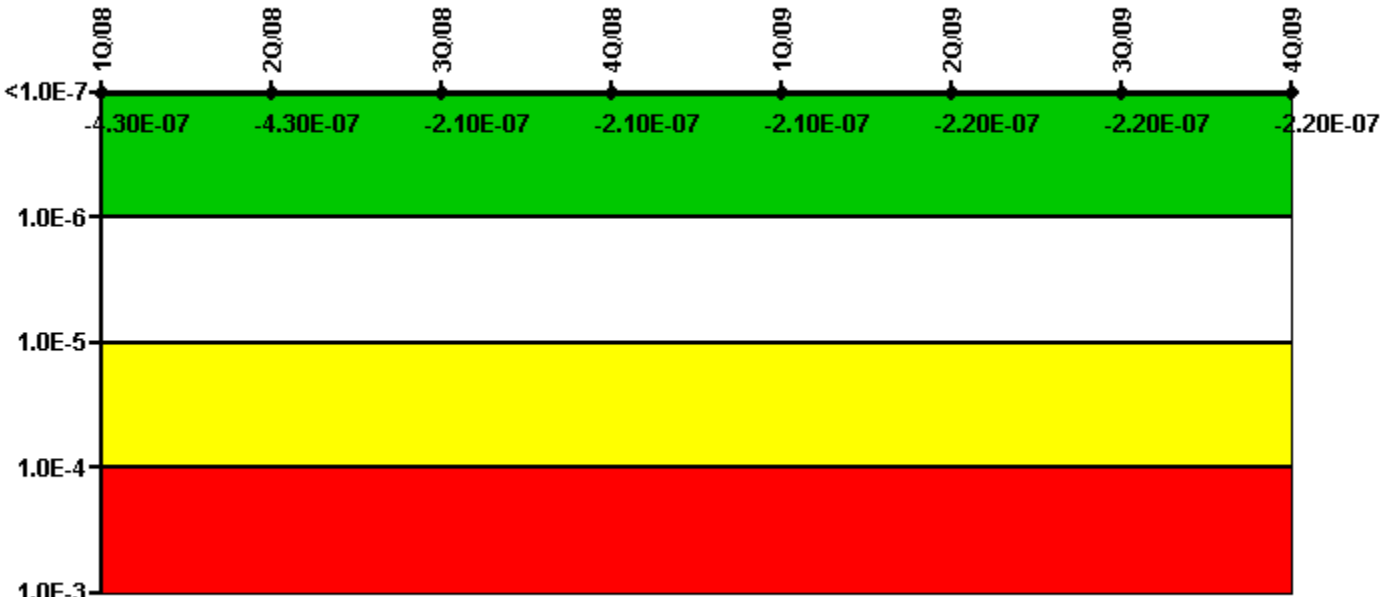
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.10E-09	-3.10E-09	-3.10E-09
URI (ΔCDF)	1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.00E-09	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.41E-08	-1.41E-08	-1.41E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



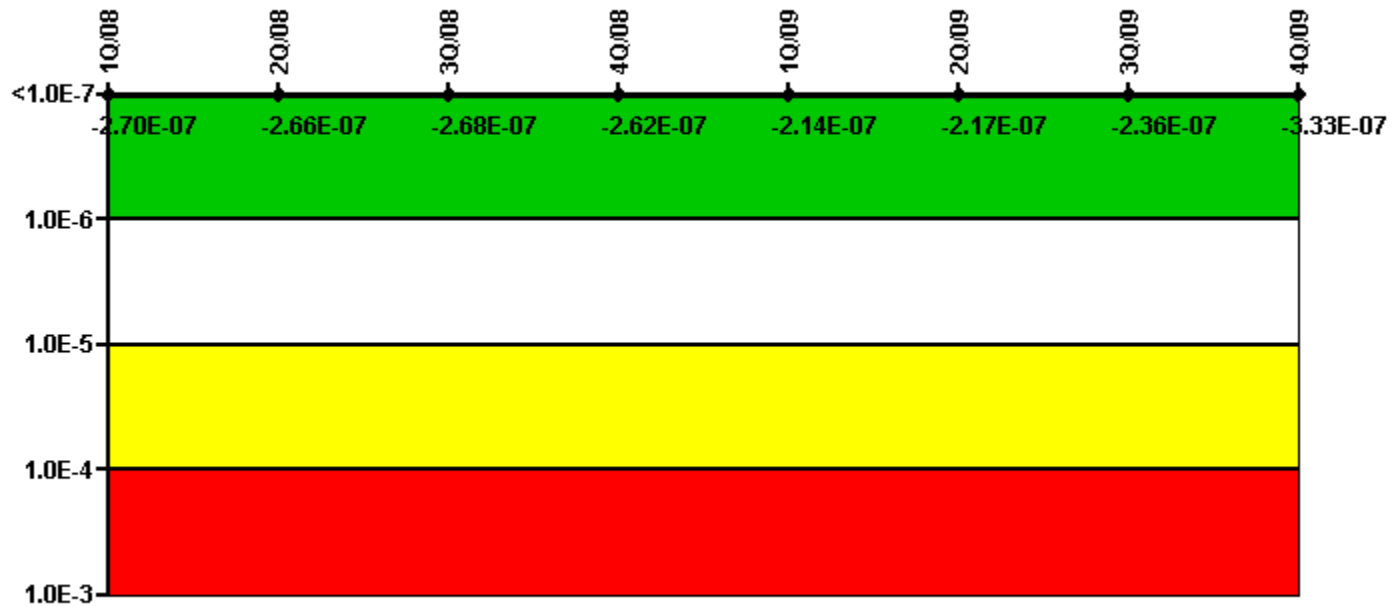
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-1.10E-07	-1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.00E-07	1.00E-07	1.00E-07
URI (ΔCDF)	-3.20E-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	-4.30E-07	-4.30E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



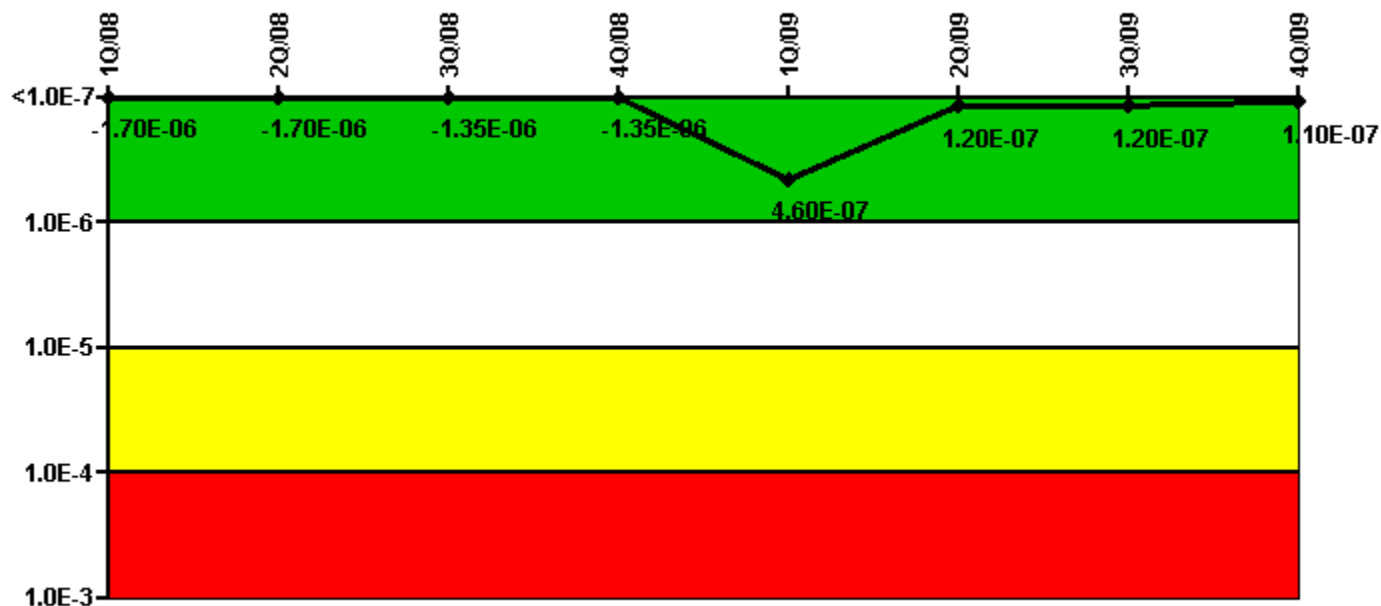
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	9.90E-09	1.40E-08	1.20E-08	1.80E-08	6.60E-08	6.30E-08	4.40E-08	-5.30E-08
URI (ΔCDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.70E-07	-2.66E-07	-2.68E-07	-2.62E-07	-2.14E-07	-2.17E-07	-2.36E-07	-3.33E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



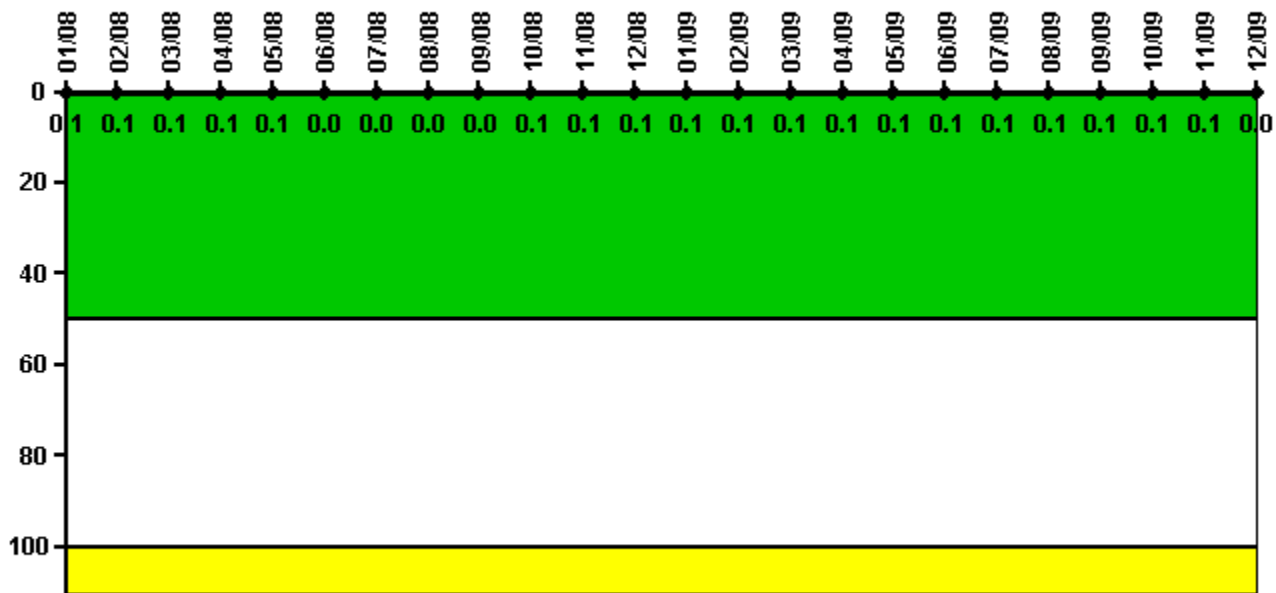
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-5.00E-07	-5.00E-07	-2.50E-07	-2.50E-07	2.50E-07	2.30E-07	2.30E-07	2.20E-07
URI (ΔCDF)	-1.20E-06	-1.20E-06	-1.10E-06	-1.10E-06	2.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-06	-1.70E-06	-1.35E-06	-1.35E-06	4.60E-07	1.20E-07	1.20E-07	1.10E-07

Licensee Comments: none

Reactor Coolant System Activity



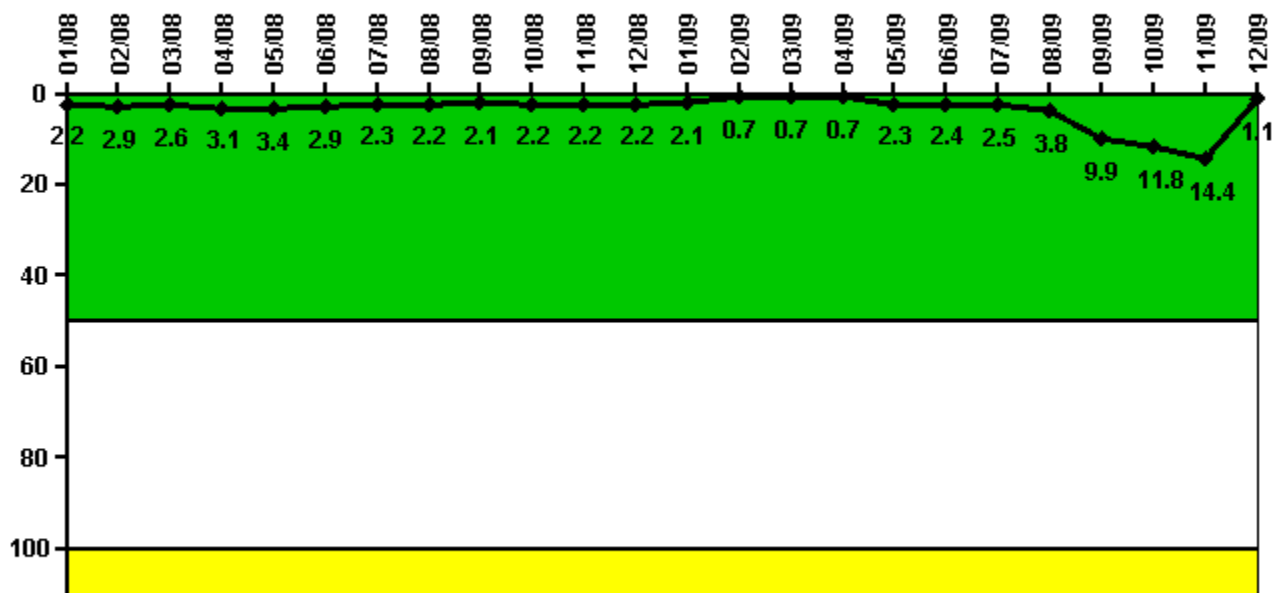
Thresholds: White > 50.0 Yellow > 100.0

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	0.000328	0.000324	0.000353	0.000332	0.000383	0.000149	0.000182	0.000195	0.000202	0.000247	0.000262	0.000272
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0.1	0.1
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	0.000278	0.000312	0.000318	0.000309	0.000323	0.000399	0.000332	0.000393	0.000364	0.000339	0.000339	0.000197
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



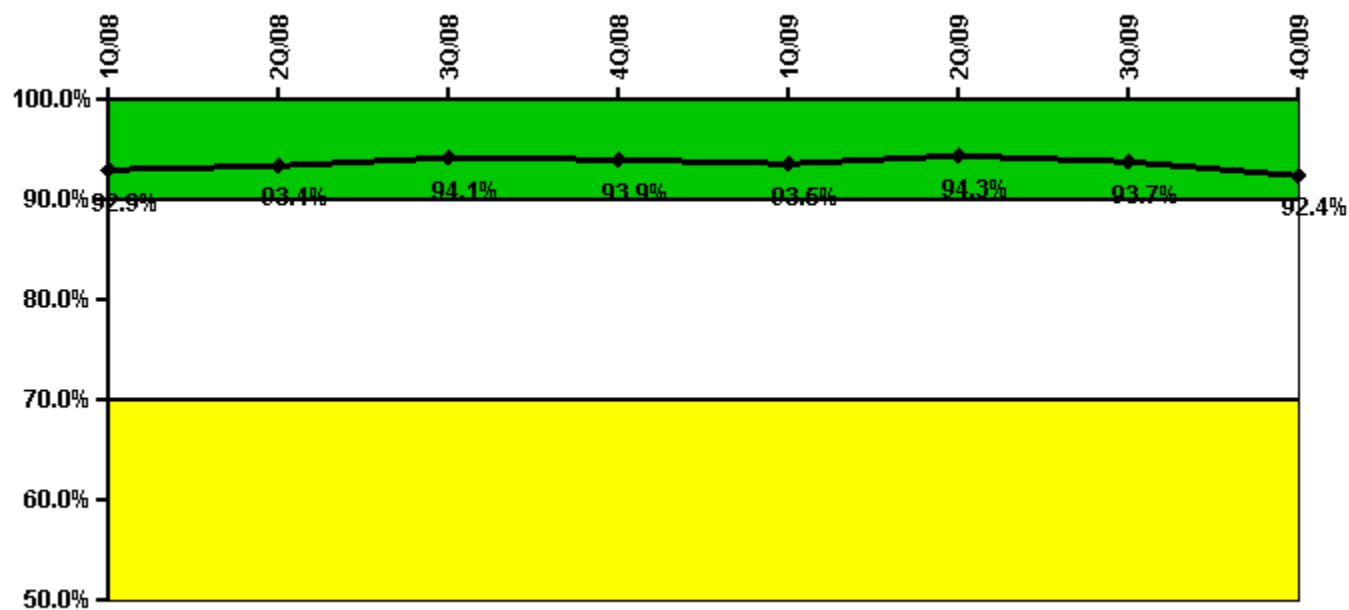
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.223	0.287	0.263	0.307	0.341	0.289	0.226	0.215	0.205	0.215	0.216	0.222
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.9	2.6	3.1	3.4	2.9	2.3	2.2	2.1	2.2	2.2	2.2
Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.214	0.065	0.067	0.074	0.225	0.241	0.250	0.377	0.985	1.183	1.436	0.112
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.1	0.7	0.7	0.7	2.3	2.4	2.5	3.8	9.9	11.8	14.4	1.1

Licensee Comments: none

Drill/Exercise Performance



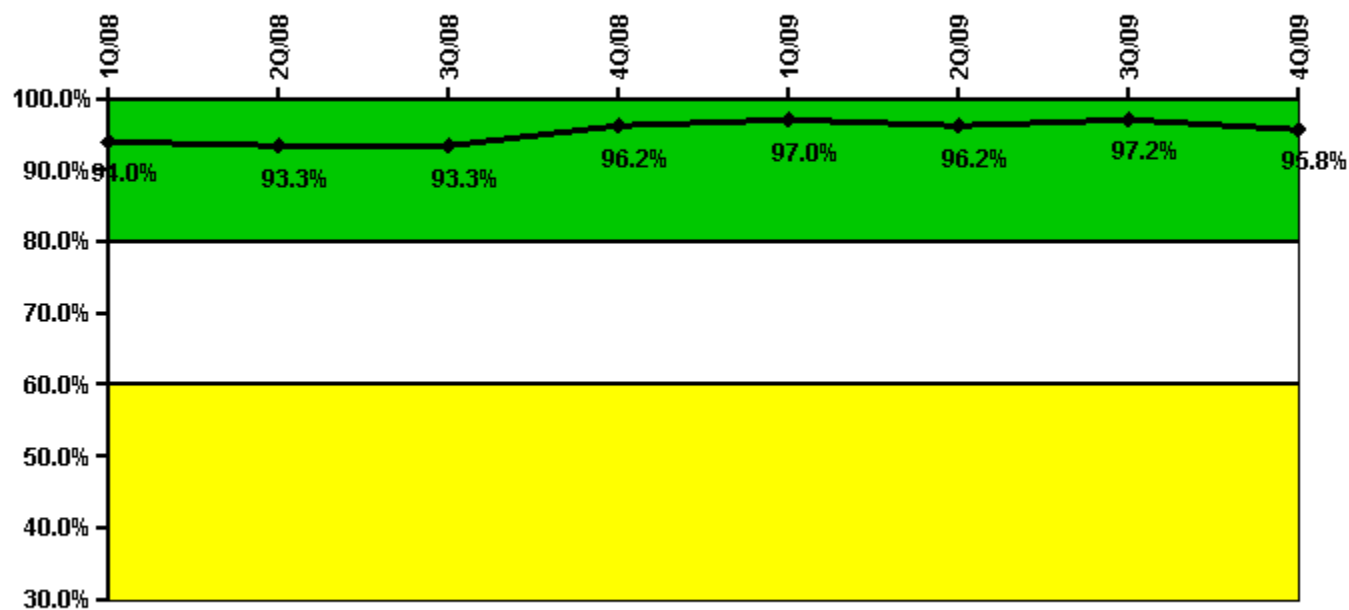
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	54.0	36.0	65.0	16.0	3.0	19.0	34.0	15.0
Total opportunities	60.0	38.0	71.0	17.0	3.0	20.0	35.0	18.0
Indicator value	92.9%	93.4%	94.1%	93.9%	93.5%	94.3%	93.7%	92.4%

Licensee Comments: none

ERO Drill Participation



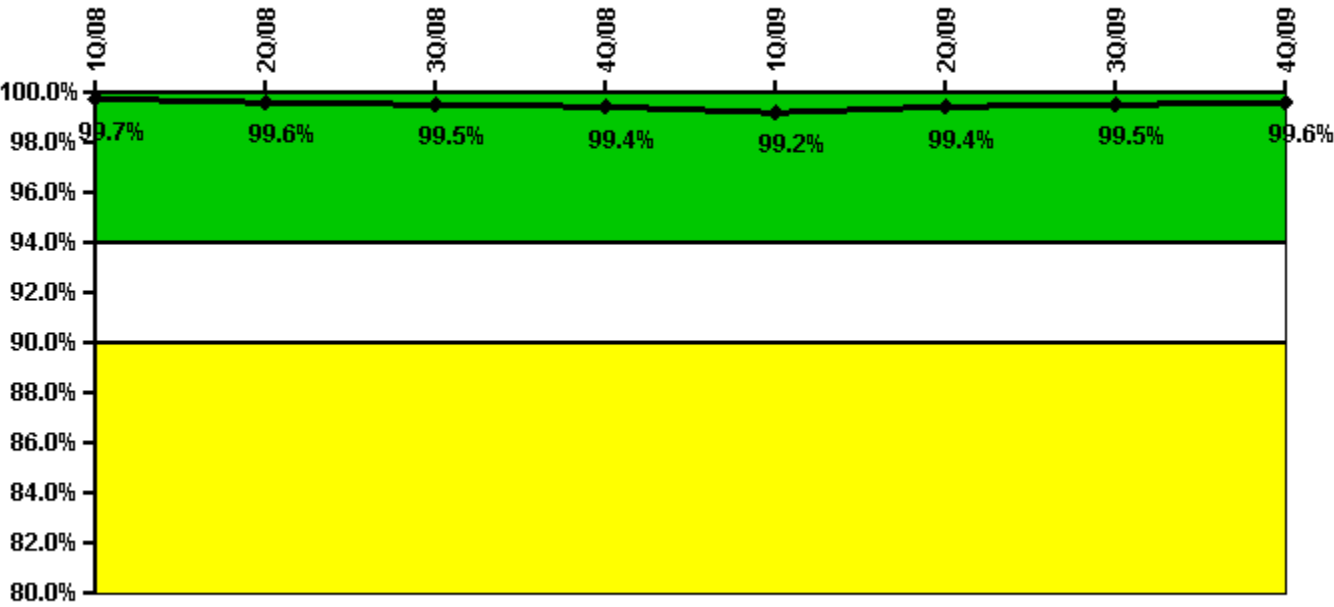
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	125.0	125.0	126.0	128.0	128.0	128.0	139.0	136.0
Total Key personnel	133.0	134.0	135.0	133.0	132.0	133.0	143.0	142.0
Indicator value	94.0%	93.3%	93.3%	96.2%	97.0%	96.2%	97.2%	95.8%

Licensee Comments: none

Alert & Notification System



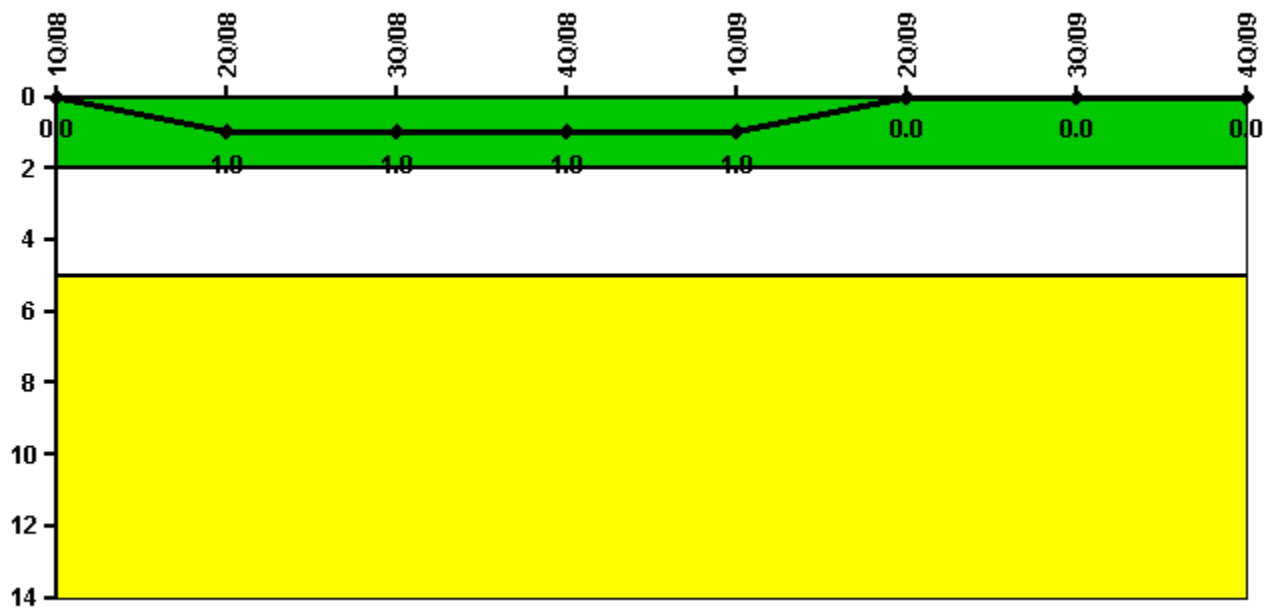
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	2400	2390	2372	2391	2386	2401	2386	2485
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2492
Indicator value	99.7%	99.6%	99.5%	99.4%	99.2%	99.4%	99.5%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



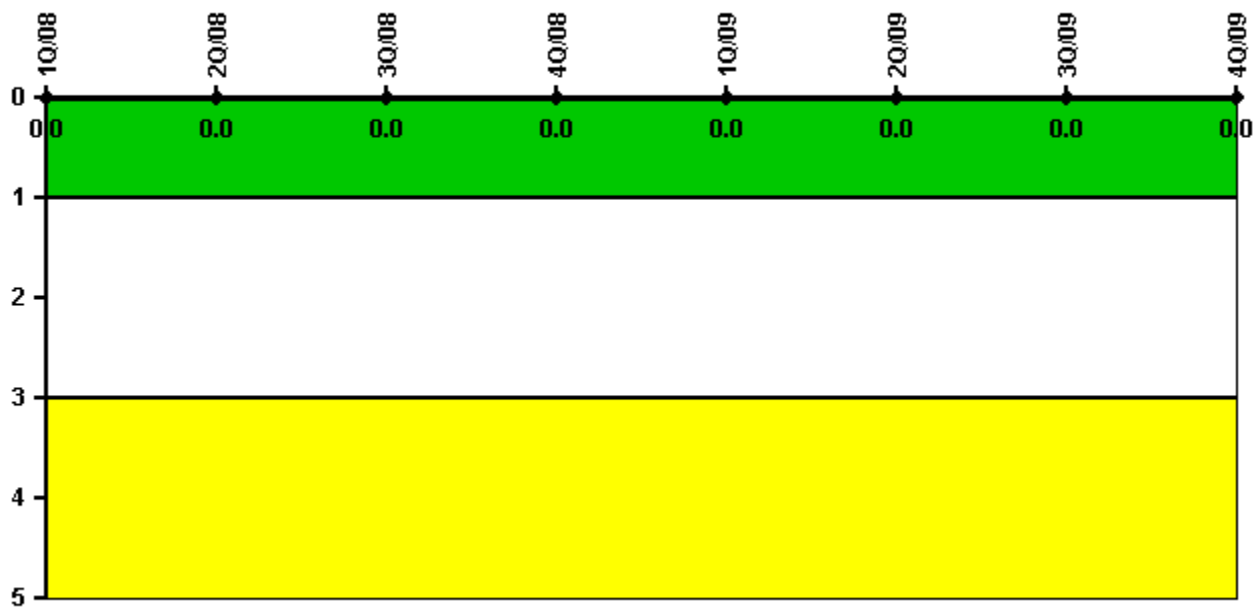
Thresholds: White > 2.0 Yellow > 5.0

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	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

[illegible]

Licensee Comments: none

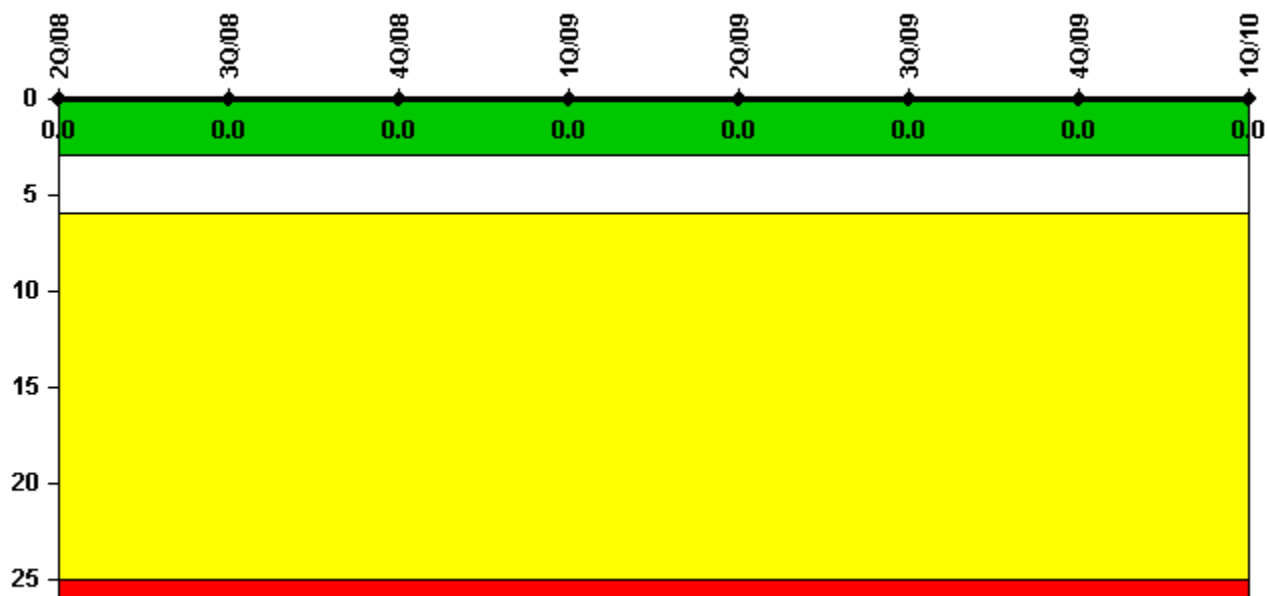
Security information not publicly available.

Catawba 1

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



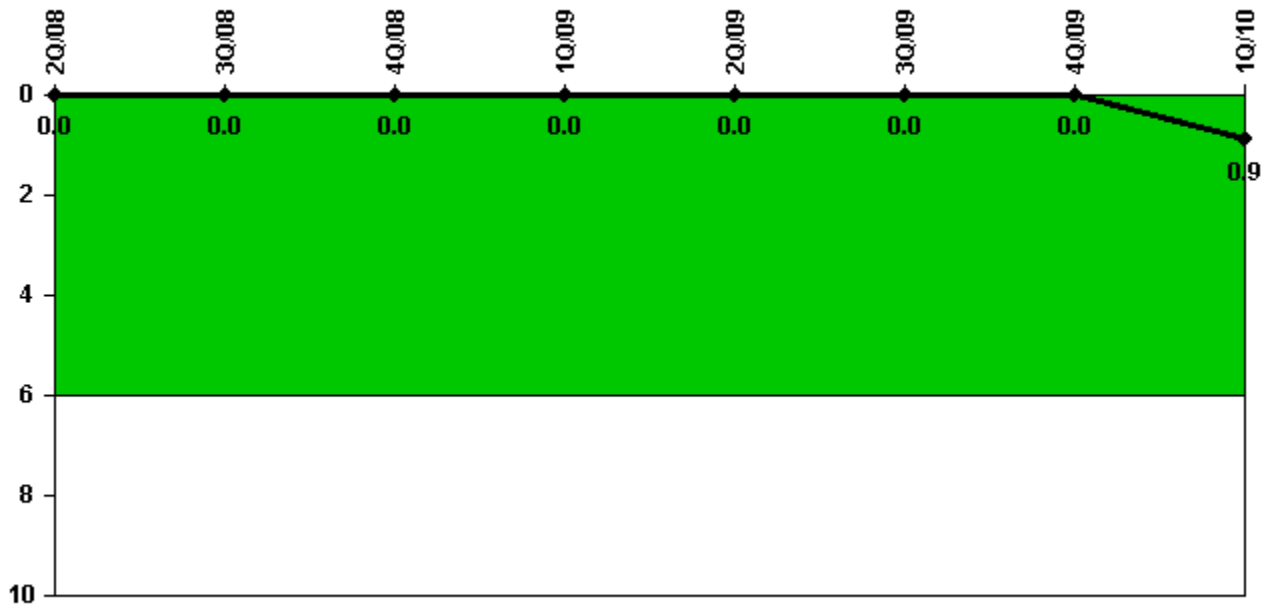
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1044.0	2208.0	2209.0	2159.0	2184.0	2208.0	1307.5	2034.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



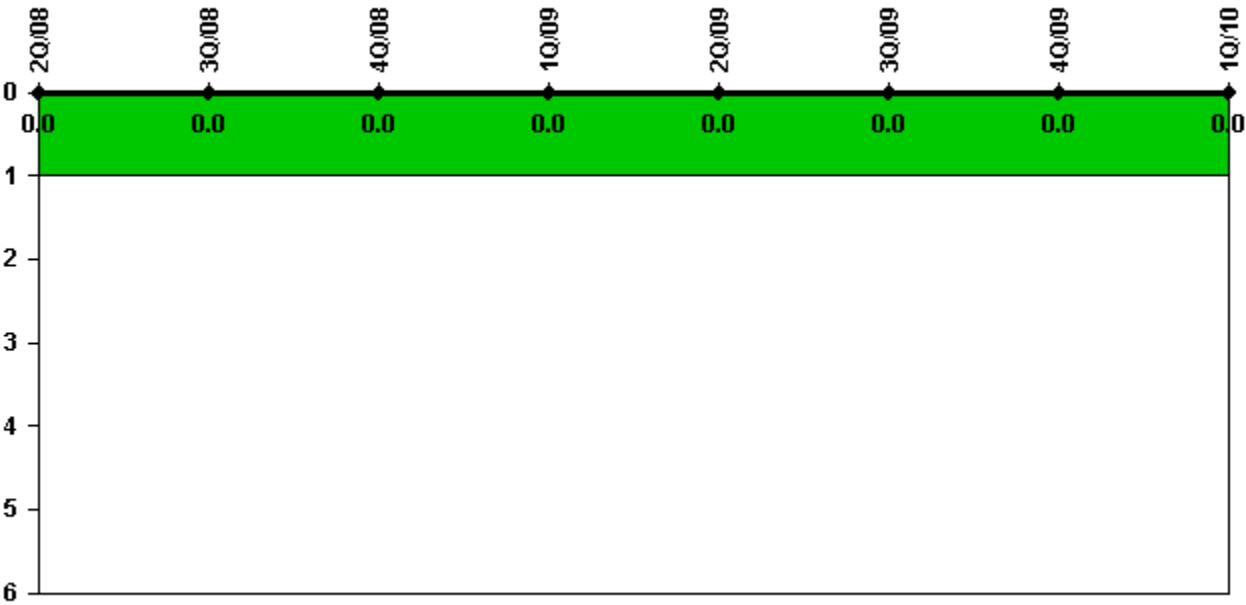
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	1044.0	2208.0	2209.0	2159.0	2184.0	2208.0	1307.5	2034.5
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

Unplanned Scrams with Complications



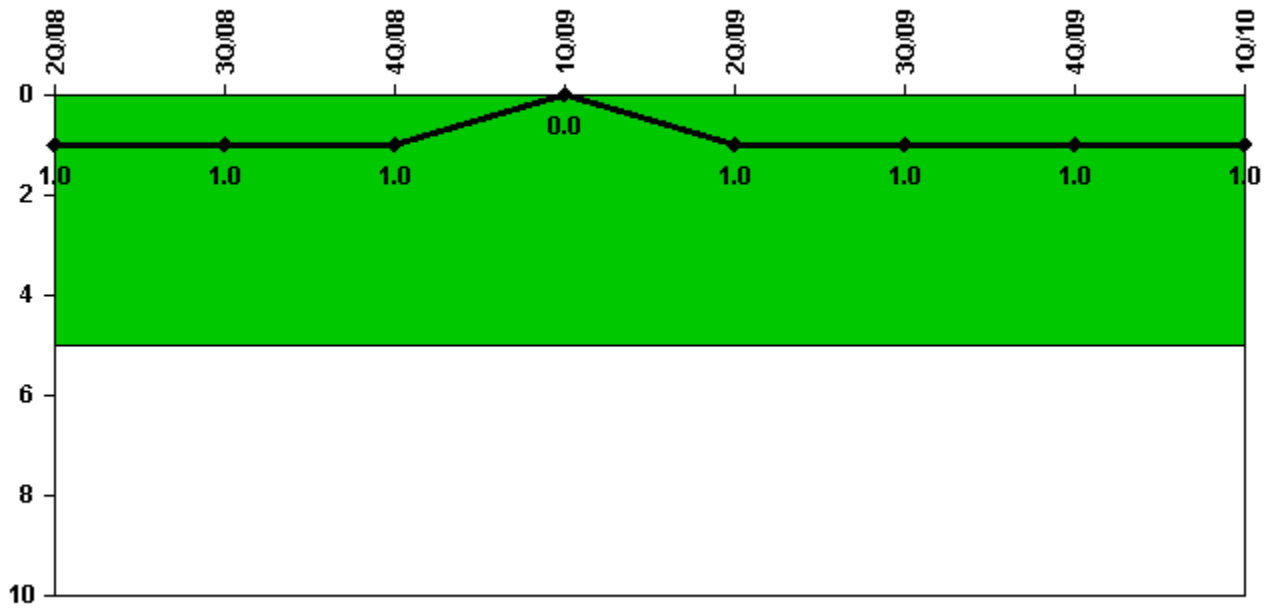
Thresholds: White > 1.0

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



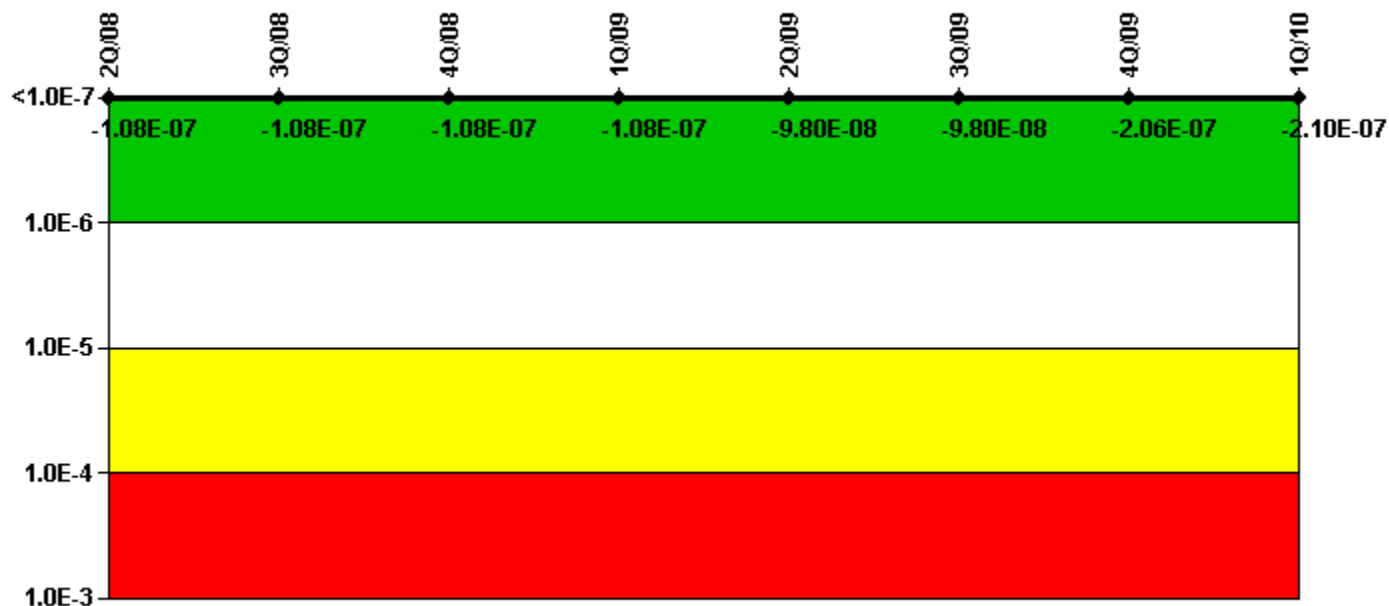
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	1	1	1	0	1	1	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



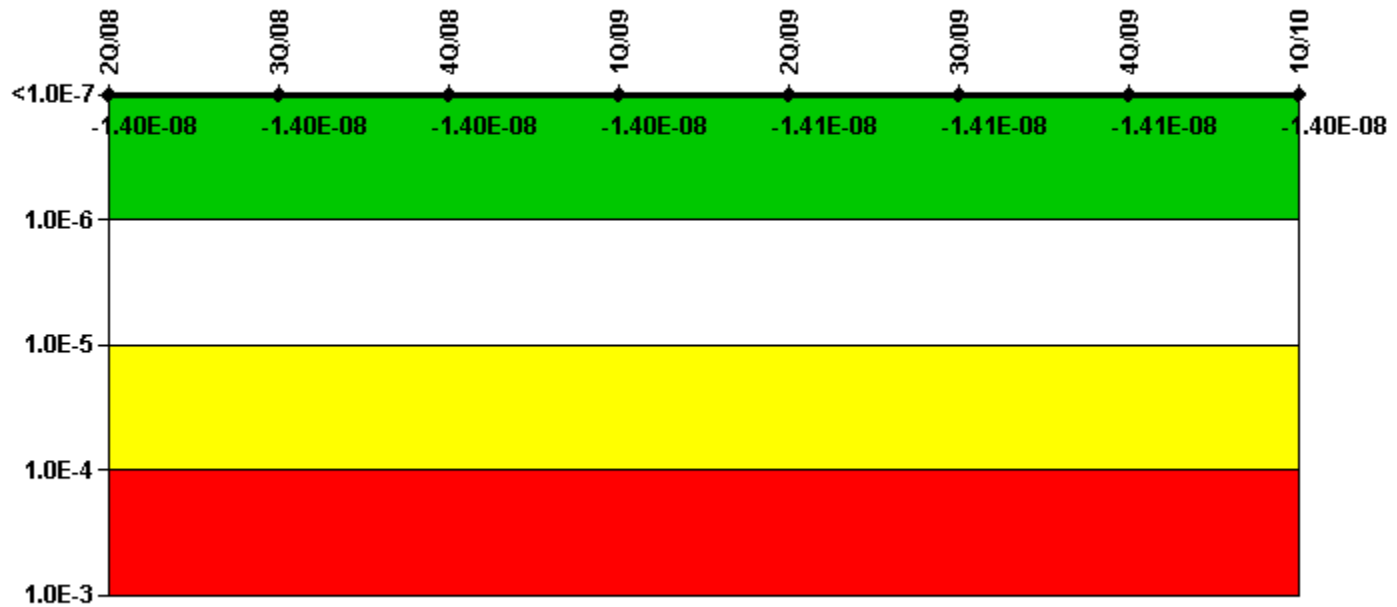
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08	-1.54E-08
URI (Δ CDF)	-9.30E-08	-9.30E-08	-9.30E-08	-9.30E-08	-8.30E-08	-8.30E-08	-1.90E-07	-1.91E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-9.80E-08	-9.80E-08	-2.06E-07	-2.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



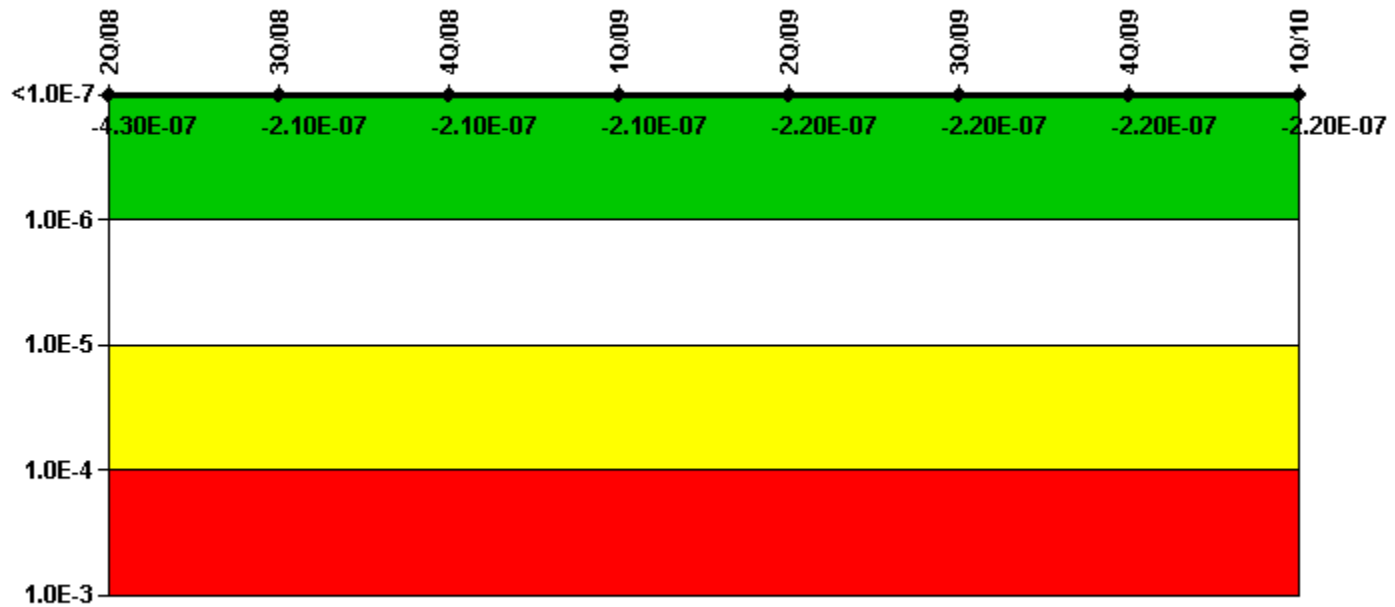
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-3.00E-09	-3.00E-09	-3.00E-09	-3.00E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.11E-09
URI (ΔCDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.41E-08	-1.41E-08	-1.41E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



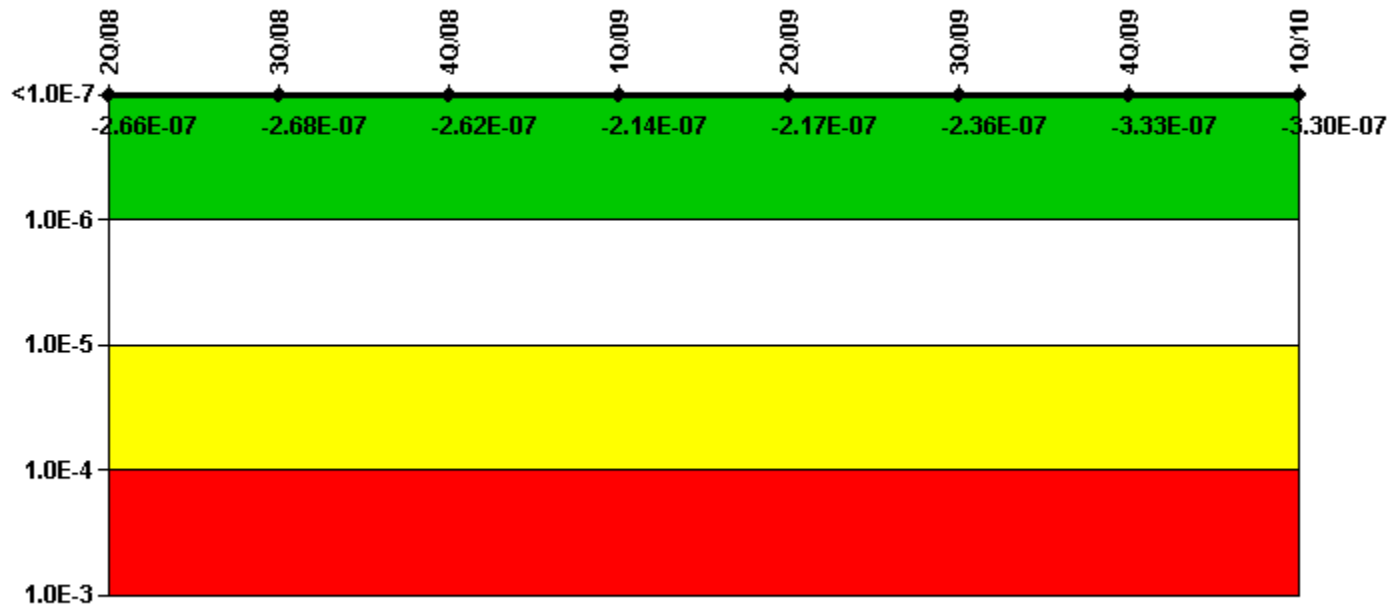
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.00E-07	1.00E-07	1.00E-07	9.46E-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	-3.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.30E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



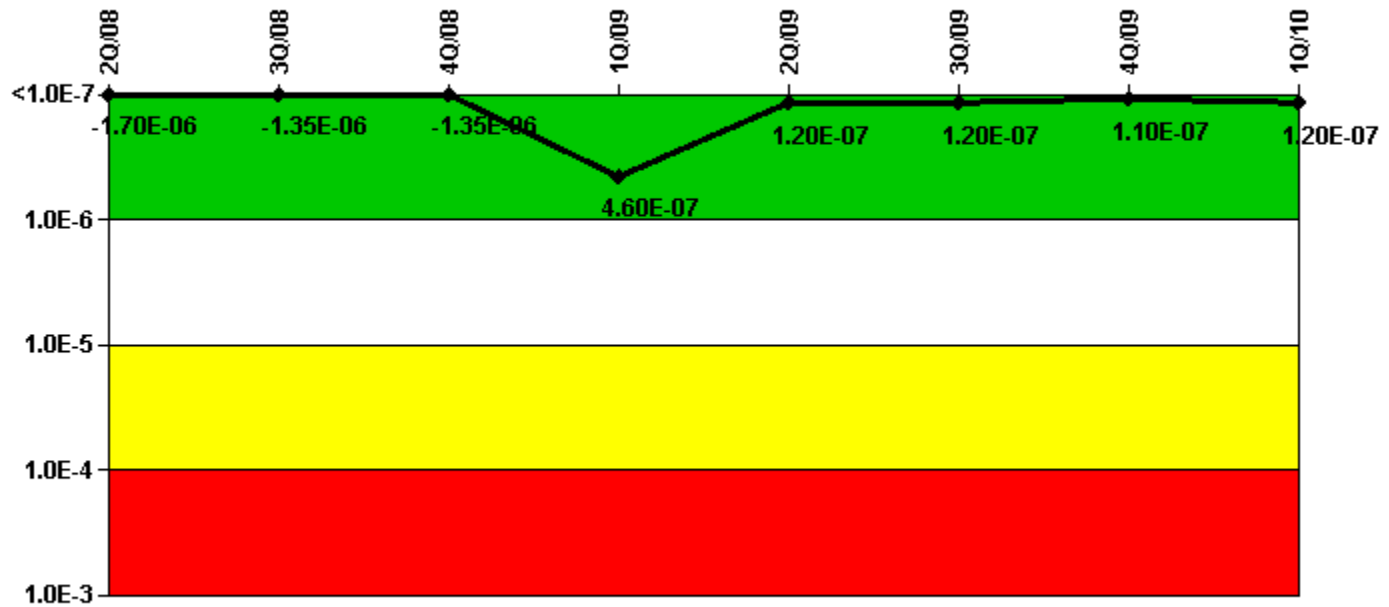
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.40E-08	1.20E-08	1.80E-08	6.60E-08	6.30E-08	4.40E-08	-5.30E-08	-5.29E-08
URI (Δ CDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.66E-07	-2.68E-07	-2.62E-07	-2.14E-07	-2.17E-07	-2.36E-07	-3.33E-07	-3.30E-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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	-5.00E-07	-2.50E-07	-2.50E-07	2.50E-07	2.30E-07	2.30E-07	2.20E-07	2.28E-07
URI (ΔCDF)	-1.20E-06	-1.10E-06	-1.10E-06	2.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-06	-1.35E-06	-1.35E-06	4.60E-07	1.20E-07	1.20E-07	1.10E-07	1.20E-07

Licensee Comments:

4Q/09: Changed PRA Parameter(s).

3Q/09: Changed PRA Parameter(s).

2Q/09: Changed PRA Parameter(s).

1Q/09: Changed PRA Parameter(s).

4Q/08: Changed PRA Parameter(s).

3Q/08: Changed PRA Parameter(s).

2Q/08: Changed PRA Parameter(s).

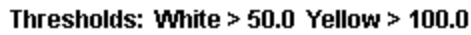
1Q/08: Changed PRA Parameter(s).

4Q/07: Changed PRA Parameter(s).

3Q/07: Changed PRA Parameter(s).

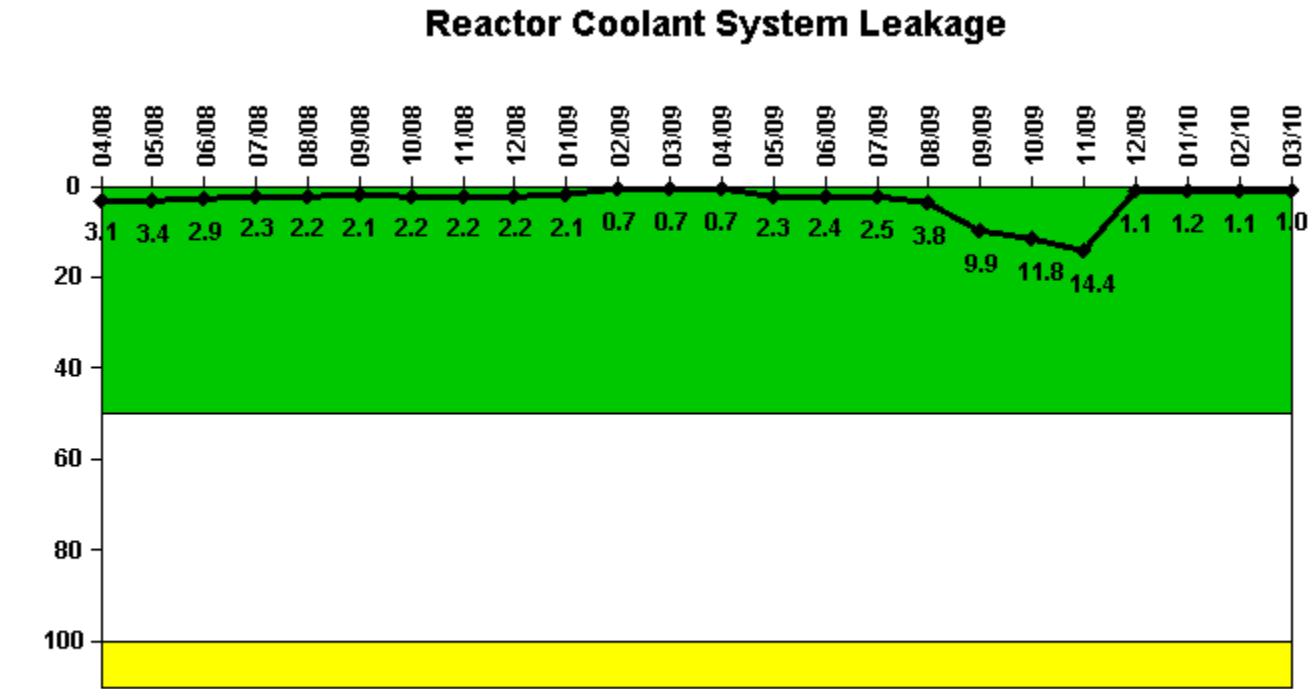
2Q/07: Changed PRA Parameter(s).

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

[illegible]

Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1

Licensee Comments: none



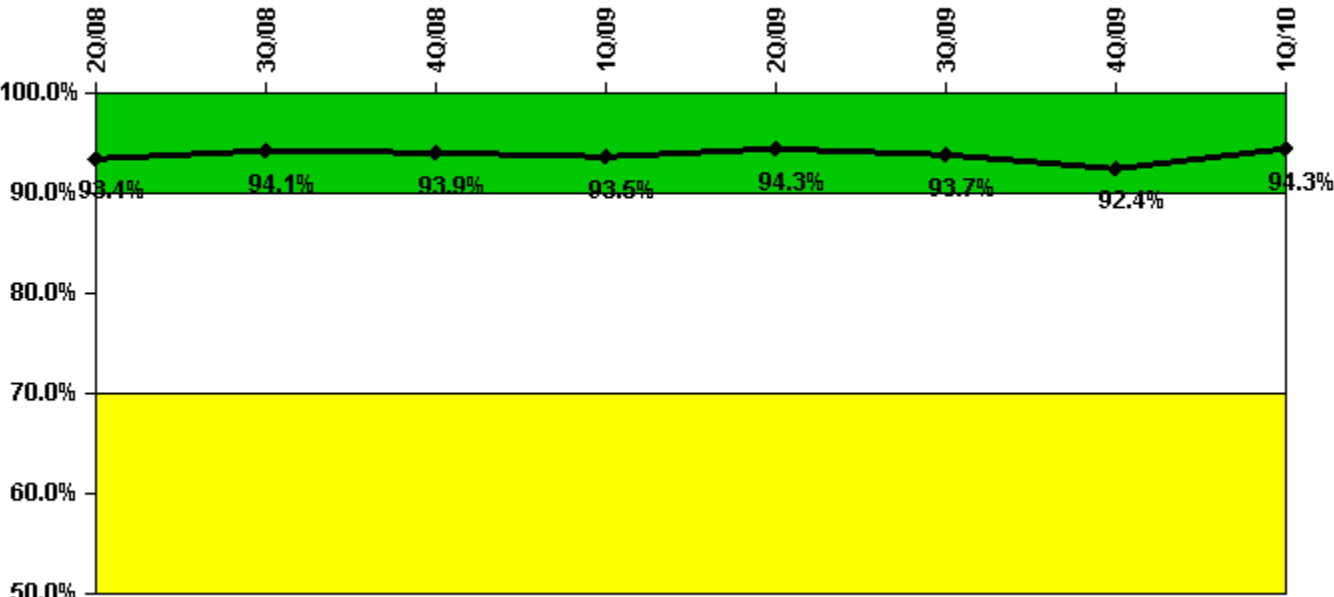
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.307	0.341	0.289	0.226	0.215	0.205	0.215	0.216	0.222	0.214	0.065	0.067
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	3.4	2.9	2.3	2.2	2.1	2.2	2.2	2.2	2.1	0.7	0.7
Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.074	0.225	0.241	0.250	0.377	0.985	1.183	1.436	0.112	0.122	0.110	0.102
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	2.3	2.4	2.5	3.8	9.9	11.8	14.4	1.1	1.2	1.1	1.0

Licensee Comments: none

Drill/Exercise Performance



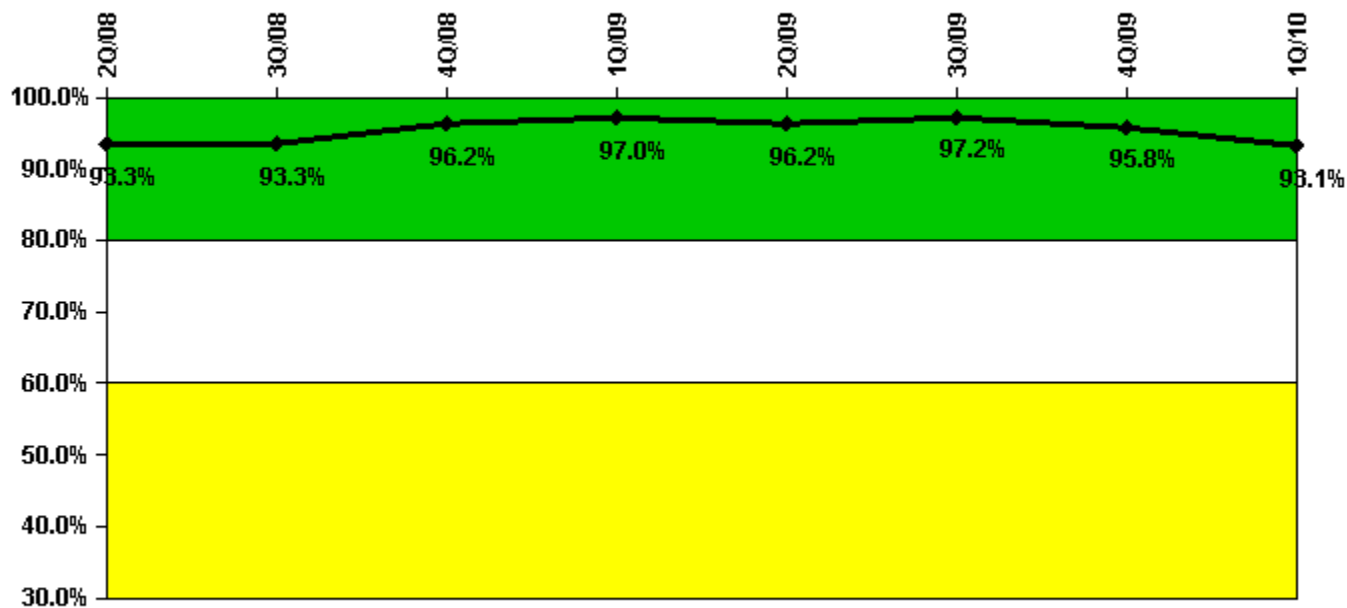
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	36.0	65.0	16.0	3.0	19.0	34.0	15.0	44.0
Total opportunities	38.0	71.0	17.0	3.0	20.0	35.0	18.0	44.0
Indicator value	93.4%	94.1%	93.9%	93.5%	94.3%	93.7%	92.4%	94.3%

Licensee Comments: none

ERO Drill Participation



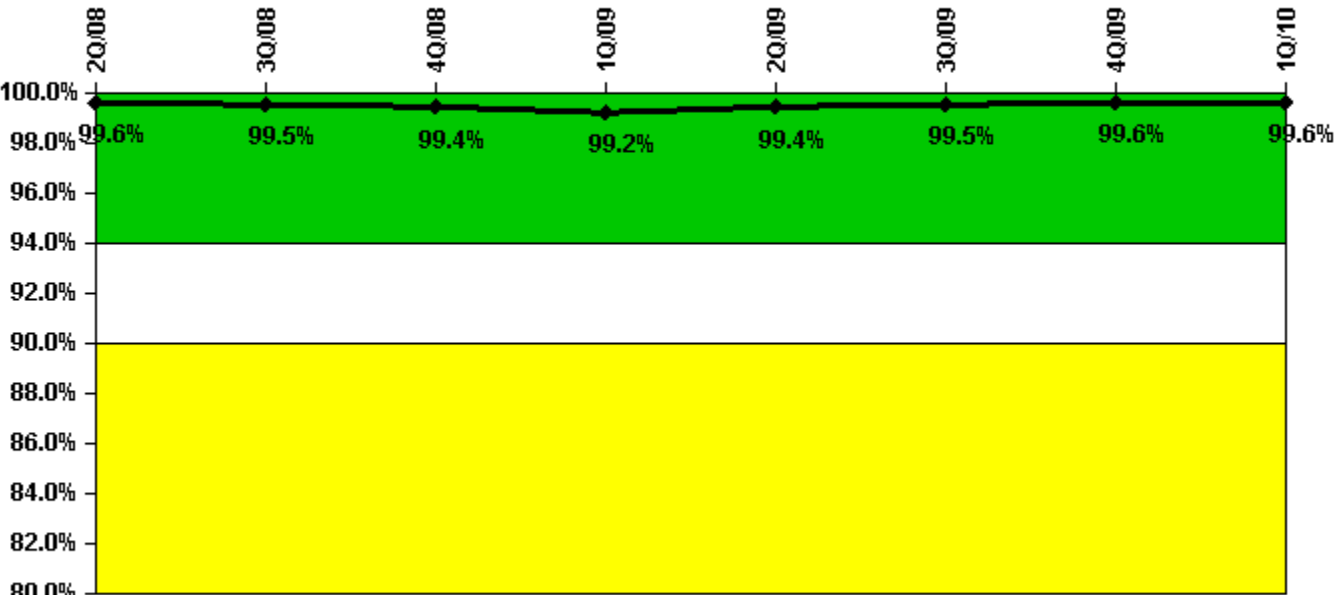
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	125.0	126.0	128.0	128.0	128.0	139.0	136.0	134.0
Total Key personnel	134.0	135.0	133.0	132.0	133.0	143.0	142.0	144.0
Indicator value	93.3%	93.3%	96.2%	97.0%	96.2%	97.2%	95.8%	93.1%

Licensee Comments: none

Alert & Notification System



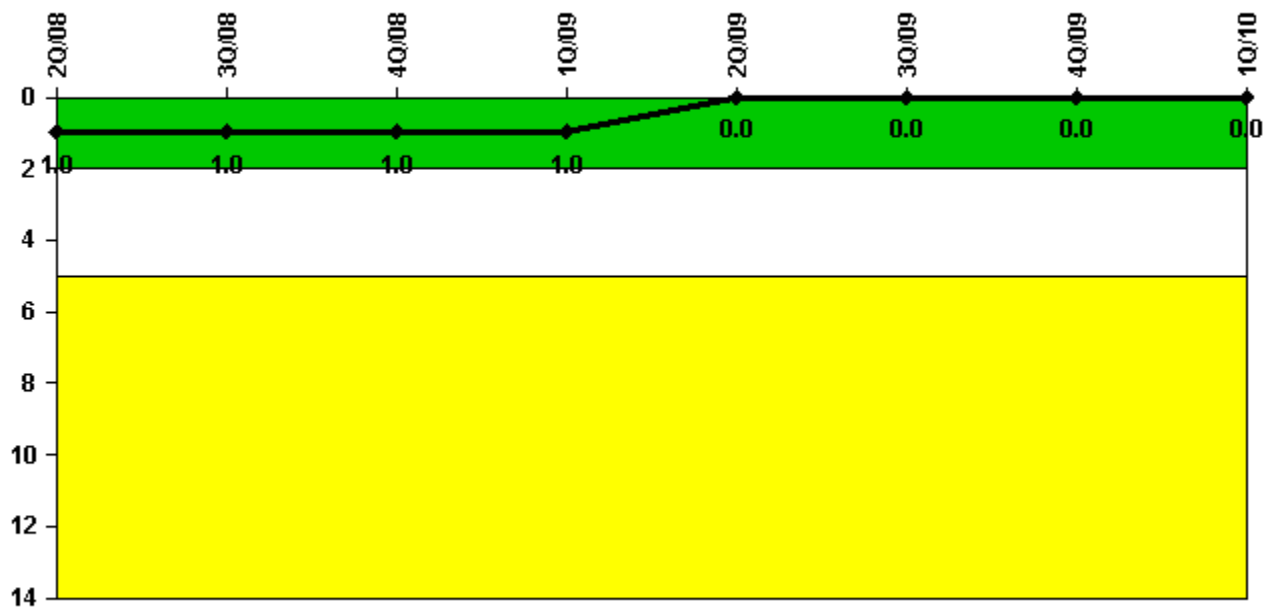
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	2390	2372	2391	2386	2401	2386	2485	2214
Total sirens-tests	2403	2403	2403	2403	2403	2403	2492	2225
Indicator value	99.6%	99.5%	99.4%	99.2%	99.4%	99.5%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



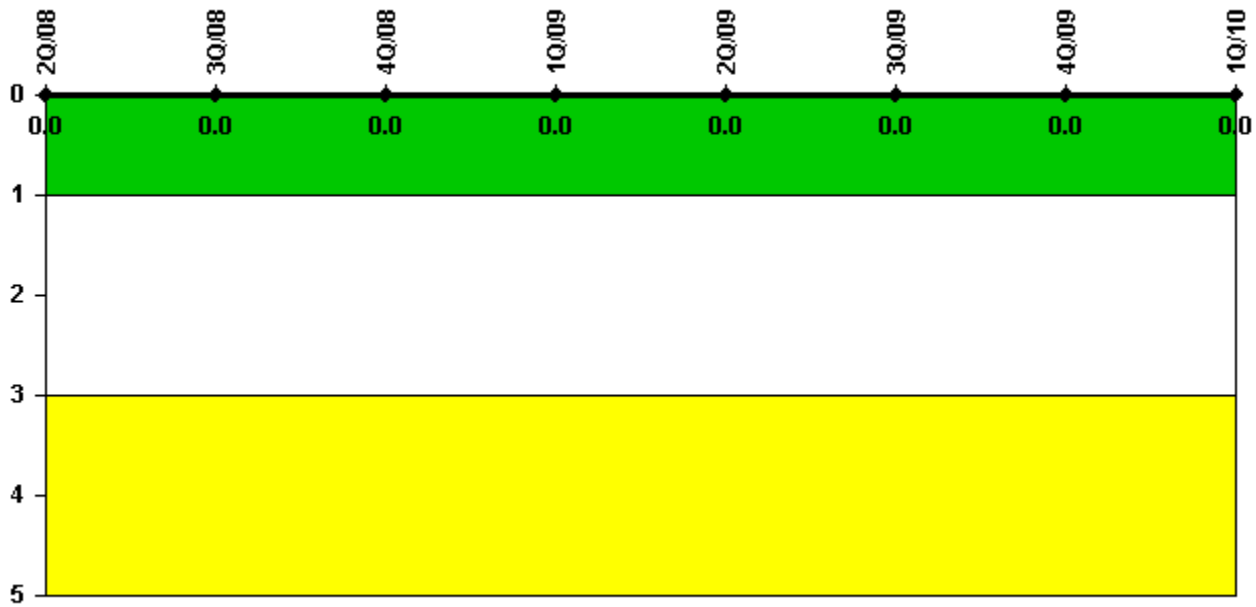
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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	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

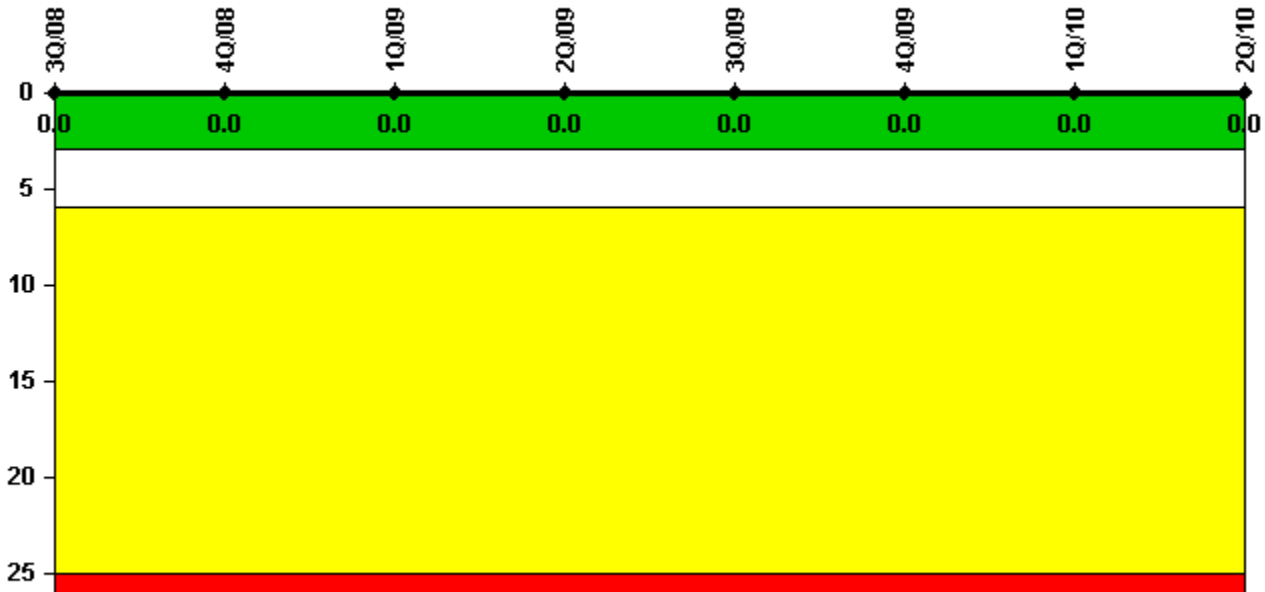
[Security](#) information not publicly available.

Catawba 1

2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



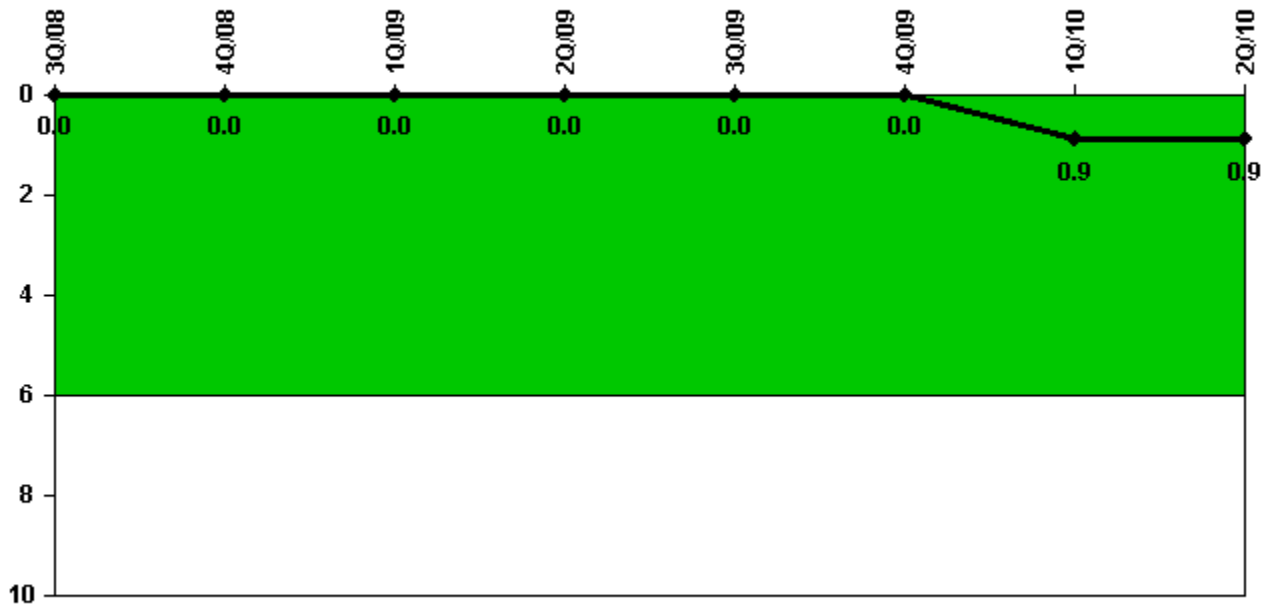
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1307.5	2034.5	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



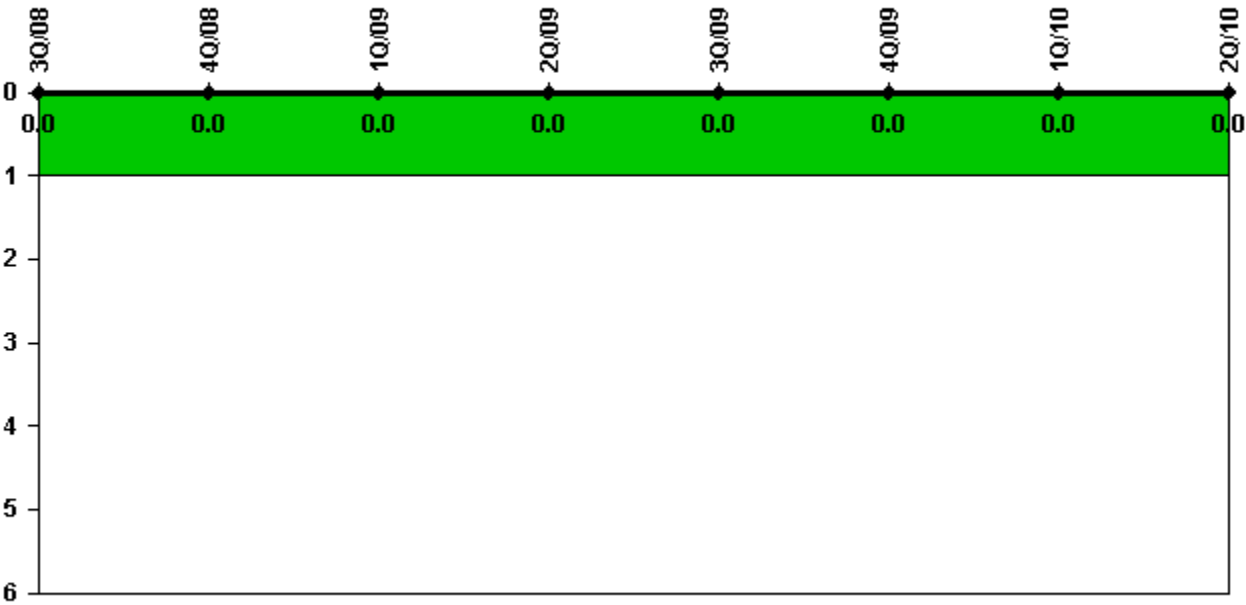
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1307.5	2034.5	2184.0
Indicator value	0	0	0	0	0	0	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



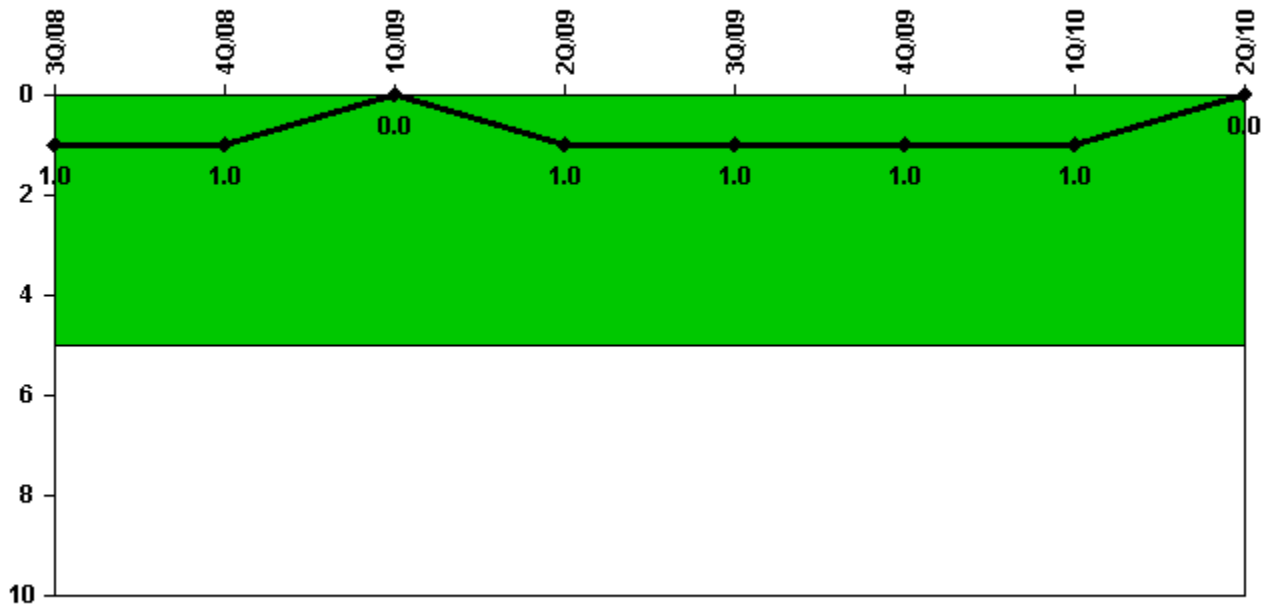
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



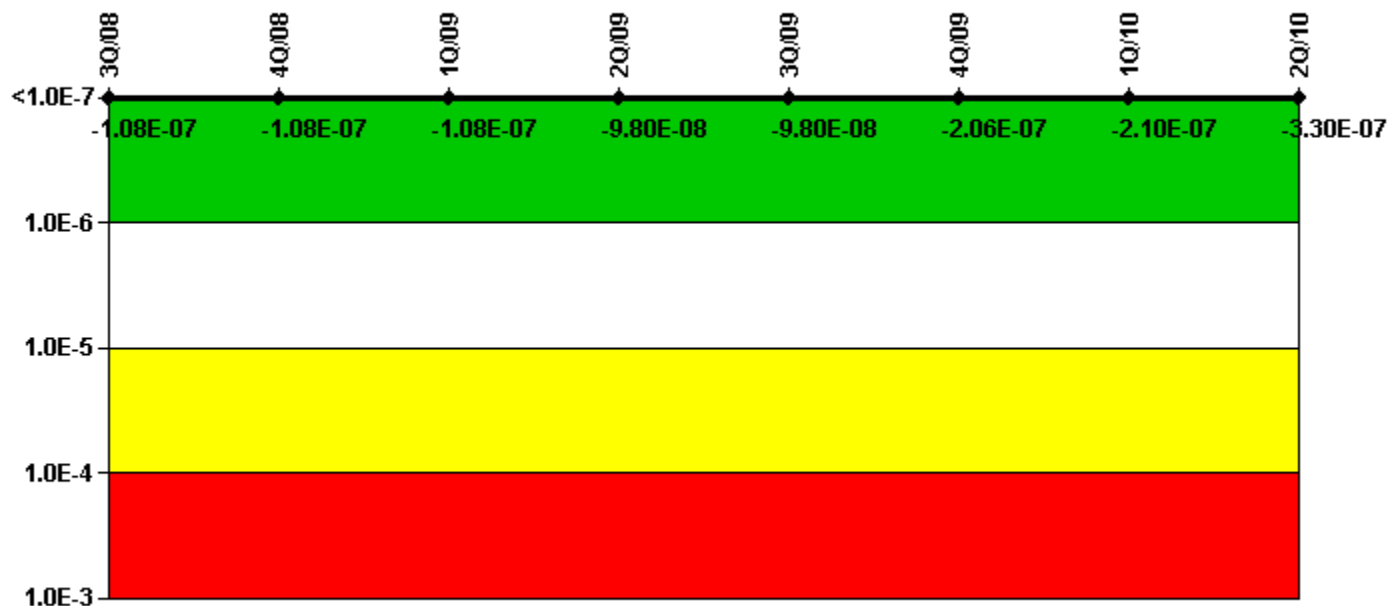
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	1	1	0	1	1	1	1	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



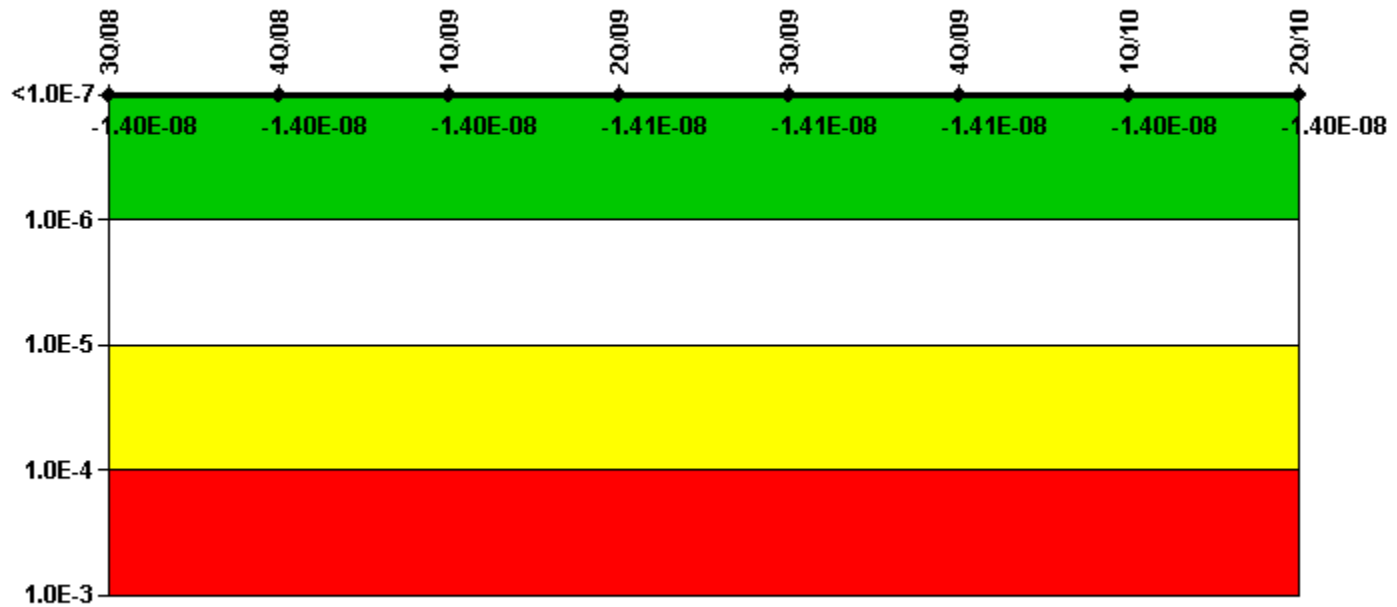
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08	-1.54E-08	-3.07E-08
URI (Δ CDF)	-9.30E-08	-9.30E-08	-9.30E-08	-8.30E-08	-8.30E-08	-1.90E-07	-1.91E-07	-3.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.08E-07	-1.08E-07	-1.08E-07	-9.80E-08	-9.80E-08	-2.06E-07	-2.10E-07	-3.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	-3.00E-09	-3.00E-09	-3.00E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.11E-09	-3.11E-09
URI (ΔCDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.40E-08	-1.40E-08	-1.41E-08	-1.41E-08	-1.41E-08	-1.40E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



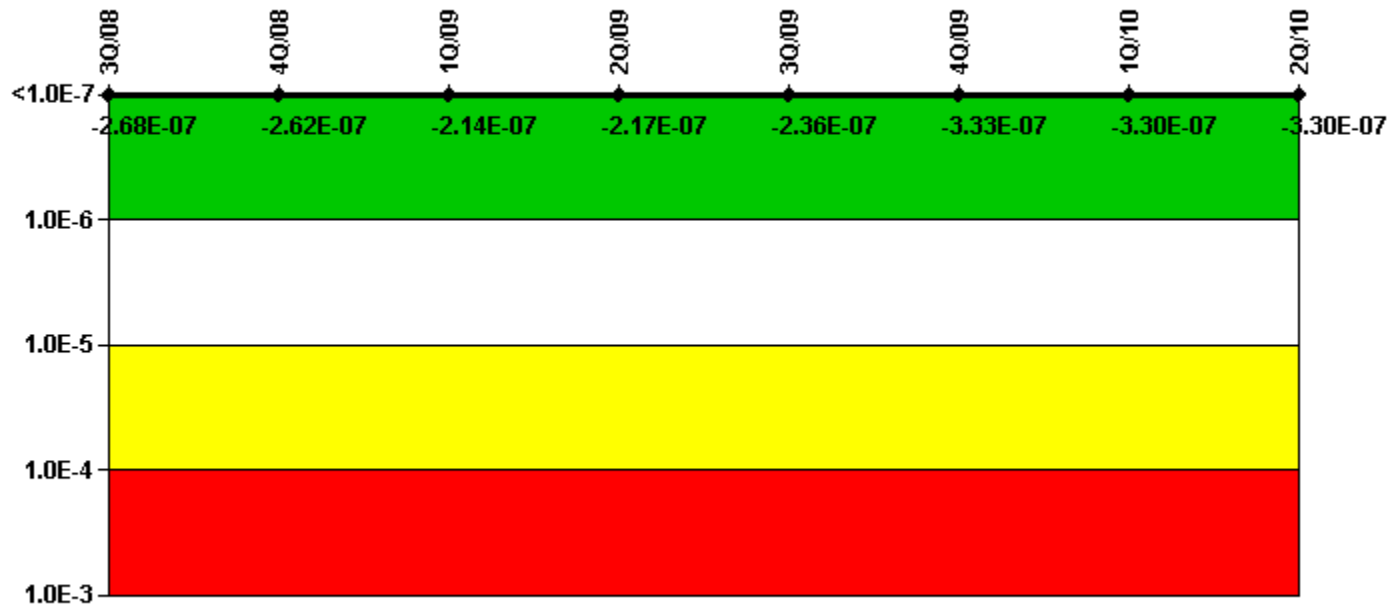
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	1.10E-07	1.10E-07	1.10E-07	1.00E-07	1.00E-07	1.00E-07	9.46E-08	9.46E-08
URI (ΔCDF)	-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.17E-07	-3.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-07	-2.10E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



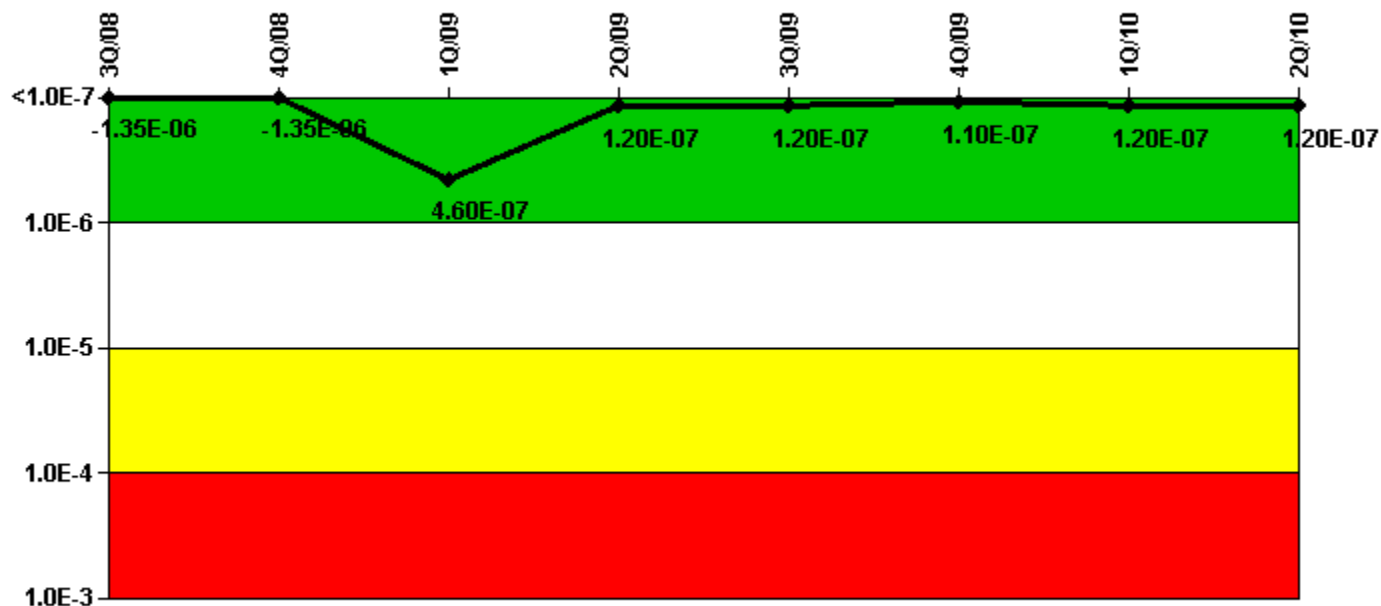
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.20E-08	1.80E-08	6.60E-08	6.30E-08	4.40E-08	-5.30E-08	-5.29E-08	-5.29E-08
URI (Δ CDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.68E-07	-2.62E-07	-2.14E-07	-2.17E-07	-2.36E-07	-3.33E-07	-3.30E-07	-3.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



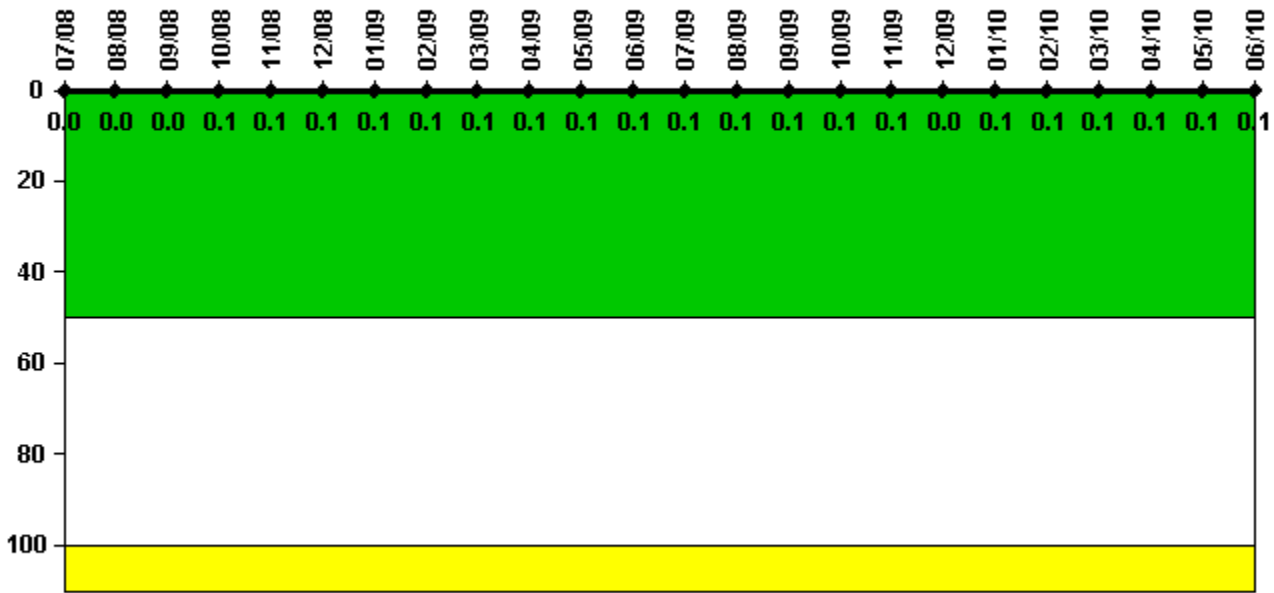
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

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)	$-2.50E-07$	$-2.50E-07$	$2.50E-07$	$2.30E-07$	$2.30E-07$	$2.20E-07$	$2.28E-07$	$2.28E-07$
URI (Δ CDF)	$-1.10E-06$	$-1.10E-06$	$2.10E-07$	$-1.10E-07$	$-1.10E-07$	$-1.10E-07$	$-1.11E-07$	$-1.11E-07$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-1.35E-06$	$-1.35E-06$	$4.60E-07$	$1.20E-07$	$1.20E-07$	$1.10E-07$	$1.20E-07$	$1.20E-07$

Licensee Comments: none

Reactor Coolant System Activity



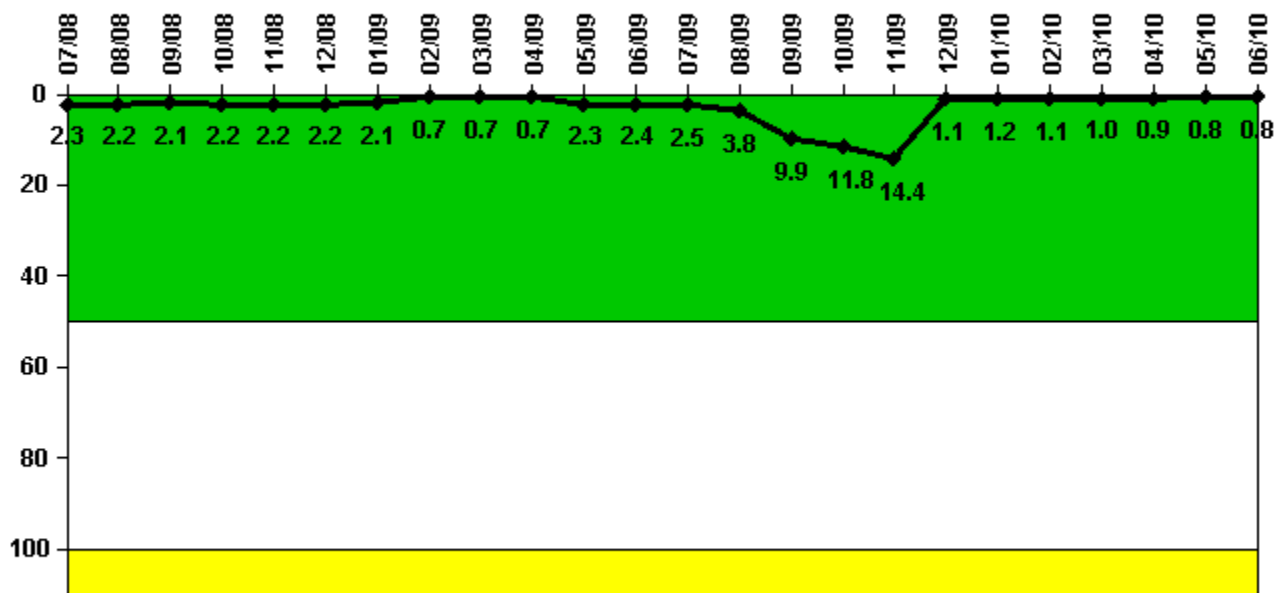
Thresholds: White > 50.0 Yellow > 100.0

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	0.000182	0.000195	0.000202	0.000247	0.000262	0.000272	0.000278	0.000312	0.000318	0.000309	0.000323	0.000399
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000332	0.000393	0.000364	0.000339	0.000339	0.000197	0.000244	0.000239	0.000230	0.000265	0.000320	0.000315
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



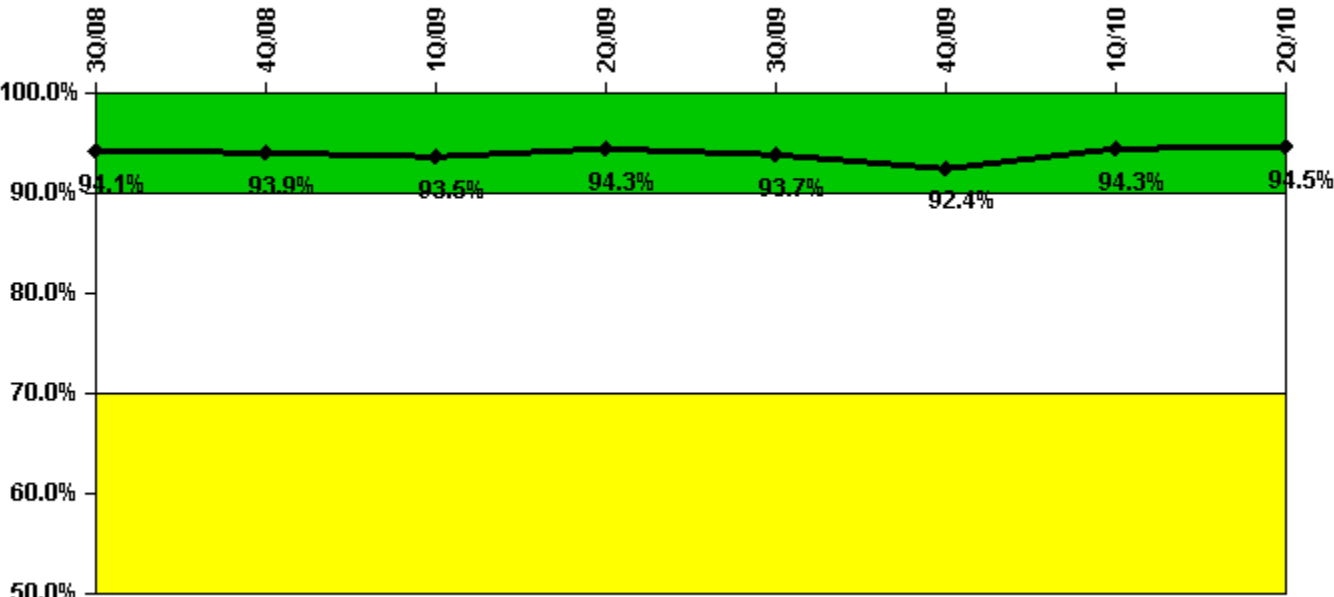
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.226	0.215	0.205	0.215	0.216	0.222	0.214	0.065	0.067	0.074	0.225	0.241
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	2.2	2.1	2.2	2.2	2.2	2.1	0.7	0.7	0.7	2.3	2.4
Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.250	0.377	0.985	1.183	1.436	0.112	0.122	0.110	0.102	0.086	0.084	0.078
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.5	3.8	9.9	11.8	14.4	1.1	1.2	1.1	1.0	0.9	0.8	0.8

Licensee Comments: none

Drill/Exercise Performance



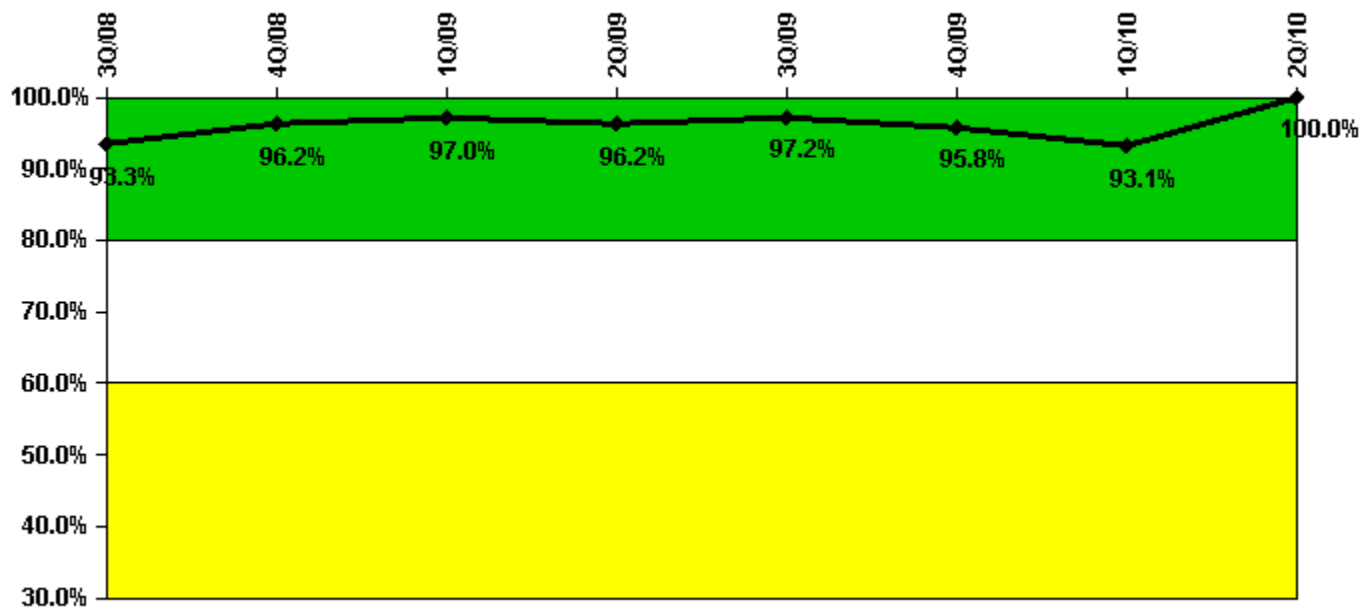
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	65.0	16.0	3.0	19.0	34.0	15.0	44.0	27.0
Total opportunities	71.0	17.0	3.0	20.0	35.0	18.0	44.0	28.0
Indicator value	94.1%	93.9%	93.5%	94.3%	93.7%	92.4%	94.3%	94.5%

Licensee Comments: none

ERO Drill Participation



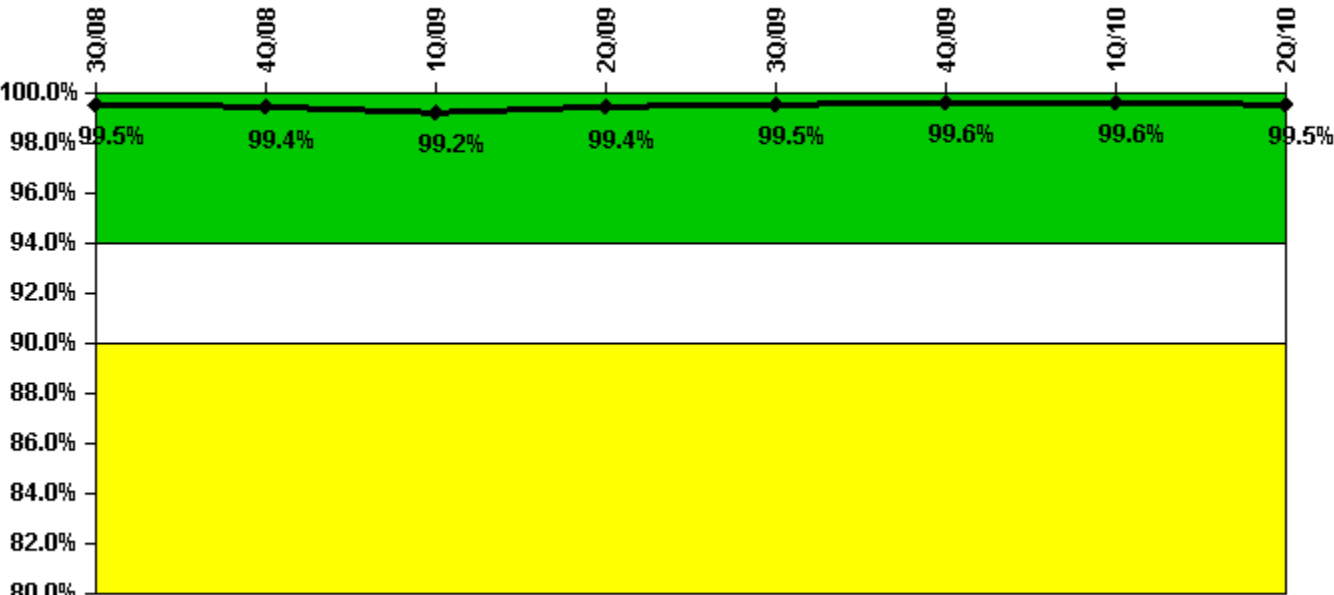
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	126.0	128.0	128.0	128.0	139.0	136.0	134.0	135.0
Total Key personnel	135.0	133.0	132.0	133.0	143.0	142.0	144.0	135.0
Indicator value	93.3%	96.2%	97.0%	96.2%	97.2%	95.8%	93.1%	100.0%

Licensee Comments: none

Alert & Notification System



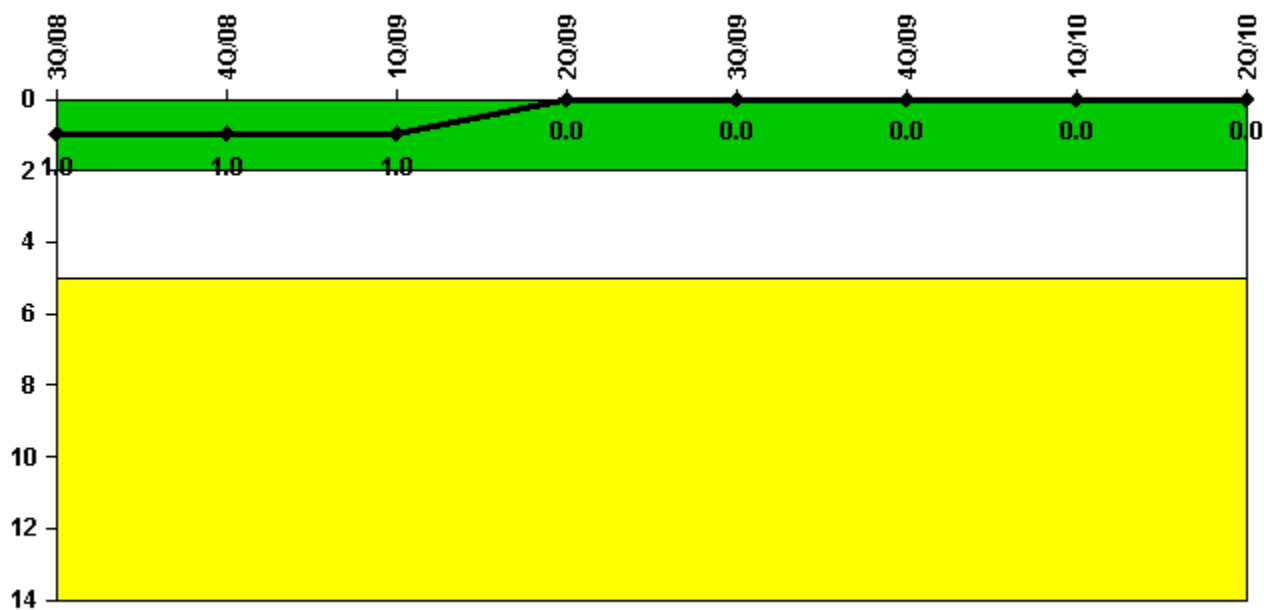
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	2372	2391	2386	2401	2386	2485	2214	2305
Total sirens-tests	2403	2403	2403	2403	2403	2492	2225	2314
Indicator value	99.5%	99.4%	99.2%	99.4%	99.5%	99.6%	99.6%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



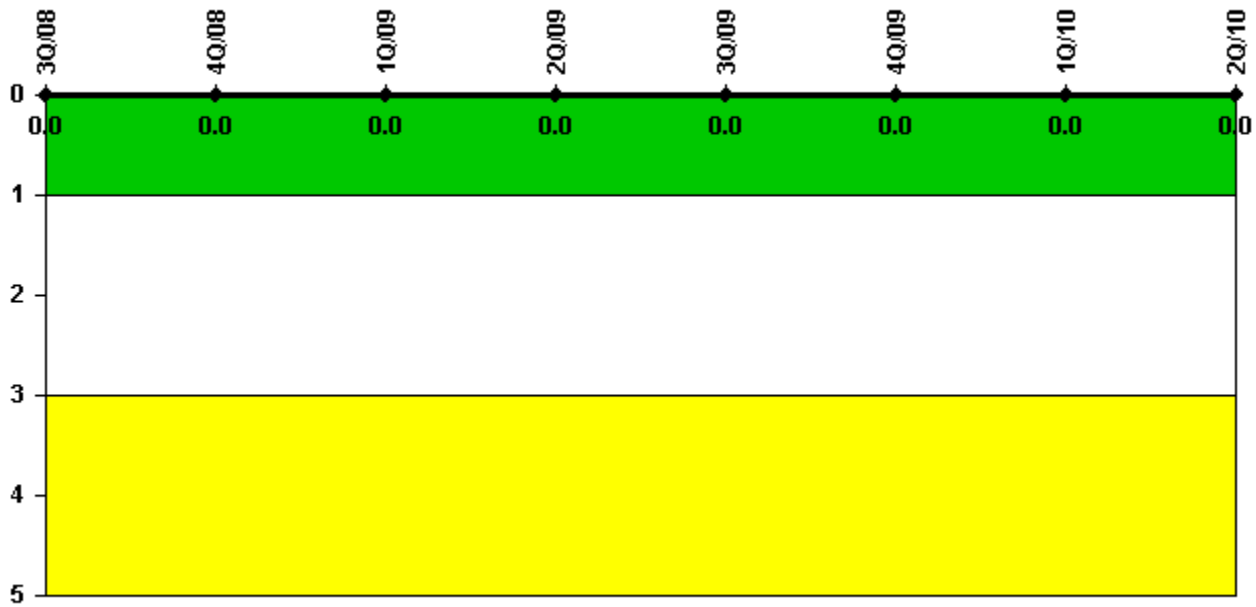
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	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	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

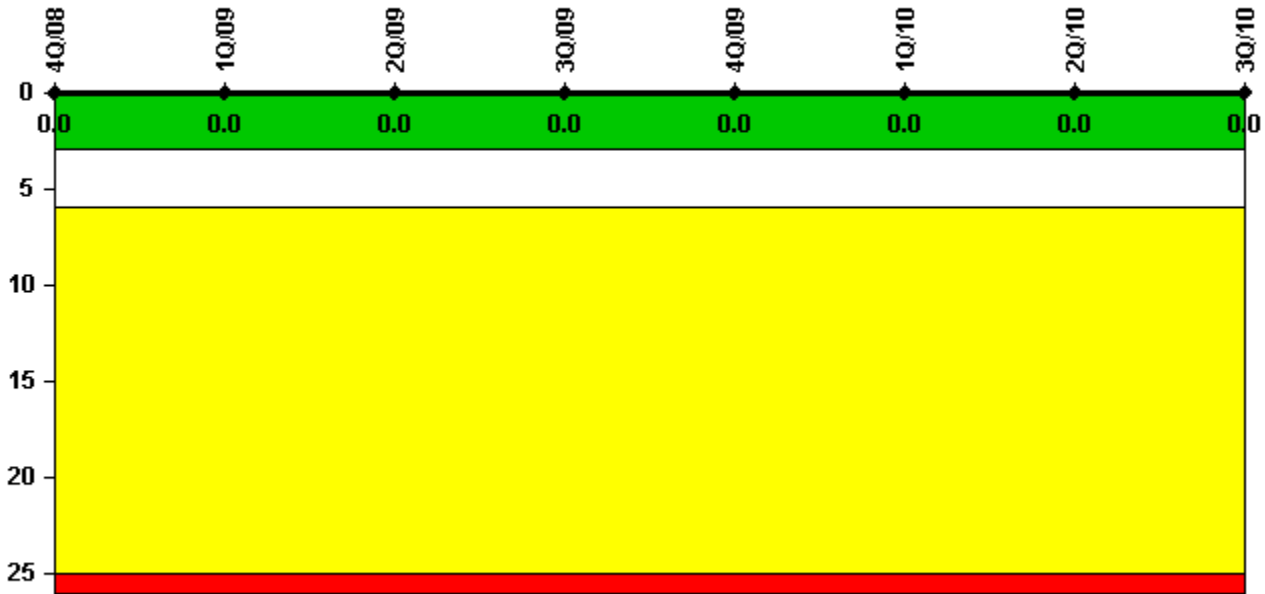
[Security](#) information not publicly available.

Catawba 1

3Q/2010 Performance Indicators

Licensee's General Comments: Drill Participation

Unplanned Scrams per 7000 Critical Hrs



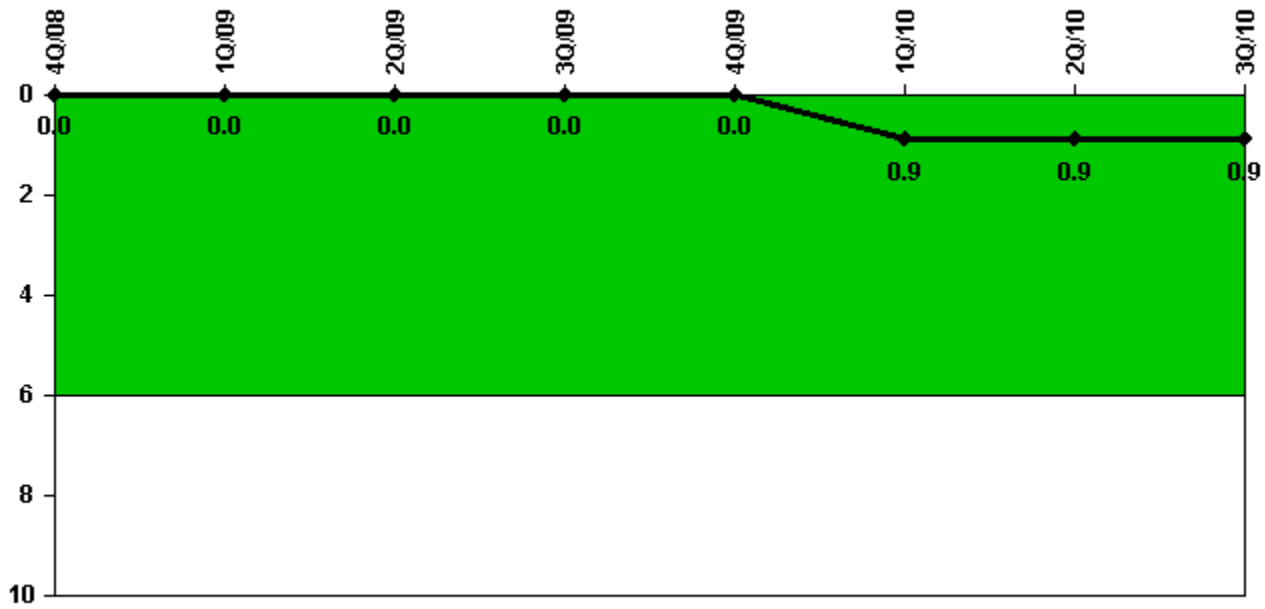
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1307.5	2034.5	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



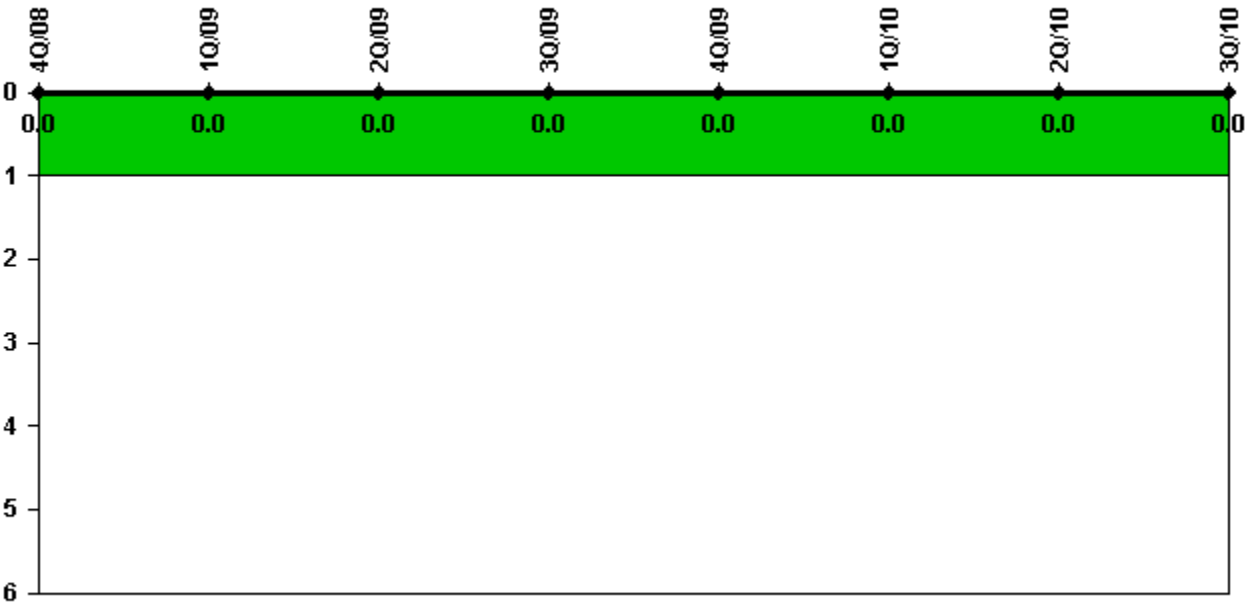
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1307.5	2034.5	2184.0	2208.0
Indicator value	0	0	0	0	0	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



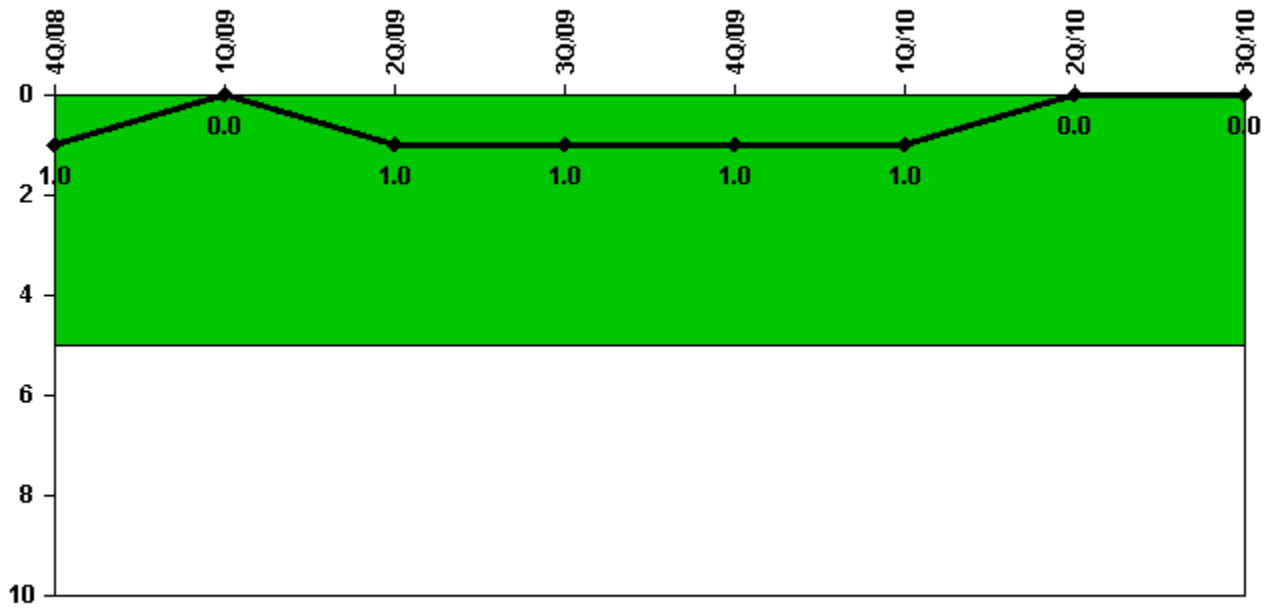
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



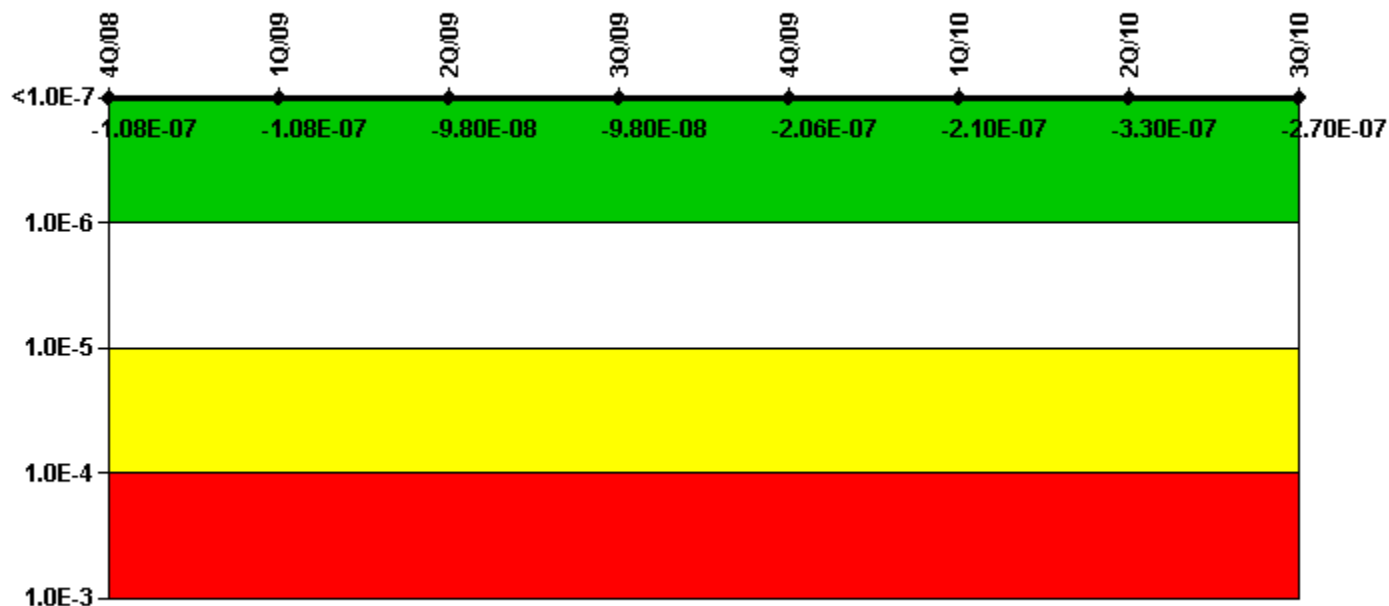
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	1	0	1	1	1	1	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



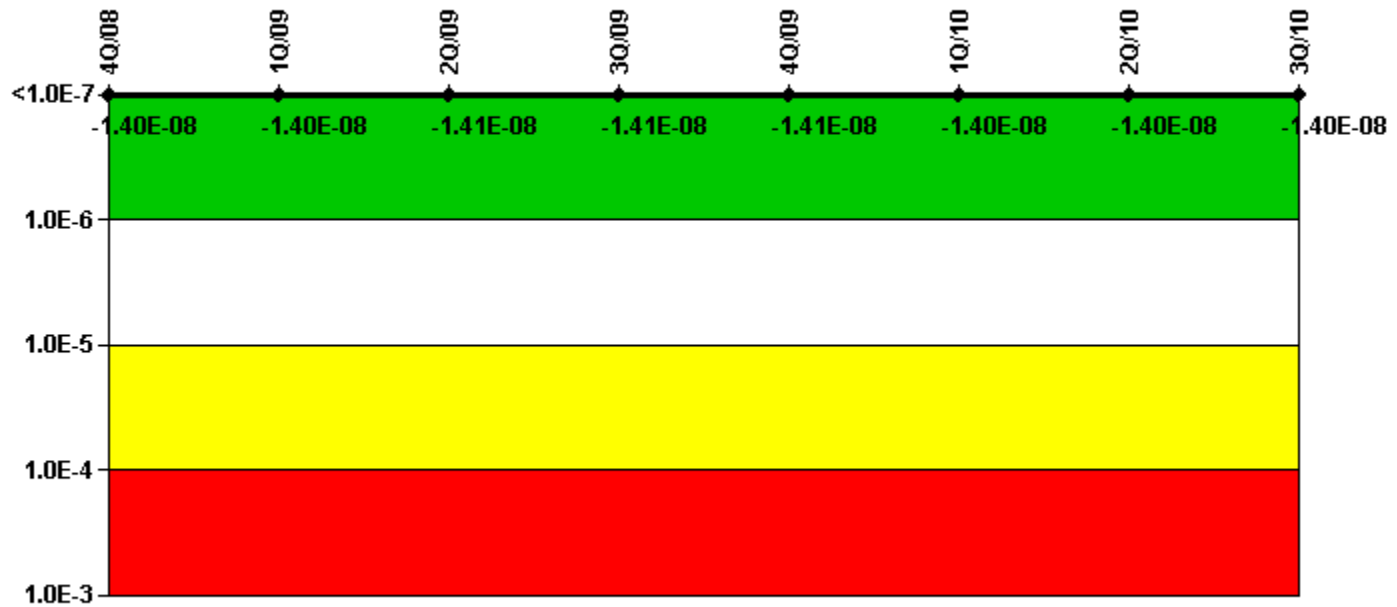
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08	-1.54E-08	-3.49E-08	2.43E-08
URI (Δ CDF)	-9.30E-08	-9.30E-08	-8.30E-08	-8.30E-08	-1.90E-07	-1.91E-07	-3.00E-07	-2.98E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.08E-07	-1.08E-07	-9.80E-08	-9.80E-08	-2.06E-07	-2.10E-07	-3.30E-07	-2.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-3.00E-09	-3.00E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.11E-09	-3.11E-09	-3.12E-09
URI (Δ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.40E-08	-1.41E-08	-1.41E-08	-1.41E-08	-1.40E-08	-1.40E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



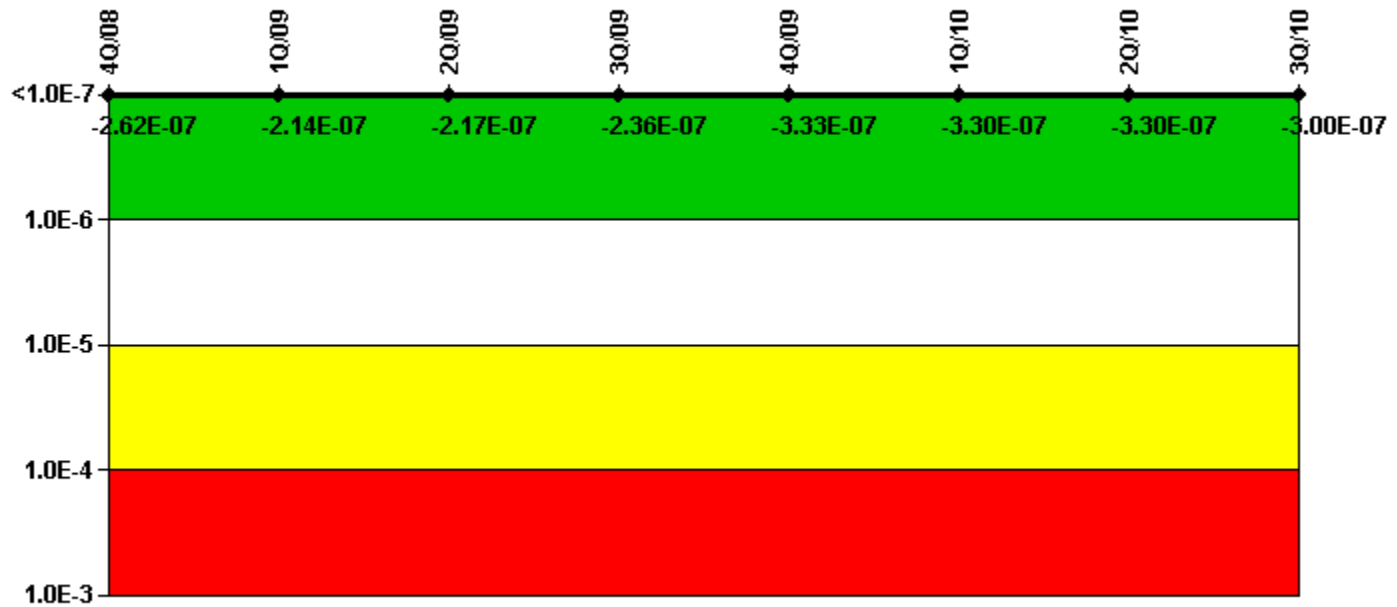
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	1.10E-07	1.10E-07	1.00E-07	1.00E-07	1.00E-07	9.46E-08	9.46E-08	9.46E-08
URI (ΔCDF)	-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.17E-07	-3.17E-07	-3.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-07	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



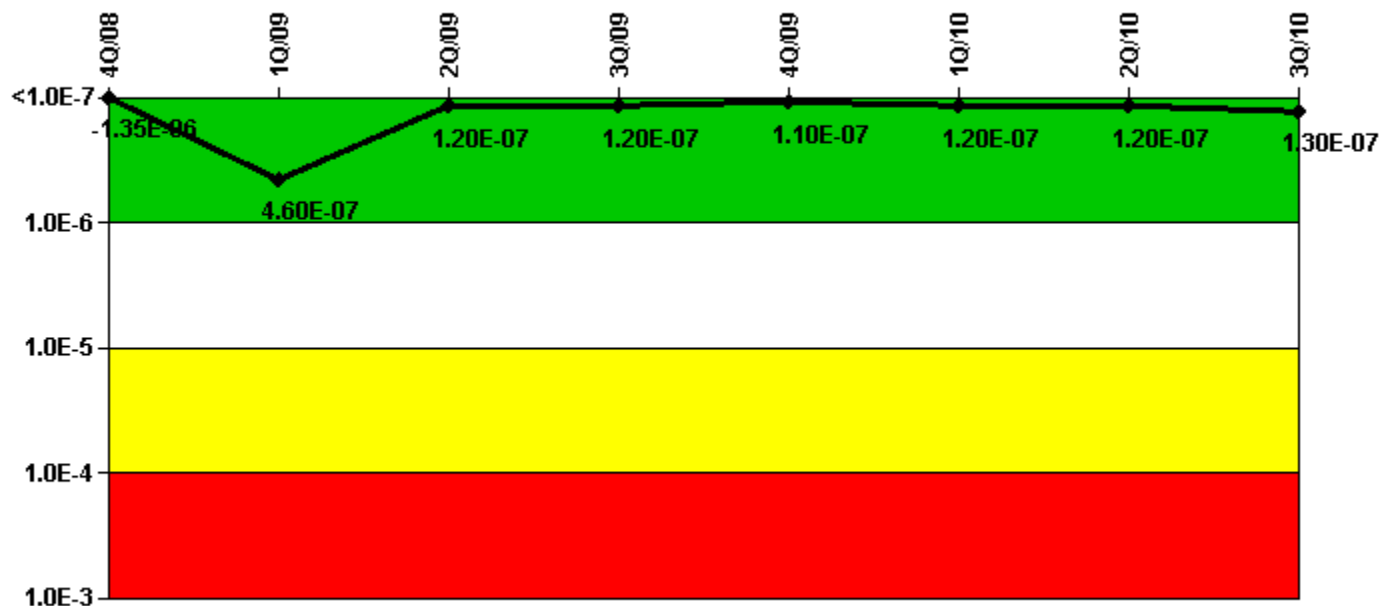
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.80E-08	6.60E-08	6.30E-08	4.40E-08	-5.30E-08	-5.29E-08	-5.29E-08	-2.45E-08
URI (Δ CDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.62E-07	-2.14E-07	-2.17E-07	-2.36E-07	-3.33E-07	-3.30E-07	-3.30E-07	-3.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



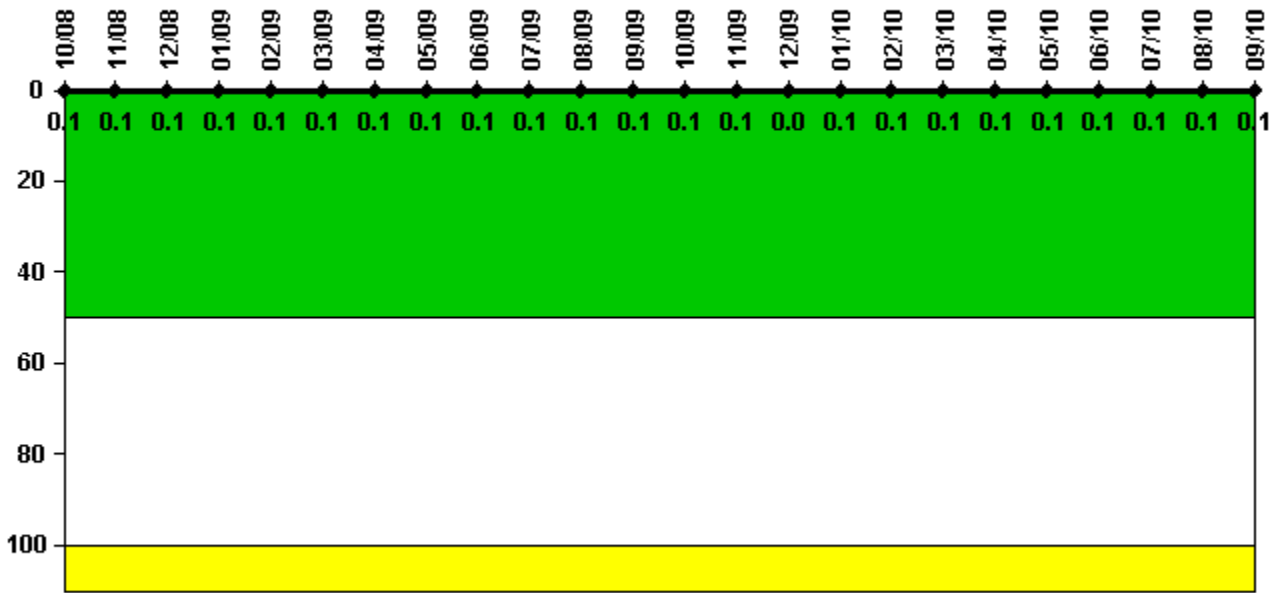
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-2.50E-07	2.50E-07	2.30E-07	2.30E-07	2.20E-07	2.28E-07	2.28E-07	2.40E-07
URI (ΔCDF)	-1.10E-06	2.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.11E-07	-1.11E-07	-1.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.35E-06	4.60E-07	1.20E-07	1.20E-07	1.10E-07	1.20E-07	1.20E-07	1.30E-07

Licensee Comments: none

Reactor Coolant System Activity



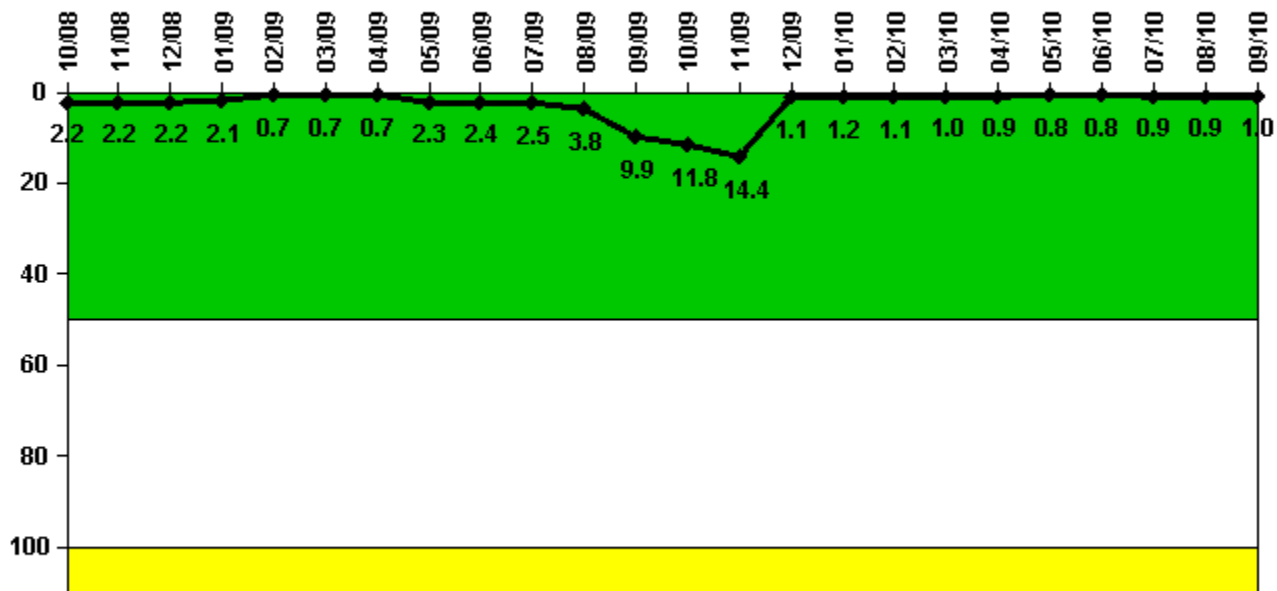
Thresholds: White > 50.0 Yellow > 100.0

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	0.000247	0.000262	0.000272	0.000278	0.000312	0.000318	0.000309	0.000323	0.000399	0.000332	0.000393	0.000364
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000339	0.000339	0.000197	0.000244	0.000239	0.000230	0.000265	0.000320	0.000315	0.000407	0.000359	0.000378
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



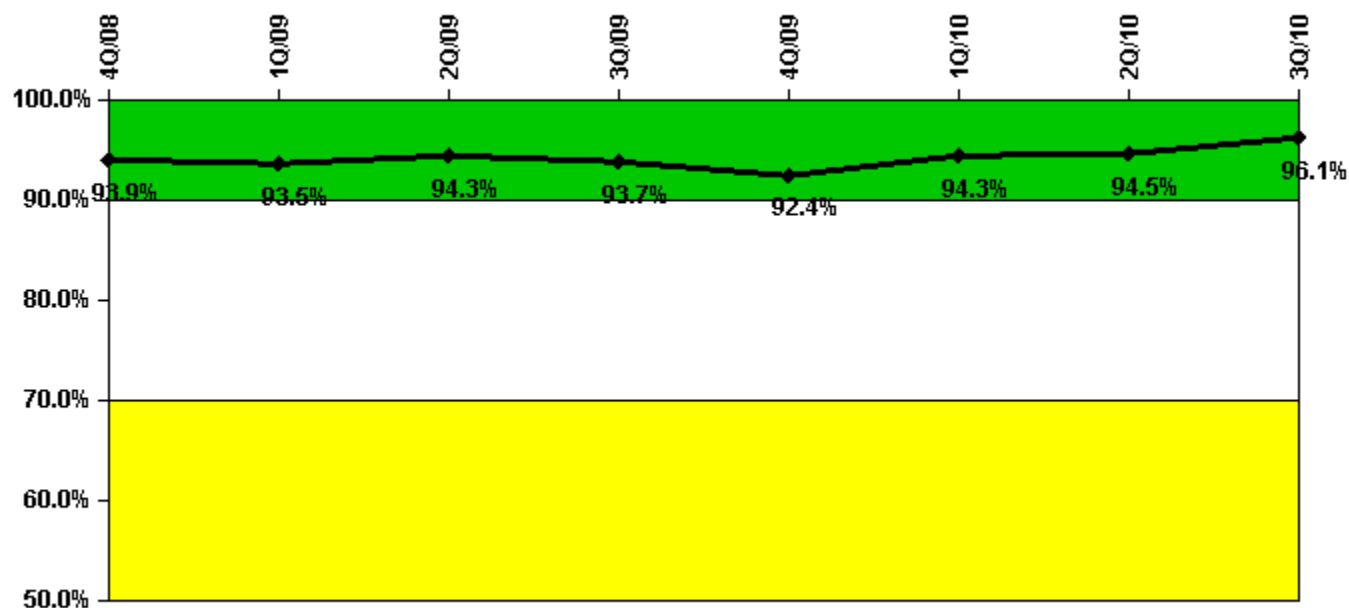
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0.215	0.216	0.222	0.214	0.065	0.067	0.074	0.225	0.241	0.250	0.377	0.985
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.2	2.2	2.1	0.7	0.7	0.7	2.3	2.4	2.5	3.8	9.9
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	1.183	1.436	0.112	0.122	0.110	0.102	0.086	0.084	0.078	0.087	0.090	0.102
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	11.8	14.4	1.1	1.2	1.1	1.0	0.9	0.8	0.8	0.9	0.9	1.0

Licensee Comments: none

Drill/Exercise Performance



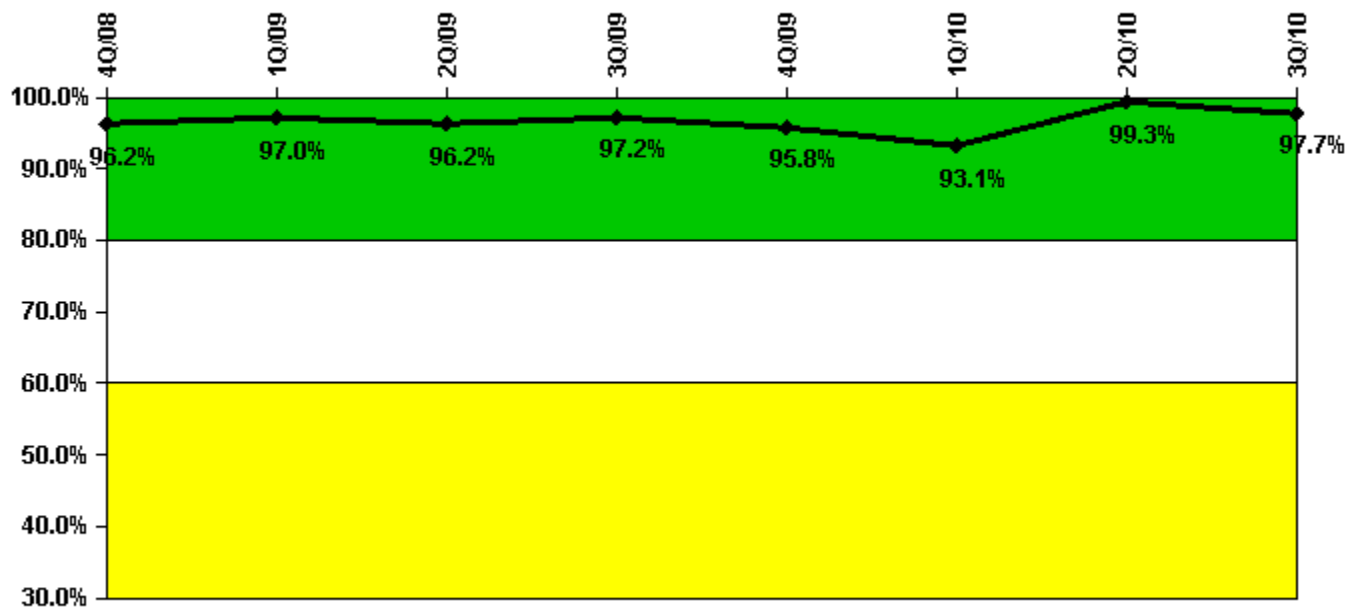
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	16.0	3.0	19.0	34.0	15.0	44.0	27.0	41.0
Total opportunities	17.0	3.0	20.0	35.0	18.0	44.0	28.0	42.0
Indicator value	93.9%	93.5%	94.3%	93.7%	92.4%	94.3%	94.5%	96.1%

Licensee Comments: none

ERO Drill Participation



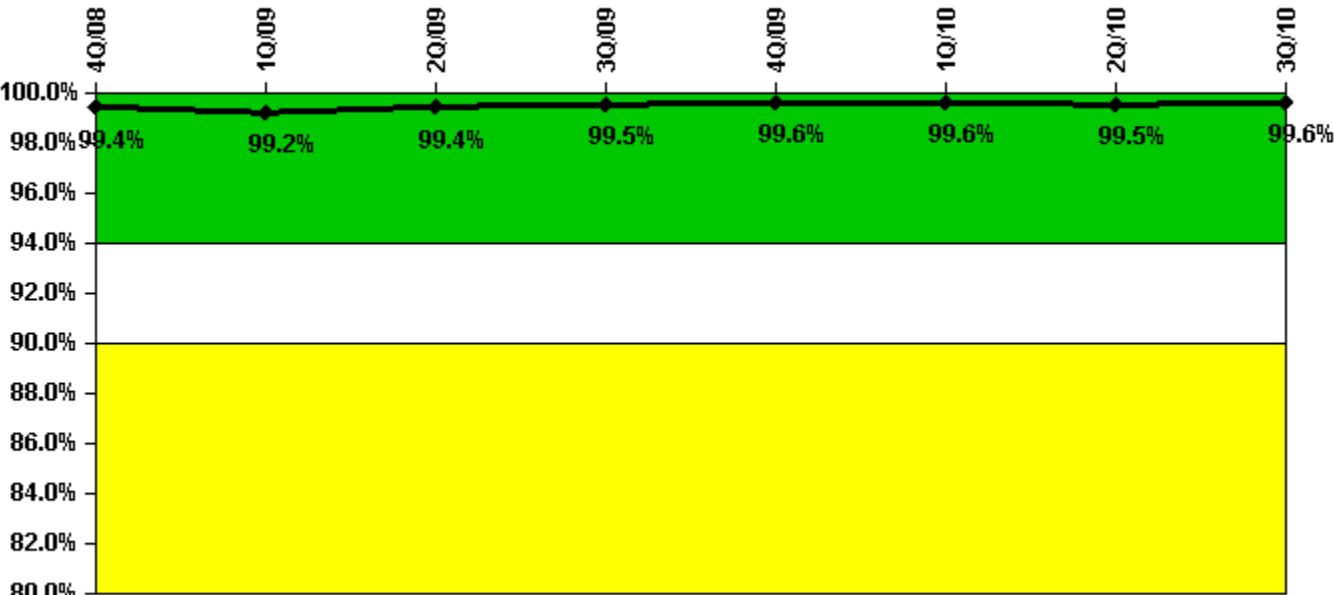
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	128.0	128.0	128.0	139.0	136.0	134.0	136.0	130.0
Total Key personnel	133.0	132.0	133.0	143.0	142.0	144.0	137.0	133.0
Indicator value	96.2%	97.0%	96.2%	97.2%	95.8%	93.1%	99.3%	97.7%

Licensee Comments: none

Alert & Notification System



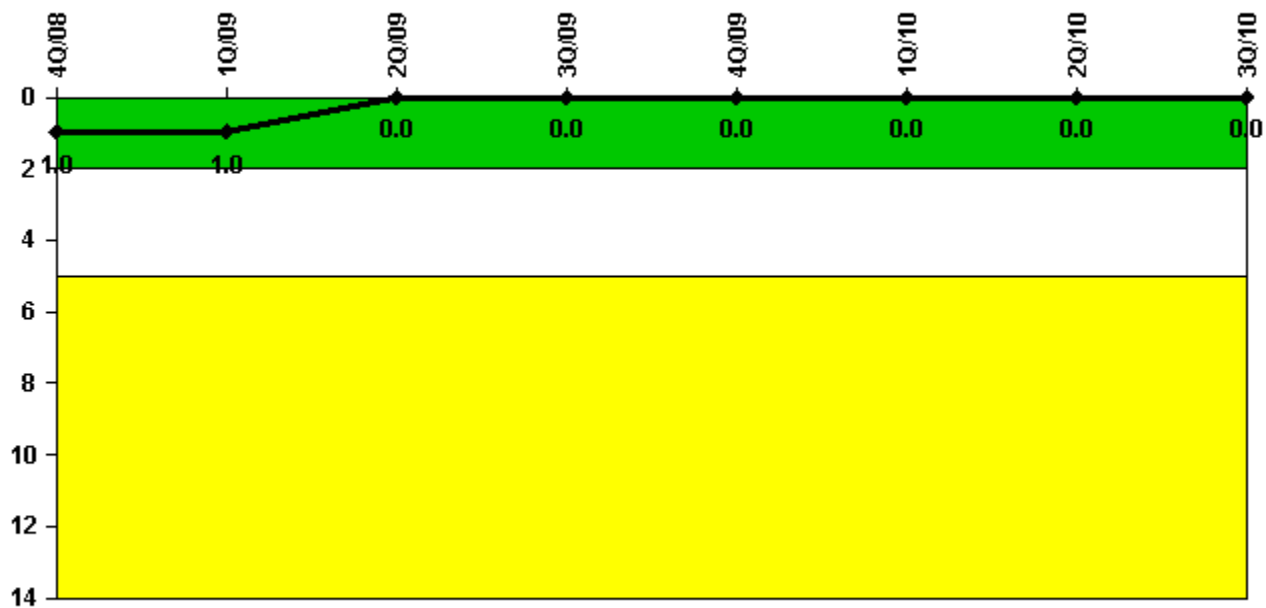
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	2391	2386	2401	2386	2485	2214	2394	2483
Total sirens-tests	2403	2403	2403	2403	2492	2225	2403	2492
Indicator value	99.4%	99.2%	99.4%	99.5%	99.6%	99.6%	99.5%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



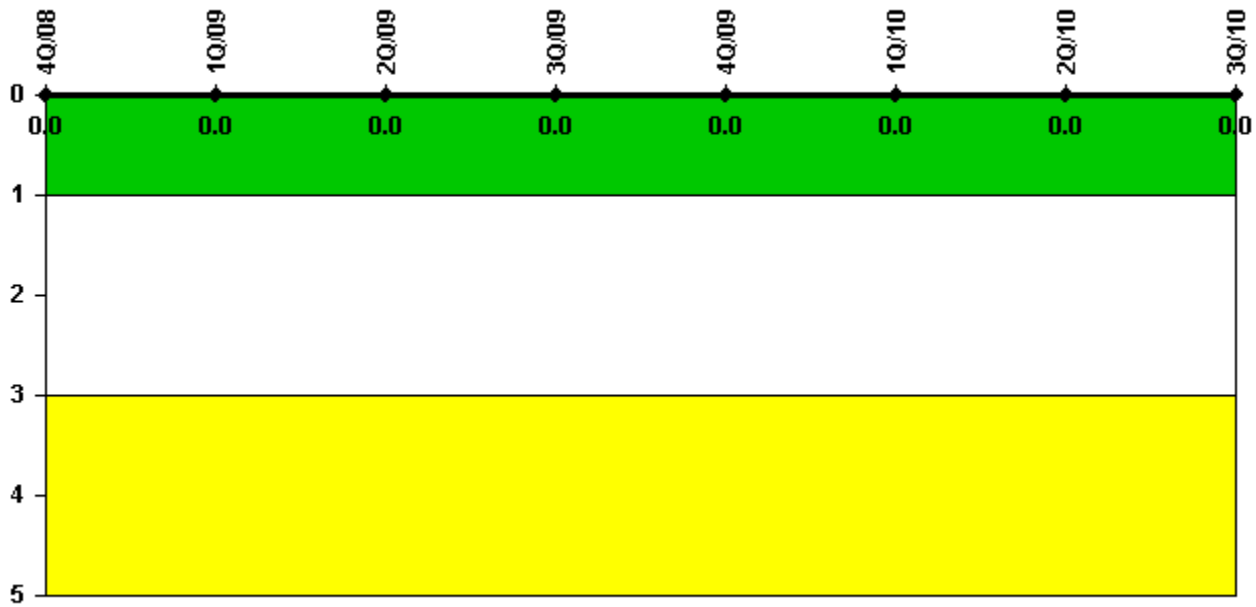
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	1	1	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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.

Catawba 1

4Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



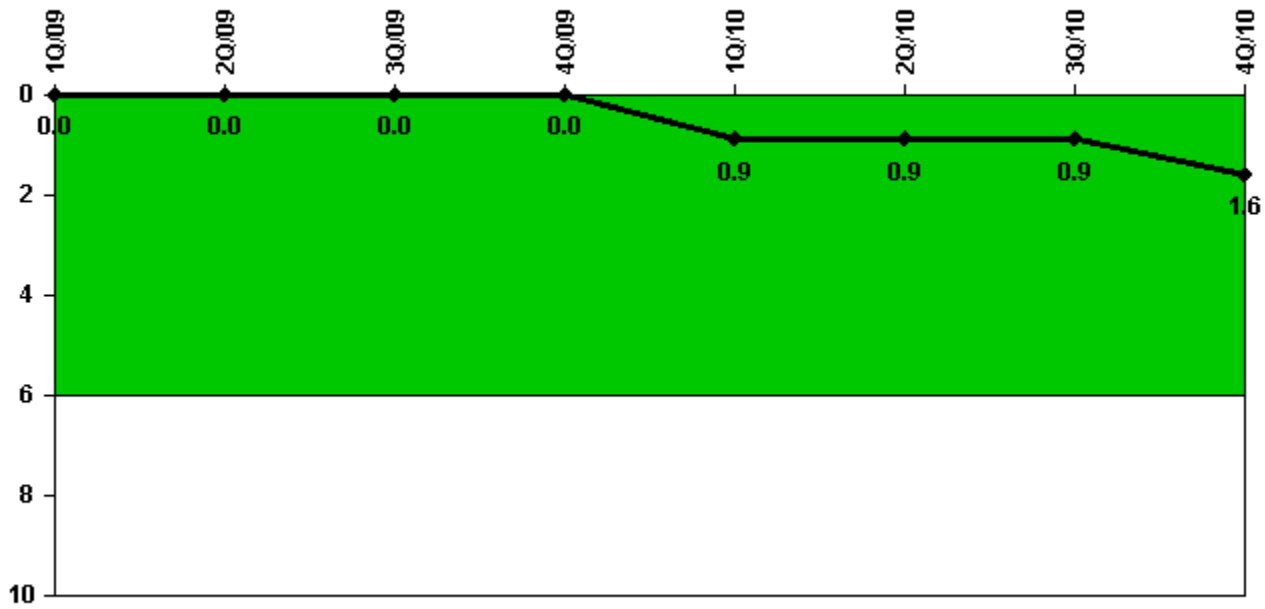
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1307.5	2034.5	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



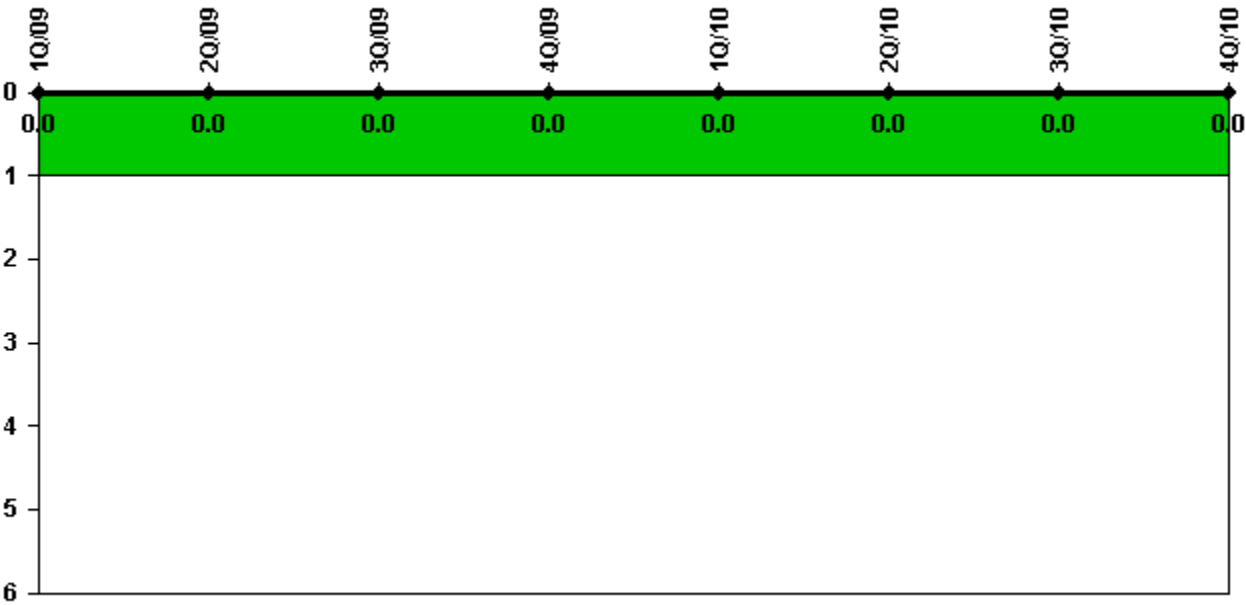
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	0	0	1.0	0	0	1.0
Critical hours	2159.0	2184.0	2208.0	1307.5	2034.5	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0.9	0.9	0.9	1.6

Licensee Comments: none

Unplanned Scrams with Complications



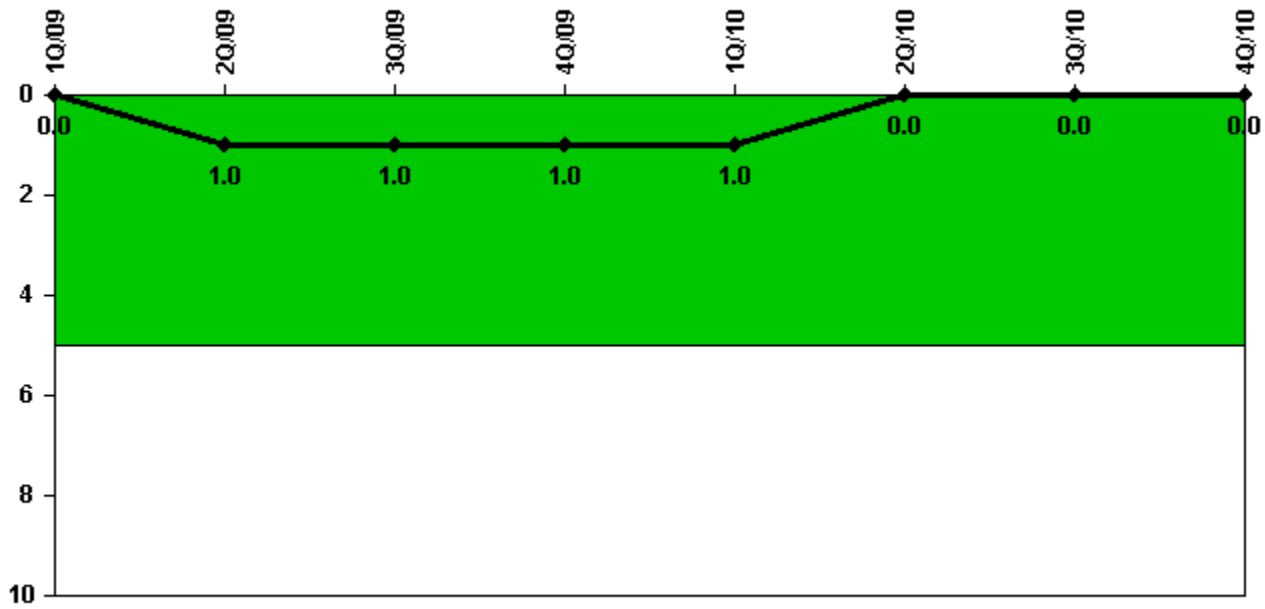
Thresholds: White > 1.0

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 (PWR)



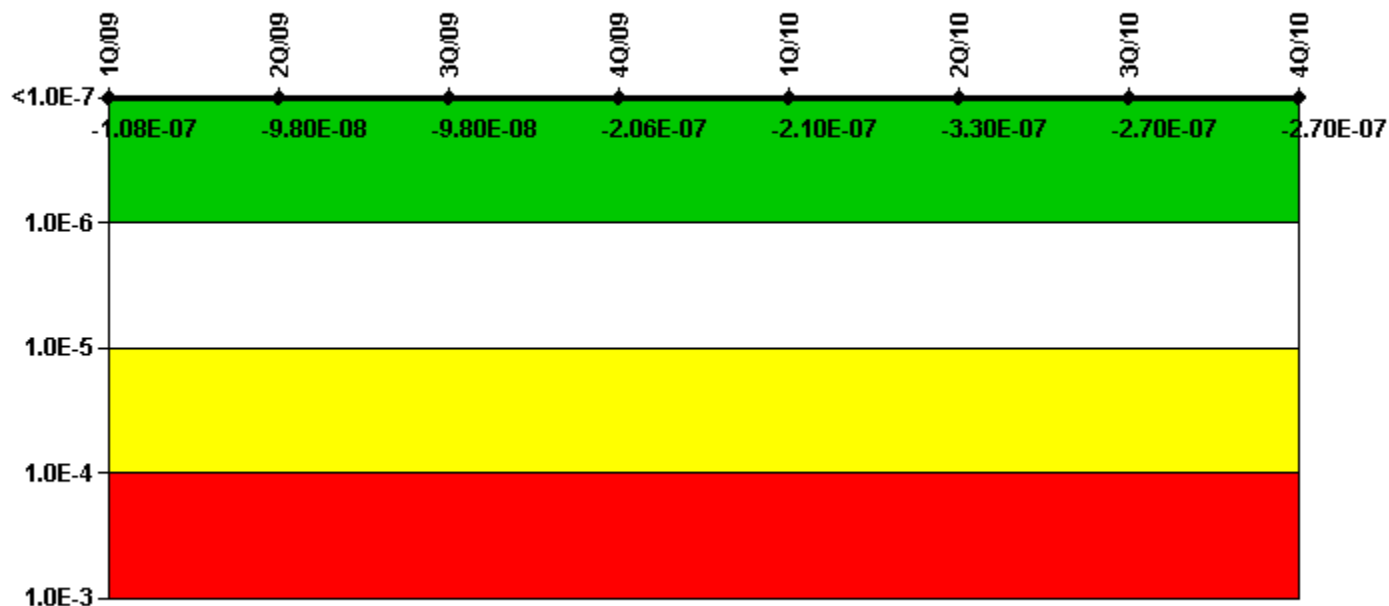
Thresholds: White > 5.0

Notes

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



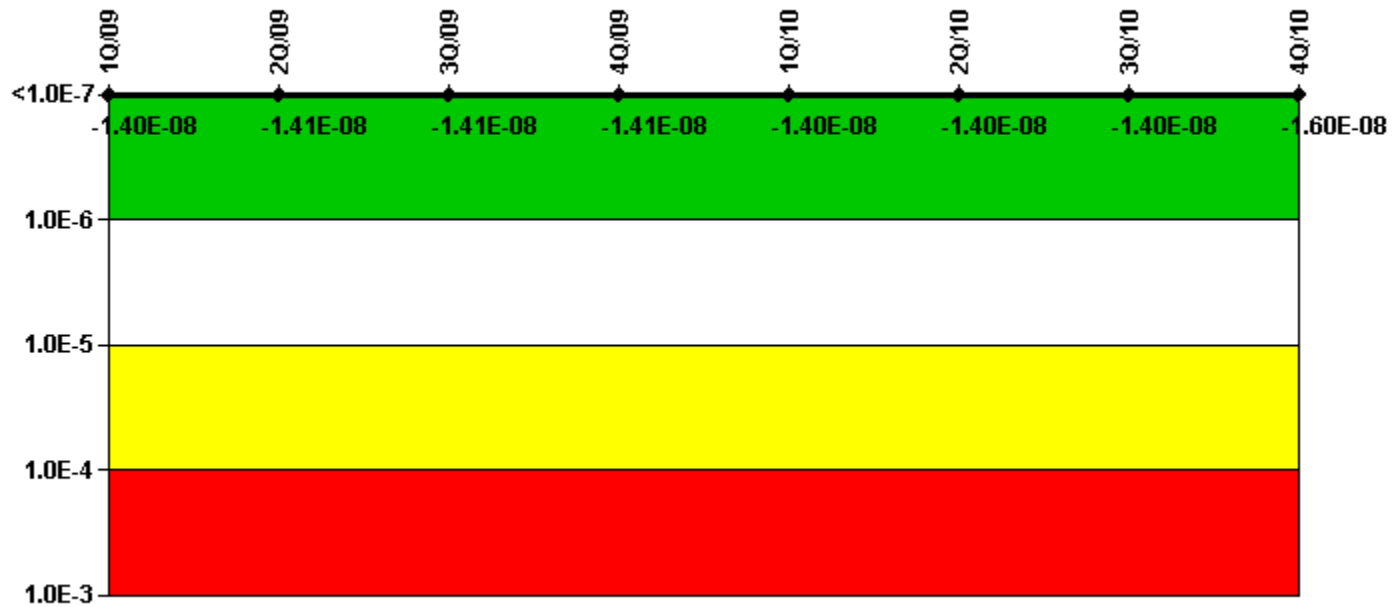
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08	-1.54E-08	-3.49E-08	2.43E-08	3.12E-08
URI (Δ CDF)	-9.30E-08	-8.30E-08	-8.30E-08	-1.90E-07	-1.91E-07	-3.00E-07	-2.98E-07	-2.98E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.08E-07	-9.80E-08	-9.80E-08	-2.06E-07	-2.10E-07	-3.30E-07	-2.70E-07	-2.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



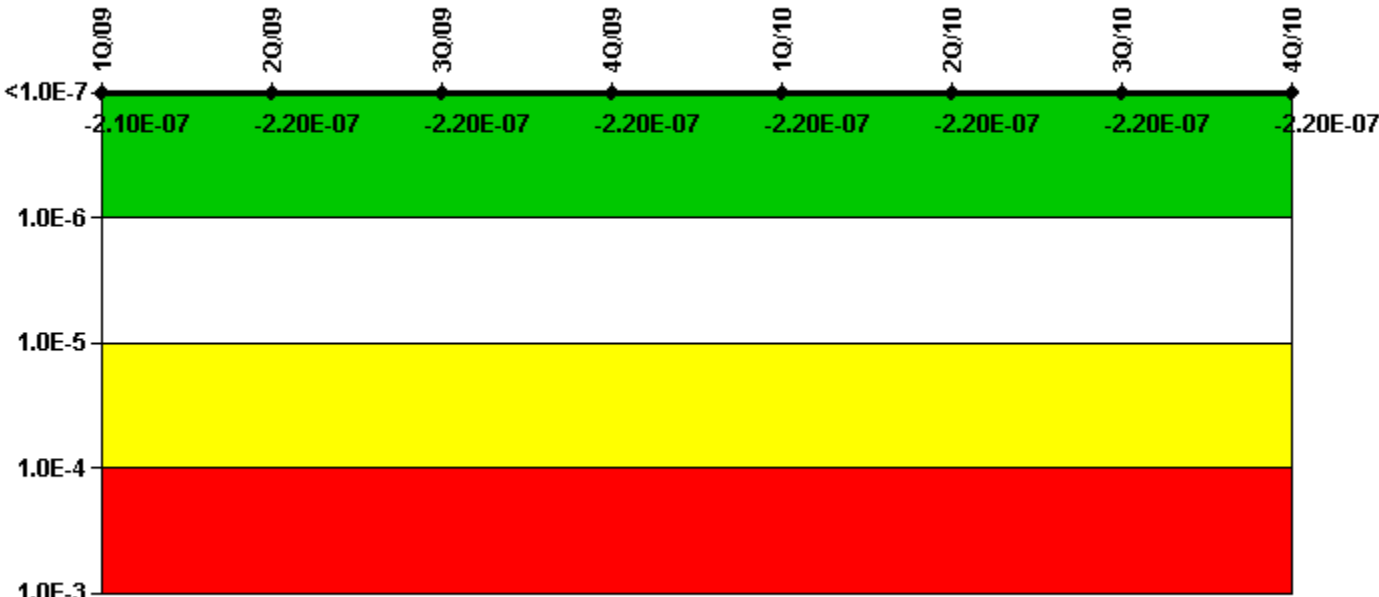
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-3.00E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.11E-09	-3.11E-09	-3.12E-09	-3.28E-09
URI (Δ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.07E-08	-1.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.41E-08	-1.41E-08	-1.41E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



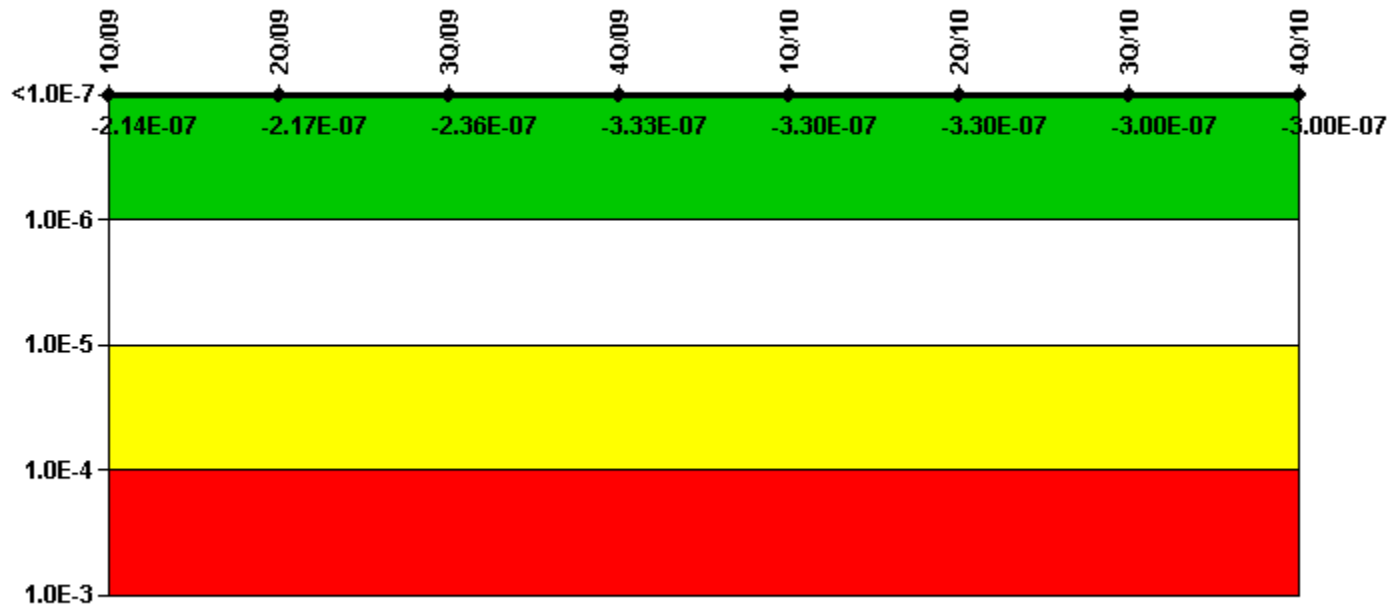
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	1.10E-07	1.00E-07	1.00E-07	1.00E-07	9.46E-08	9.46E-08	9.46E-08	9.46E-08
URI (ΔCDF)	-3.20E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



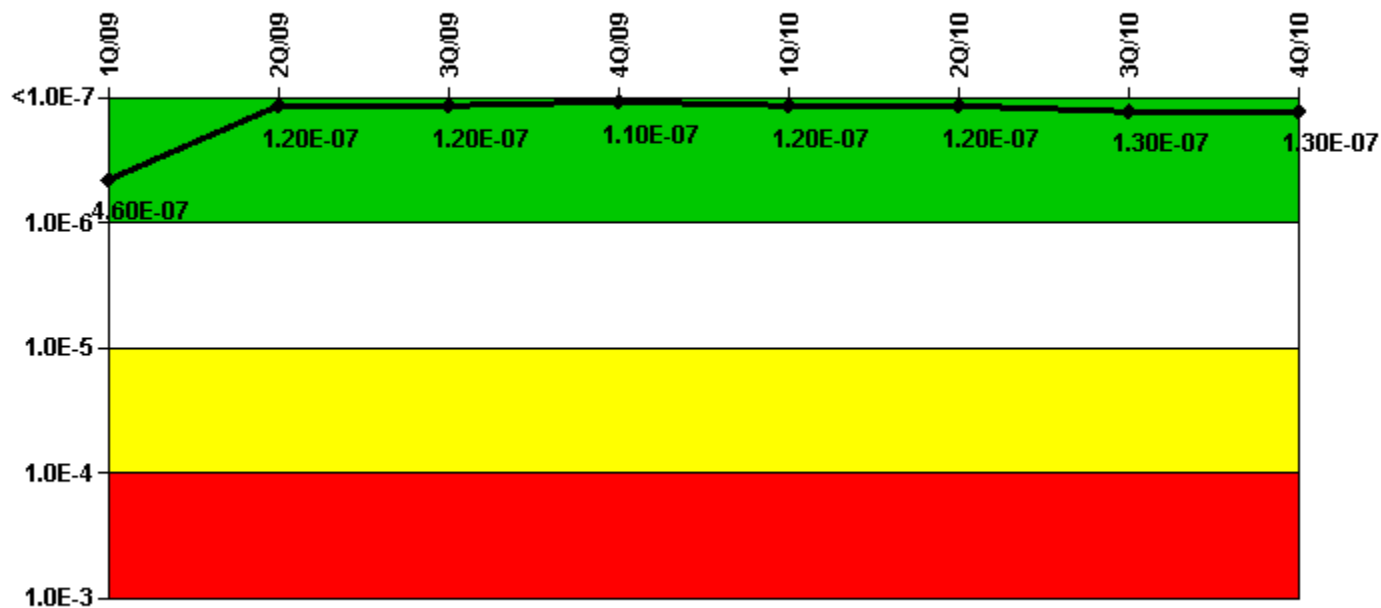
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	6.60E-08	6.30E-08	4.40E-08	-5.30E-08	-5.29E-08	-5.29E-08	-2.45E-08	-2.18E-08
URI (Δ CDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.14E-07	-2.17E-07	-2.36E-07	-3.33E-07	-3.30E-07	-3.30E-07	-3.00E-07	-3.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



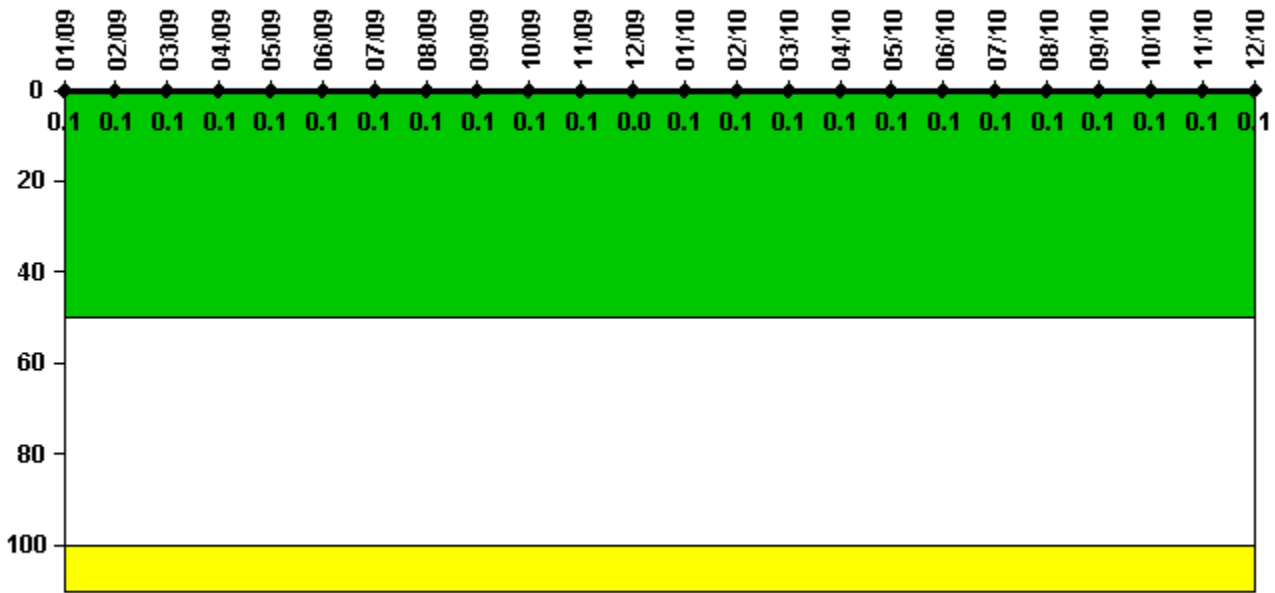
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	2.50E-07	2.30E-07	2.30E-07	2.20E-07	2.28E-07	2.28E-07	2.40E-07	2.40E-07
URI (ΔCDF)	2.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.60E-07	1.20E-07	1.20E-07	1.10E-07	1.20E-07	1.20E-07	1.30E-07	1.30E-07

Licensee Comments: none

Reactor Coolant System Activity



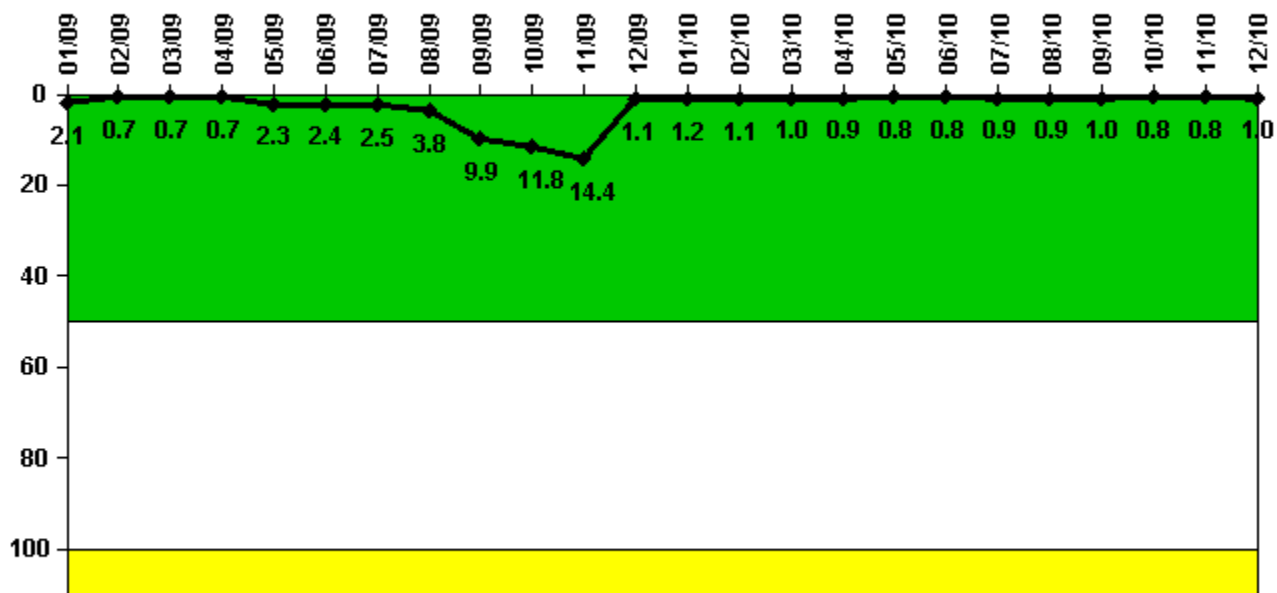
Thresholds: White > 50.0 Yellow > 100.0

Notes

[illegible]

Licensee Comments: none

Reactor Coolant System Leakage



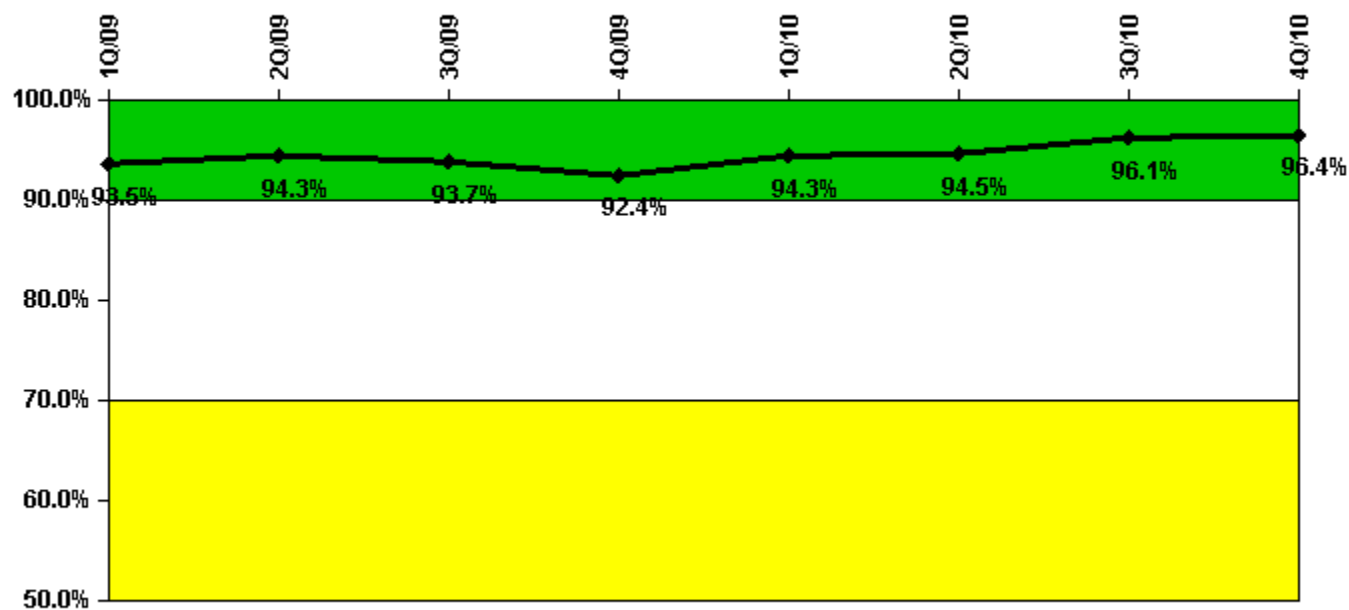
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.214	0.065	0.067	0.074	0.225	0.241	0.250	0.377	0.985	1.183	1.436	0.112
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.1	0.7	0.7	0.7	2.3	2.4	2.5	3.8	9.9	11.8	14.4	1.1
Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.122	0.110	0.102	0.086	0.084	0.078	0.087	0.090	0.102	0.076	0.080	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.2	1.1	1.0	0.9	0.8	0.8	0.9	0.9	1.0	0.8	0.8	1.0

Licensee Comments: none

Drill/Exercise Performance



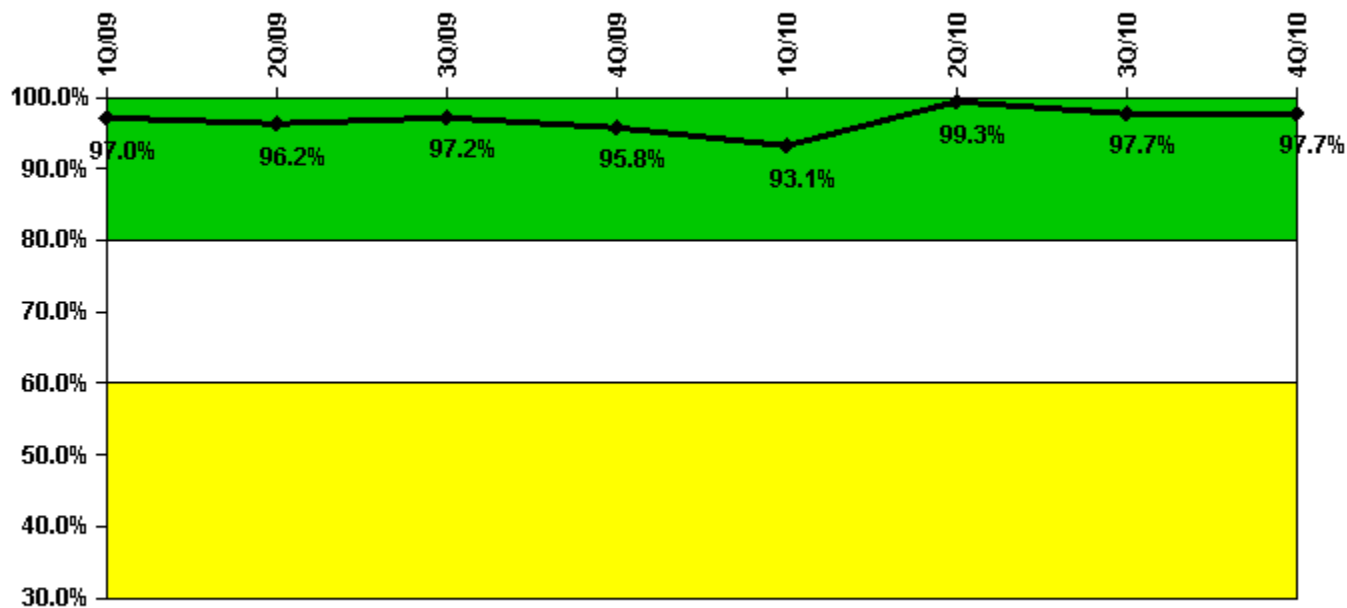
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	3.0	19.0	34.0	15.0	44.0	27.0	41.0	30.0
Total opportunities	3.0	20.0	35.0	18.0	44.0	28.0	42.0	31.0
Indicator value	93.5%	94.3%	93.7%	92.4%	94.3%	94.5%	96.1%	96.4%

Licensee Comments: none

ERO Drill Participation



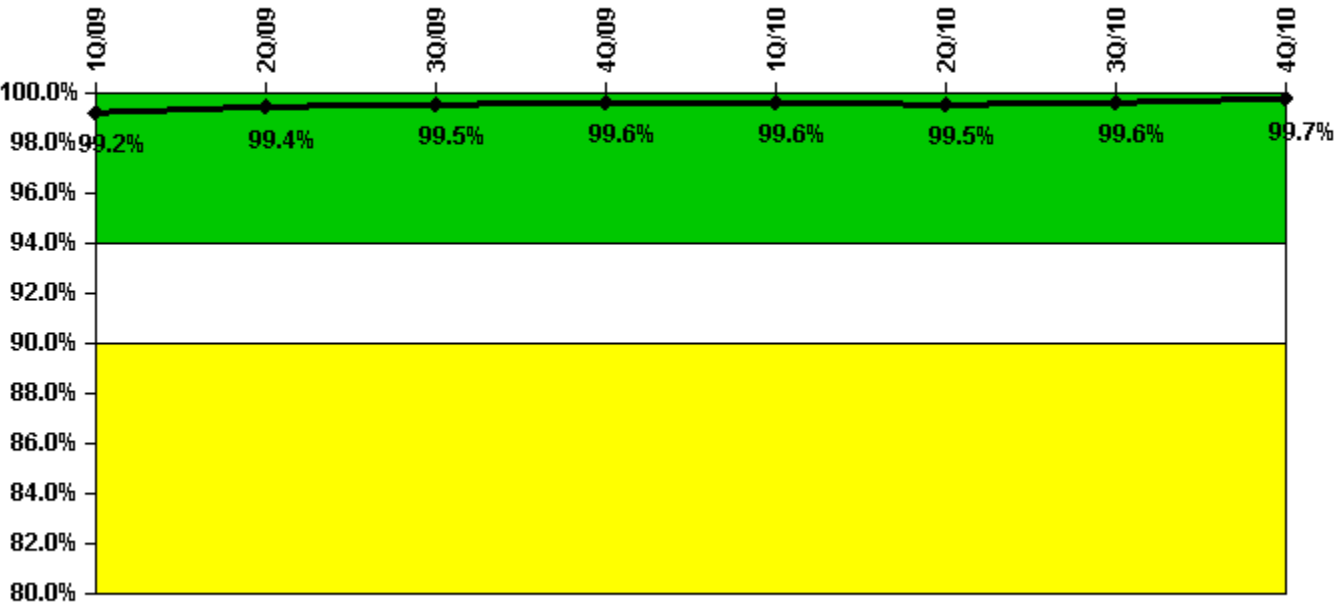
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	128.0	128.0	139.0	136.0	134.0	136.0	130.0	129.0
Total Key personnel	132.0	133.0	143.0	142.0	144.0	137.0	133.0	132.0
Indicator value	97.0%	96.2%	97.2%	95.8%	93.1%	99.3%	97.7%	97.7%

Licensee Comments: none

Alert & Notification System



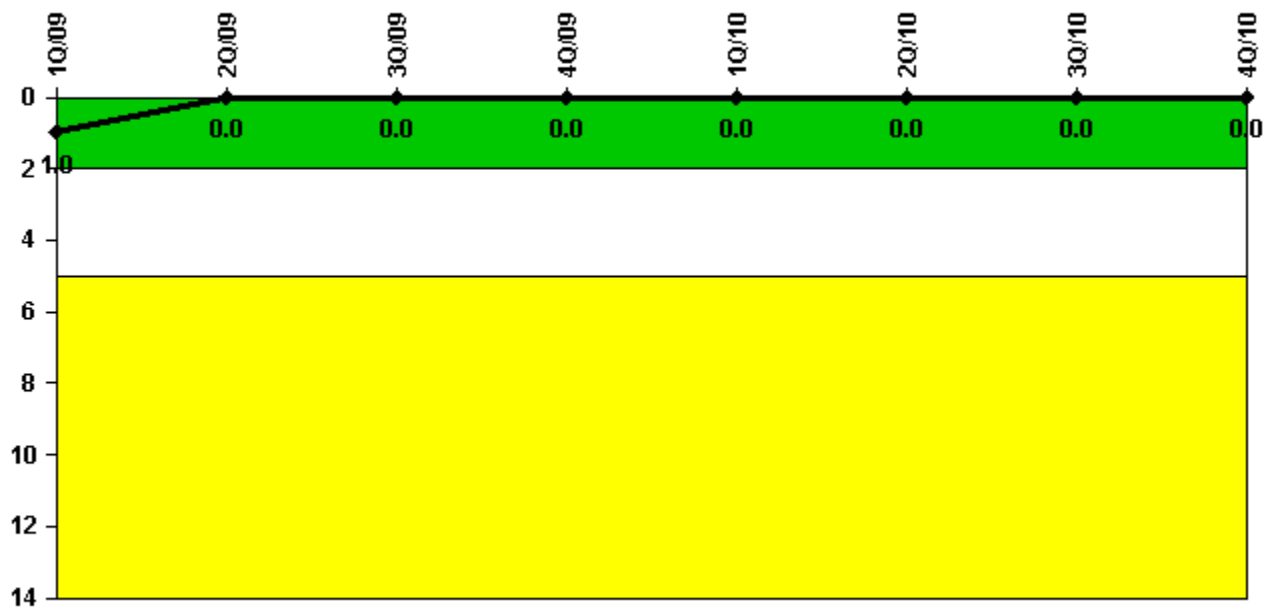
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	2386	2401	2386	2485	2214	2394	2483	2400
Total sirens-tests	2403	2403	2403	2492	2225	2403	2492	2403
Indicator value	99.2%	99.4%	99.5%	99.6%	99.6%	99.5%	99.6%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



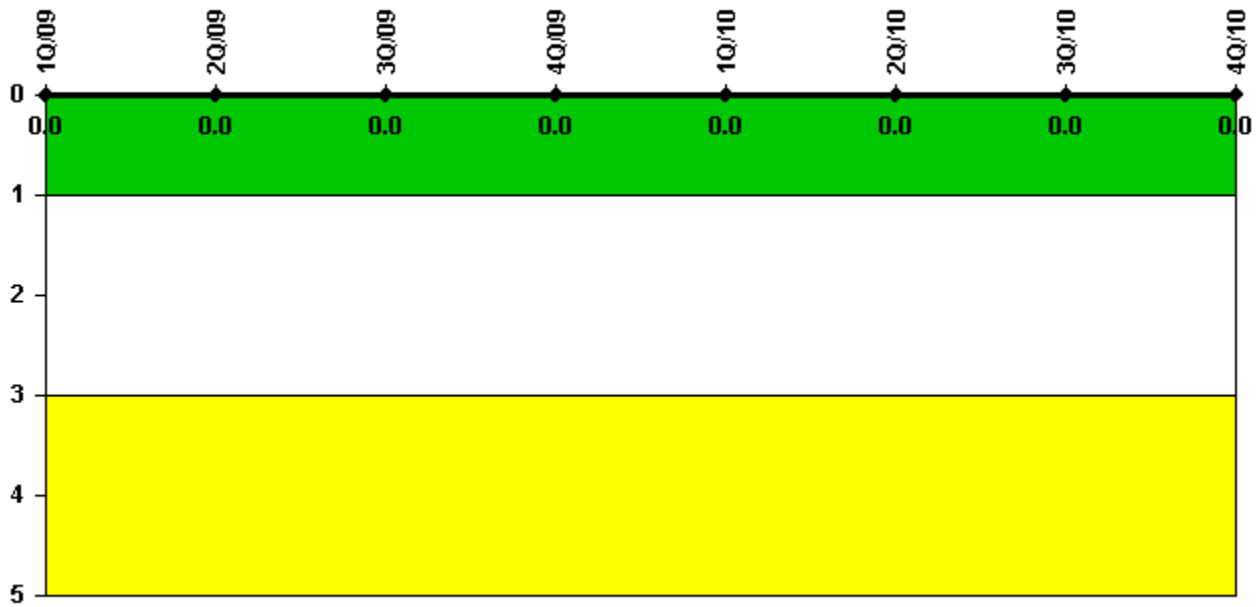
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	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/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.

Catawba 1

1Q/2011 Performance Indicators

Licensee's General Comments: The fourth quarter reporting data for the Emergency Preparedness Drill Exercise Performance has been corrected to reflect the appropriate values. This change was required upon identification of an additional failure on an active simulator exam.

Unplanned Scrams per 7000 Critical Hrs



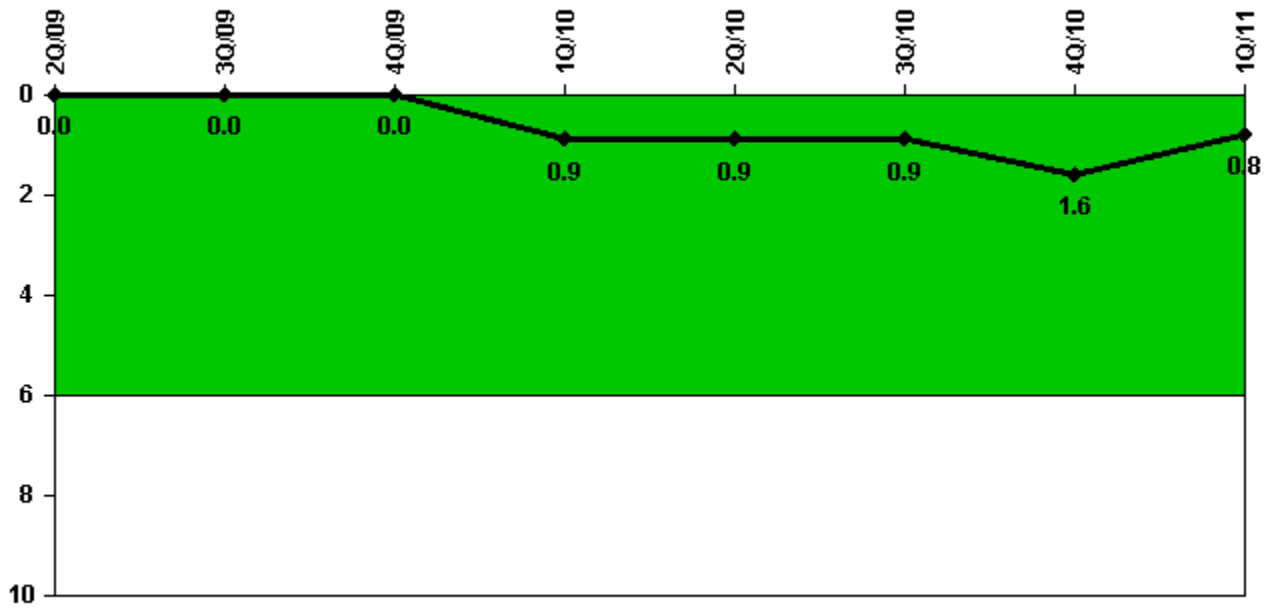
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1307.5	2034.5	2184.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



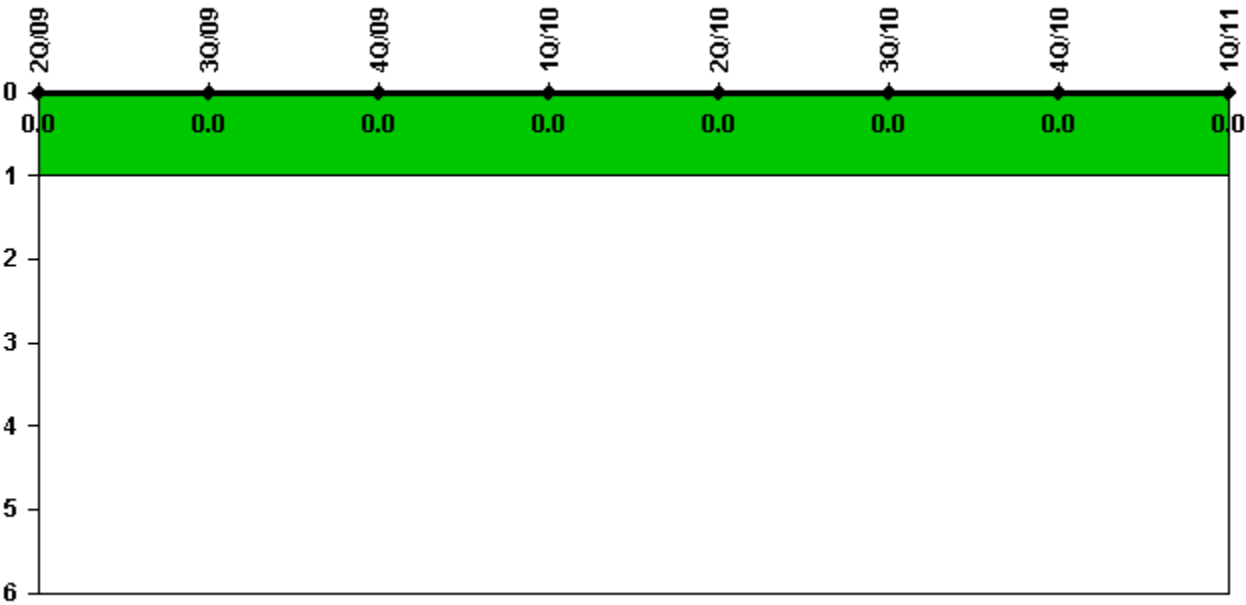
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	1.0	0	0	1.0	0
Critical hours	2184.0	2208.0	1307.5	2034.5	2184.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0.9	0.9	0.9	1.6	0.8

Licensee Comments: none

Unplanned Scrams with Complications



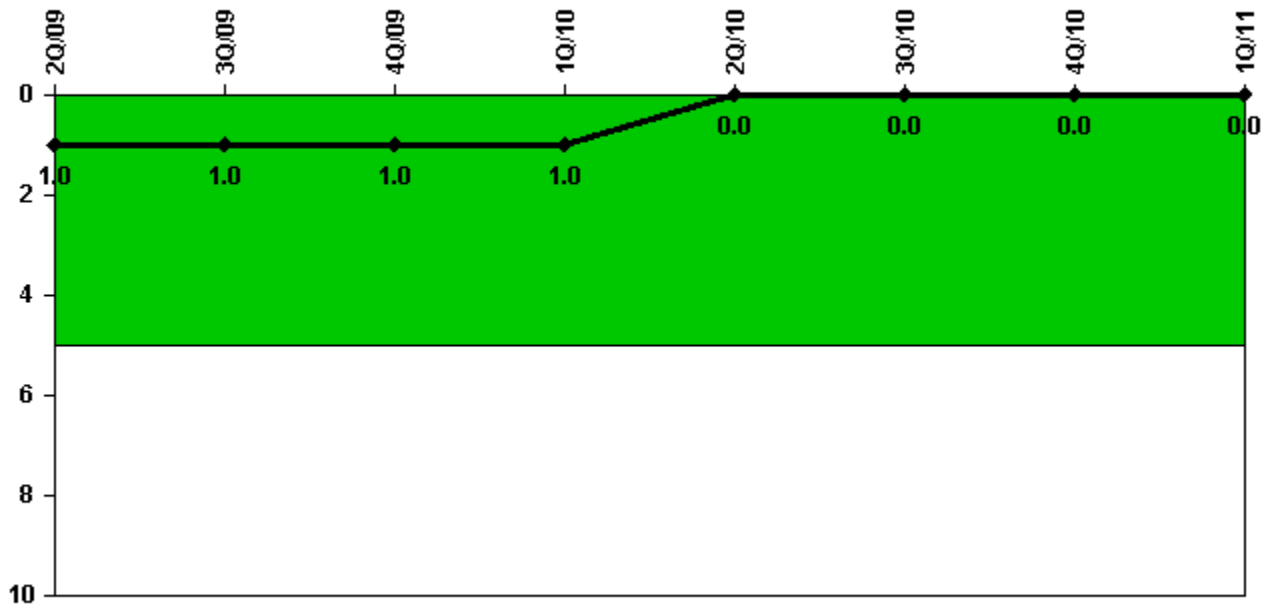
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



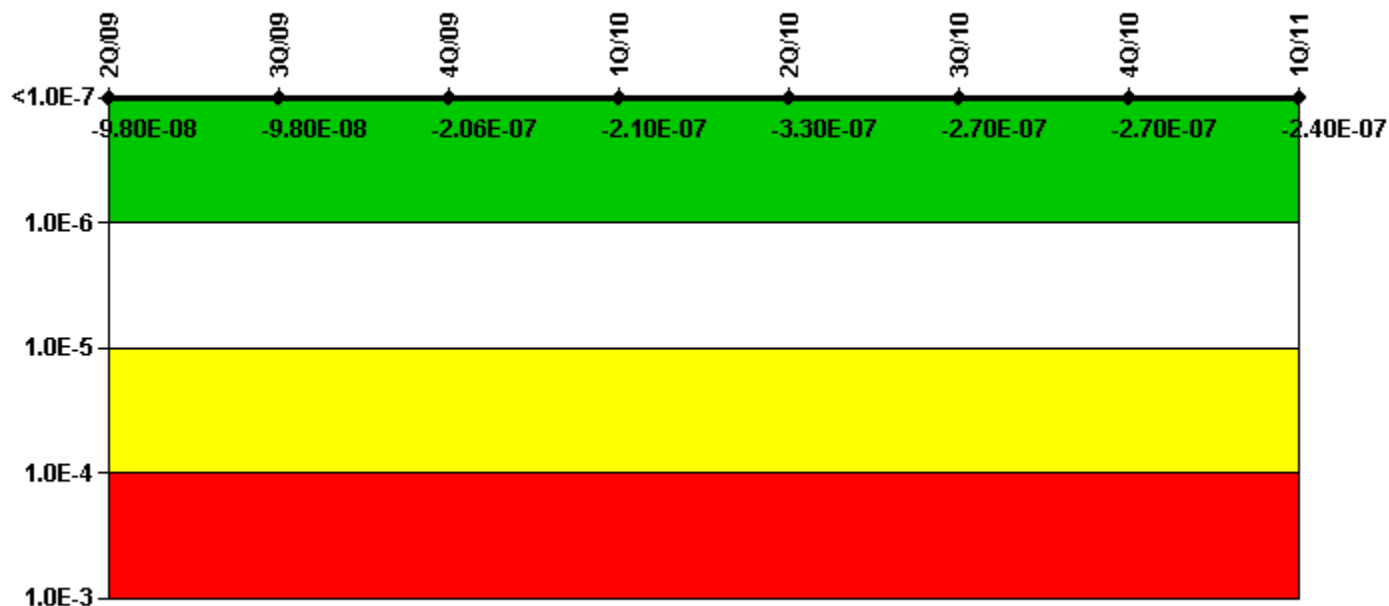
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	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



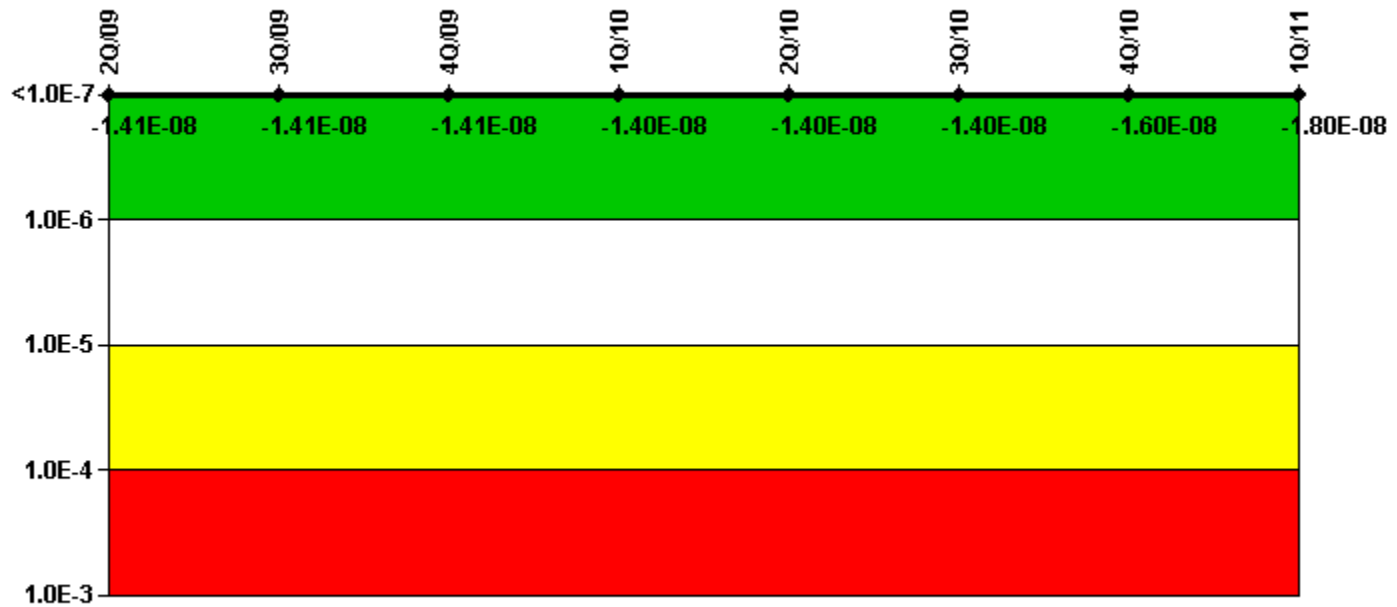
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-1.50E-08	-1.50E-08	-1.60E-08	-1.54E-08	-3.49E-08	2.43E-08	3.12E-08	5.70E-08
URI (Δ CDF)	-8.30E-08	-8.30E-08	-1.90E-07	-1.91E-07	-3.00E-07	-2.98E-07	-2.98E-07	-2.98E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.80E-08	-9.80E-08	-2.06E-07	-2.10E-07	-3.30E-07	-2.70E-07	-2.70E-07	-2.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-3.10E-09	-3.10E-09	-3.10E-09	-3.11E-09	-3.11E-09	-3.12E-09	-3.28E-09	-4.44E-09
URI (Δ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.07E-08	-1.32E-08	-1.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.41E-08	-1.41E-08	-1.41E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.60E-08	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



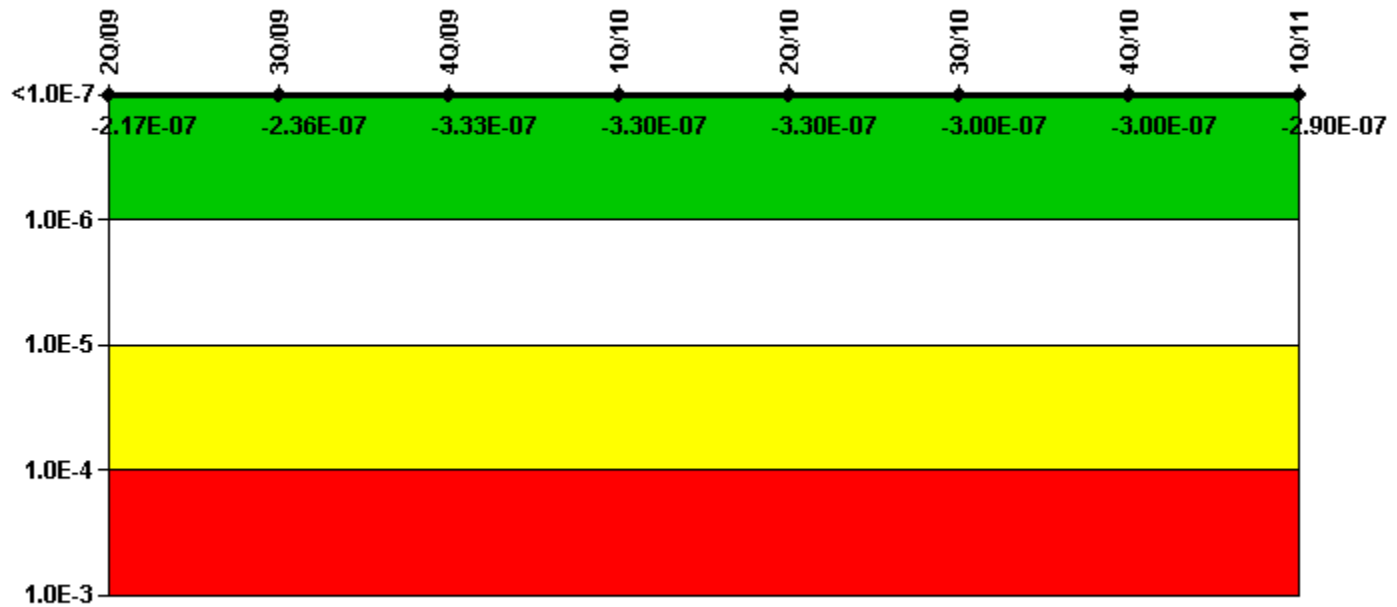
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	5.23E-08	5.23E-08	5.04E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	8.11E-08
URI (ΔCDF)	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.60E-07	-2.60E-07	-2.70E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



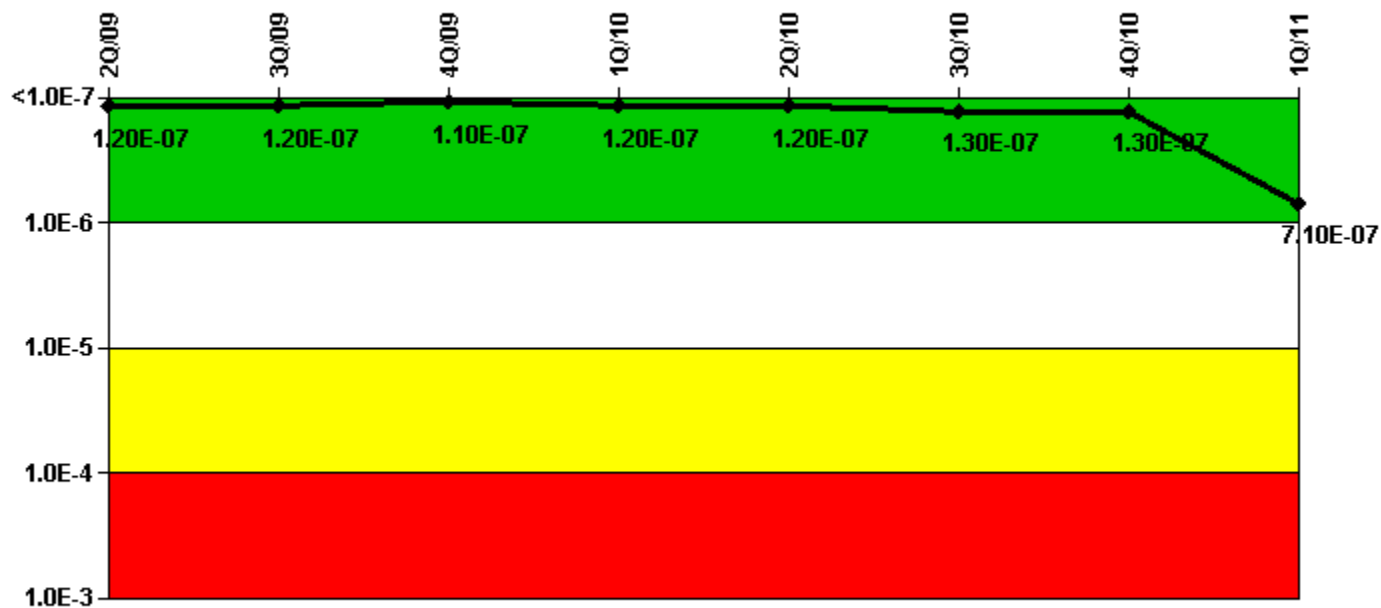
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	6.30E-08	4.40E-08	-5.30E-08	-5.29E-08	-5.29E-08	-2.45E-08	-2.18E-08	-1.43E-08
URI (Δ CDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.17E-07	-2.36E-07	-3.33E-07	-3.30E-07	-3.30E-07	-3.00E-07	-3.00E-07	-2.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

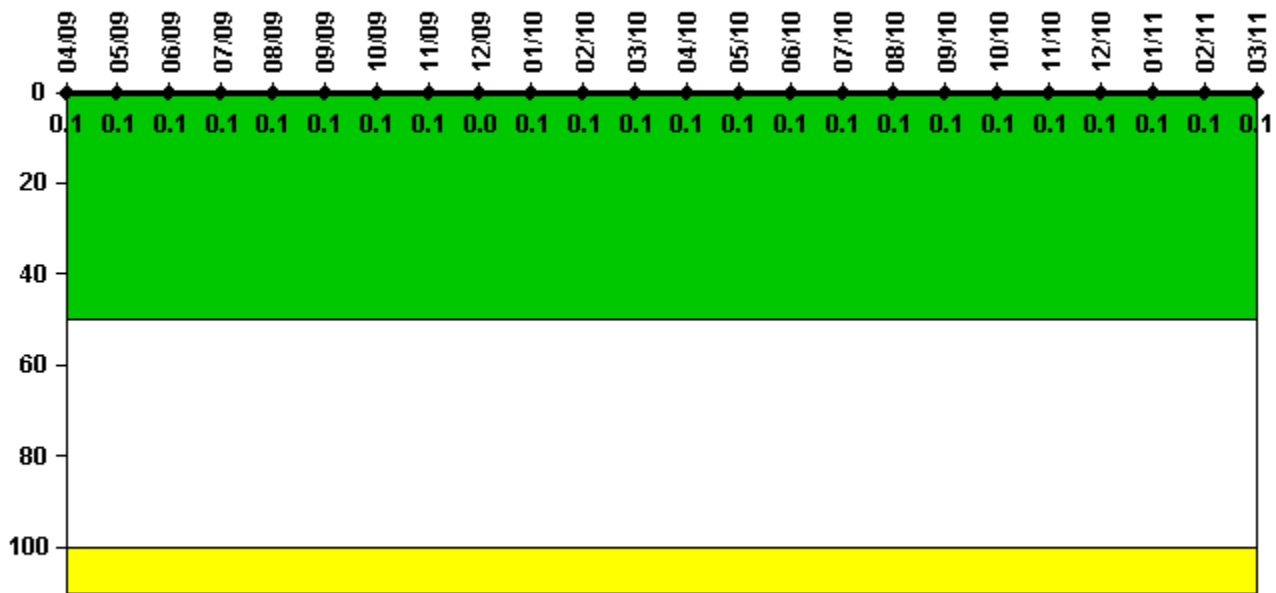
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	2.30E-07	2.30E-07	2.20E-07	2.28E-07	2.28E-07	2.40E-07	2.40E-07	8.22E-07
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-07	1.20E-07	1.10E-07	1.20E-07	1.20E-07	1.30E-07	1.30E-07	7.10E-07

Licensee Comments:

1Q/11: Risk Cap Invoked.

Reactor Coolant System Activity



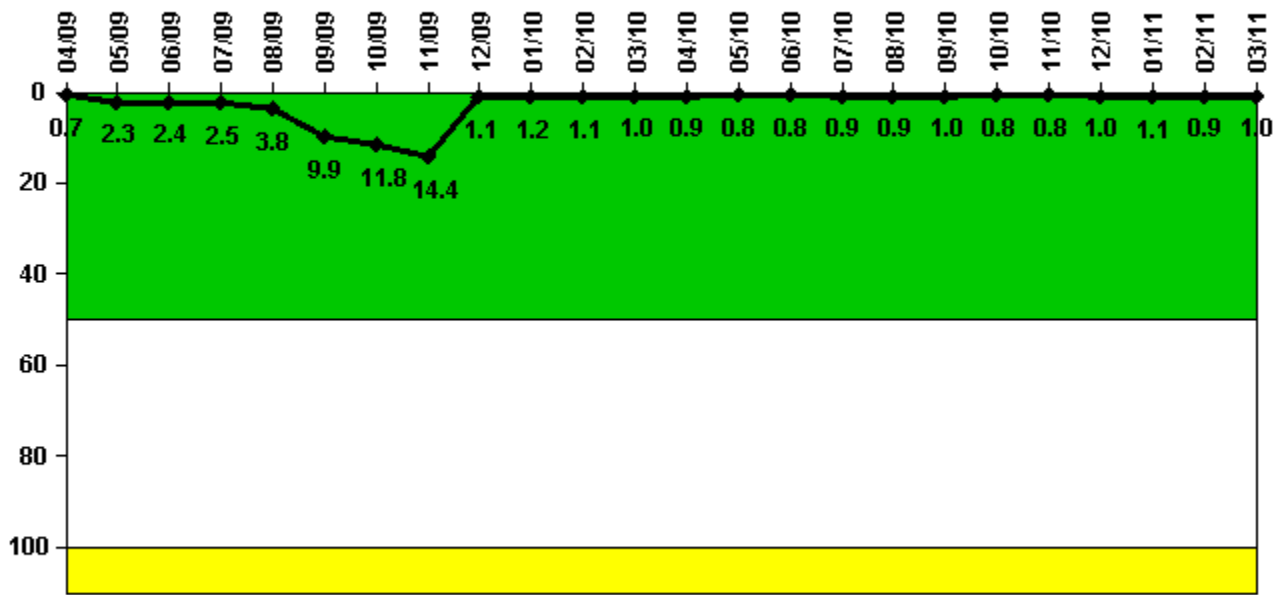
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.000309	0.000323	0.000399	0.000332	0.000393	0.000364	0.000339	0.000339	0.000197	0.000244	0.000239	0.000230
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1
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	0.000265	0.000320	0.000315	0.000407	0.000359	0.000378	0.000369	0.000381	0.000382	0.000410	0.000393	0.000452
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



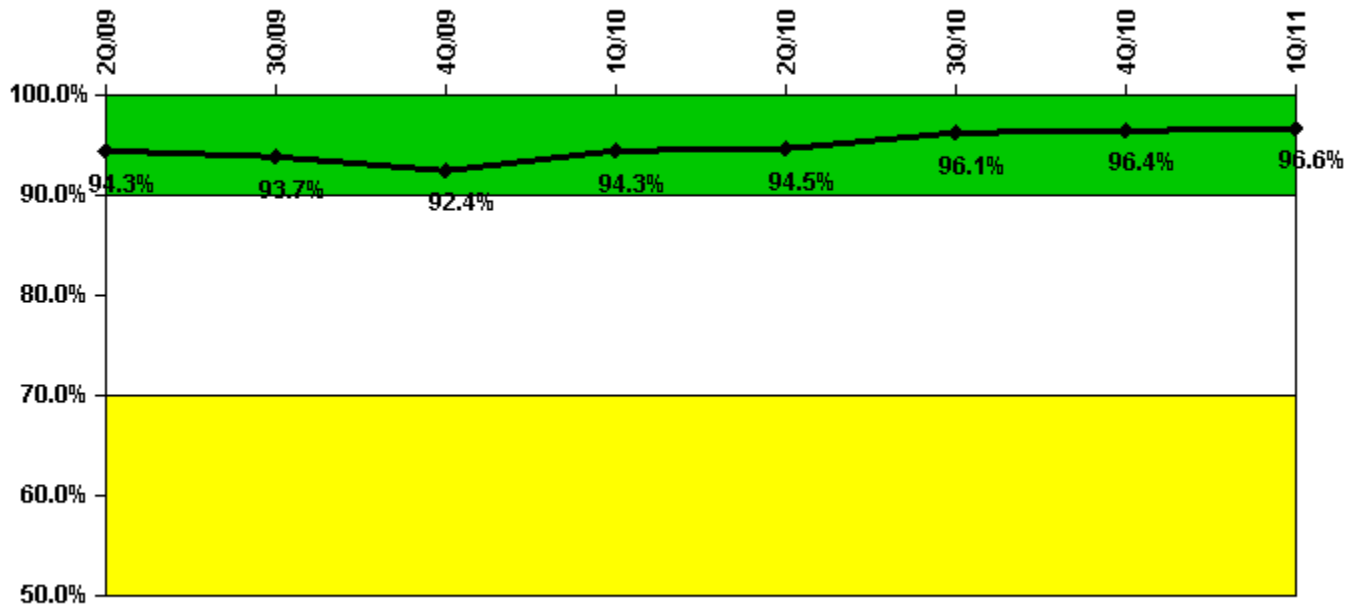
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.074	0.225	0.241	0.250	0.377	0.985	1.183	1.436	0.112	0.122	0.110	0.102
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	2.3	2.4	2.5	3.8	9.9	11.8	14.4	1.1	1.2	1.1	1.0
Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.086	0.084	0.078	0.087	0.090	0.102	0.076	0.080	0.100	0.106	0.092	0.099
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.8	0.8	0.9	0.9	1.0	0.8	0.8	1.0	1.1	0.9	1.0

Licensee Comments: none

Drill/Exercise Performance



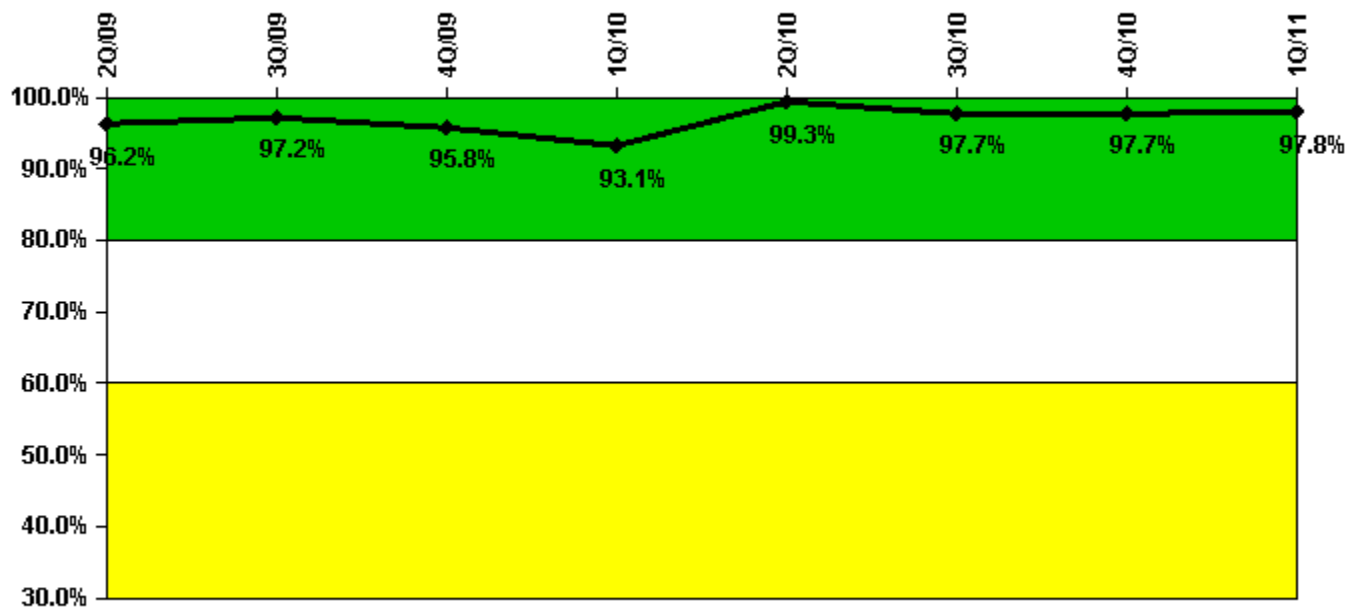
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	19.0	34.0	15.0	44.0	27.0	41.0	29.0	15.0
Total opportunities	20.0	35.0	18.0	44.0	28.0	42.0	30.0	15.0
Indicator value	94.3%	93.7%	92.4%	94.3%	94.5%	96.1%	96.4%	96.6%

Licensee Comments: none

ERO Drill Participation



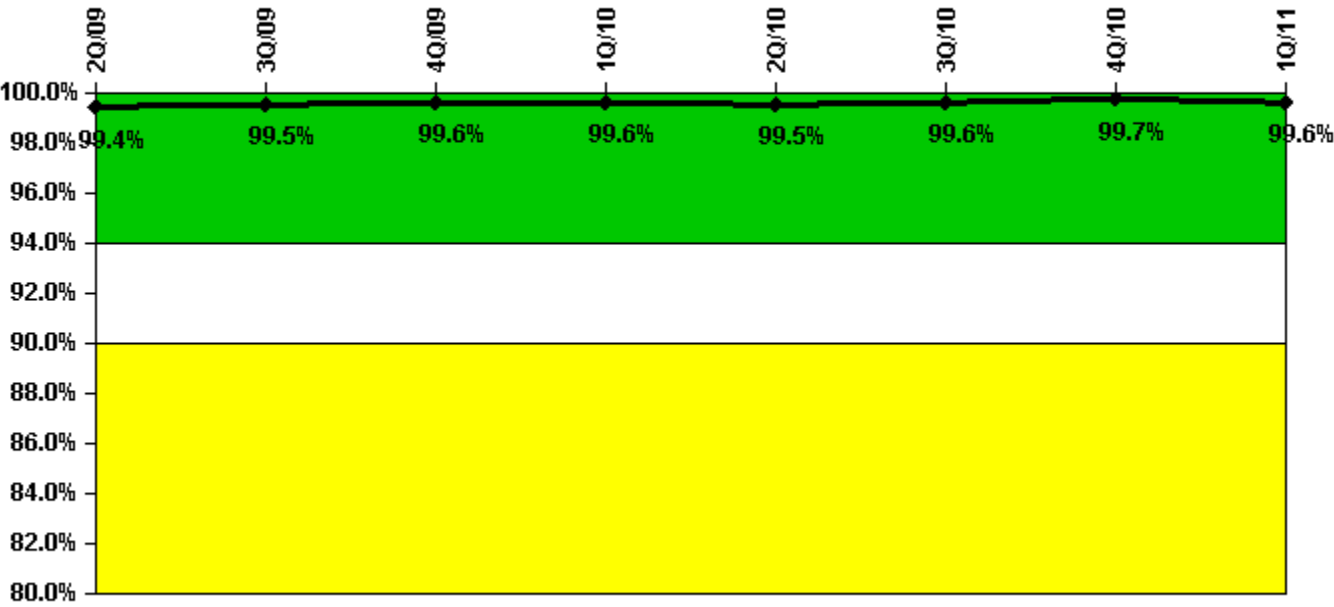
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	128.0	139.0	136.0	134.0	136.0	130.0	129.0	131.0
Total Key personnel	133.0	143.0	142.0	144.0	137.0	133.0	132.0	134.0
Indicator value	96.2%	97.2%	95.8%	93.1%	99.3%	97.7%	97.7%	97.8%

Licensee Comments: none

Alert & Notification System



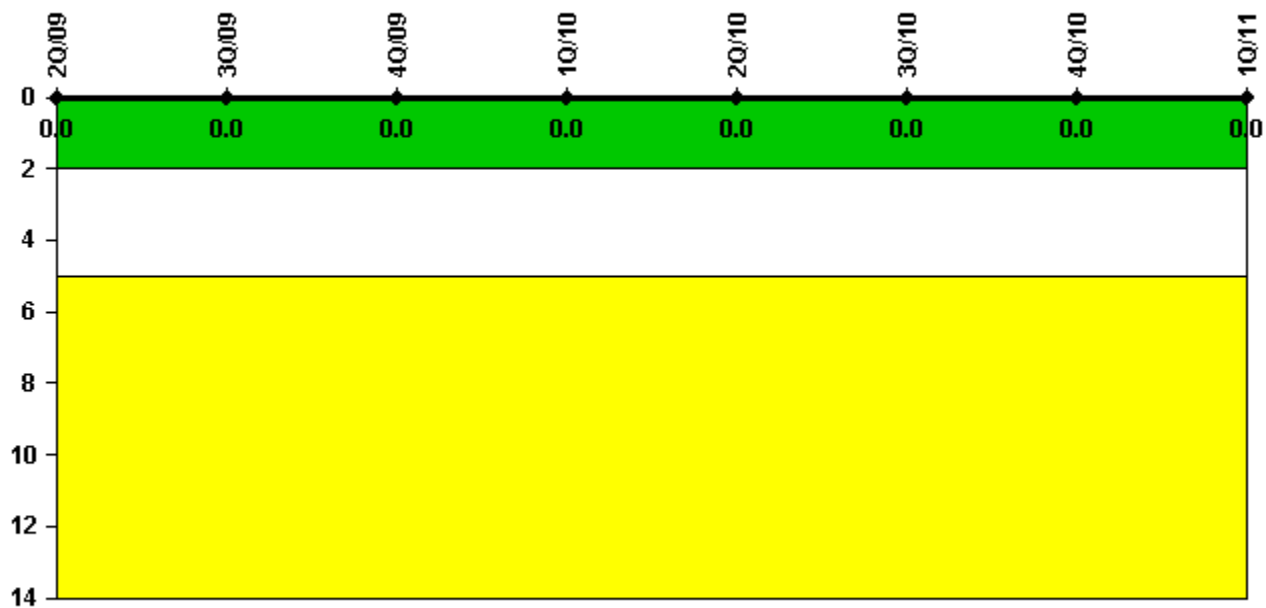
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	2401	2386	2485	2214	2394	2483	2400	2387
Total sirens-tests	2403	2403	2492	2225	2403	2492	2403	2403
Indicator value	99.4%	99.5%	99.6%	99.6%	99.5%	99.6%	99.7%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



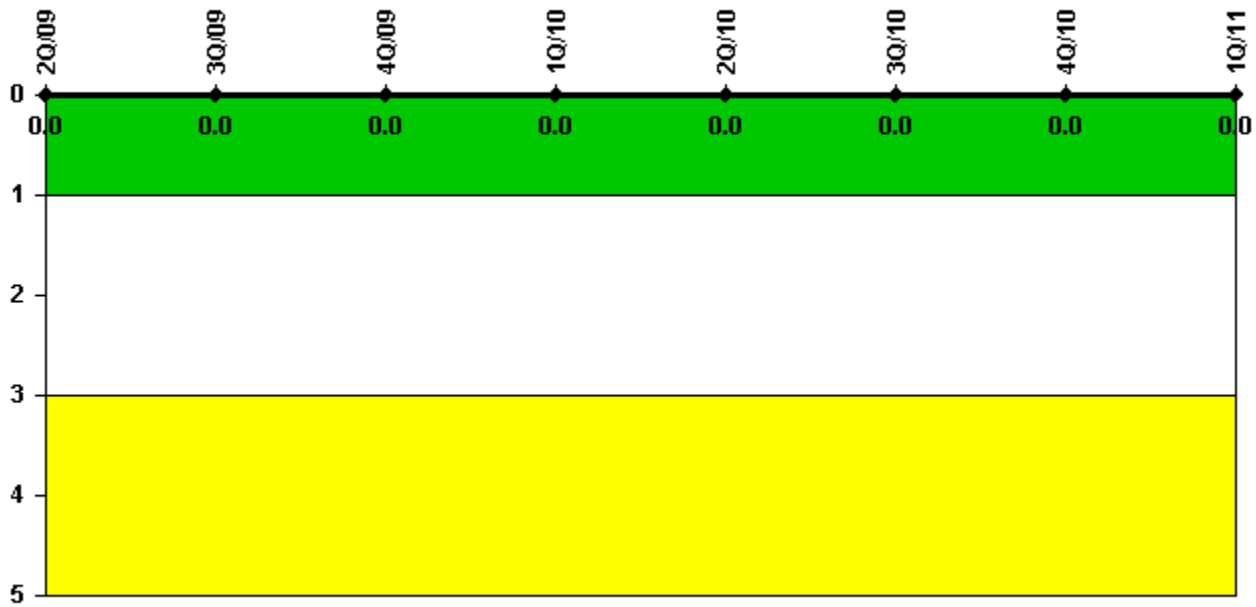
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Security](#) information not publicly available.


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

Last Modified: July 6, 2011

Catawba 1

2Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



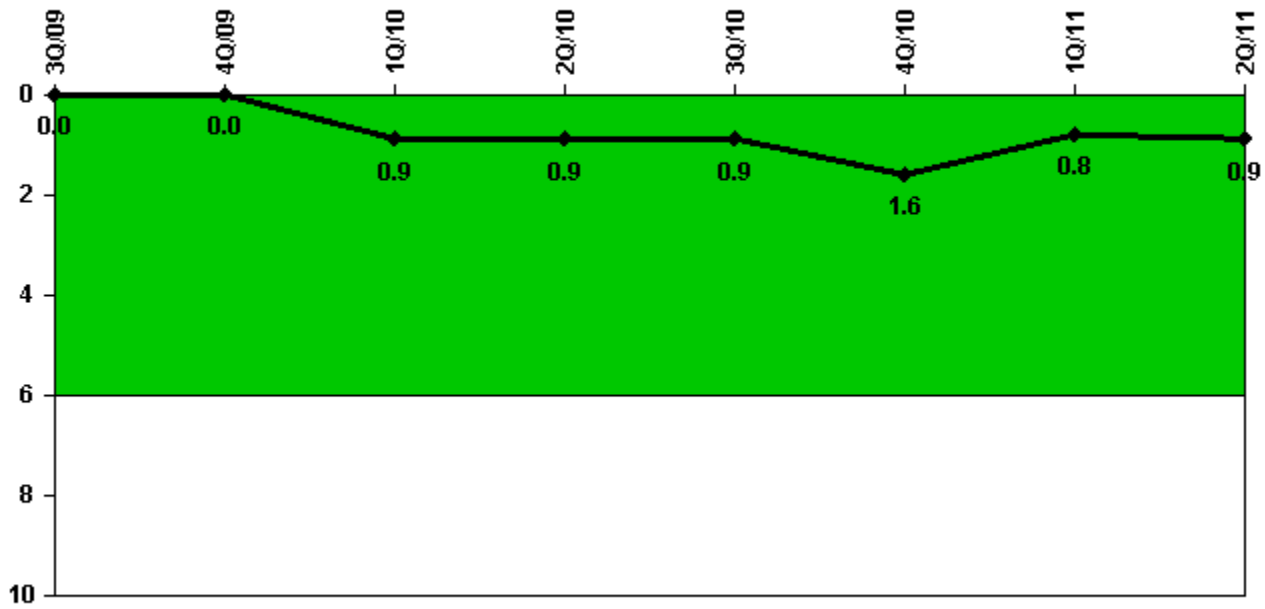
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1307.5	2034.5	2184.0	2208.0	2209.0	2159.0	1169.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



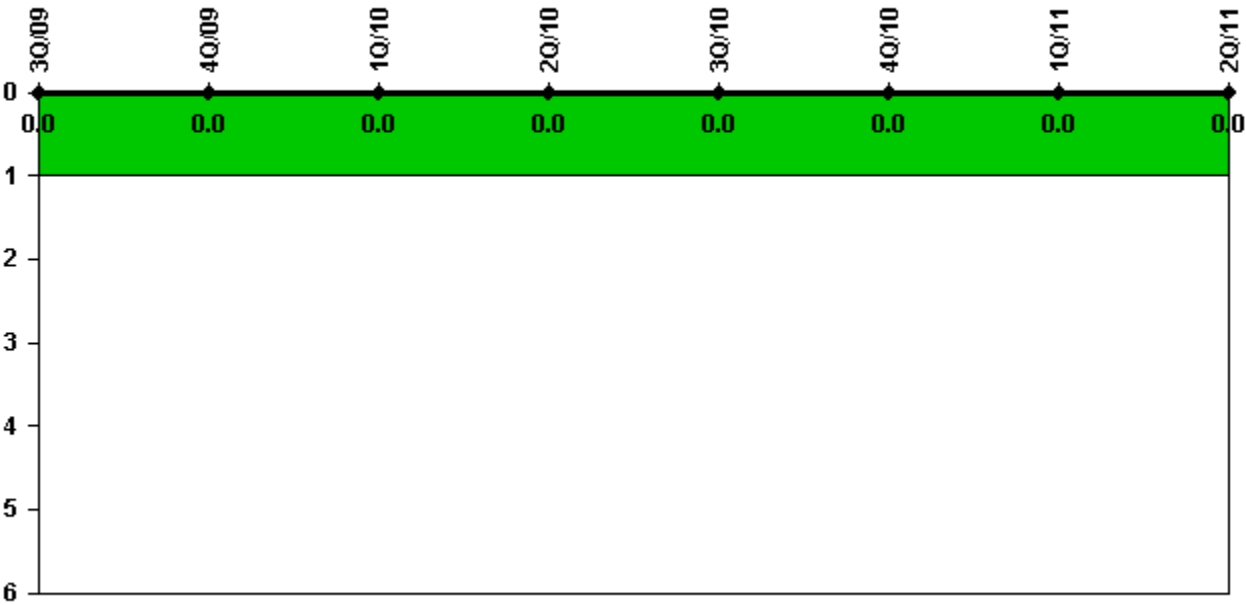
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	2208.0	1307.5	2034.5	2184.0	2208.0	2209.0	2159.0	1169.0
Indicator value	0	0	0.9	0.9	0.9	1.6	0.8	0.9

Licensee Comments: none

Unplanned Scrams with Complications



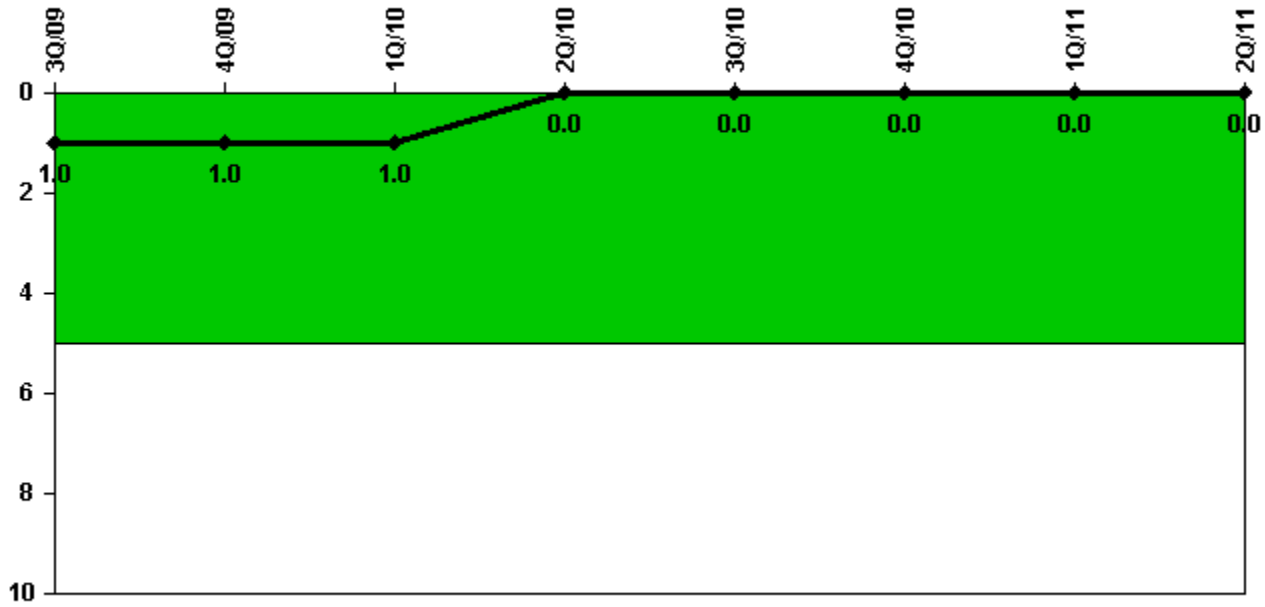
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	0	0	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



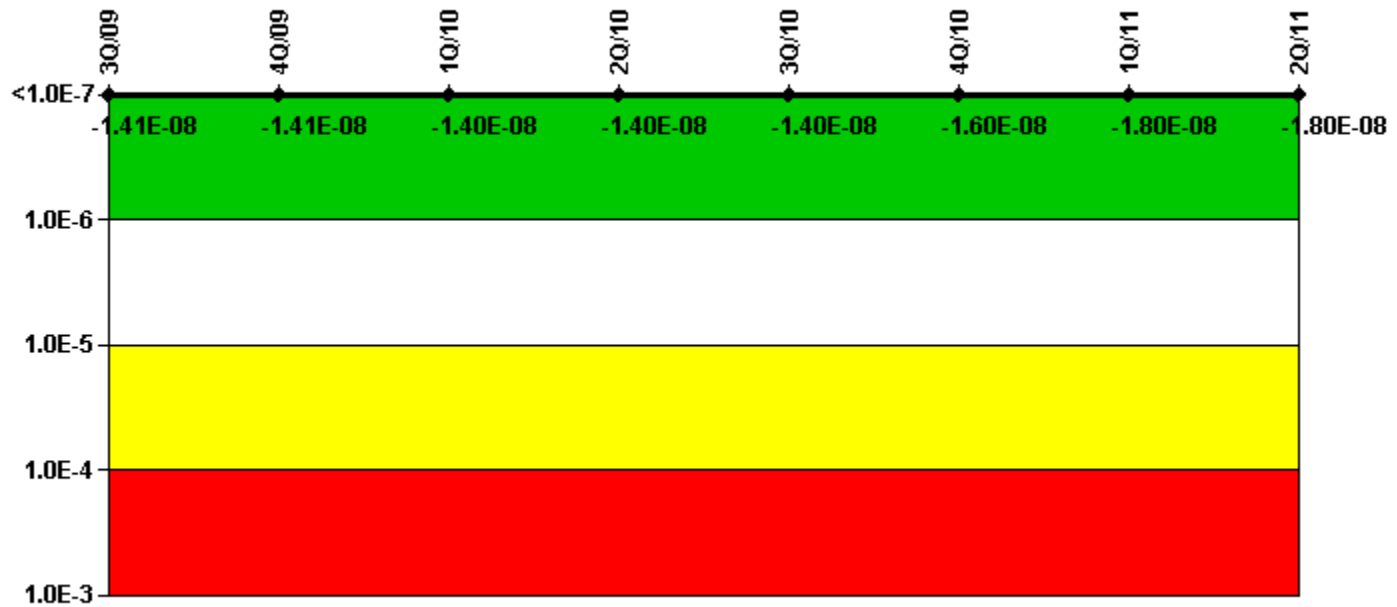
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-1.50E-08	-1.60E-08	-1.54E-08	-3.49E-08	2.43E-08	3.12E-08	4.86E-08	7.11E-08
URI (Δ CDF)	-8.30E-08	-1.90E-07	-1.91E-07	-3.00E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.80E-08	-2.06E-07	-2.10E-07	-3.30E-07	-2.70E-07	-2.70E-07	-2.50E-07	-2.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



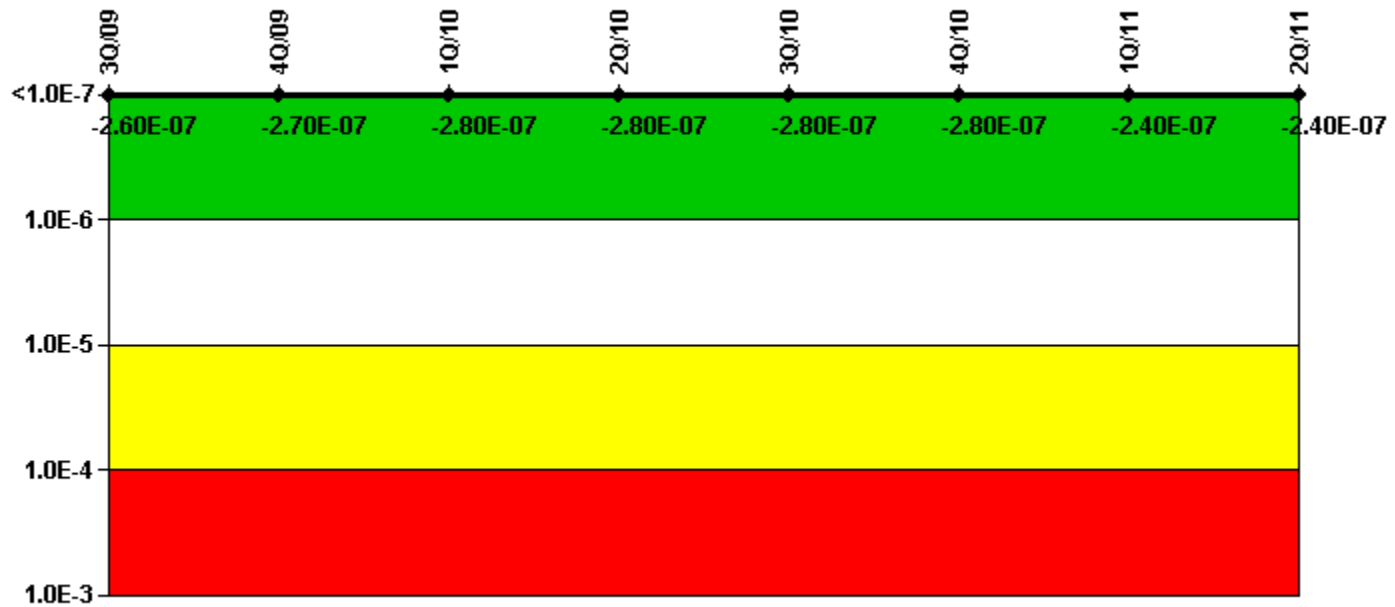
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-3.10E-09	-3.10E-09	-3.11E-09	-3.11E-09	-3.12E-09	-3.28E-09	-4.44E-09	-4.44E-09
URI (Δ CDF)	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.07E-08	-1.32E-08	-1.32E-08	-1.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.41E-08	-1.41E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.60E-08	-1.80E-08	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



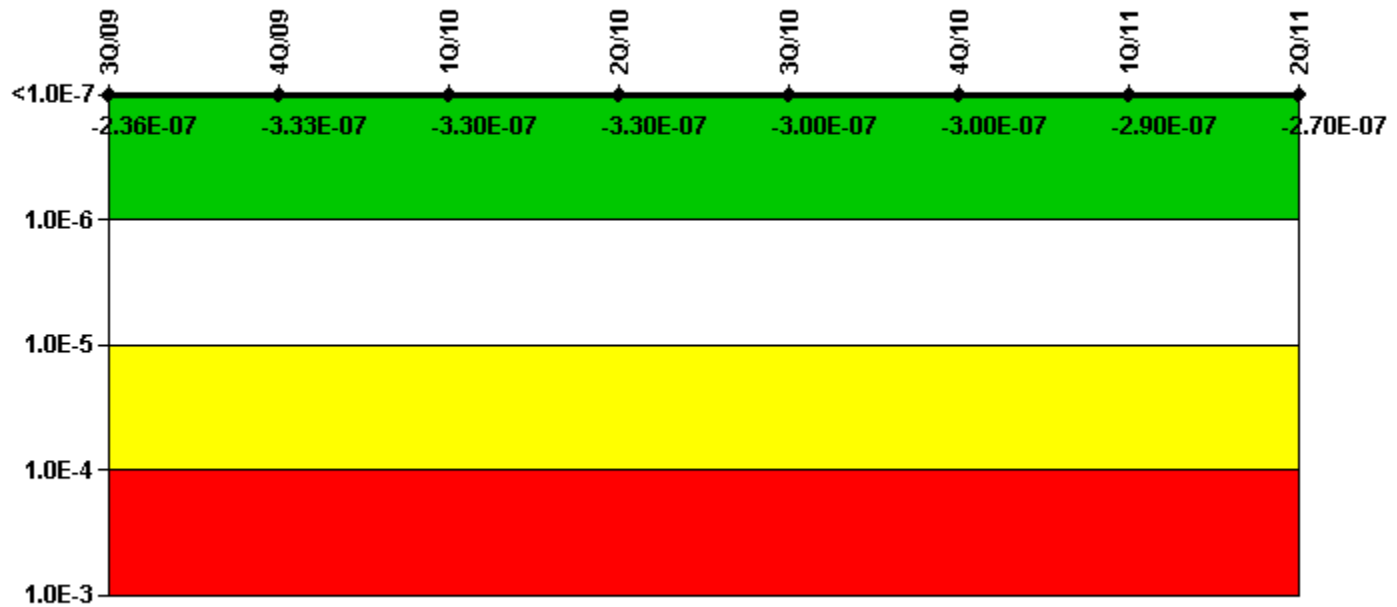
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	5.23E-08	5.04E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	8.11E-08	8.00E-08
URI (Δ CDF)	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.17E-07	-3.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.60E-07	-2.70E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.40E-07	-2.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



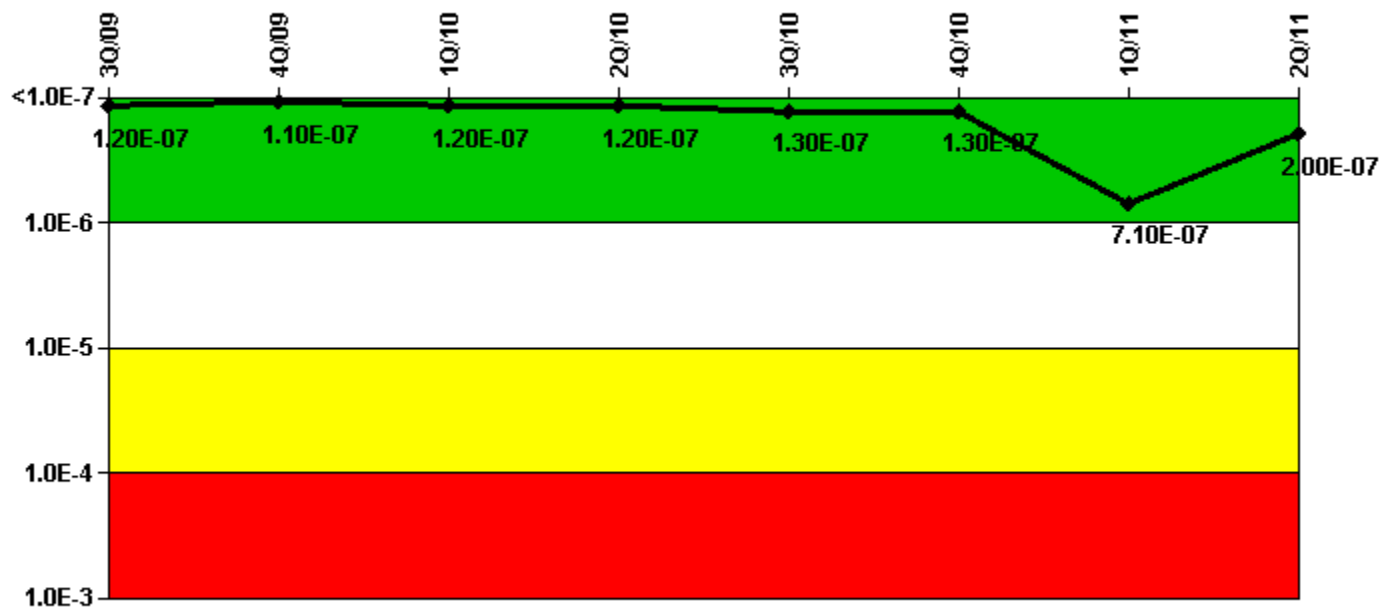
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	4.40E-08	-5.30E-08	-5.29E-08	-5.29E-08	-2.45E-08	-2.18E-08	-1.43E-08	1.26E-08
URI (Δ CDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.36E-07	-3.33E-07	-3.30E-07	-3.30E-07	-3.00E-07	-3.00E-07	-2.90E-07	-2.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



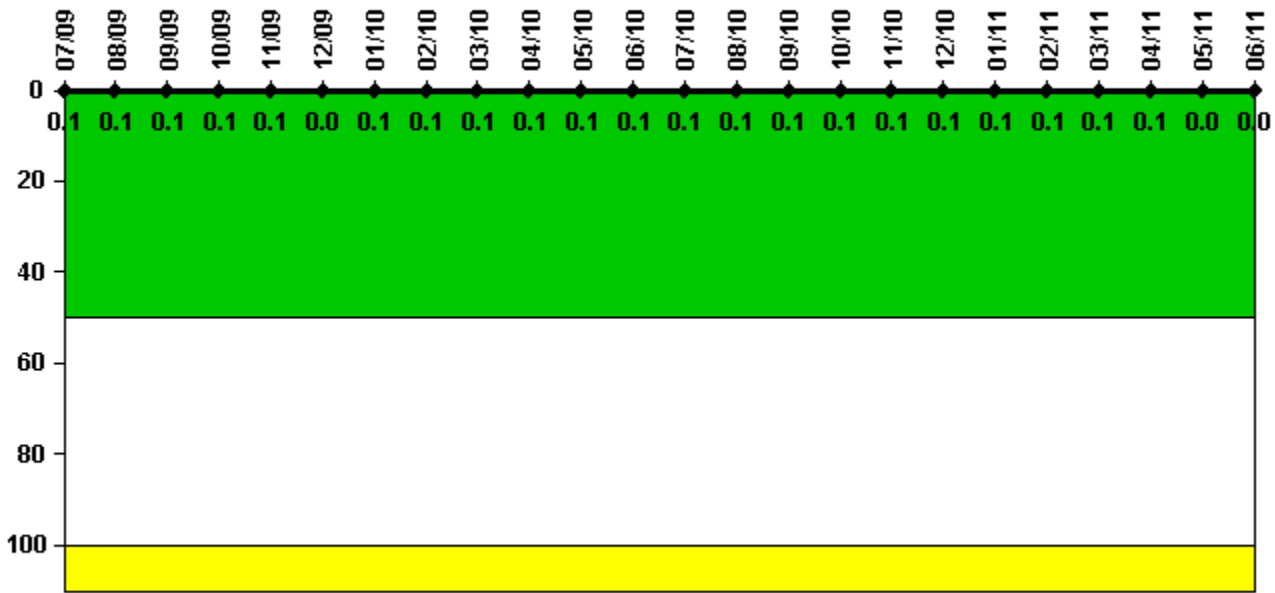
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	2.30E-07	2.20E-07	2.28E-07	2.28E-07	2.40E-07	2.40E-07	8.22E-07	3.13E-07
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-07	1.10E-07	1.20E-07	1.20E-07	1.30E-07	1.30E-07	7.10E-07	2.00E-07

Licensee Comments: none

Reactor Coolant System Activity



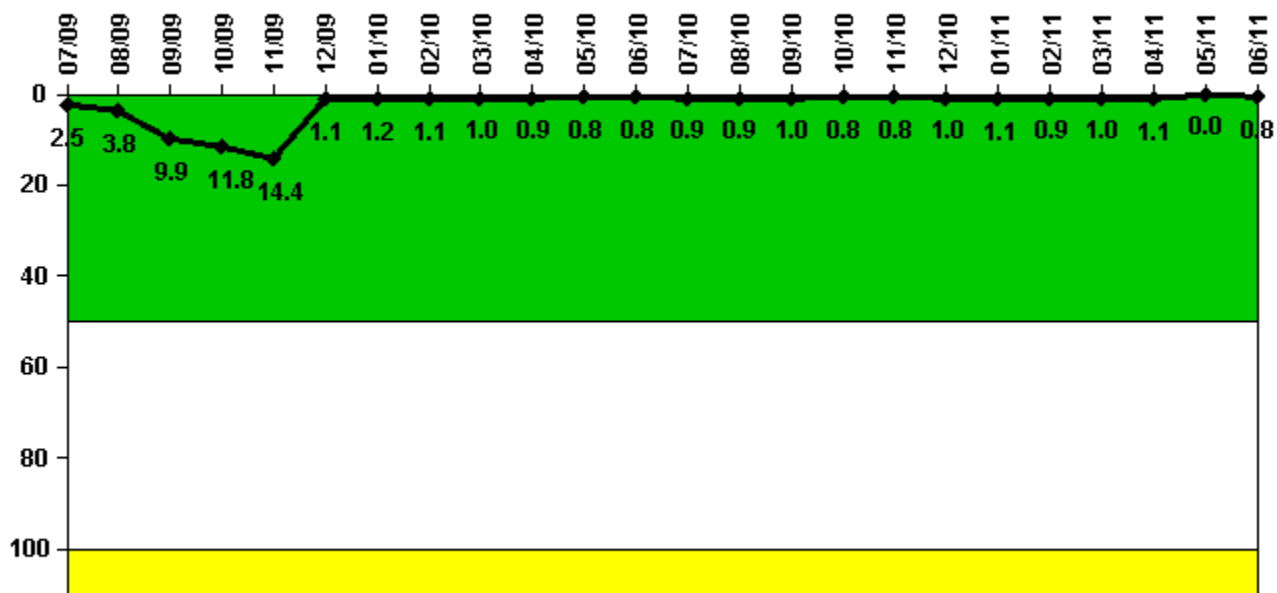
Thresholds: White > 50.0 Yellow > 100.0

Notes

[illegible]

Licensee Comments: none

Reactor Coolant System Leakage



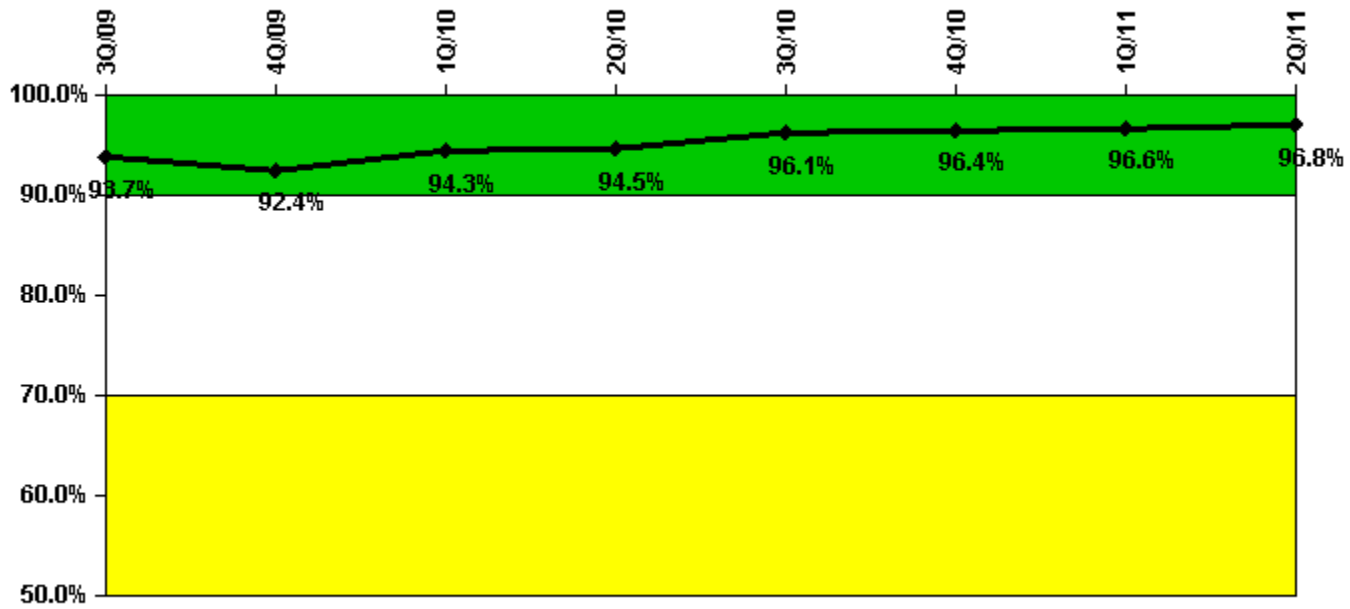
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.250	0.377	0.985	1.183	1.436	0.112	0.122	0.110	0.102	0.086	0.084	0.078
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.5	3.8	9.9	11.8	14.4	1.1	1.2	1.1	1.0	0.9	0.8	0.8
Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.087	0.090	0.102	0.076	0.080	0.100	0.106	0.092	0.099	0.109	0	0.078
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	1.0	0.8	0.8	1.0	1.1	0.9	1.0	1.1	0	0.8

Licensee Comments: none

Drill/Exercise Performance



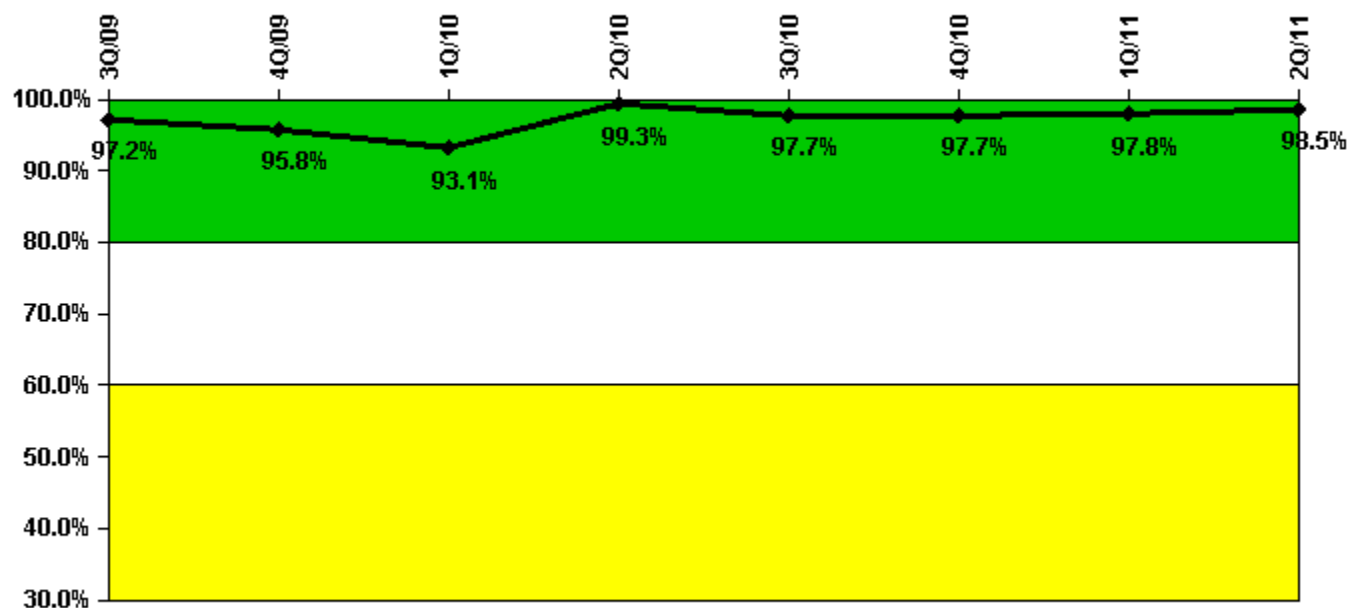
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	34.0	15.0	44.0	27.0	41.0	29.0	15.0	6.0
Total opportunities	35.0	18.0	44.0	28.0	42.0	30.0	15.0	6.0
Indicator value	93.7%	92.4%	94.3%	94.5%	96.1%	96.4%	96.6%	96.8%

Licensee Comments: none

ERO Drill Participation



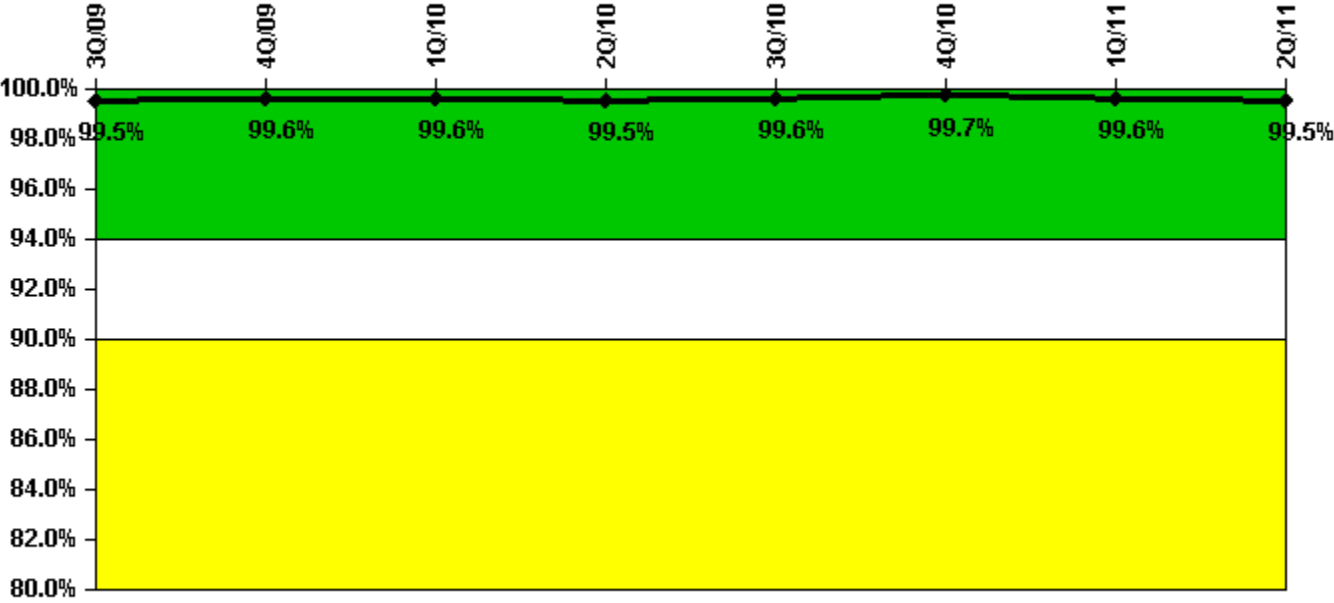
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	139.0	136.0	134.0	136.0	130.0	129.0	131.0	133.0
Total Key personnel	143.0	142.0	144.0	137.0	133.0	132.0	134.0	135.0
Indicator value	97.2%	95.8%	93.1%	99.3%	97.7%	97.7%	97.8%	98.5%

Licensee Comments: none

Alert & Notification System



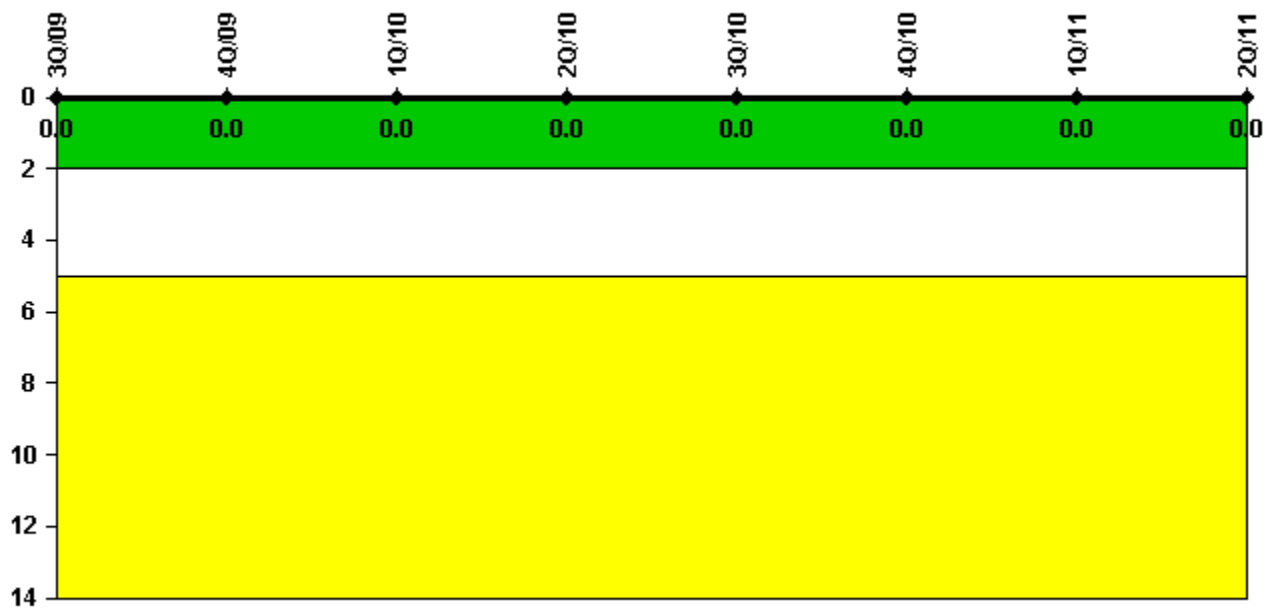
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	2386	2485	2214	2394	2483	2400	2387	2378
Total sirens-tests	2403	2492	2225	2403	2492	2403	2403	2403
Indicator value	99.5%	99.6%	99.6%	99.5%	99.6%	99.7%	99.6%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



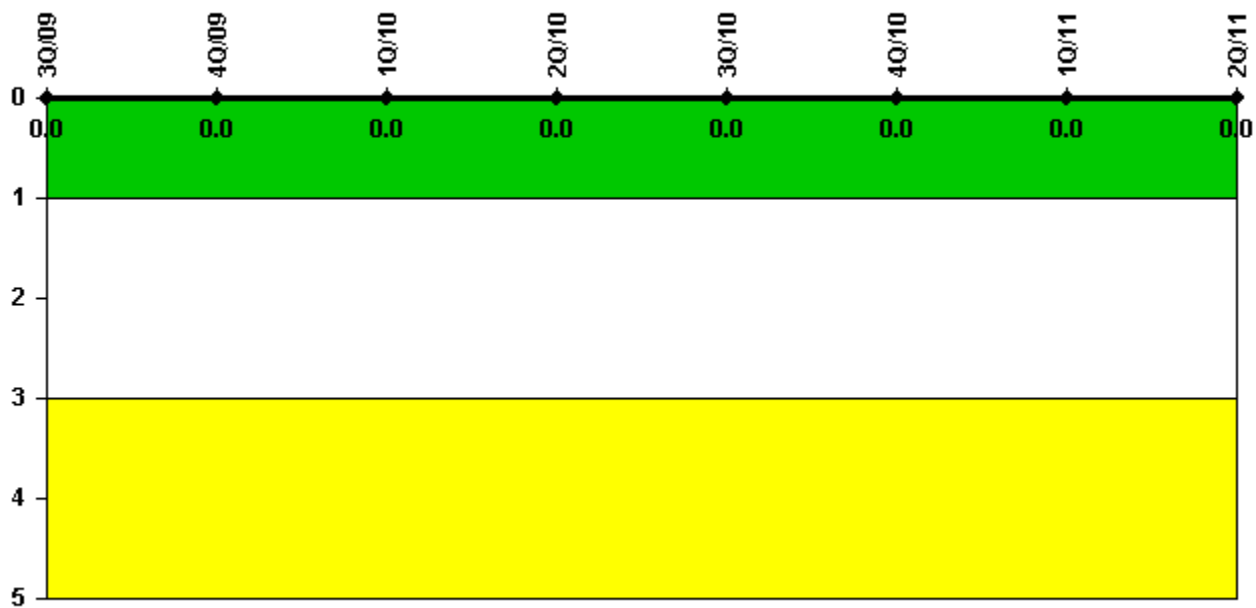
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Security](#) information not publicly available.

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3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



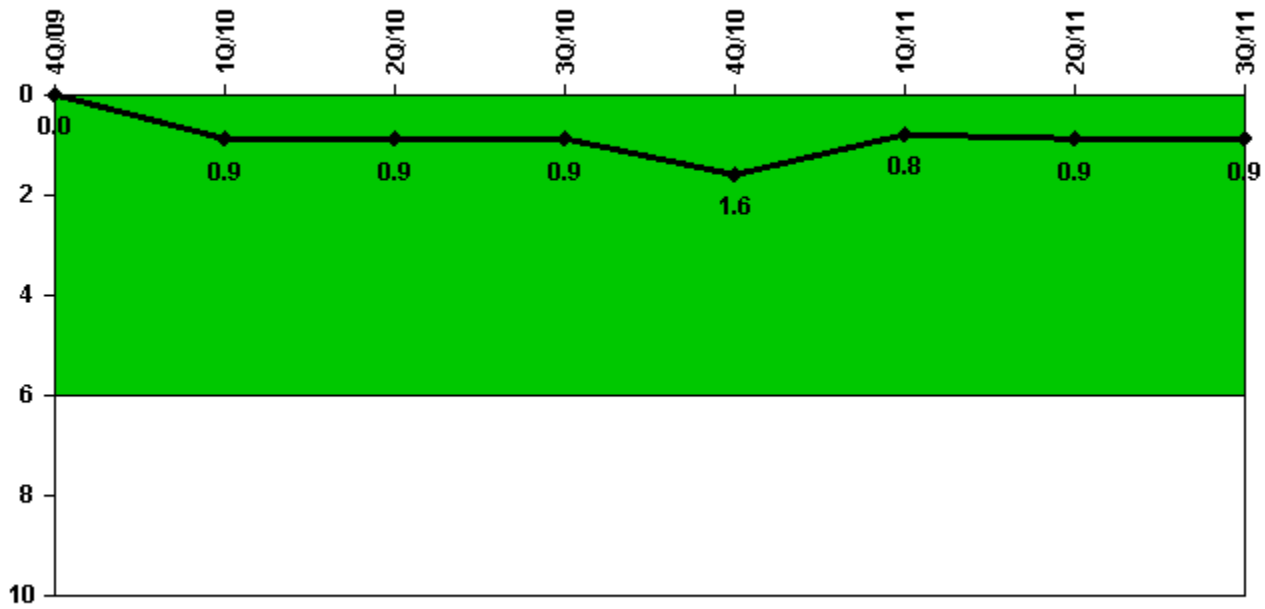
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1307.5	2034.5	2184.0	2208.0	2209.0	2159.0	1169.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



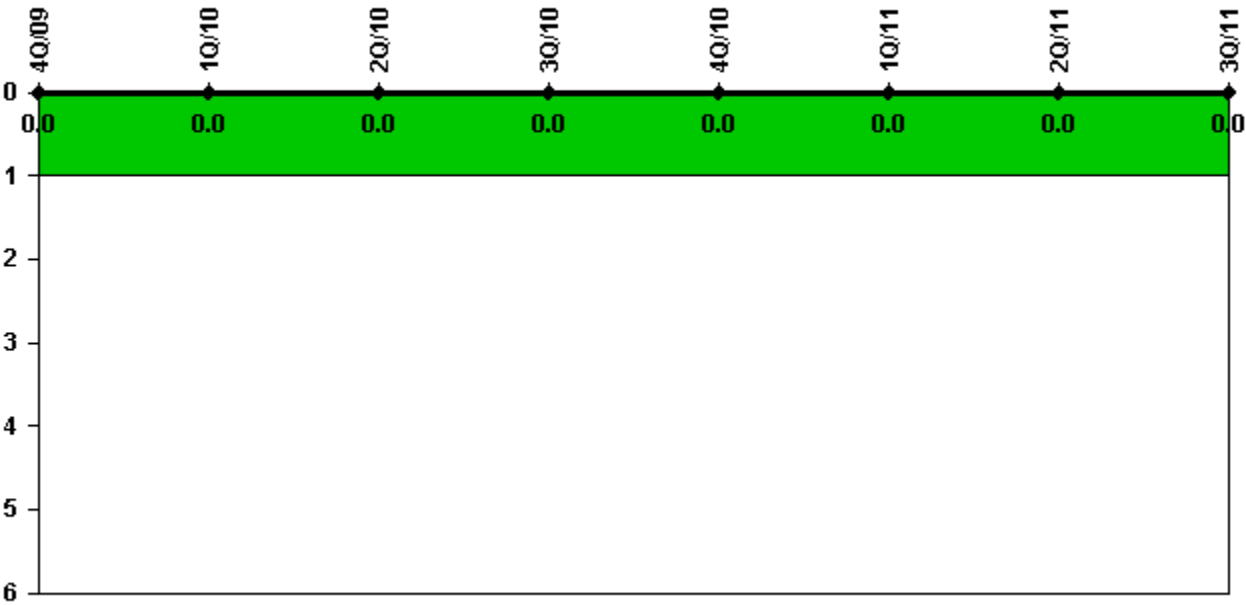
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	1.0	0	0	1.0	0	0	0
Critical hours	1307.5	2034.5	2184.0	2208.0	2209.0	2159.0	1169.0	2208.0
Indicator value	0	0.9	0.9	0.9	1.6	0.8	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



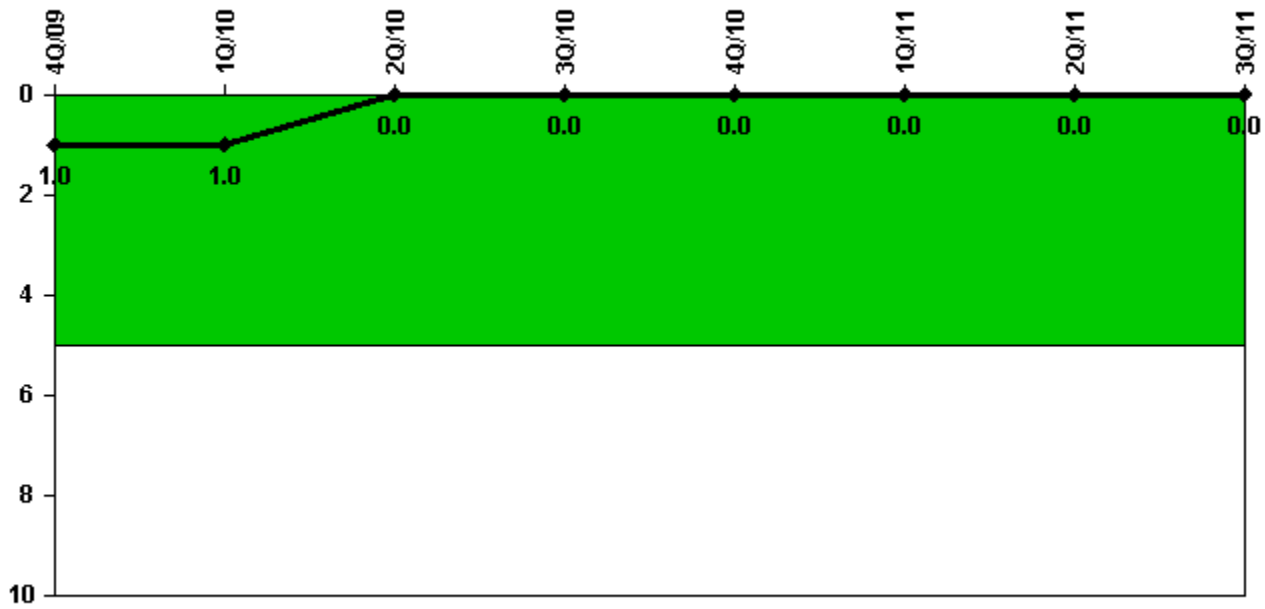
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



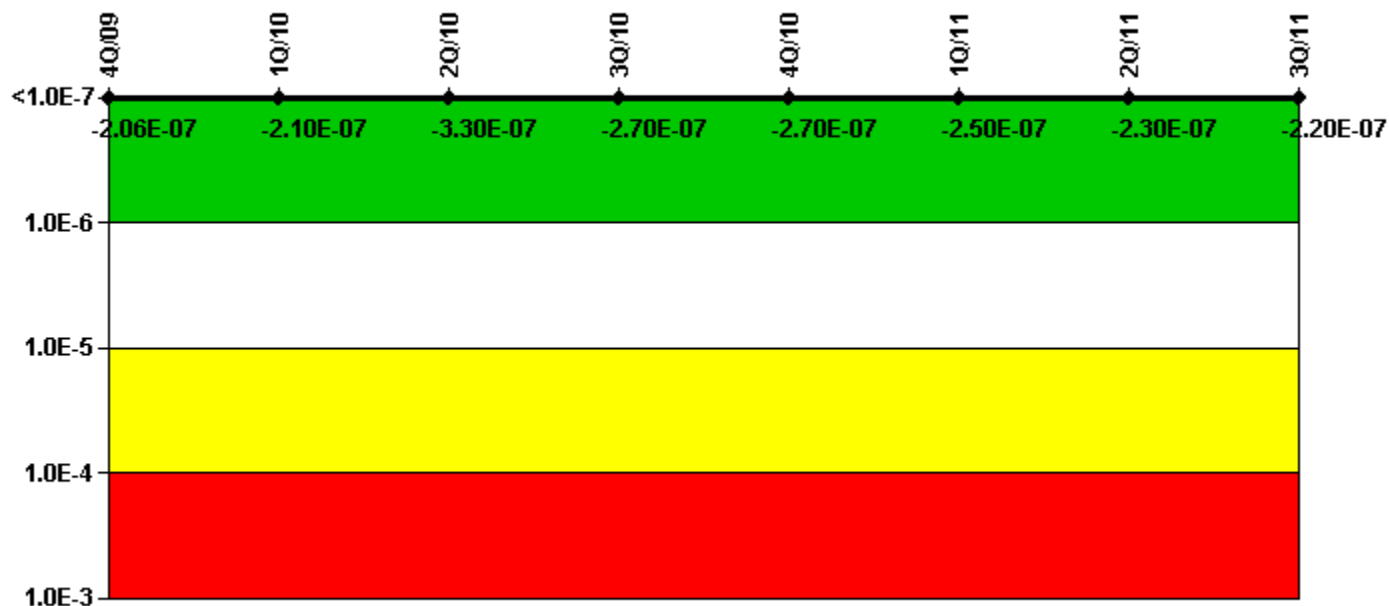
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	0	0	0	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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-1.60E-08	-1.54E-08	-3.49E-08	2.43E-08	3.12E-08	4.86E-08	7.11E-08	7.97E-08
URI (Δ CDF)	-1.90E-07	-1.91E-07	-3.00E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.06E-07	-2.10E-07	-3.30E-07	-2.70E-07	-2.70E-07	-2.50E-07	-2.30E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



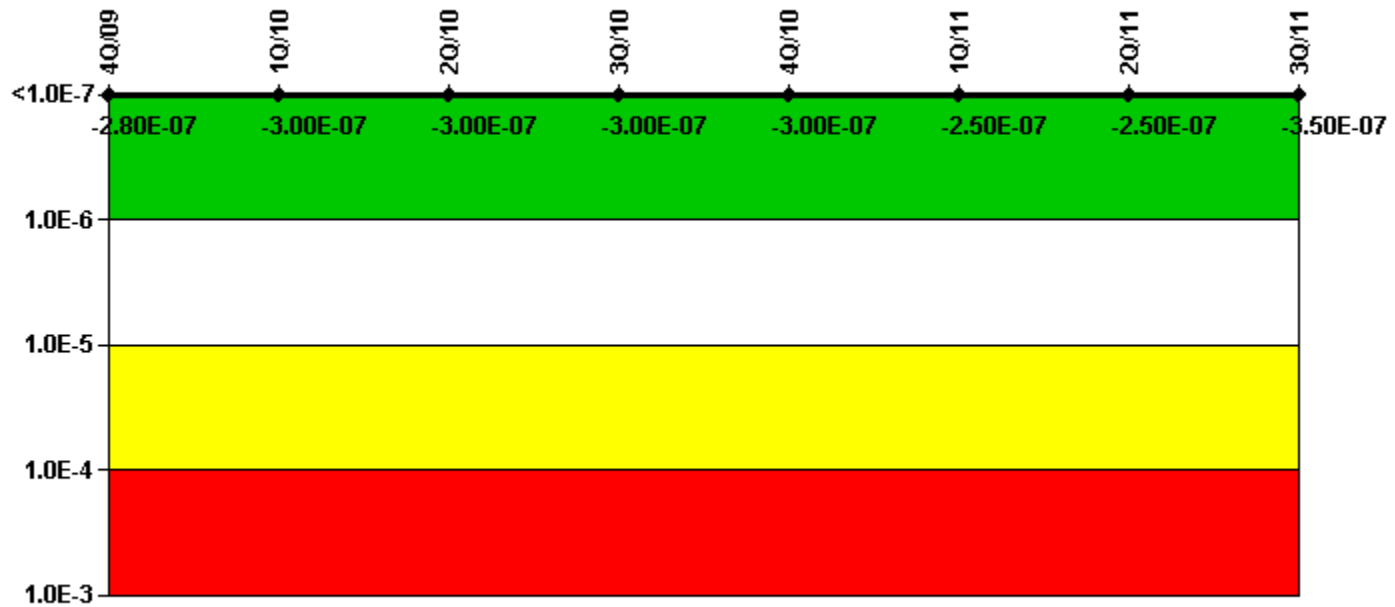
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-3.10E-09	-3.11E-09	-3.11E-09	-3.12E-09	-3.28E-09	-4.44E-09	-4.44E-09	-4.44E-09
URI (Δ CDF)	-1.10E-08	-1.07E-08	-1.07E-08	-1.07E-08	-1.32E-08	-1.32E-08	-1.32E-08	-1.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.41E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.60E-08	-1.80E-08	-1.80E-08	-1.80E-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/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	5.04E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	8.11E-08	8.00E-08	-4.06E-08
URI (Δ CDF)	-3.33E-07	-3.33E-07	-3.33E-07	-3.33E-07	-3.33E-07	-3.33E-07	-3.33E-07	-3.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07	-2.50E-07	-2.50E-07	-3.50E-07

Licensee Comments:

2Q/11: Changed PRA Parameter(s).

1Q/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: Changed PRA Parameter(s).

3Q/09: Changed PRA Parameter(s).

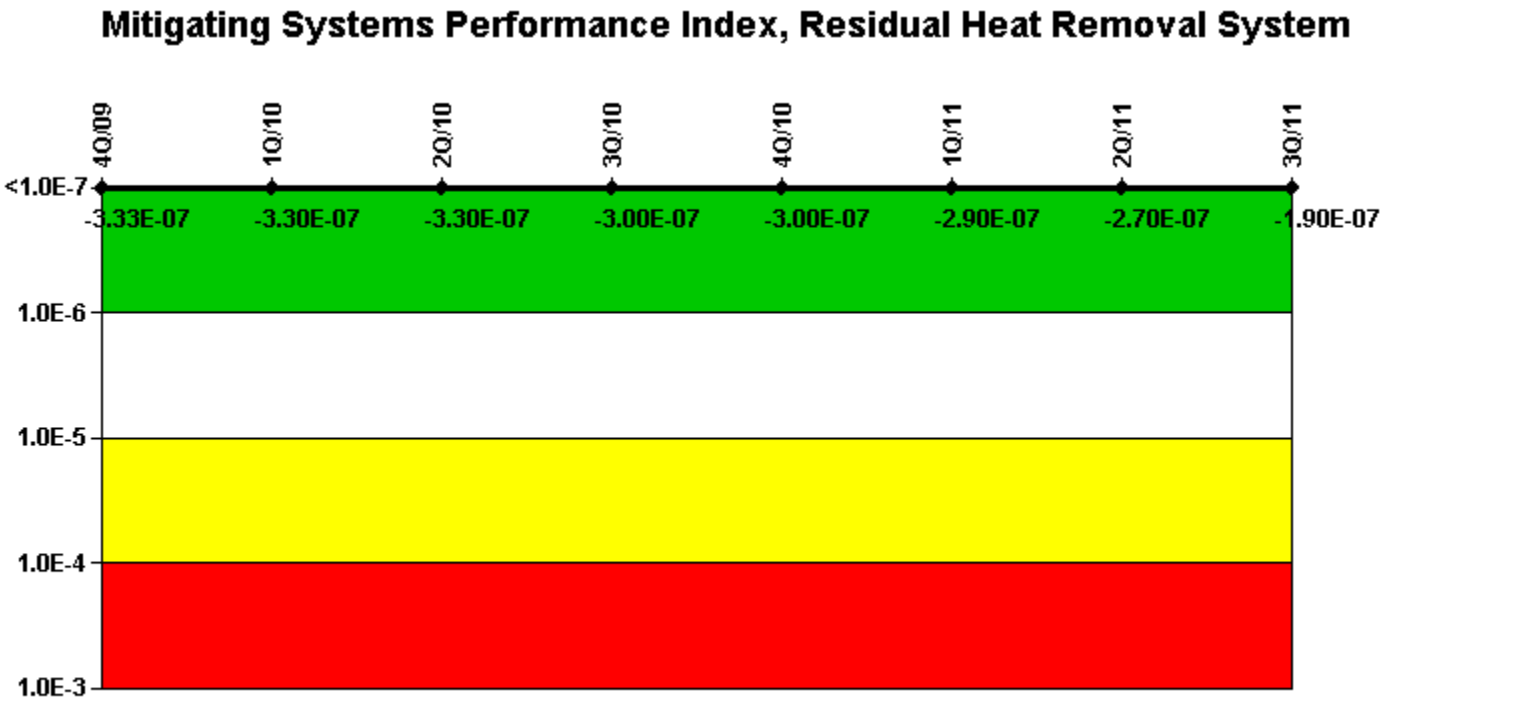
2Q/09: Changed PRA Parameter(s).

1Q/09: Changed PRA Parameter(s).

4Q/08: Changed PRA Parameter(s).

3Q/08: Changed PRA Parameter(s).

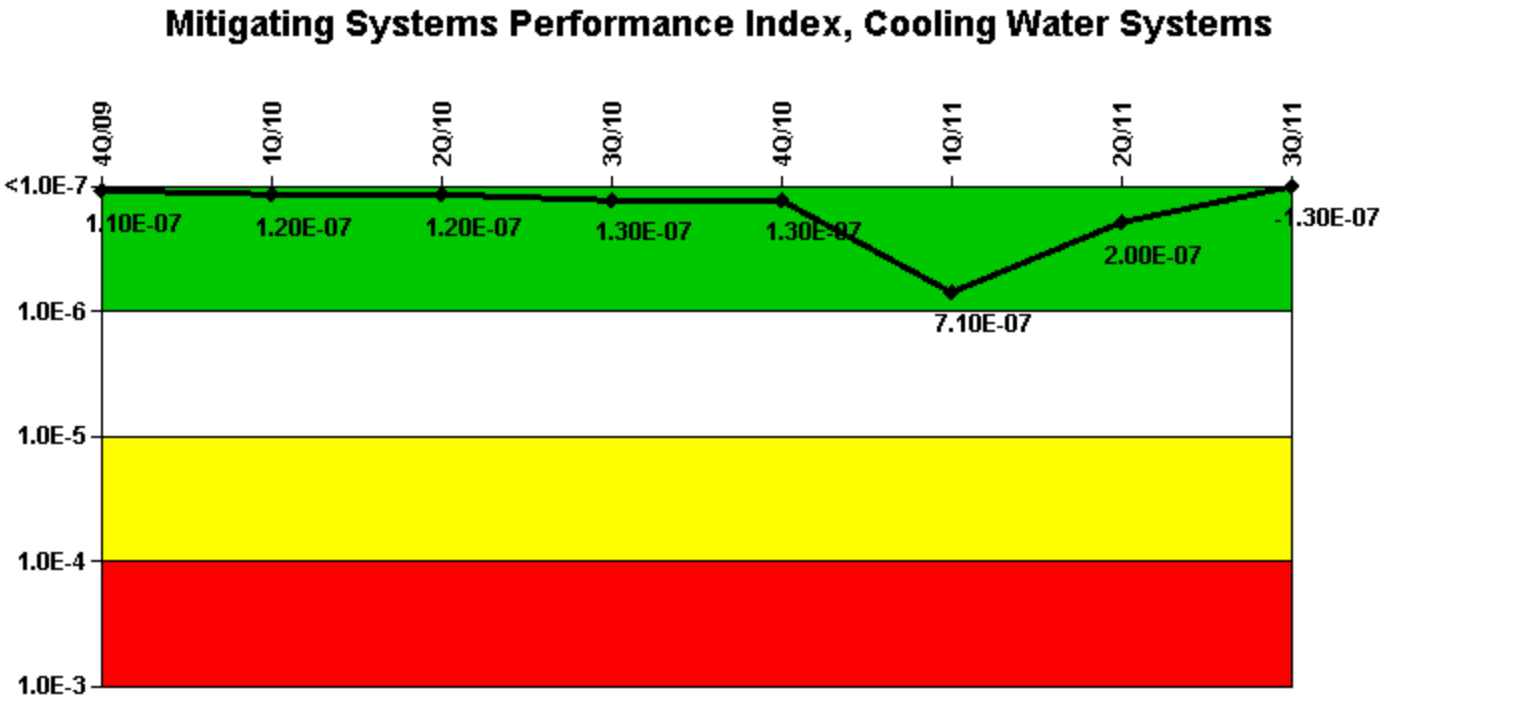
- 2Q/08: Changed PRA Parameter(s).
- 1Q/08: Changed PRA Parameter(s).
- 4Q/07: Changed PRA Parameter(s).
- 3Q/07: Changed PRA Parameter(s).
- 2Q/07: Changed PRA Parameter(s).
- 1Q/07: Changed PRA Parameter(s).
- 4Q/06: Changed PRA Parameter(s).
- 3Q/06: Changed PRA Parameter(s).
- 2Q/06: Changed PRA Parameter(s).



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 (ΔCDF)	-5.30E-08	-5.29E-08	-5.29E-08	-2.45E-08	-2.18E-08	-1.43E-08	1.26E-08	9.31E-08
URI (ΔCDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.33E-07	-3.30E-07	-3.30E-07	-3.00E-07	-3.00E-07	-2.90E-07	-2.70E-07	-1.90E-07

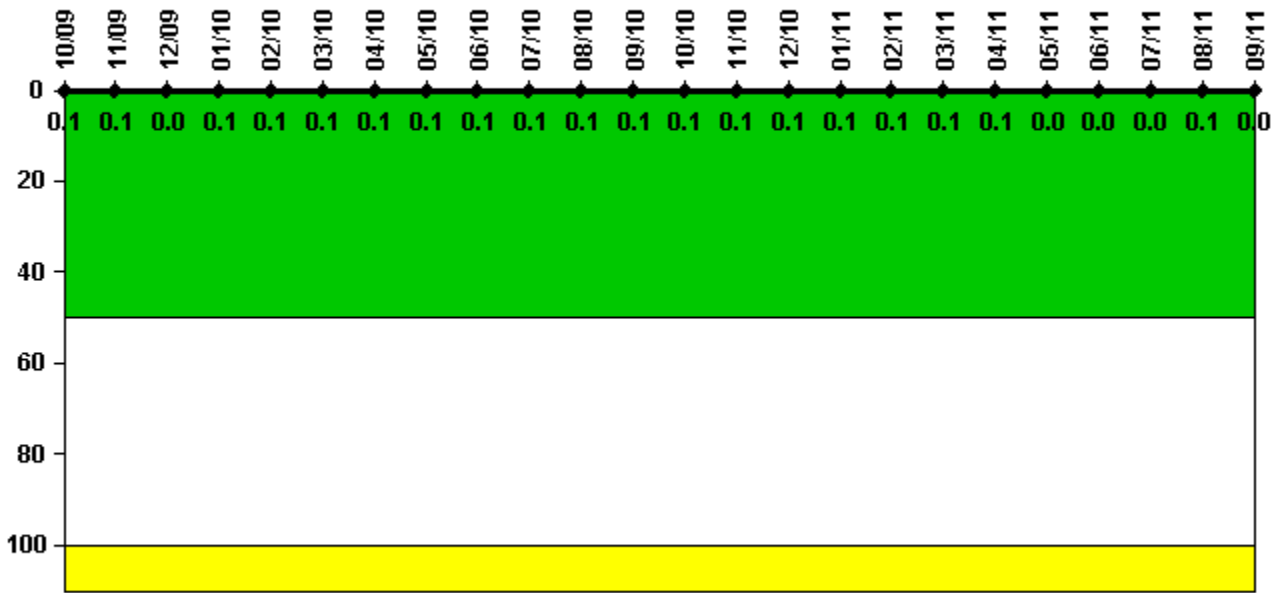


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	2.20E-07	2.28E-07	2.28E-07	2.40E-07	2.40E-07	8.22E-07	3.13E-07	-1.75E-08
URI (ΔCDF)	-1.10E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.10E-07	1.20E-07	1.20E-07	1.30E-07	1.30E-07	7.10E-07	2.00E-07	-1.30E-07

Reactor Coolant System Activity



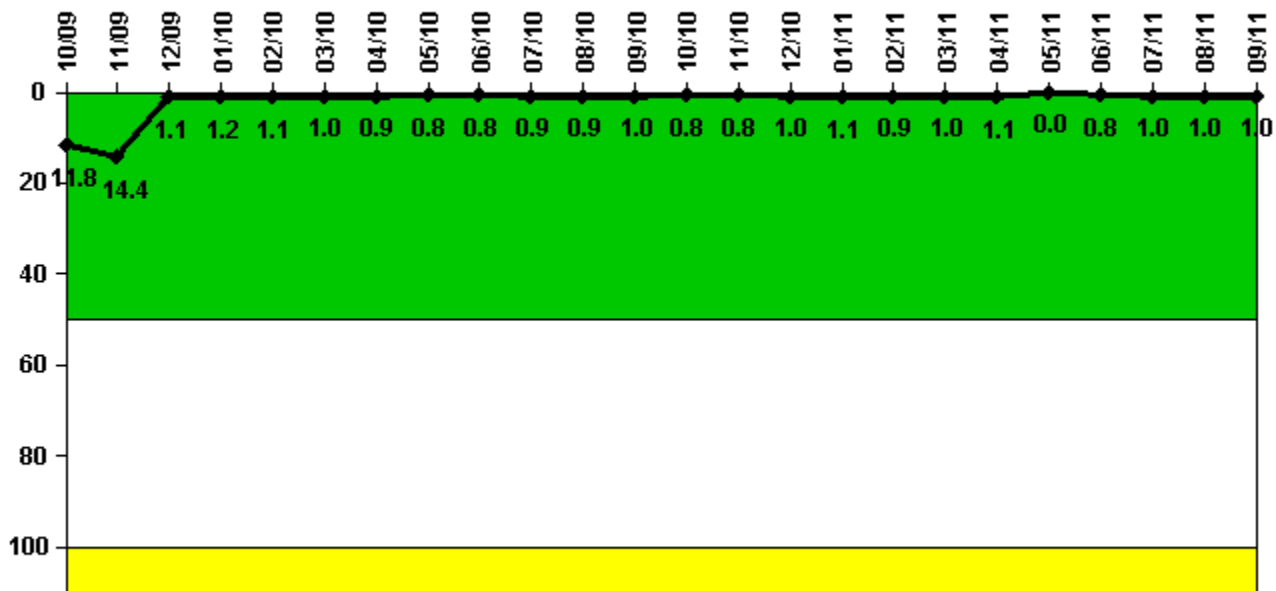
Thresholds: White > 50.0 Yellow > 100.0

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	0.000339	0.000339	0.000197	0.000244	0.000239	0.000230	0.000265	0.000320	0.000315	0.000407	0.000359	0.000378
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000369	0.000381	0.000382	0.000410	0.000393	0.000452	0.000468	0	0.000171	0.000185	0.000304	0.000204
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



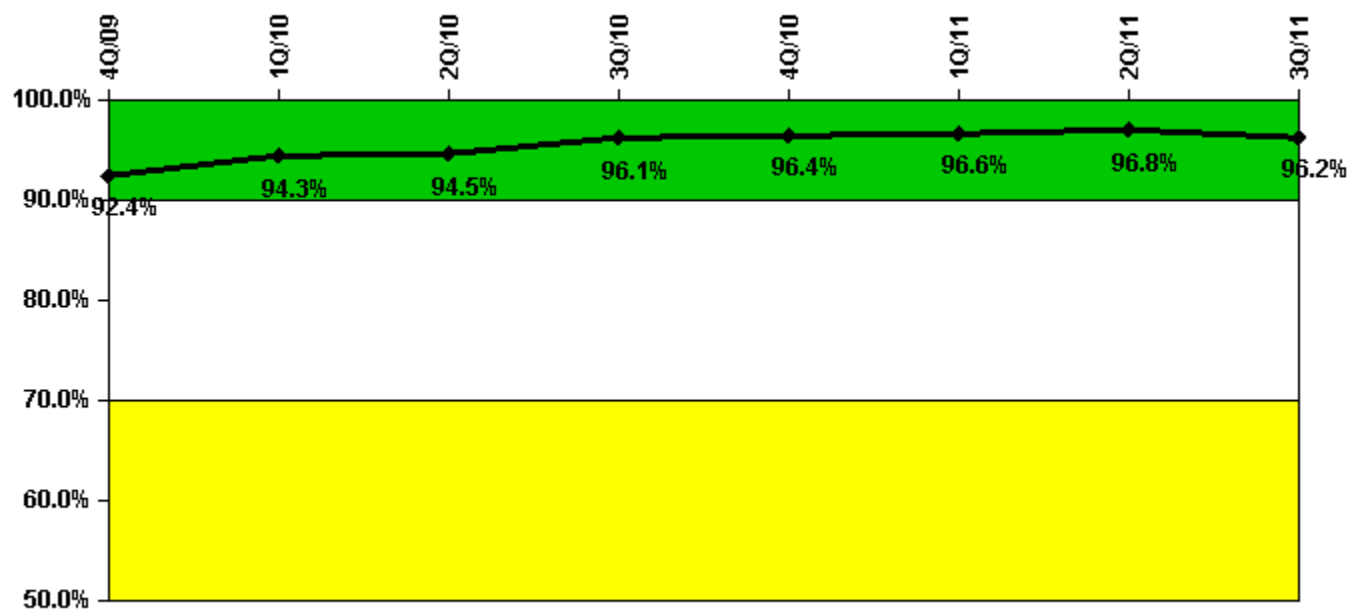
Thresholds: White > 50.0 Yellow > 100.0

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	1.183	1.436	0.112	0.122	0.110	0.102	0.086	0.084	0.078	0.087	0.090	0.102
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	11.8	14.4	1.1	1.2	1.1	1.0	0.9	0.8	0.8	0.9	0.9	1.0
Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.076	0.080	0.100	0.106	0.092	0.099	0.109	0	0.078	0.103	0.103	0.098
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.8	1.0	1.1	0.9	1.0	1.1	0	0.8	1.0	1.0	1.0

Licensee Comments: none

Drill/Exercise Performance



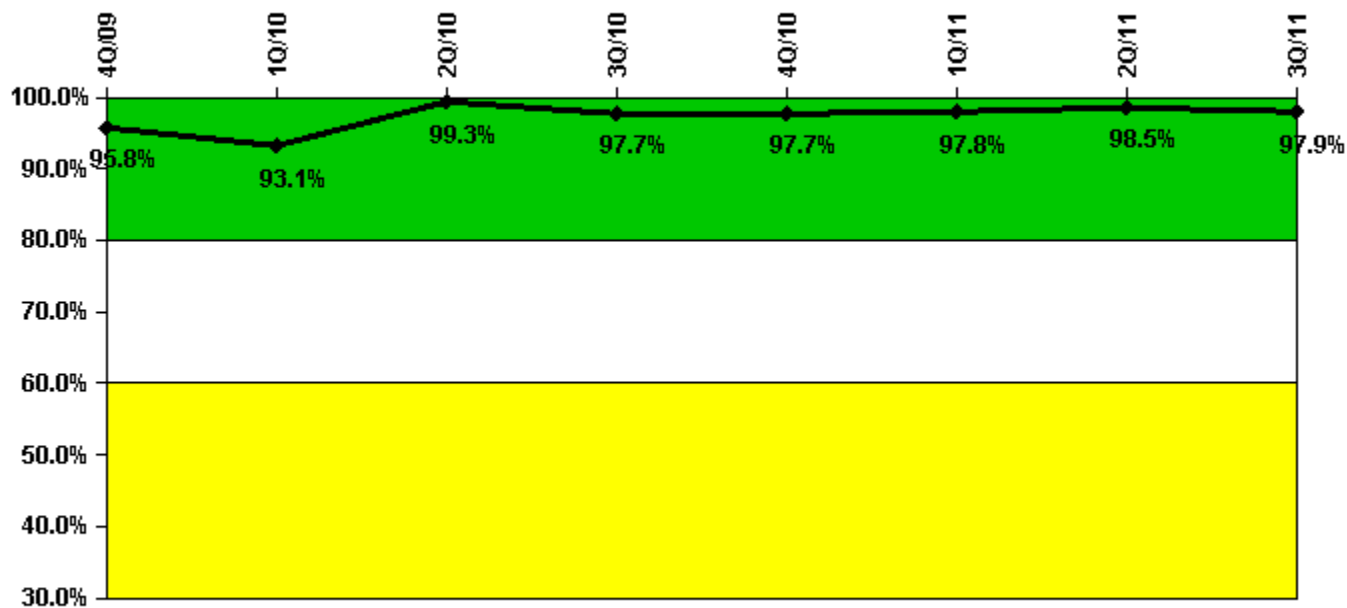
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	15.0	44.0	27.0	41.0	29.0	15.0	6.0	73.0
Total opportunities	18.0	44.0	28.0	42.0	30.0	15.0	6.0	77.0
Indicator value	92.4%	94.3%	94.5%	96.1%	96.4%	96.6%	96.8%	96.2%

Licensee Comments: none

ERO Drill Participation



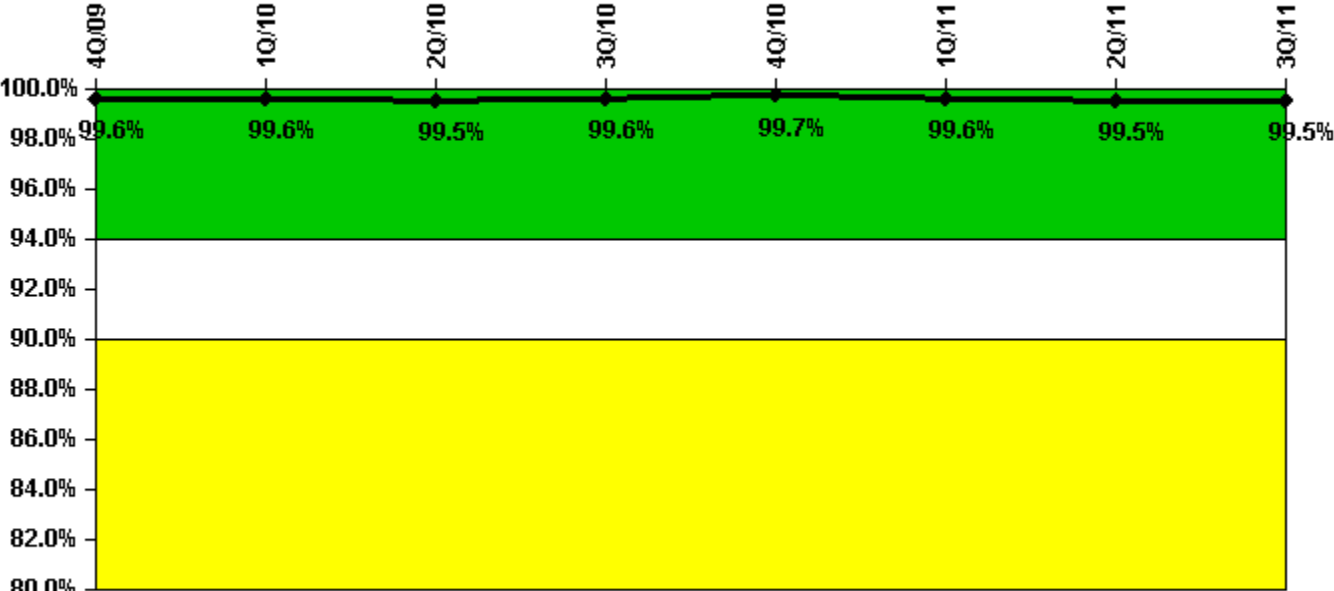
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	136.0	134.0	136.0	130.0	129.0	131.0	133.0	137.0
Total Key personnel	142.0	144.0	137.0	133.0	132.0	134.0	135.0	140.0
Indicator value	95.8%	93.1%	99.3%	97.7%	97.7%	97.8%	98.5%	97.9%

Licensee Comments: none

Alert & Notification System



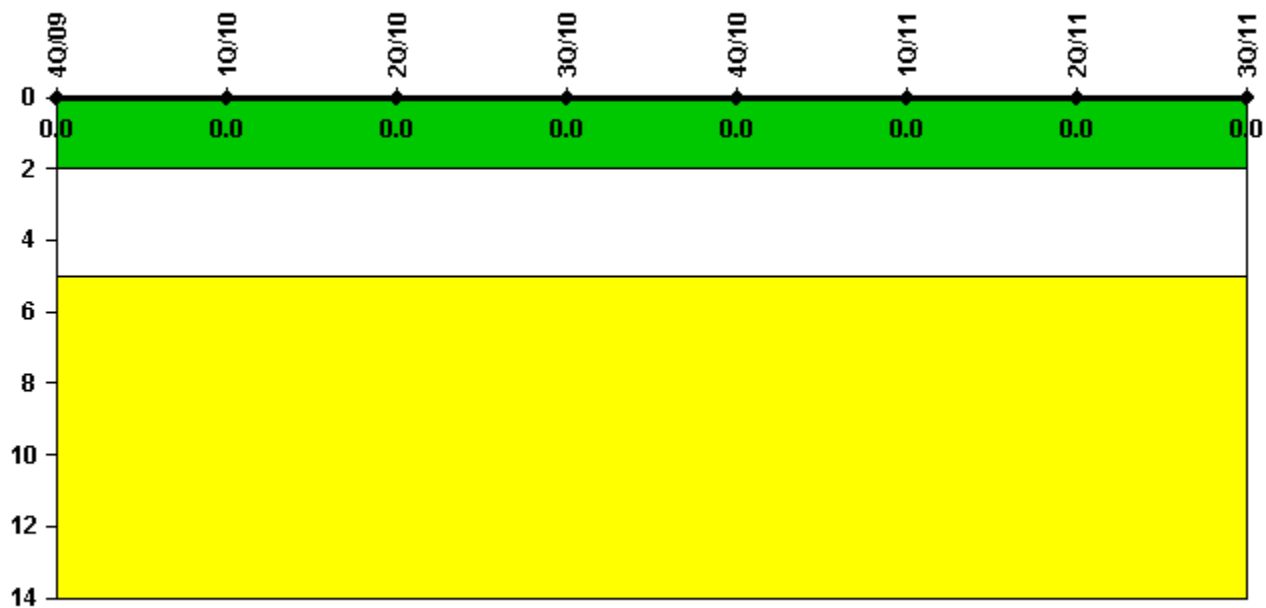
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	2485	2214	2394	2483	2400	2387	2378	2395
Total sirens-tests	2492	2225	2403	2492	2403	2403	2403	2403
Indicator value	99.6%	99.6%	99.5%	99.6%	99.7%	99.6%	99.5%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



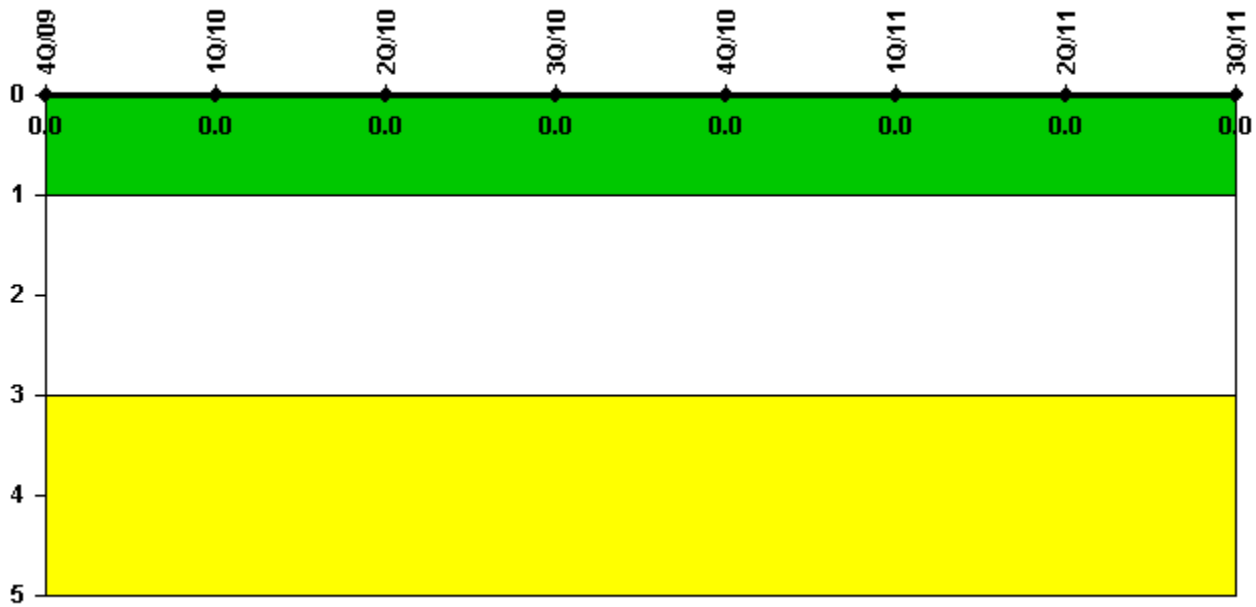
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

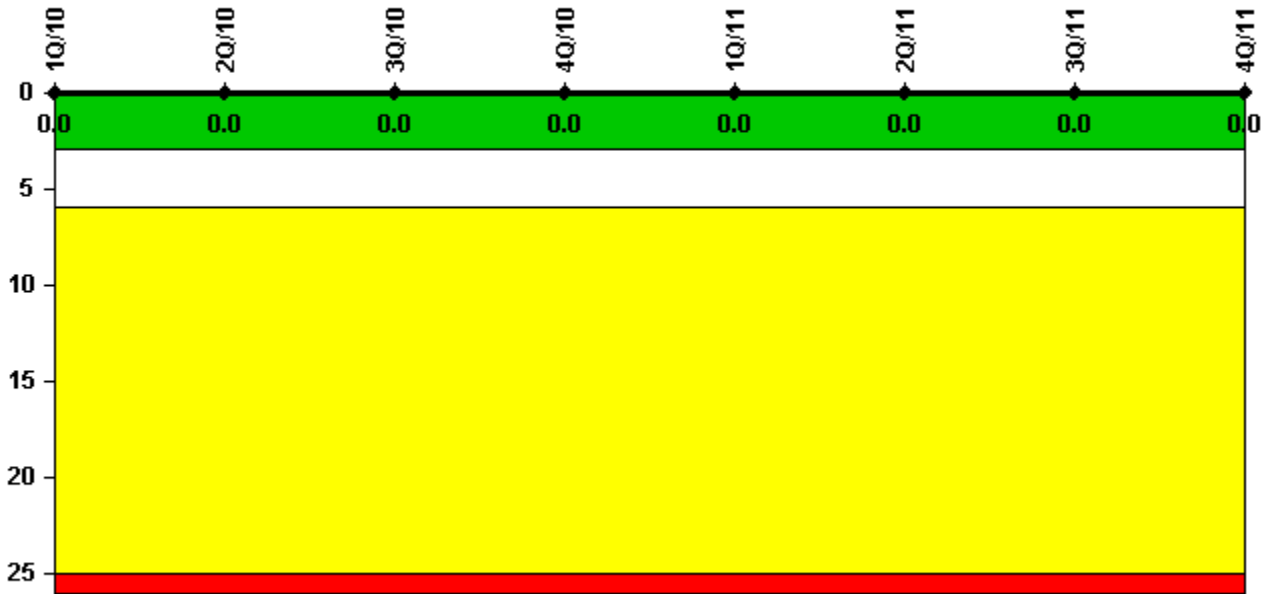
[Security](#) information not publicly available.

Catawba 1

4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



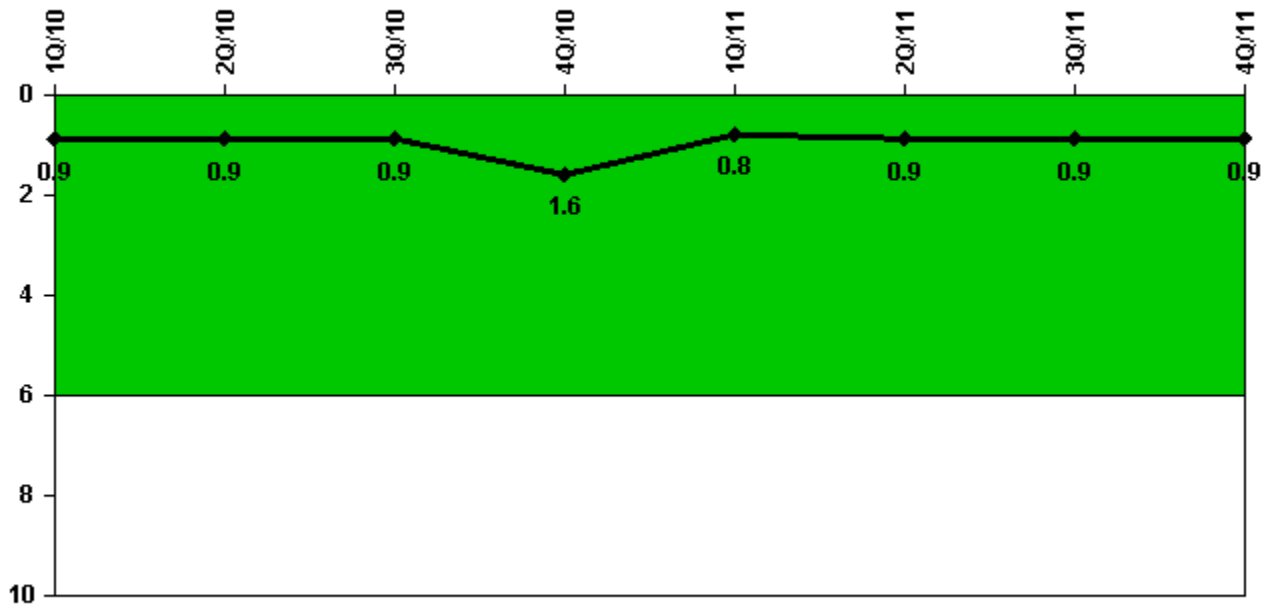
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2034.5	2184.0	2208.0	2209.0	2159.0	1169.0	2208.0	2193.3
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



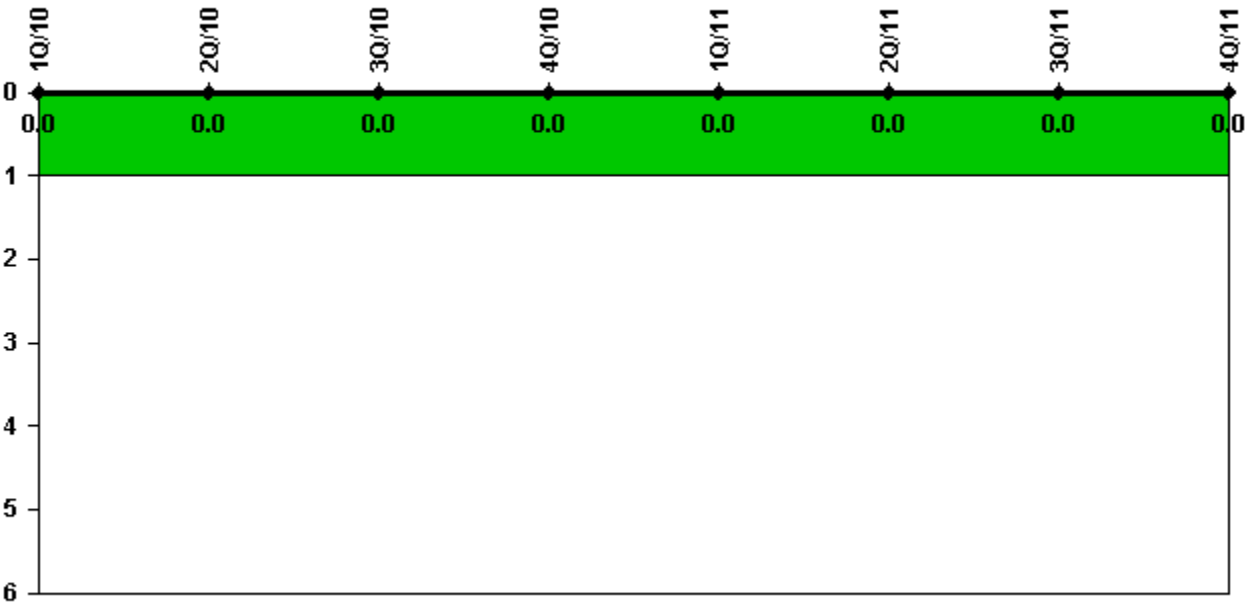
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	1.0	0	0	1.0	0	0	0	1.0
Critical hours	2034.5	2184.0	2208.0	2209.0	2159.0	1169.0	2208.0	2193.3
Indicator value	0.9	0.9	0.9	1.6	0.8	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



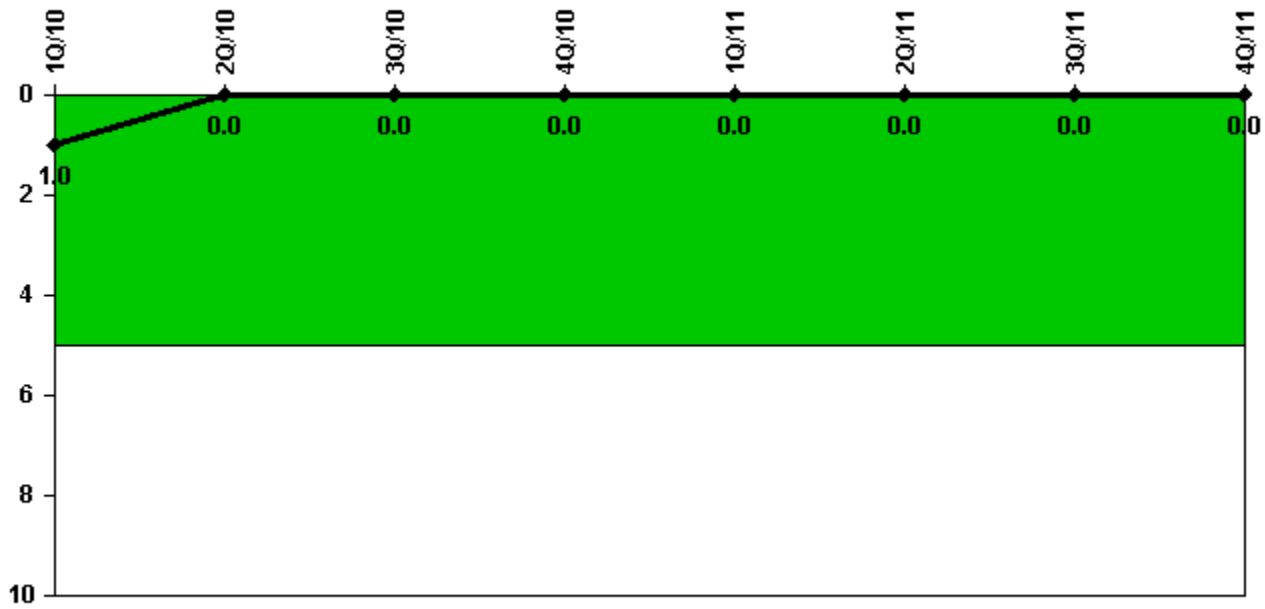
Thresholds: White > 1.0

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 (PWR)



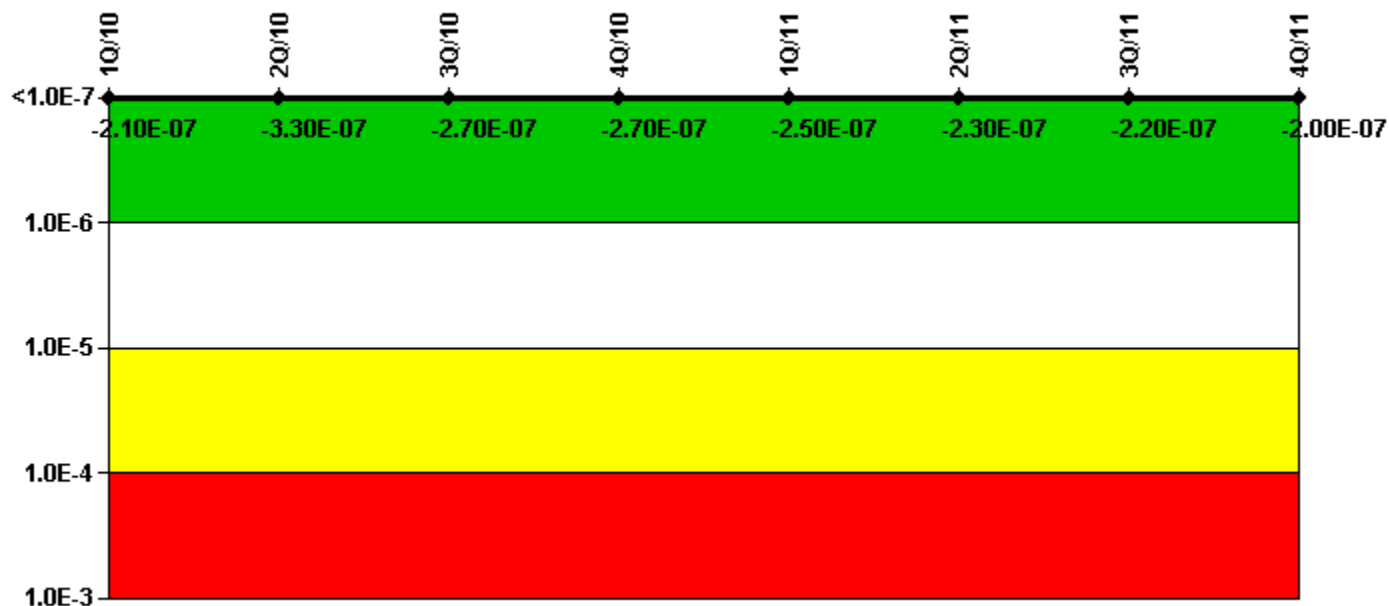
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



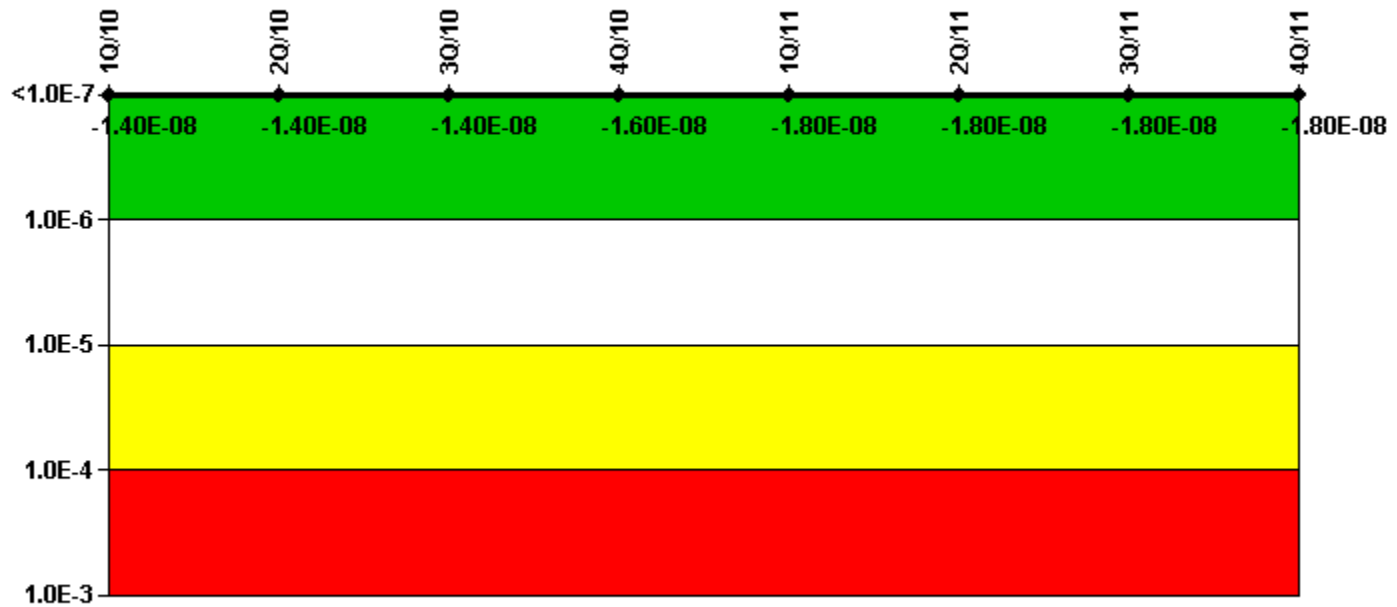
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-1.54E-08	-3.49E-08	2.43E-08	3.12E-08	4.86E-08	7.11E-08	7.97E-08	9.74E-08
URI (Δ CDF)	-1.91E-07	-3.00E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07	-2.98E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-07	-3.30E-07	-2.70E-07	-2.70E-07	-2.50E-07	-2.30E-07	-2.20E-07	-2.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



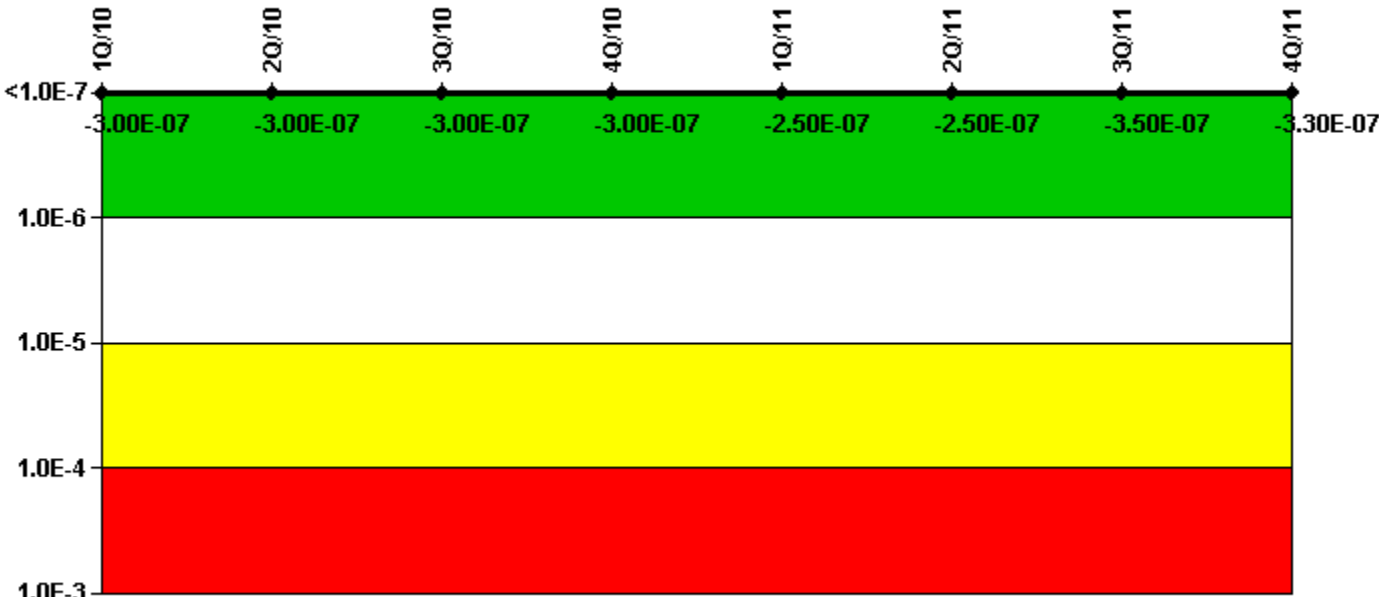
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-3.11E-09	-3.11E-09	-3.12E-09	-3.28E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09
URI (Δ CDF)	-1.07E-08	-1.07E-08	-1.07E-08	-1.32E-08	-1.32E-08	-1.32E-08	-1.32E-08	-1.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.40E-08	-1.40E-08	-1.60E-08	-1.80E-08	-1.80E-08	-1.80E-08	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



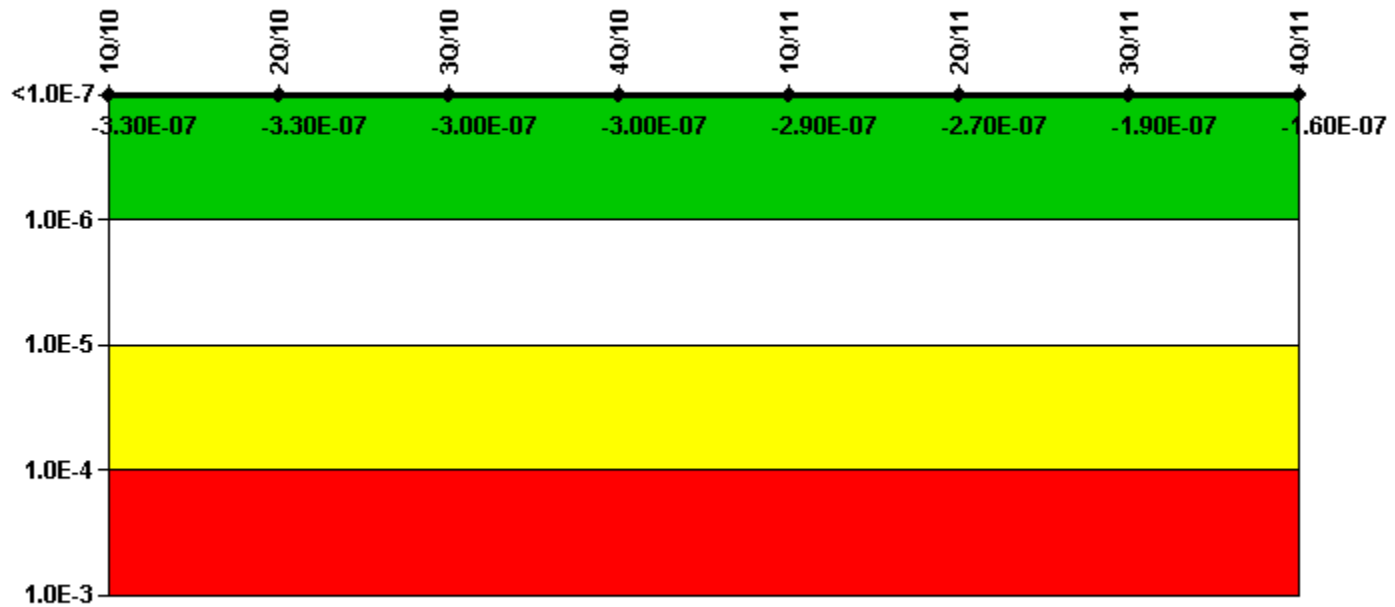
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	3.77E-08	3.77E-08	3.77E-08	3.77E-08	8.11E-08	8.00E-08	-4.06E-08	-1.16E-08
URI (ΔCDF)	-3.33E-07	-3.33E-07	-3.33E-07	-3.33E-07	-3.33E-07	-3.33E-07	-3.14E-07	-3.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07	-2.50E-07	-2.50E-07	-3.50E-07	-3.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



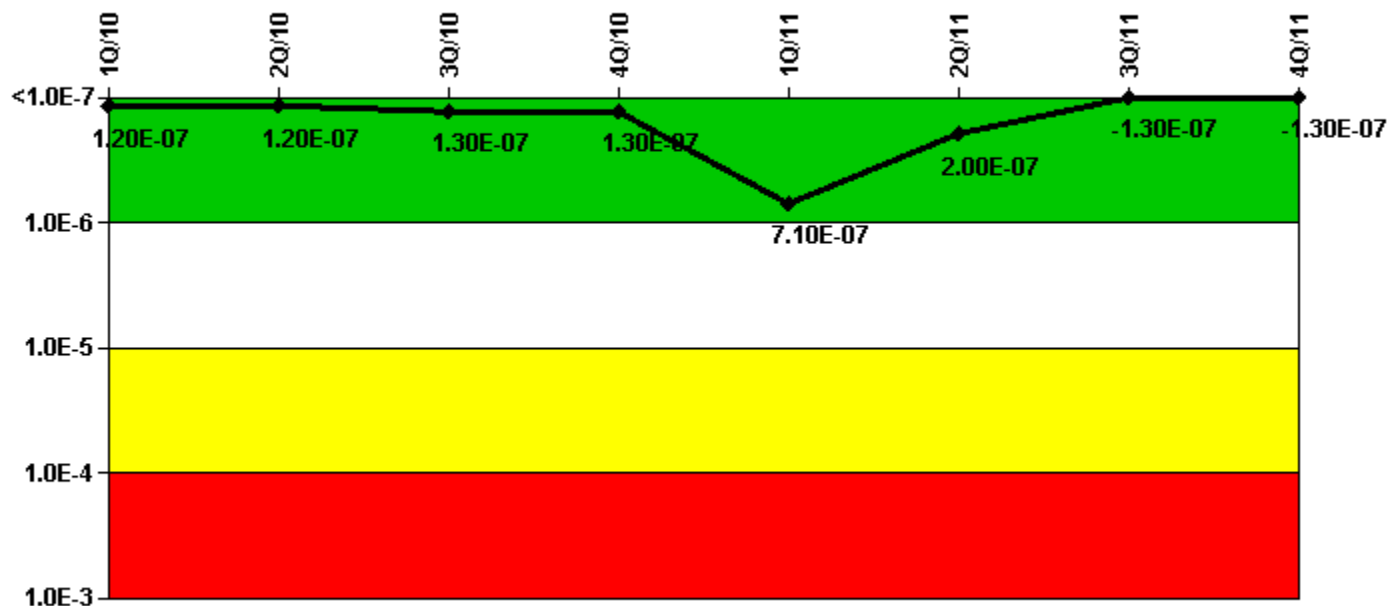
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-5.29E-08	-5.29E-08	-2.45E-08	-2.18E-08	-1.43E-08	1.26E-08	9.31E-08	1.20E-07
URI (Δ CDF)	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.30E-07	-3.30E-07	-3.00E-07	-3.00E-07	-2.90E-07	-2.70E-07	-1.90E-07	-1.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



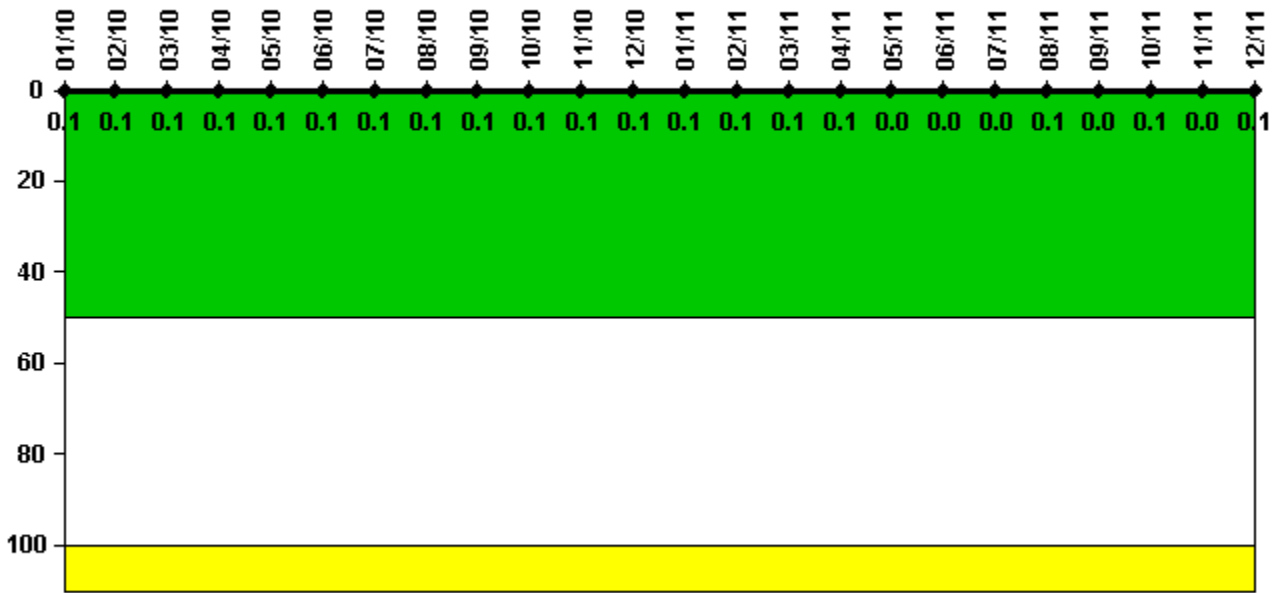
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	2.28E-07	2.28E-07	2.40E-07	2.40E-07	8.22E-07	3.13E-07	-1.75E-08	-1.68E-08
URI (ΔCDF)	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.11E-07	-1.16E-07	-1.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-07	1.20E-07	1.30E-07	1.30E-07	7.10E-07	2.00E-07	-1.30E-07	-1.30E-07

Licensee Comments: none

Reactor Coolant System Activity



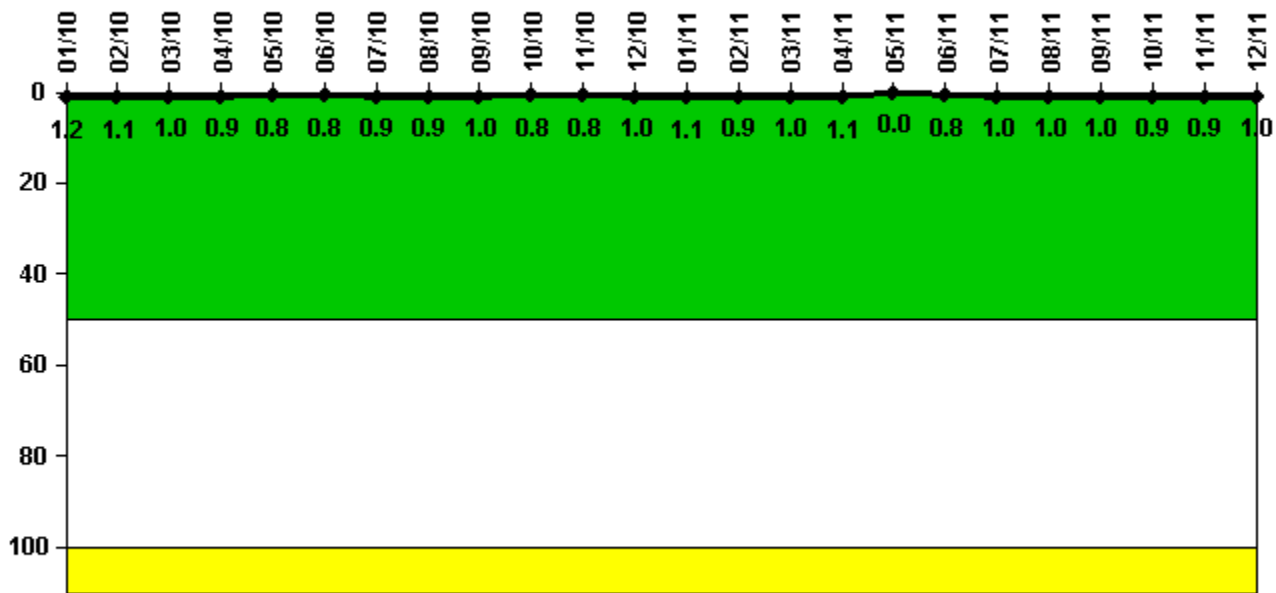
Thresholds: White > 50.0 Yellow > 100.0

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	0.000244	0.000239	0.000230	0.000265	0.000320	0.000315	0.000407	0.000359	0.000378	0.000369	0.000381	0.000382
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000410	0.000393	0.000452	0.000468	0	0.000171	0.000185	0.000304	0.000204	0.000233	0.000222	0.000241
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0	0	0	0.1	0	0.1	0	0.1

Licensee Comments: none

Reactor Coolant System Leakage



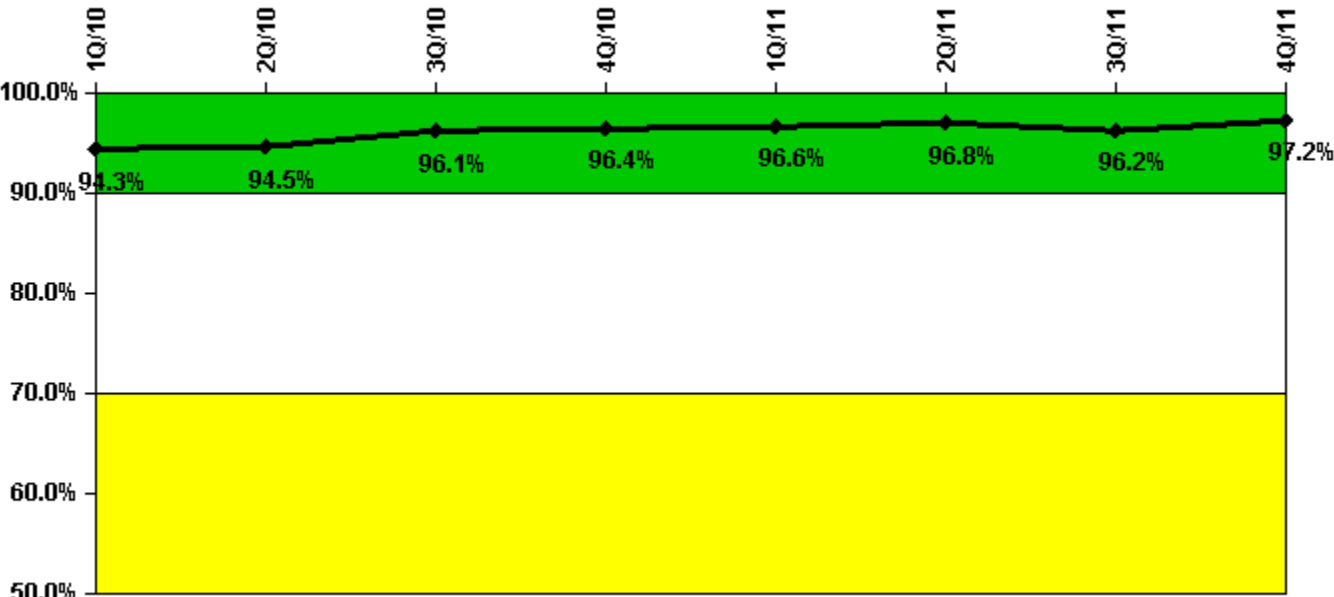
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.122	0.110	0.102	0.086	0.084	0.078	0.087	0.090	0.102	0.076	0.080	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.2	1.1	1.0	0.9	0.8	0.8	0.9	0.9	1.0	0.8	0.8	1.0
Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.106	0.092	0.099	0.109	0	0.078	0.103	0.103	0.098	0.086	0.094	0.097
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	0.9	1.0	1.1	0	0.8	1.0	1.0	1.0	0.9	0.9	1.0

Licensee Comments: none

Drill/Exercise Performance



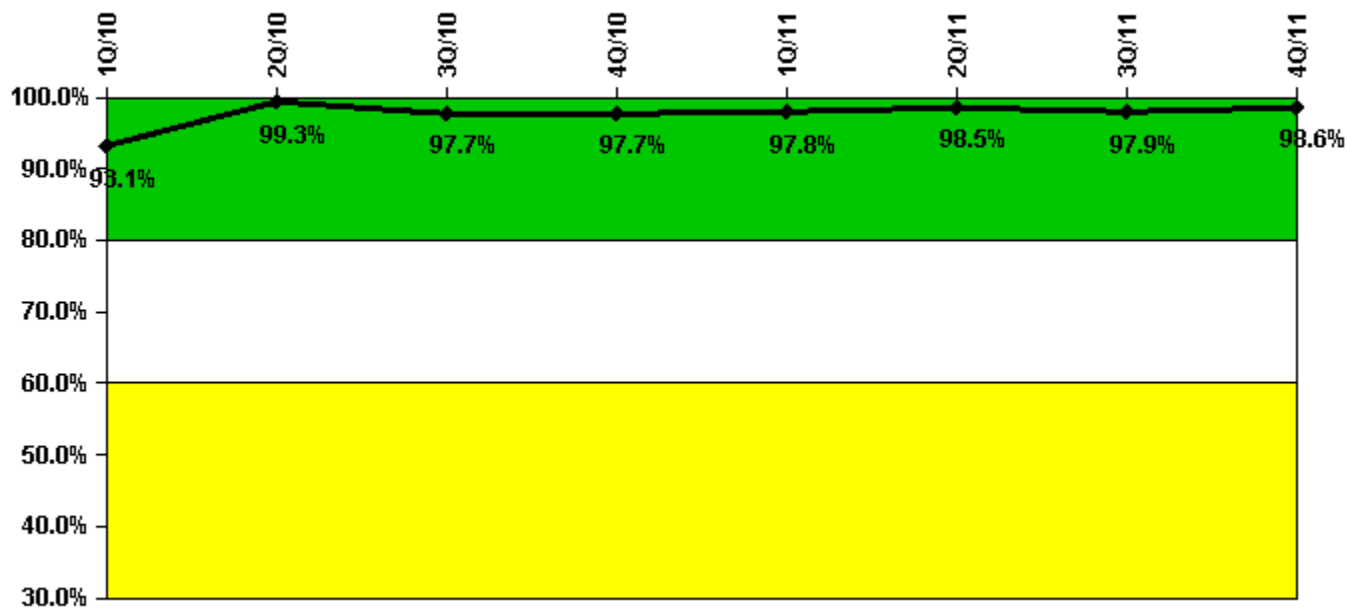
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	44.0	27.0	41.0	29.0	15.0	6.0	73.0	8.0
Total opportunities	44.0	28.0	42.0	30.0	15.0	6.0	77.0	8.0
Indicator value	94.3%	94.5%	96.1%	96.4%	96.6%	96.8%	96.2%	97.2%

Licensee Comments: none

ERO Drill Participation



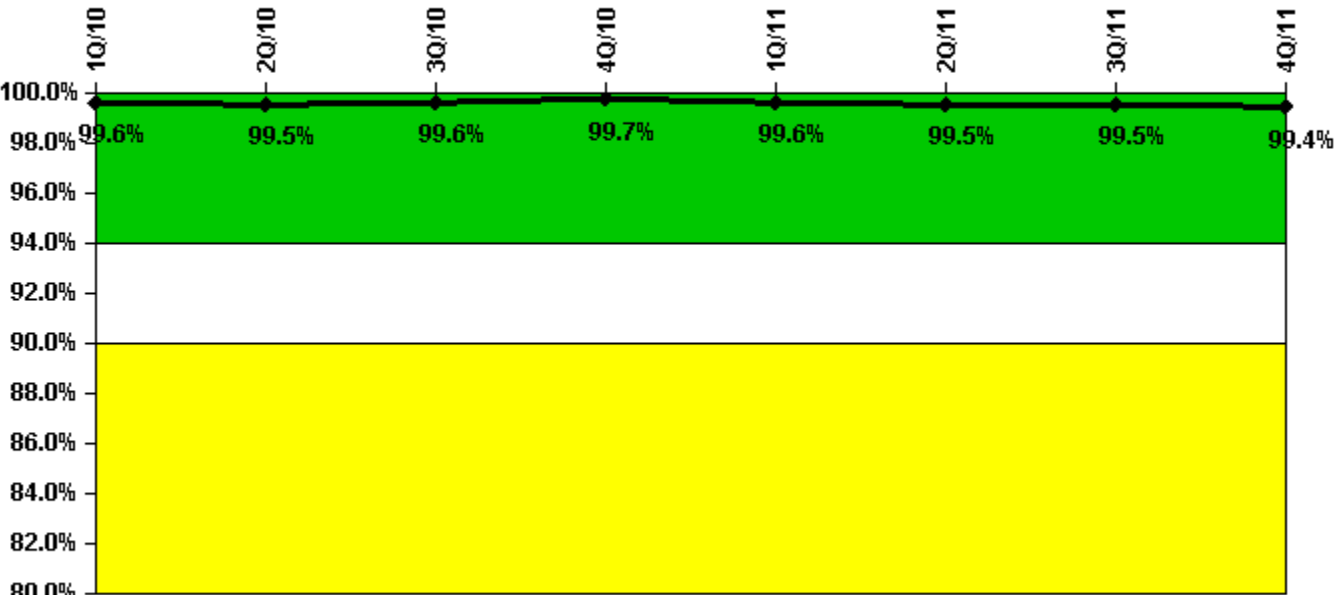
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	134.0	136.0	130.0	129.0	131.0	133.0	137.0	141.0
Total Key personnel	144.0	137.0	133.0	132.0	134.0	135.0	140.0	143.0
Indicator value	93.1%	99.3%	97.7%	97.7%	97.8%	98.5%	97.9%	98.6%

Licensee Comments: none

Alert & Notification System



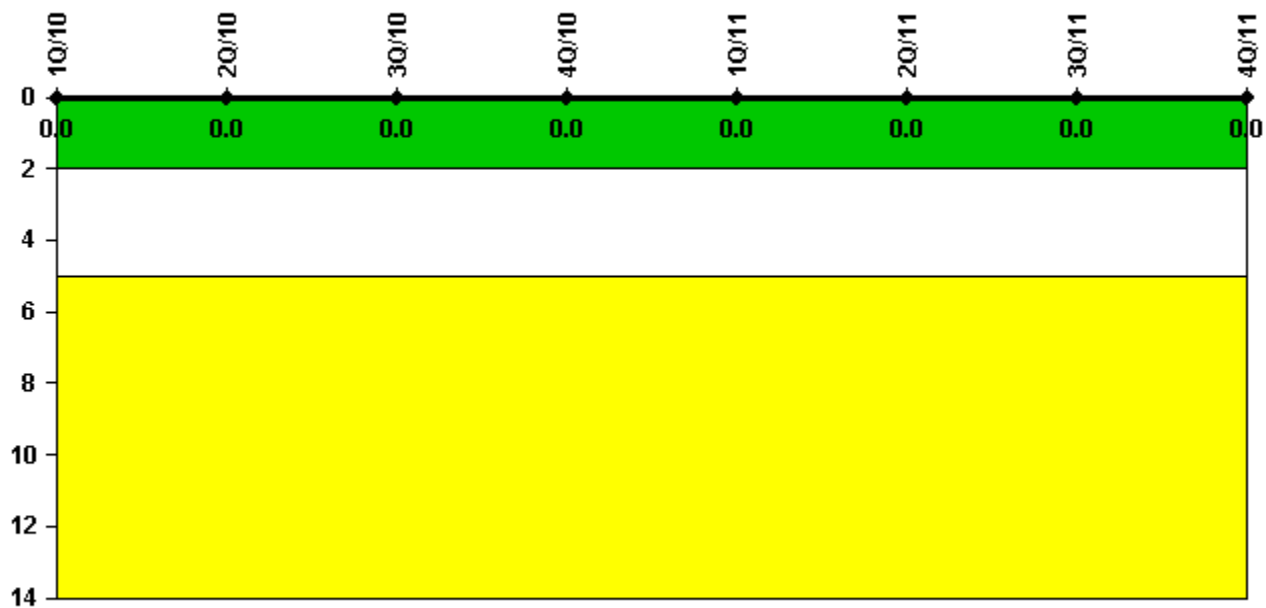
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	2214	2394	2483	2400	2387	2378	2395	2390
Total sirens-tests	2225	2403	2492	2403	2403	2403	2403	2403
Indicator value	99.6%	99.5%	99.6%	99.7%	99.6%	99.5%	99.5%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



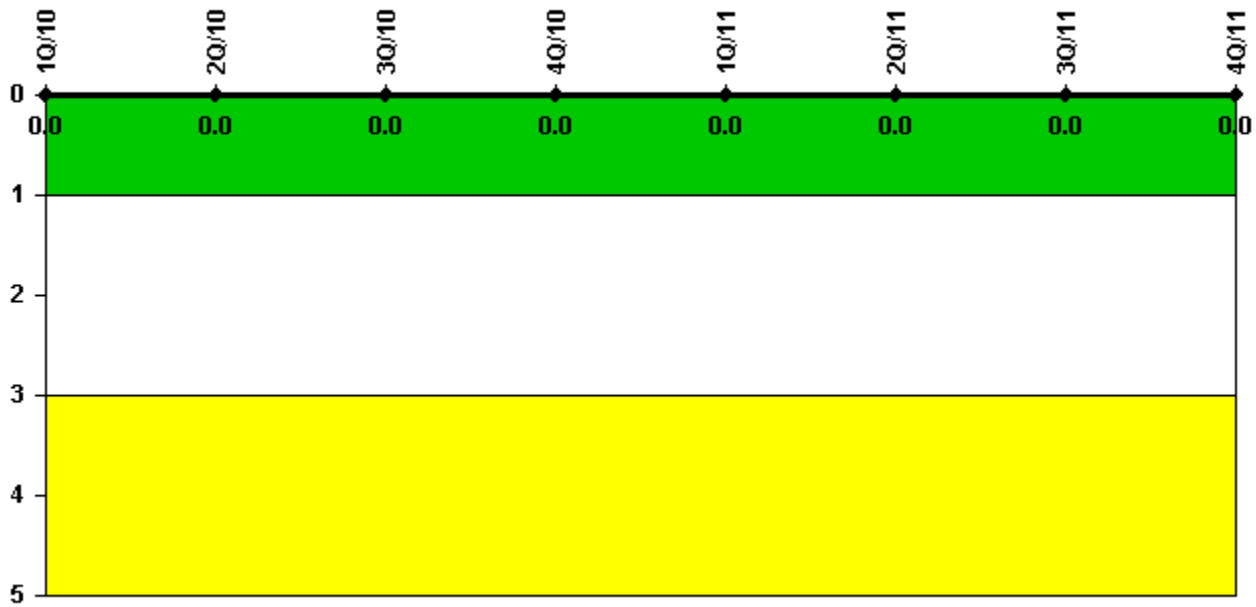
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: 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.

Catawba 1

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



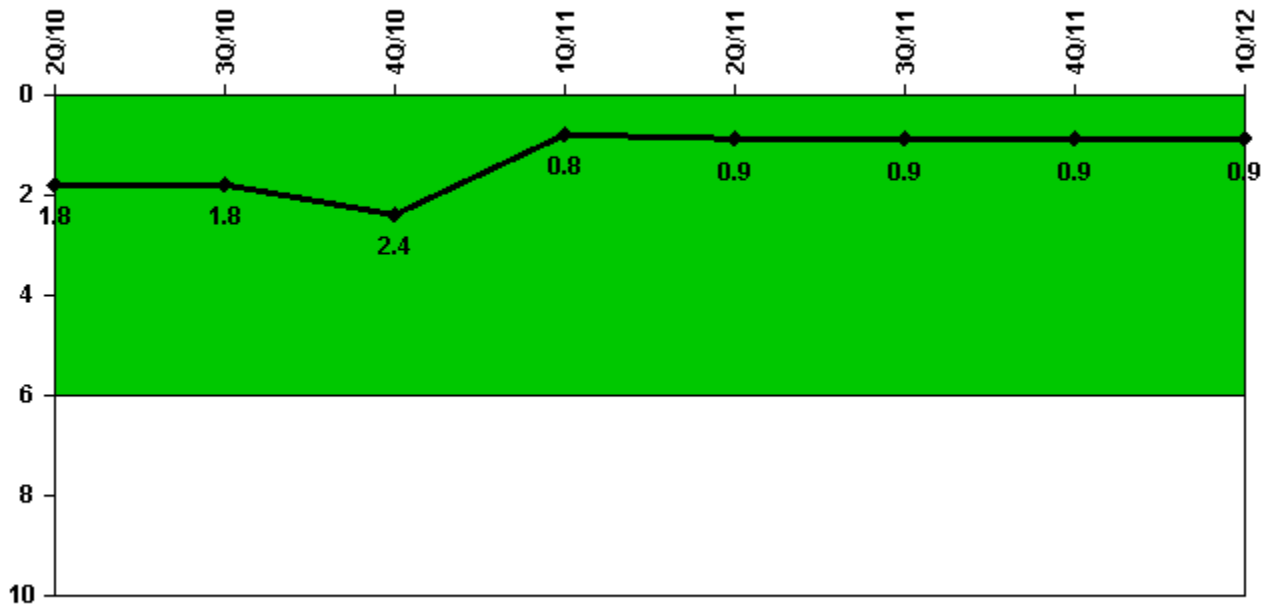
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1169.0	2208.0	2193.3	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



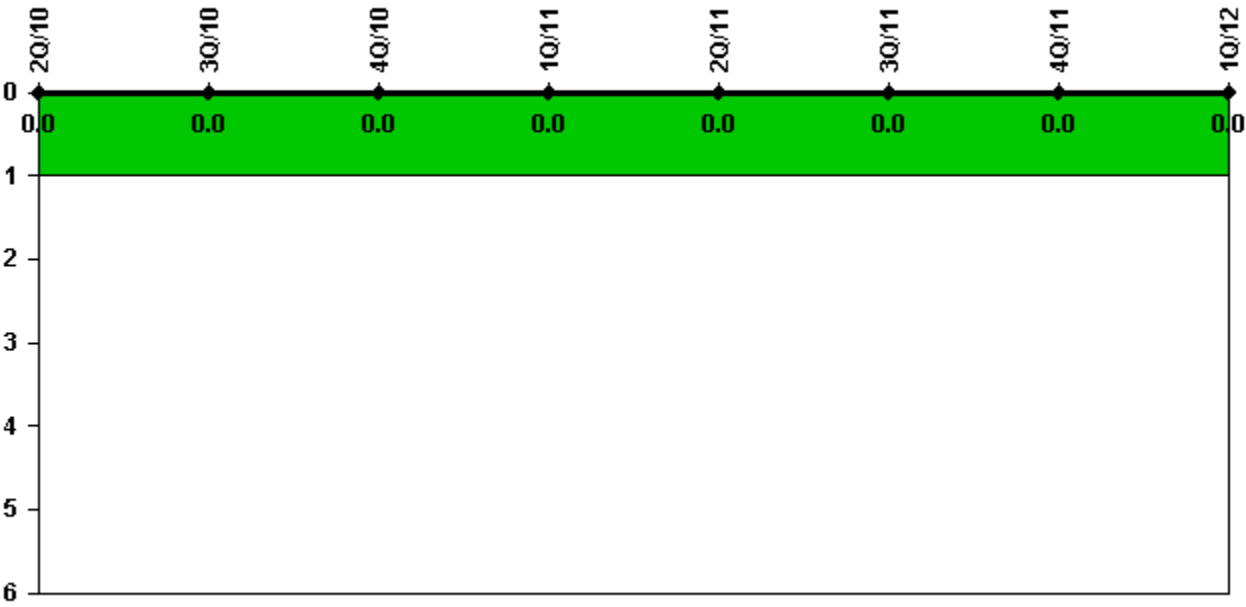
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	1.0	0	0	0	1.0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1169.0	2208.0	2193.3	2183.0
Indicator value	1.8	1.8	2.4	0.8	0.9	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



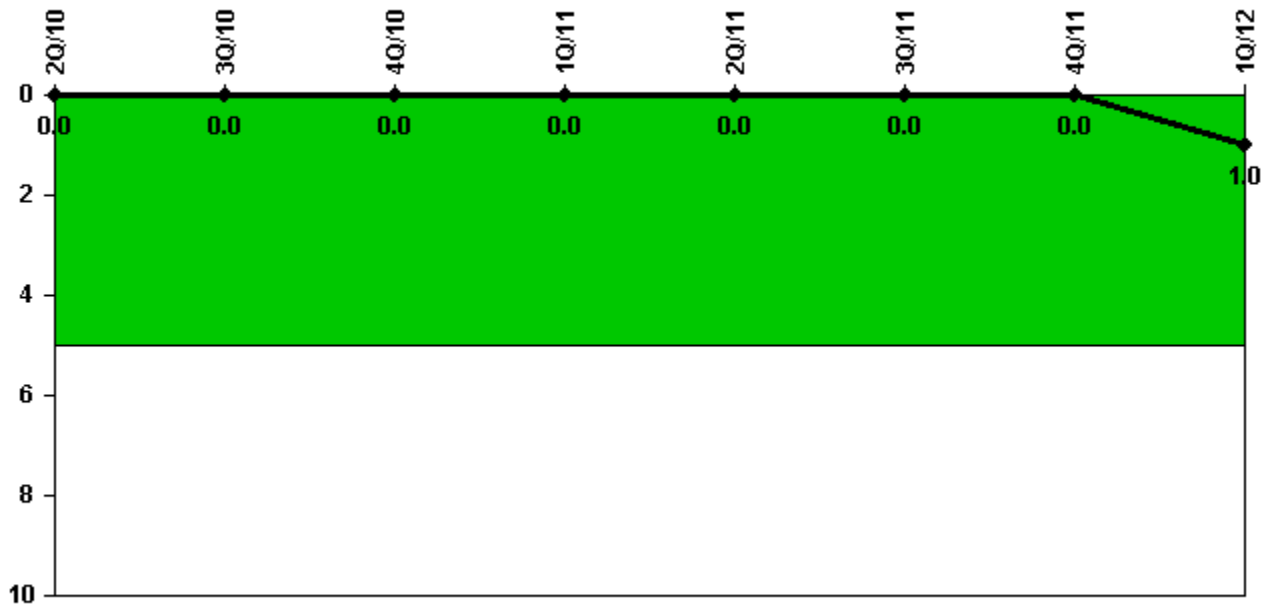
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



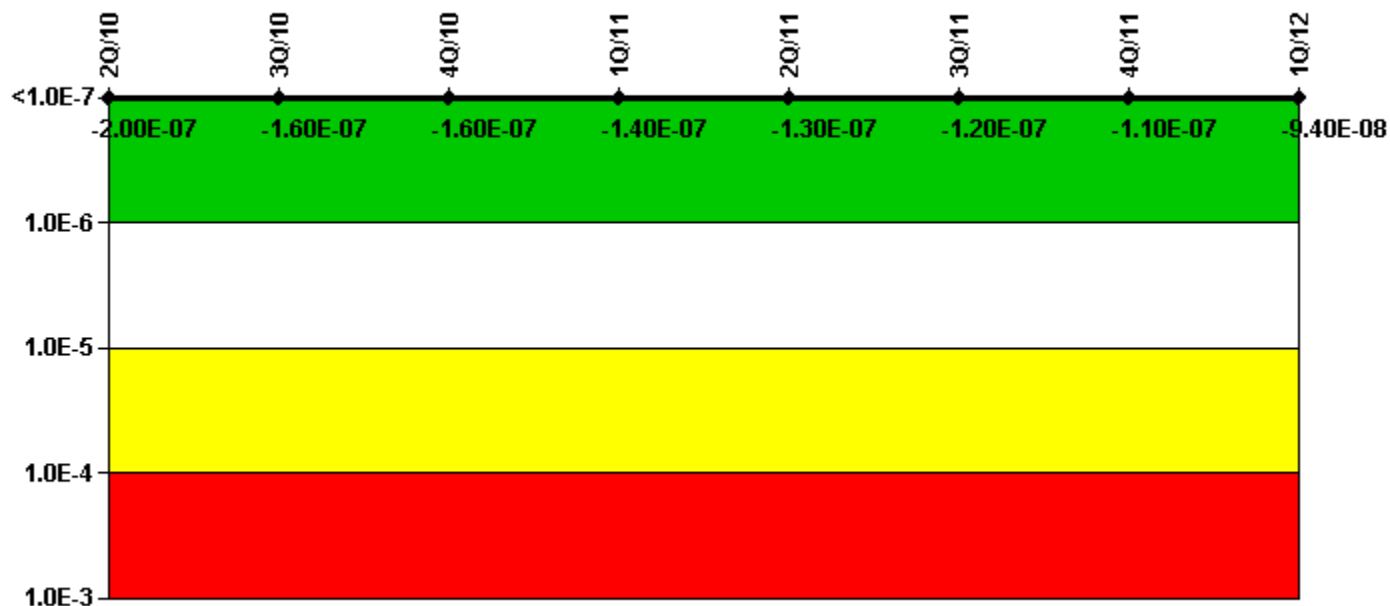
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	0	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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	-2.42E-08	1.68E-08	2.16E-08	3.37E-08	4.93E-08	5.53E-08	6.76E-08	8.92E-08
URI (ΔCDF)	-1.80E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-07	-1.60E-07	-1.60E-07	-1.40E-07	-1.30E-07	-1.20E-07	-1.10E-07	-9.40E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

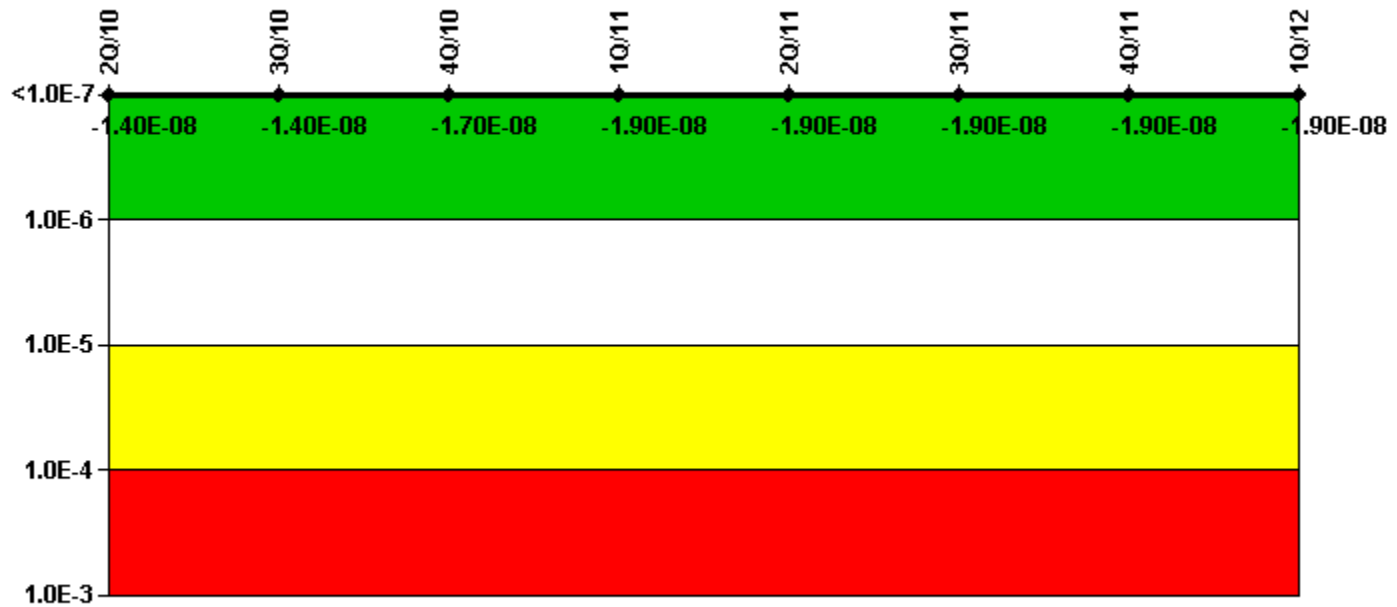
1Q/11: Changed PRA Parameter(s).

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)	-5.39E-09	-5.42E-09	-5.69E-09	-7.57E-09	-7.57E-09	-7.57E-09	-7.57E-09	-7.78E-09
URI (ΔCDF)	-8.47E-09	-8.47E-09	-1.14E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.40E-08	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

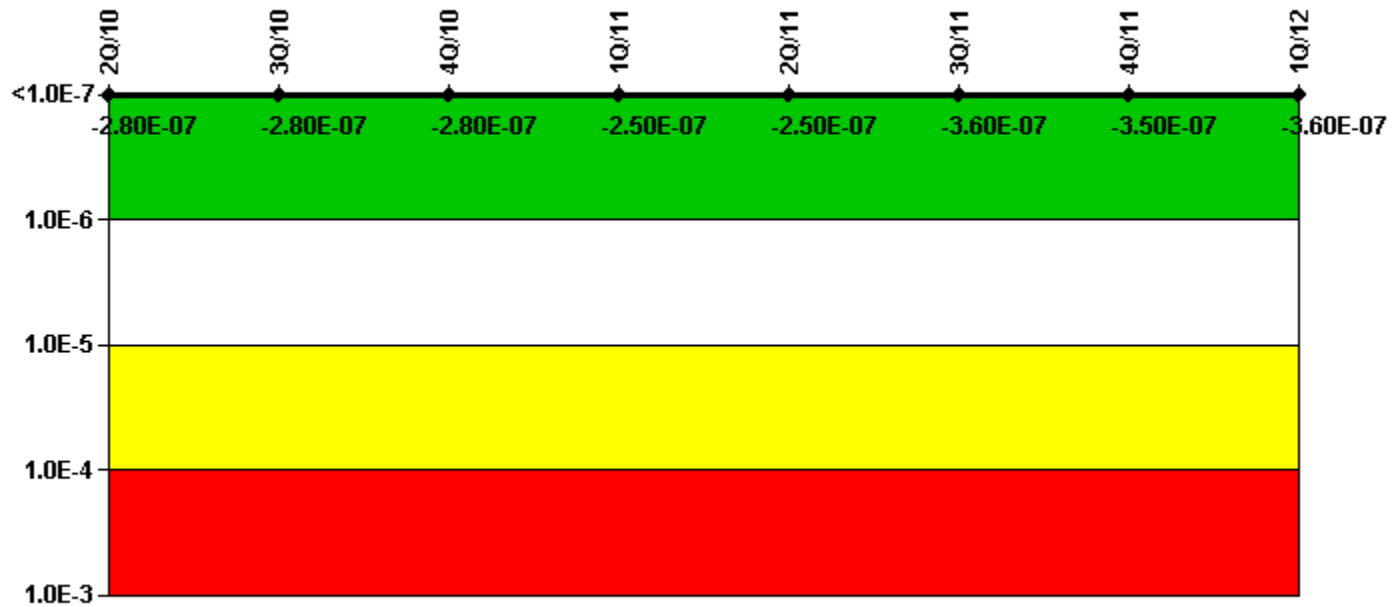
1Q/11: Changed PRA Parameter(s).

4Q/10: Changed PRA Parameter(s).

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

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

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	6.28E-08	6.28E-08	6.28E-08	9.58E-08	9.50E-08	-1.20E-08	-1.89E-09	-9.11E-09
URI (Δ CDF)	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-07	-2.80E-07	-2.80E-07	-2.50E-07	-2.50E-07	-3.60E-07	-3.50E-07	-3.60E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

4Q/10: Changed PRA Parameter(s).

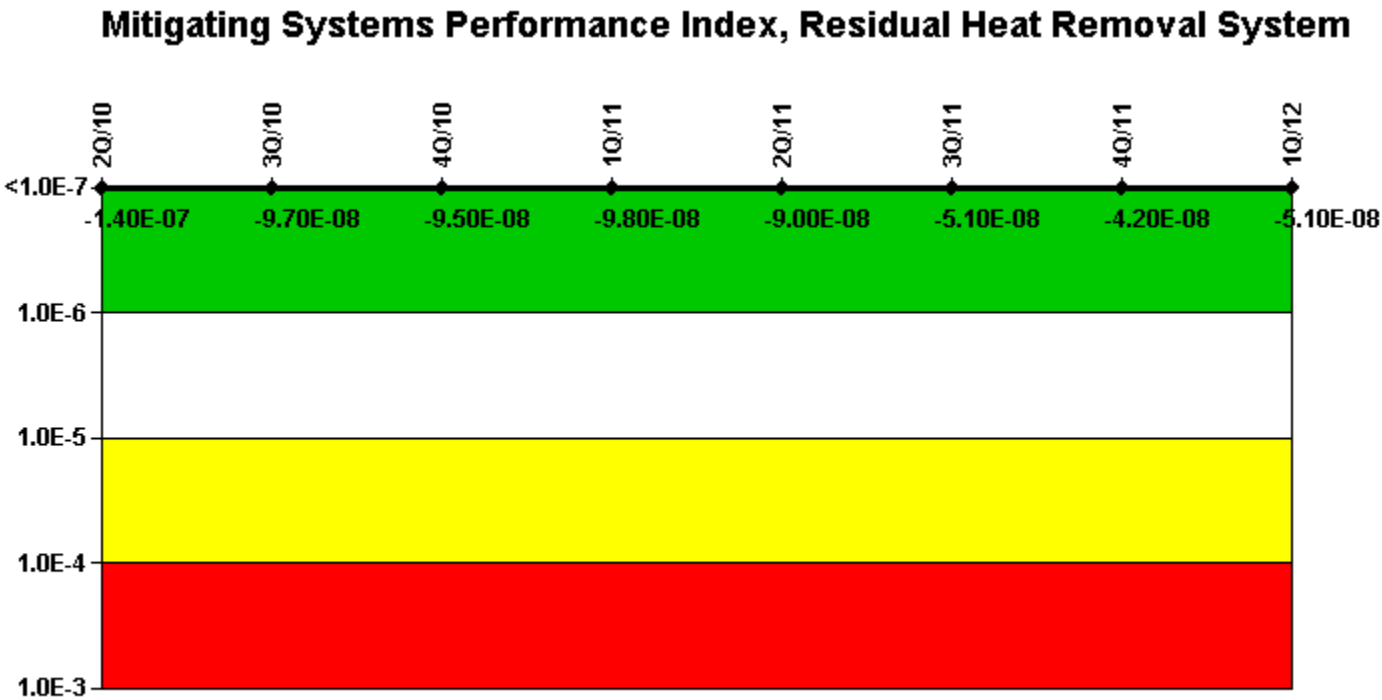
4Q/10: Changed PRA Parameter(s).

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

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

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

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



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

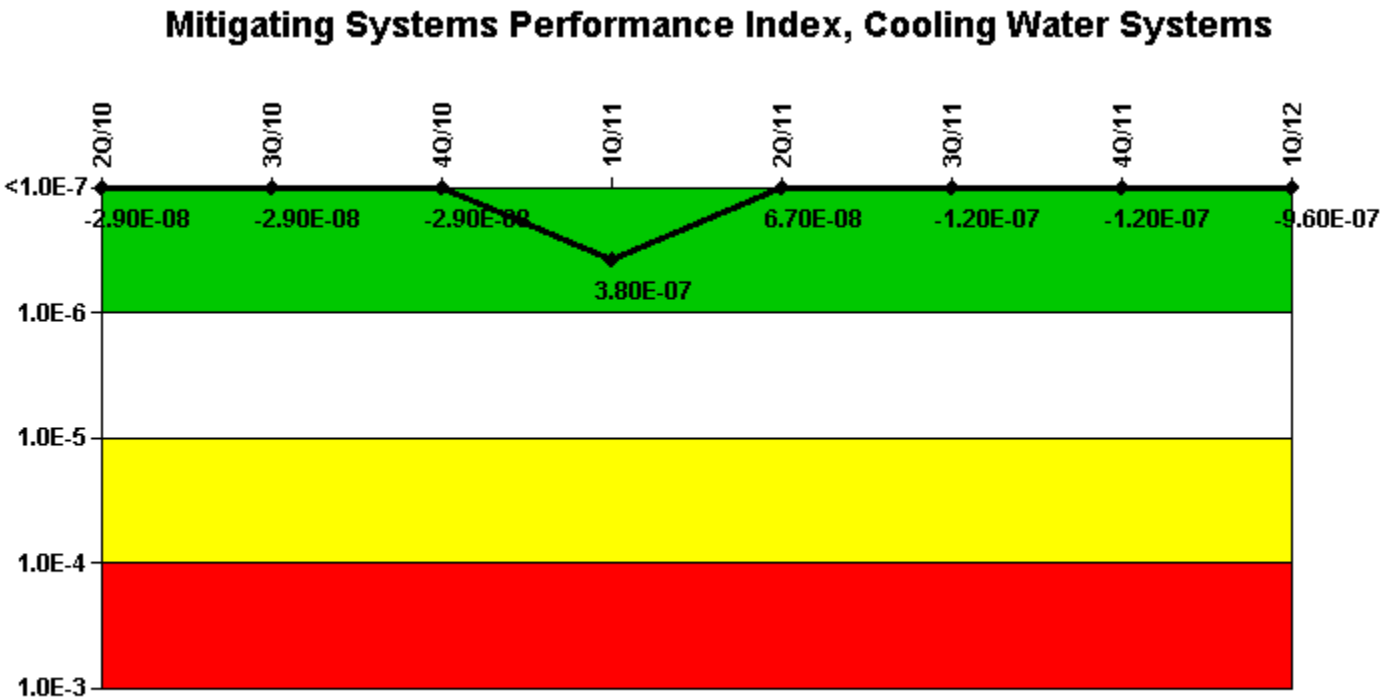
Notes

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)	-7.42E-10	4.31E-08	4.45E-08	4.20E-08	5.01E-08	8.86E-08	9.75E-08	9.30E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-9.70E-08	-9.50E-08	-9.80E-08	-9.00E-08	-5.10E-08	-4.20E-08	-5.10E-08

Licensee Comments:

- 1Q/12: Changed PRA Parameter(s).
- 4Q/11: Changed PRA Parameter(s).
- 3Q/11: Changed PRA Parameter(s).
- 2Q/11: Changed PRA Parameter(s).
- 1Q/11: Changed PRA Parameter(s).
- 4Q/10: Changed PRA Parameter(s).
- 3Q/10: Changed PRA Parameter(s).

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



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 (ΔCDF)	7.84E-08	7.85E-08	7.85E-08	4.89E-07	1.74E-07	-1.44E-08	-1.39E-08	-5.11E-07
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.10E-07	-1.10E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	-2.90E-08	-2.90E-08	3.80E-07	6.70E-08	-1.20E-07	-1.20E-07	-9.60E-07

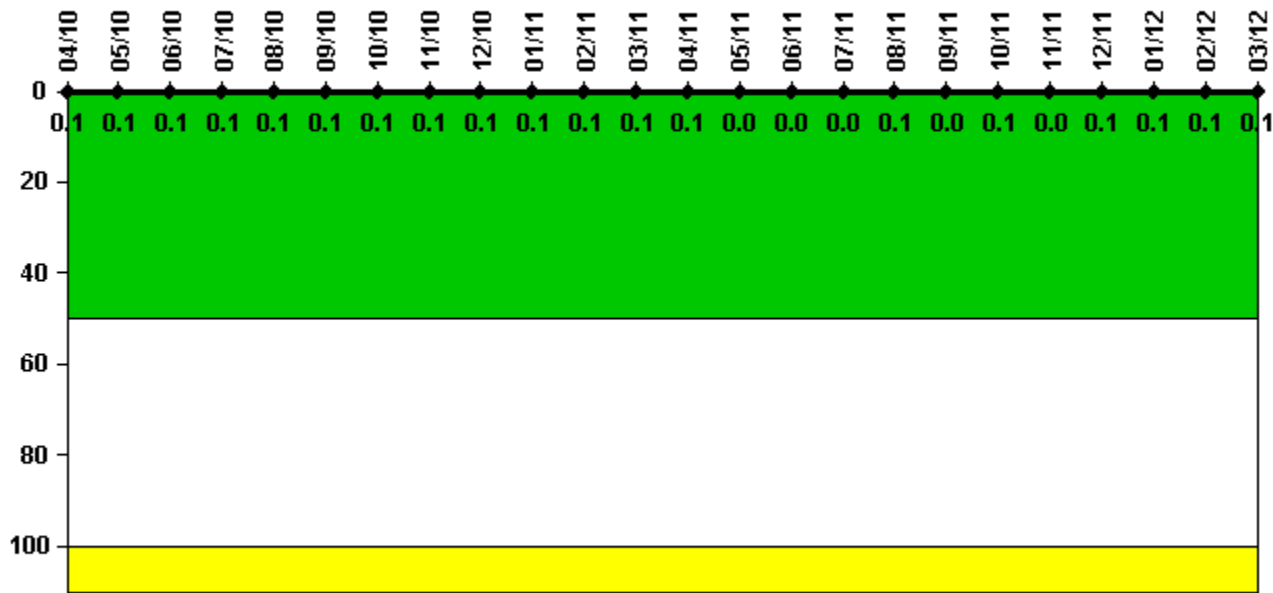
Licensee Comments:

- 1Q/12: Changed PRA Parameter(s).
- 4Q/11: Changed PRA Parameter(s).
- 3Q/11: Changed PRA Parameter(s).
- 2Q/11: Changed PRA Parameter(s).
- 1Q/11: Changed PRA Parameter(s).
- 1Q/11: Risk Cap Invoked.
- 4Q/10: Changed PRA Parameter(s).

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

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

Reactor Coolant System Activity



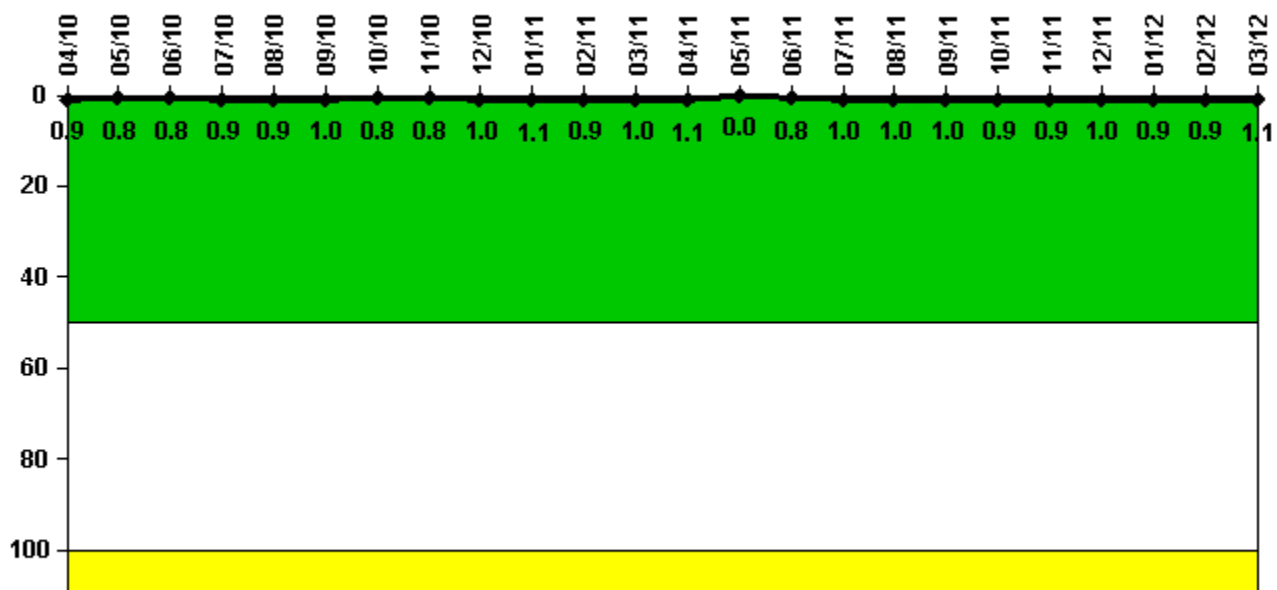
Thresholds: White > 50.0 Yellow > 100.0

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	0.000265	0.000320	0.000315	0.000407	0.000359	0.000378	0.000369	0.000381	0.000382	0.000410	0.000393	0.000452
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000468	0	0.000171	0.000185	0.000304	0.000204	0.000233	0.000222	0.000241	0.000273	0.000241	0.000266
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0	0	0	0.1	0	0.1	0	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



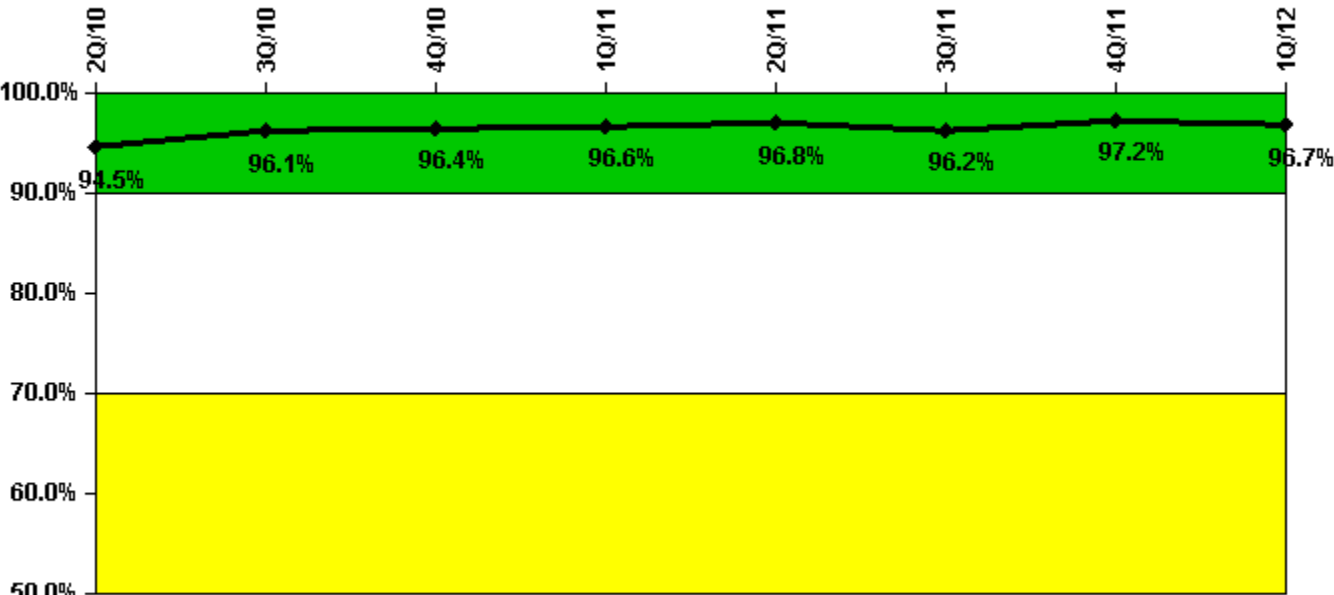
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.086	0.084	0.078	0.087	0.090	0.102	0.076	0.080	0.100	0.106	0.092	0.099
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.8	0.8	0.9	0.9	1.0	0.8	0.8	1.0	1.1	0.9	1.0
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.109	0	0.078	0.103	0.103	0.098	0.086	0.094	0.097	0.094	0.094	0.106
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	0	0.8	1.0	1.0	1.0	0.9	0.9	1.0	0.9	0.9	1.1

Licensee Comments: none

Drill/Exercise Performance



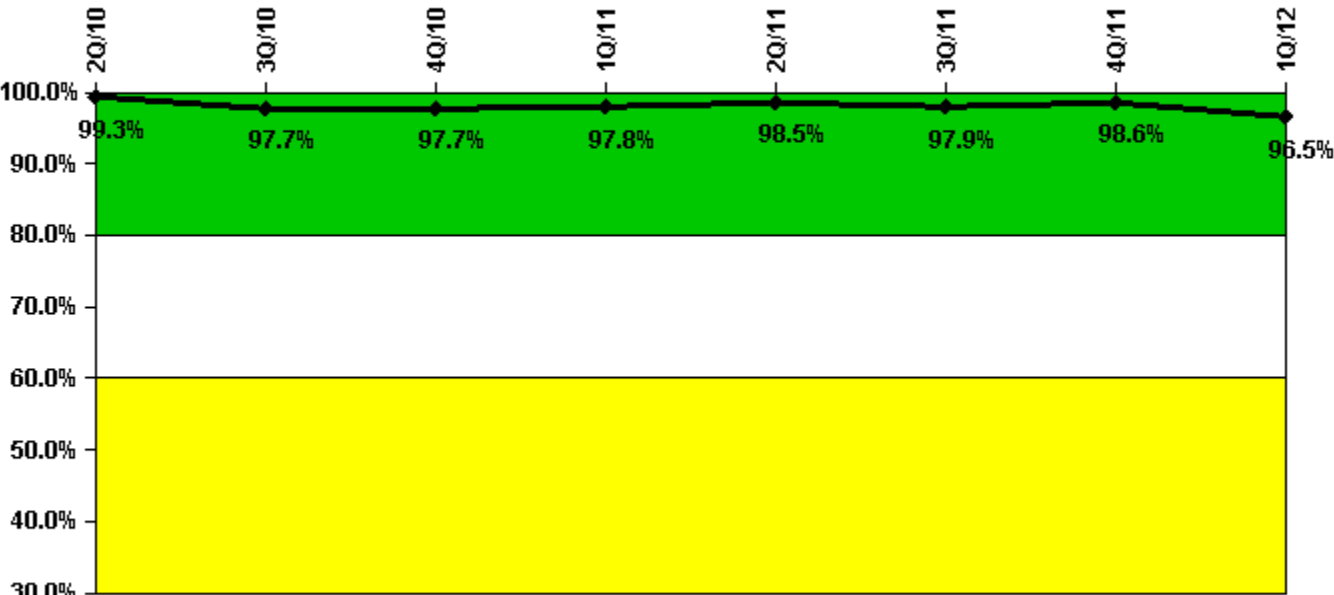
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	27.0	41.0	29.0	15.0	6.0	73.0	8.0	8.0
Total opportunities	28.0	42.0	30.0	15.0	6.0	77.0	8.0	8.0
Indicator value	94.5%	96.1%	96.4%	96.6%	96.8%	96.2%	97.2%	96.7%

Licensee Comments: none

ERO Drill Participation



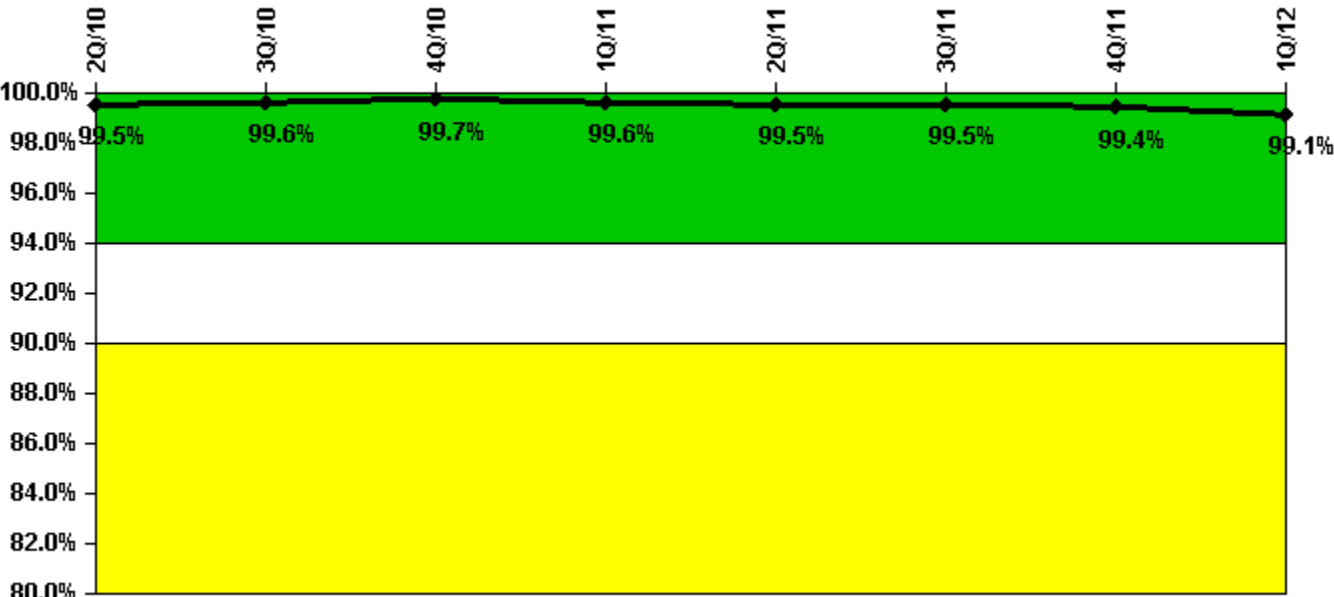
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	136.0	130.0	129.0	131.0	133.0	137.0	141.0	138.0
Total Key personnel	137.0	133.0	132.0	134.0	135.0	140.0	143.0	143.0
Indicator value	99.3%	97.7%	97.7%	97.8%	98.5%	97.9%	98.6%	96.5%

Licensee Comments: none

Alert & Notification System



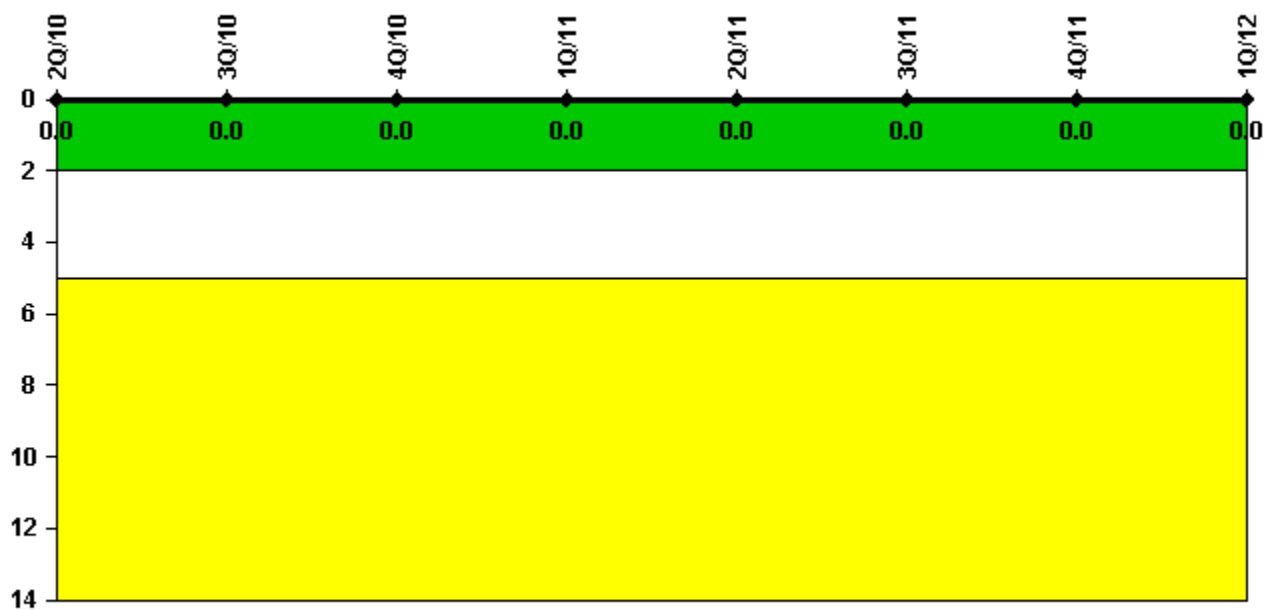
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	2394	2483	2400	2387	2378	2395	2390	2367
Total sirens-tests	2403	2492	2403	2403	2403	2403	2403	2403
Indicator value	99.5%	99.6%	99.7%	99.6%	99.5%	99.5%	99.4%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



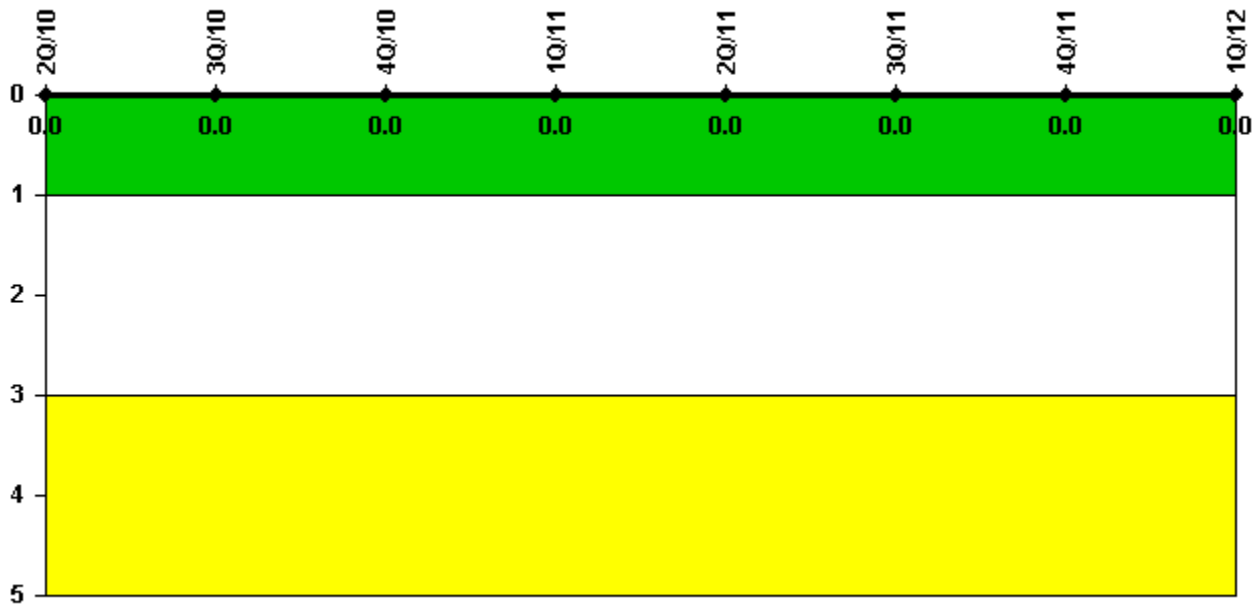
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
High radiation area occurrences	0	0	0	0	0	0	0	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/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

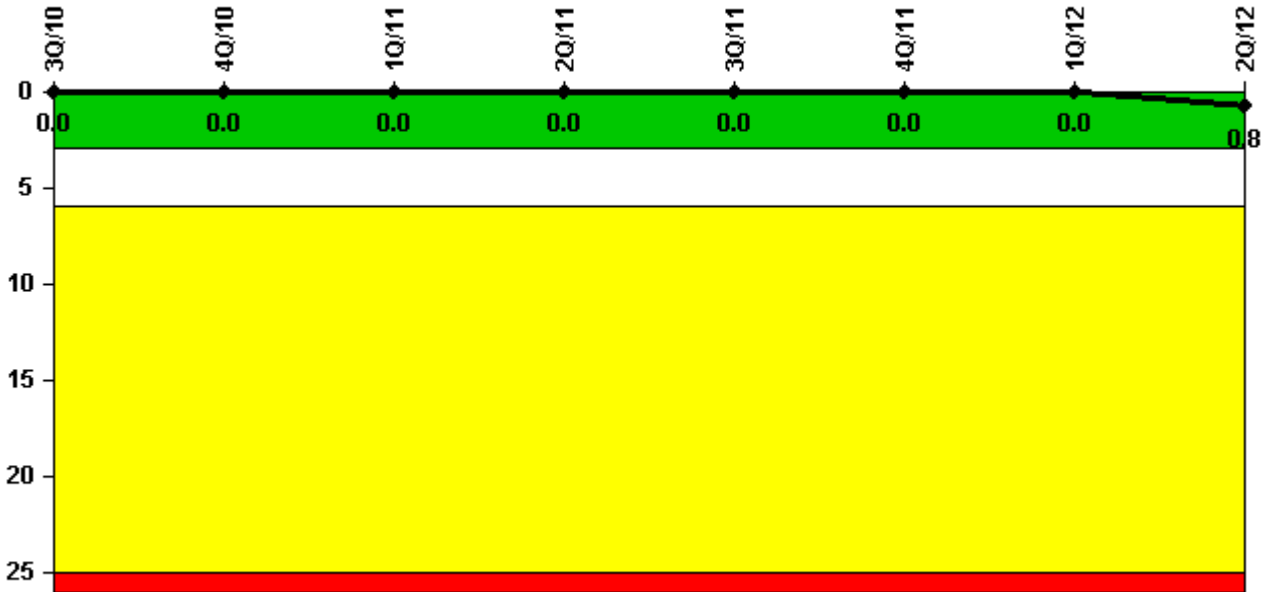
[Security](#) information not publicly available.

Catawba 1

2Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



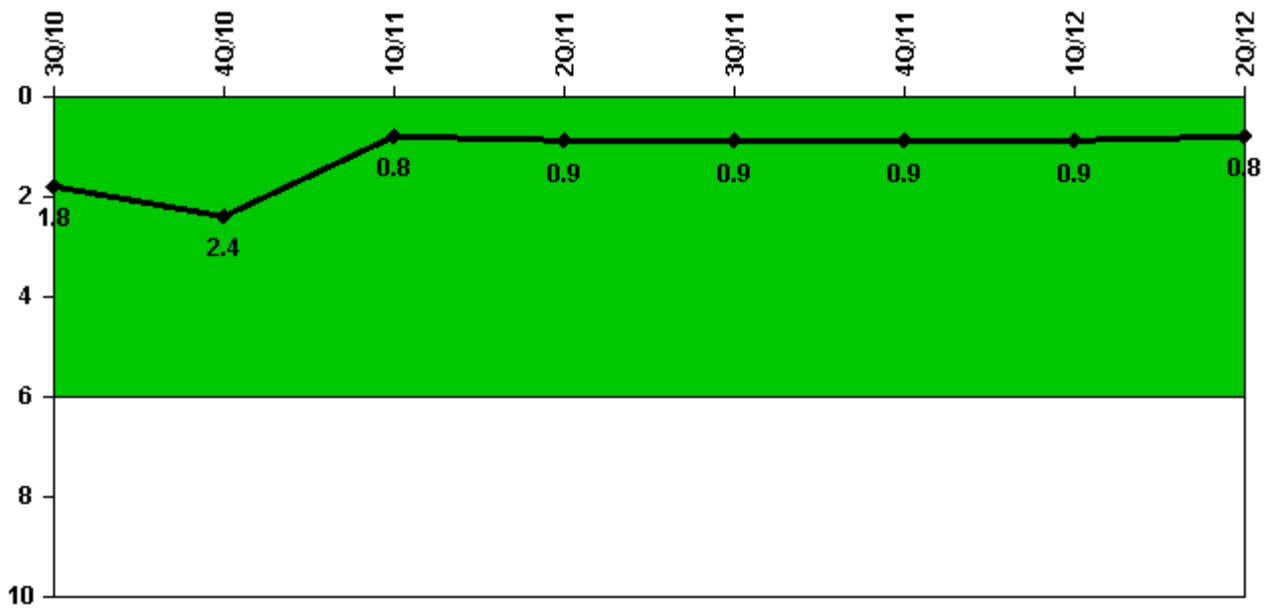
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	2159.0	1169.0	2208.0	2193.3	2183.0	1912.7
Indicator value	0	0	0	0	0	0	0	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



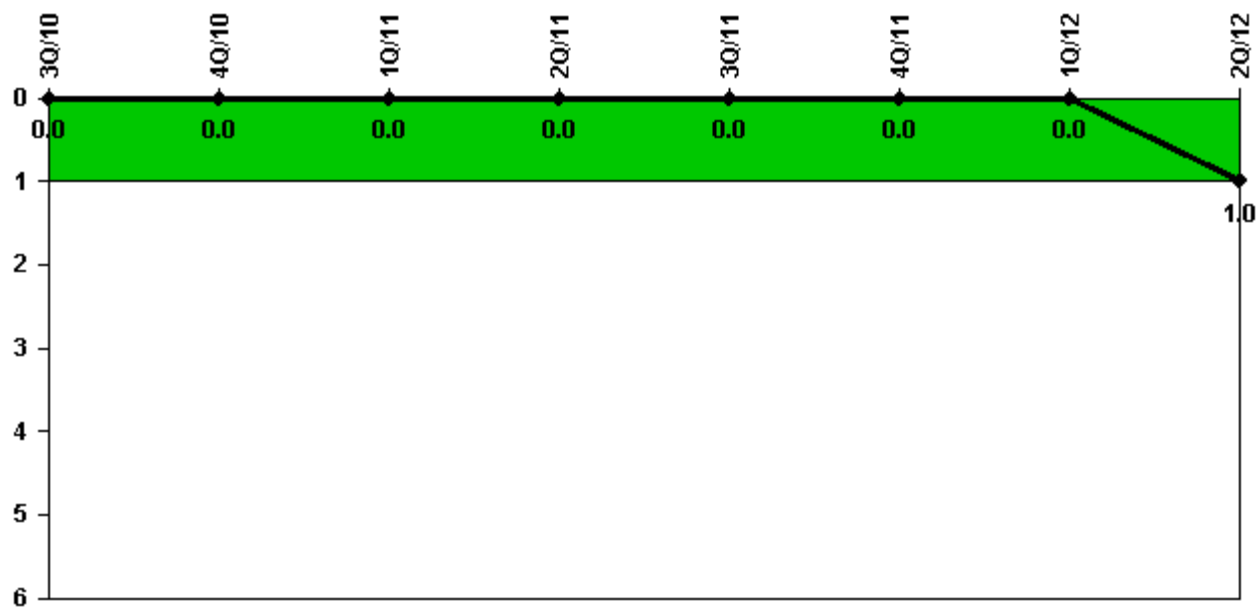
Thresholds: White > 6.0

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	1.0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	1169.0	2208.0	2193.3	2183.0	1912.7
Indicator value	1.8	2.4	0.8	0.9	0.9	0.9	0.9	0.8

Licensee Comments: none

Unplanned Scrams with Complications



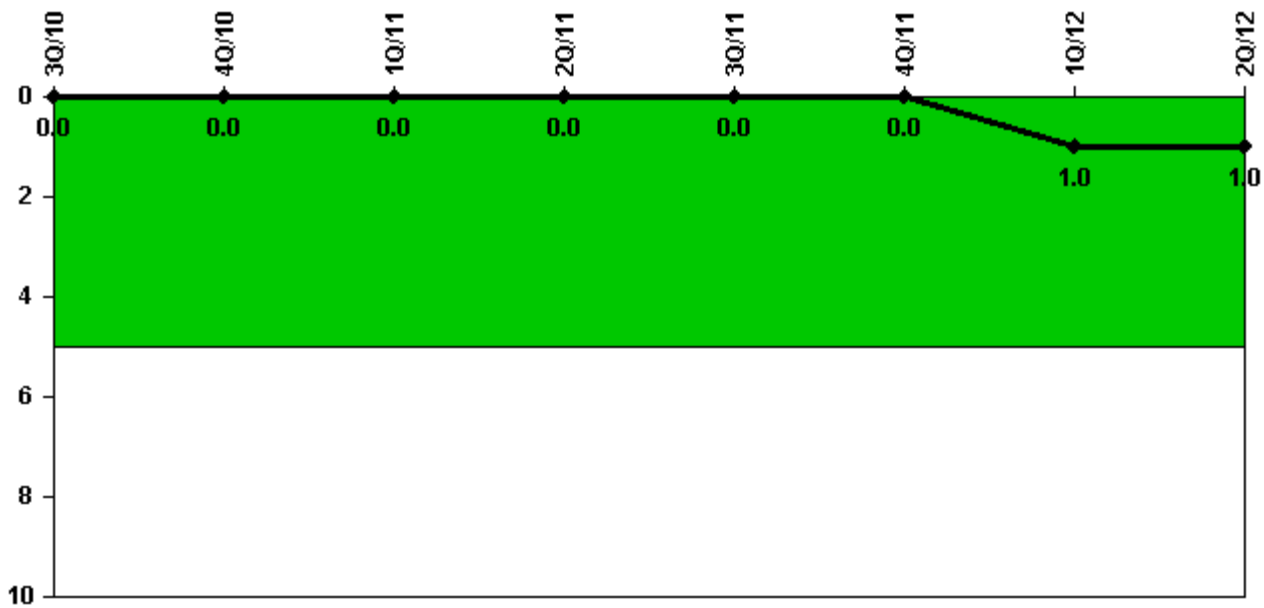
Thresholds: White > 1.0

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	1.0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

Licensee Comments: none

Safety System Functional Failures (PWR)



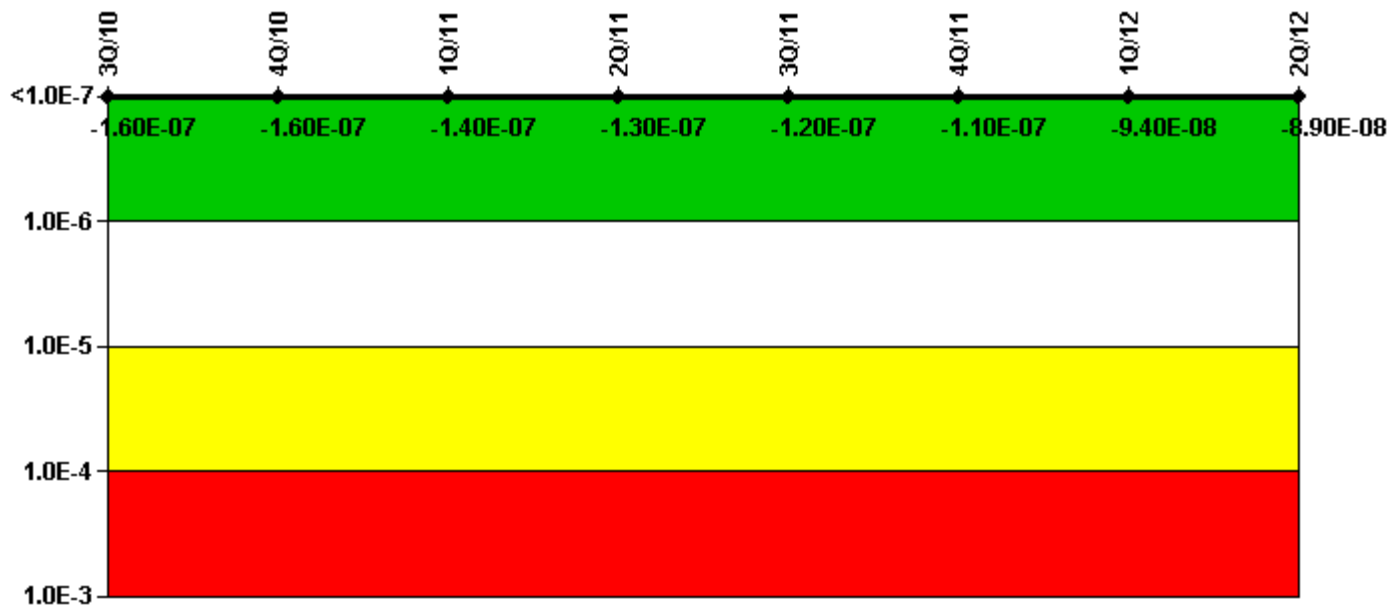
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	1.68E-08	2.16E-08	3.37E-08	4.93E-08	5.53E-08	6.76E-08	8.92E-08	9.35E-08
URI (ΔCDF)	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.40E-07	-1.30E-07	-1.20E-07	-1.10E-07	-9.40E-08	-8.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

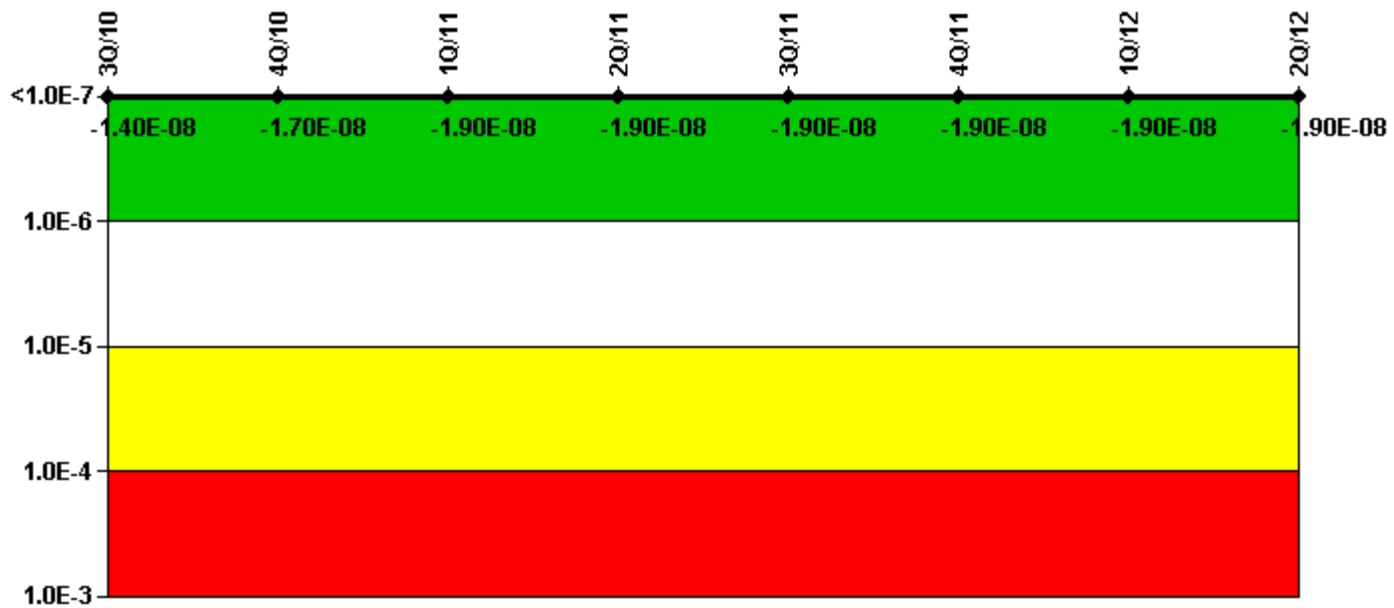
2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

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 (Δ CDF)	-5.42E-09	-5.69E-09	-7.57E-09	-7.57E-09	-7.57E-09	-7.57E-09	-7.78E-09	-7.78E-09
URI (Δ CDF)	-8.47E-09	-1.14E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

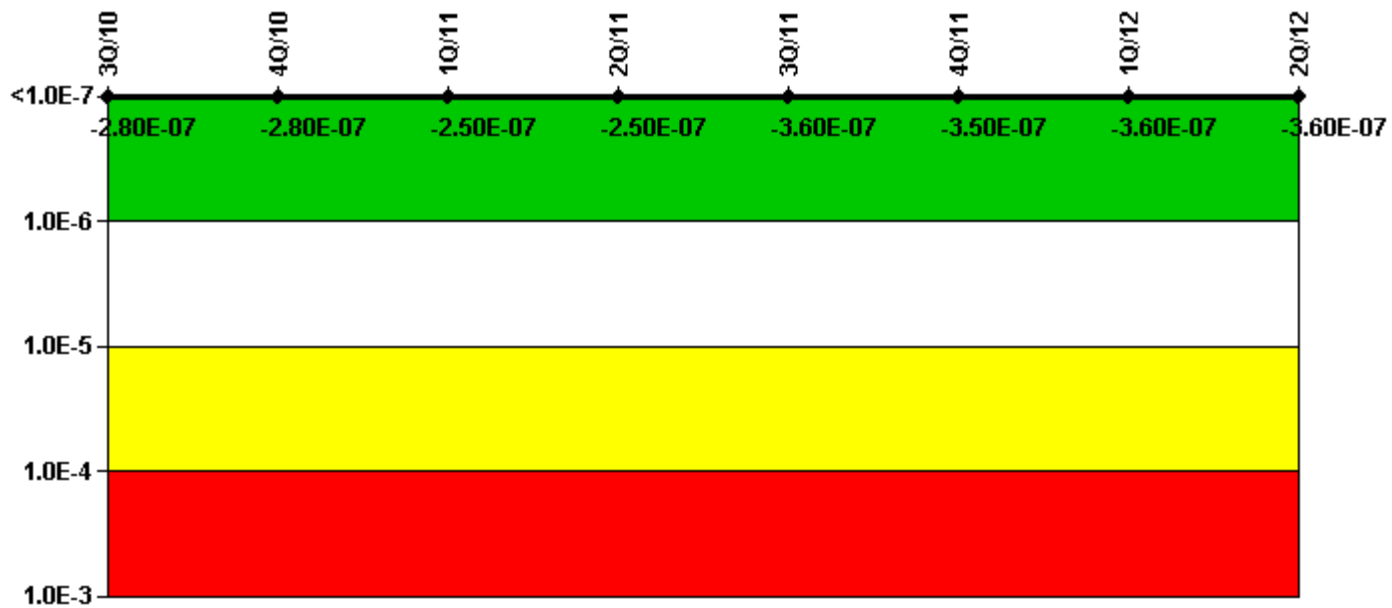
2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

4Q/10: Changed PRA Parameter(s).

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

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	6.28E-08	6.28E-08	9.58E-08	9.50E-08	-1.20E-08	-1.89E-09	-9.11E-09	-1.17E-08
URI (Δ CDF)	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.53E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-07	-2.80E-07	-2.50E-07	-2.50E-07	-3.60E-07	-3.50E-07	-3.60E-07	-3.60E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

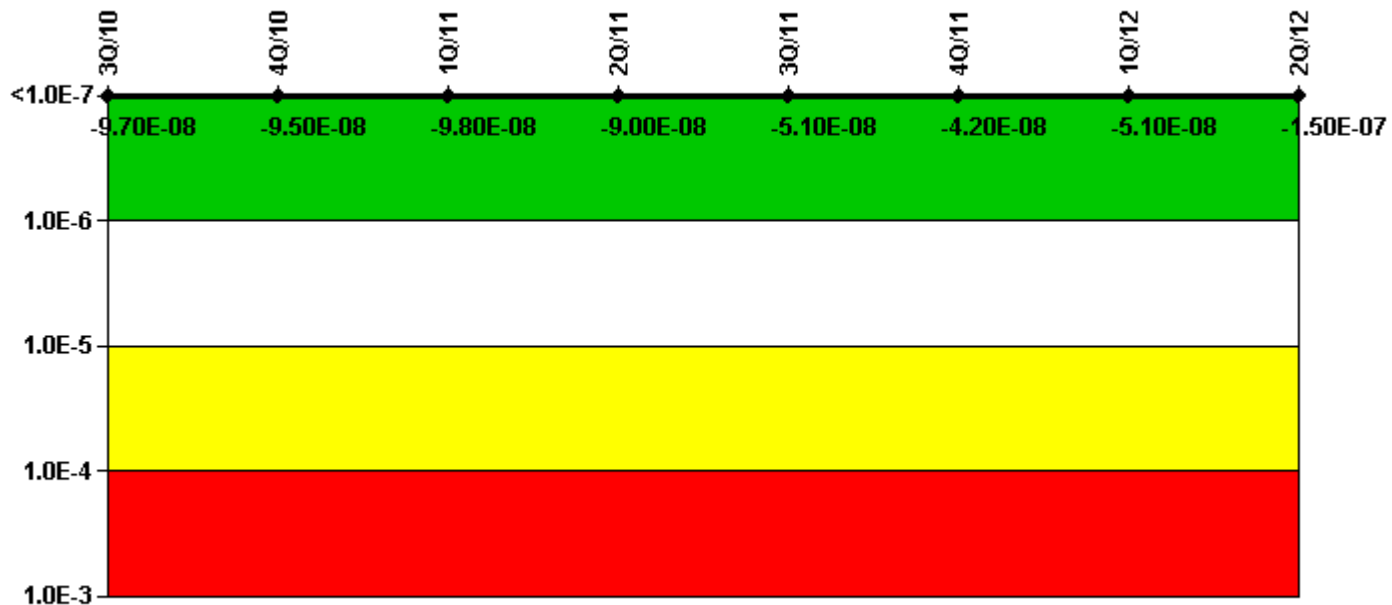
4Q/10: Changed PRA Parameter(s).

4Q/10: Changed PRA Parameter(s).

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

3Q/10: 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 (Δ CDF)	4.31E-08	4.45E-08	4.20E-08	5.01E-08	8.86E-08	9.75E-08	9.30E-08	-1.07E-08
URI (Δ CDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.70E-08	-9.50E-08	-9.80E-08	-9.00E-08	-5.10E-08	-4.20E-08	-5.10E-08	-1.50E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

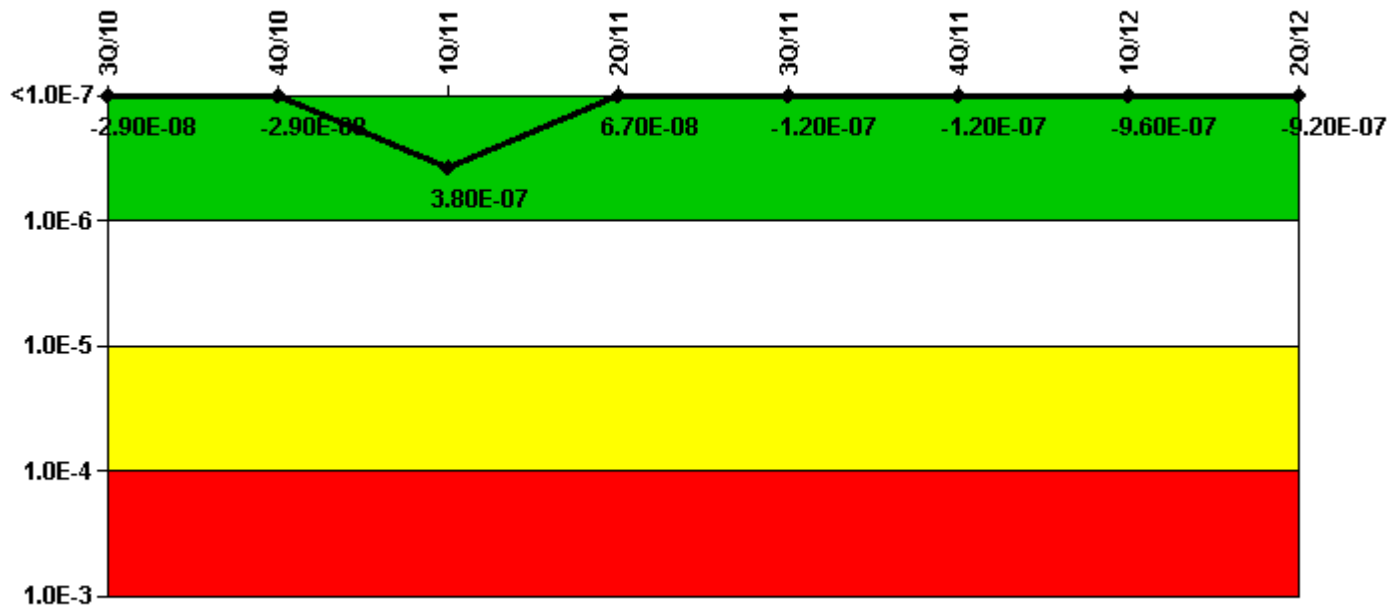
2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

4Q/10: Changed PRA Parameter(s).

3Q/10: 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 (ΔCDF)	7.85E-08	7.85E-08	4.89E-07	1.74E-07	-1.44E-08	-1.39E-08	-5.11E-07	-4.77E-07
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.10E-07	-1.10E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	-2.90E-08	3.80E-07	6.70E-08	-1.20E-07	-1.20E-07	-9.60E-07	-9.20E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

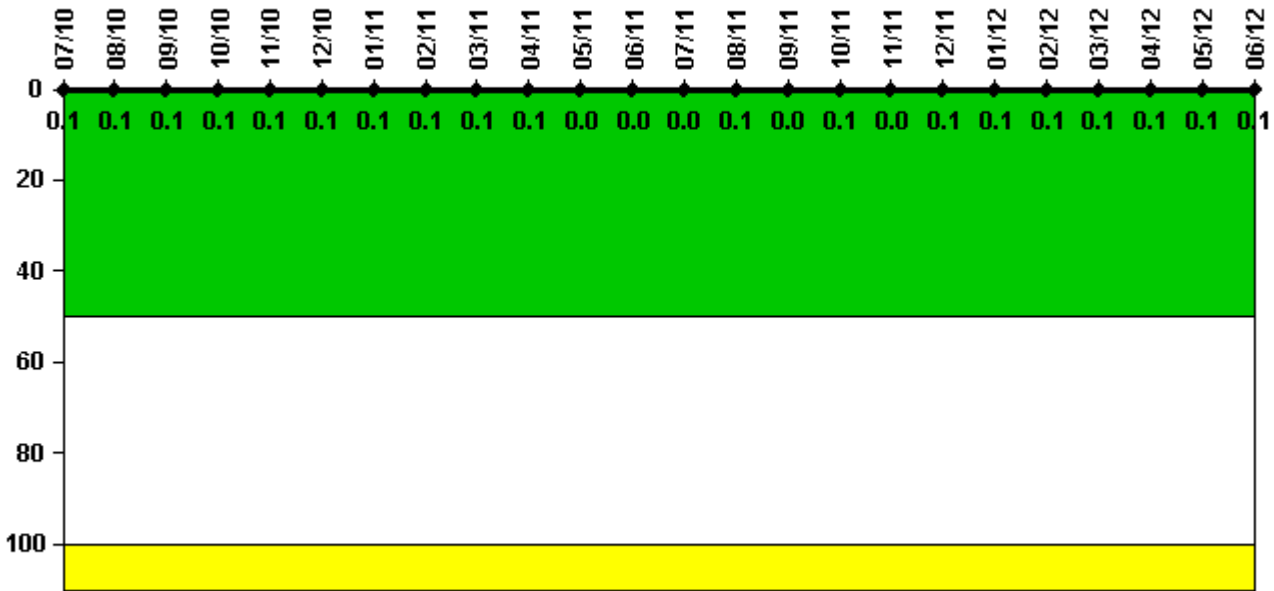
1Q/11: Changed PRA Parameter(s).

1Q/11: Risk Cap Invoked.

4Q/10: Changed PRA Parameter(s).

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

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

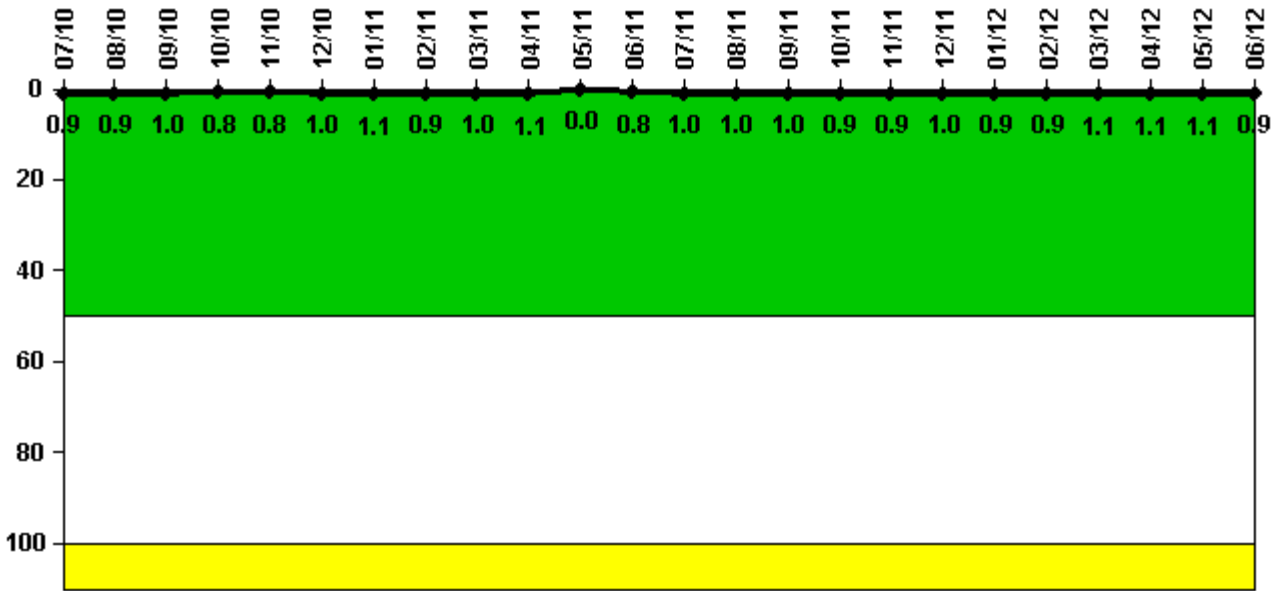
Notes

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	0.000407	0.000359	0.000378	0.000369	0.000381	0.000382	0.000410	0.000393	0.000452	0.000468	0	0.000171
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0

Reactor Coolant System Activity	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum activity	0.000185	0.000304	0.000204	0.000233	0.000222	0.000241	0.000273	0.000241	0.000266	0.000264	0.000310	0.000297
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0.1	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



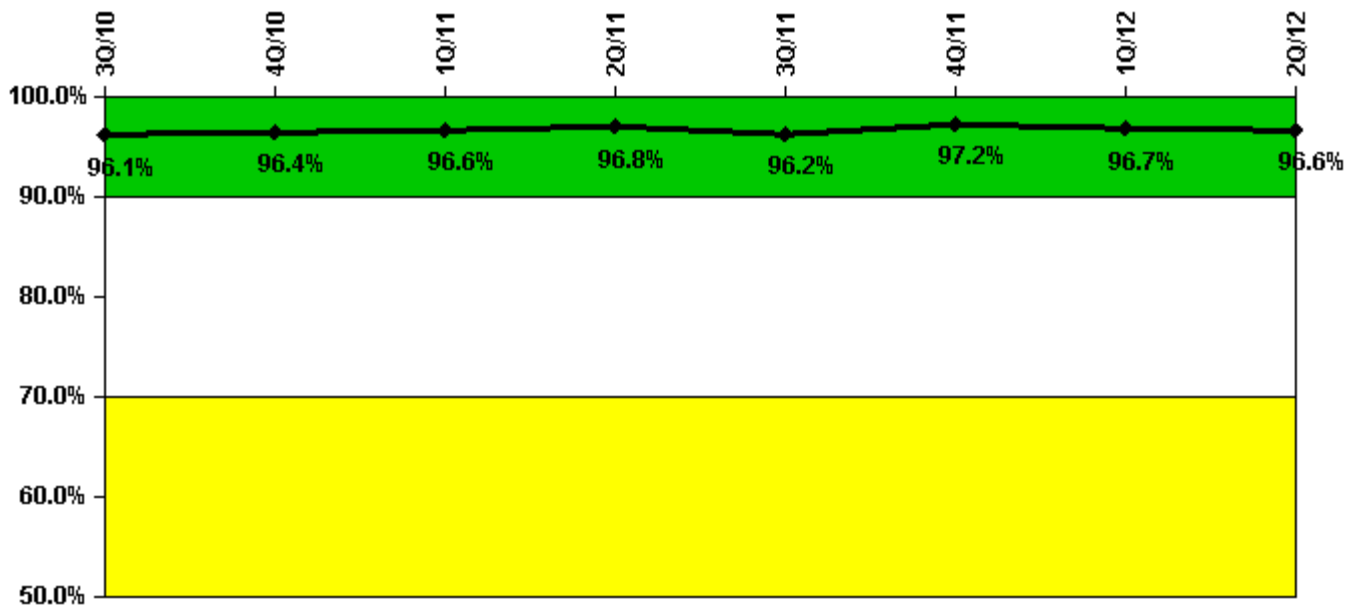
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.087	0.090	0.102	0.076	0.080	0.100	0.106	0.092	0.099	0.109	0	0.078
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	1.0	0.8	0.8	1.0	1.1	0.9	1.0	1.1	0	0.8
Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	0.103	0.103	0.098	0.086	0.094	0.097	0.094	0.094	0.106	0.105	0.108	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	1.0	1.0	0.9	0.9	1.0	0.9	0.9	1.1	1.1	1.1	0.9

Licensee Comments: none

Drill/Exercise Performance



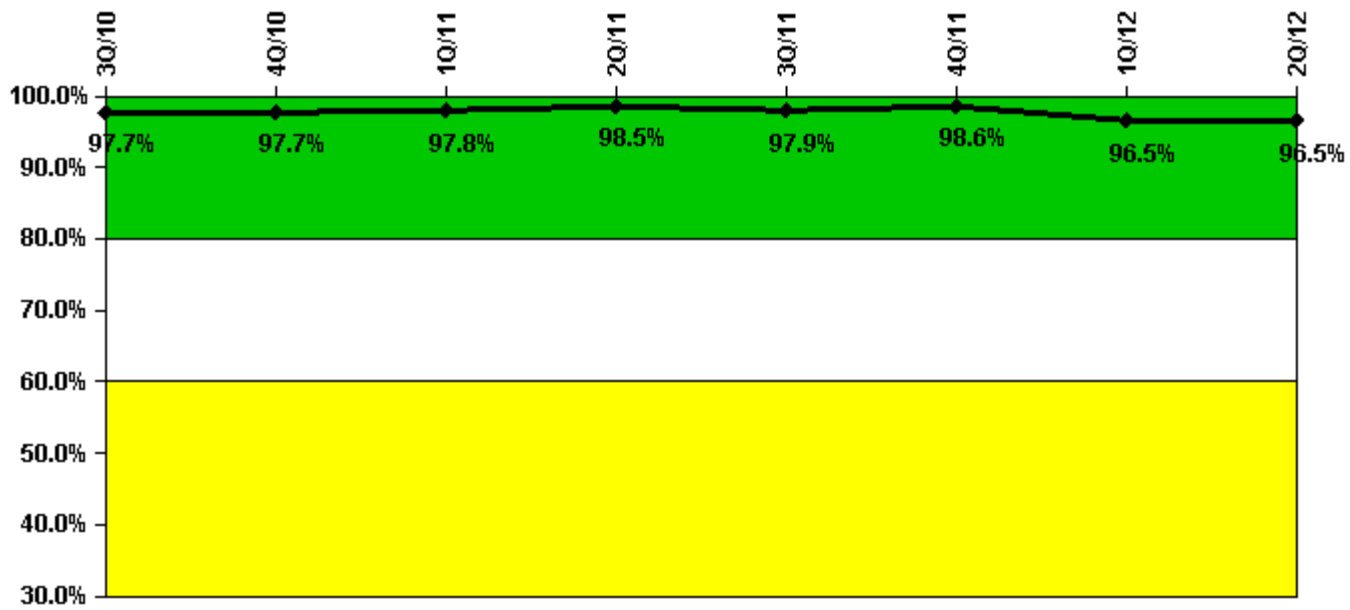
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	41.0	29.0	15.0	6.0	73.0	8.0	8.0	20.0
Total opportunities	42.0	30.0	15.0	6.0	77.0	8.0	8.0	21.0
Indicator value	96.1%	96.4%	96.6%	96.8%	96.2%	97.2%	96.7%	96.6%

Licensee Comments: none

ERO Drill Participation



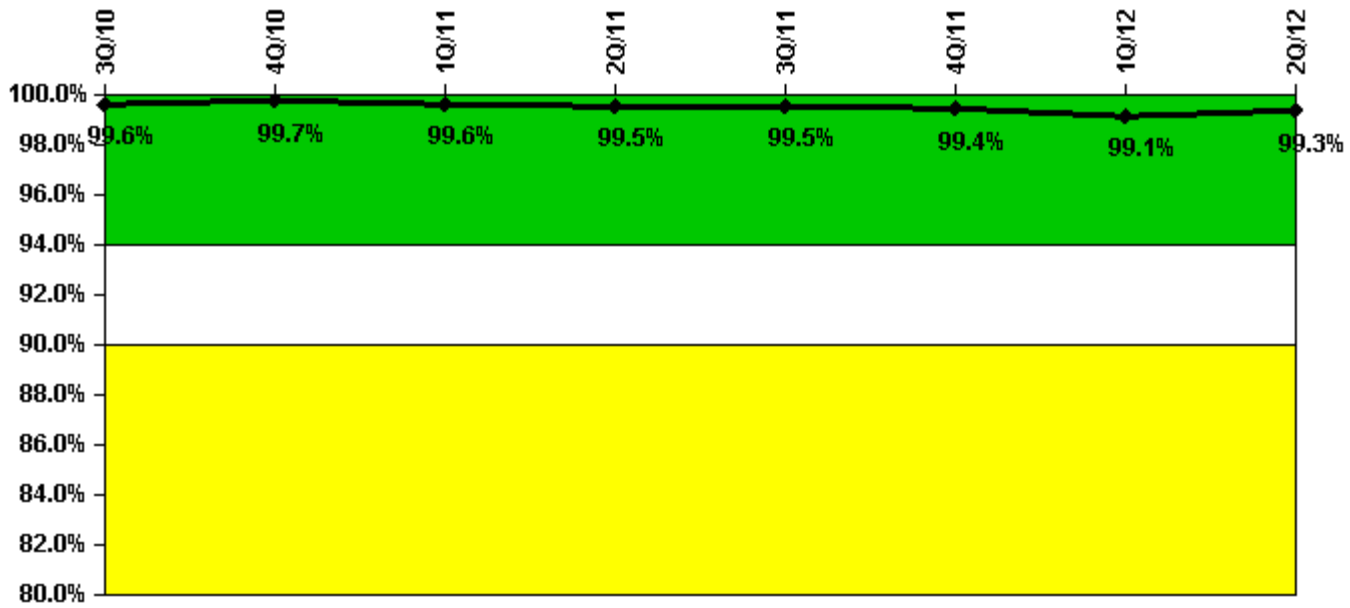
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	130.0	129.0	131.0	133.0	137.0	141.0	138.0	137.0
Total Key personnel	133.0	132.0	134.0	135.0	140.0	143.0	143.0	142.0
Indicator value	97.7%	97.7%	97.8%	98.5%	97.9%	98.6%	96.5%	96.5%

Licensee Comments: none

Alert & Notification System



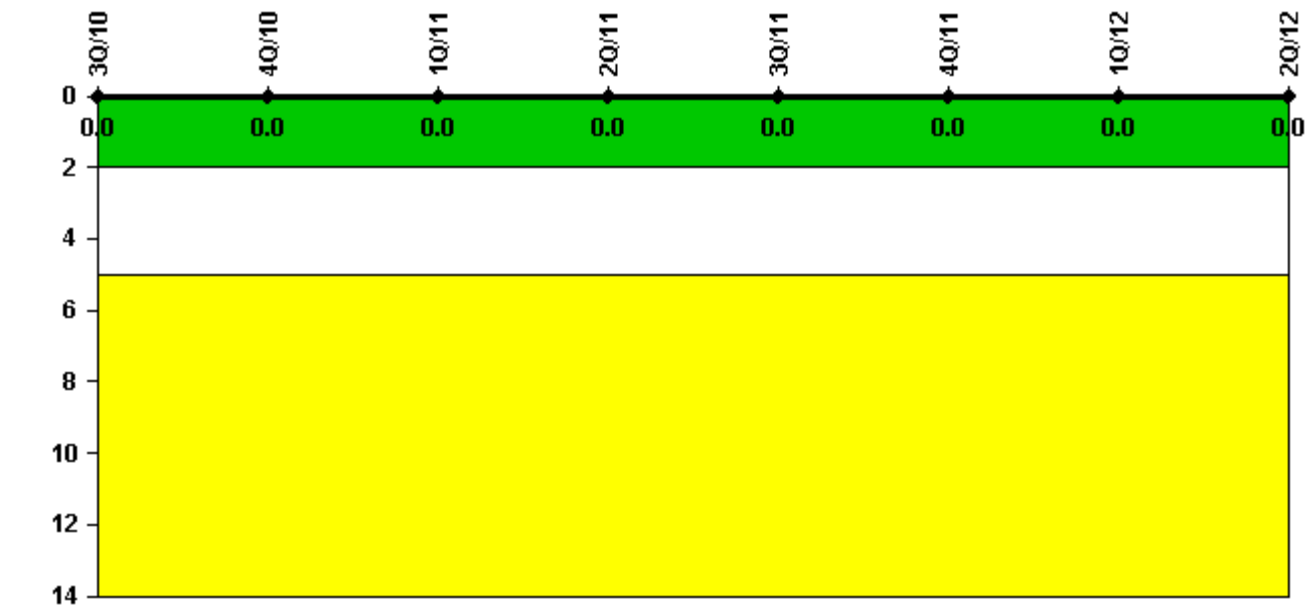
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	2483	2400	2387	2378	2395	2390	2367	2391
Total sirens-tests	2492	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.6%	99.7%	99.6%	99.5%	99.5%	99.4%	99.1%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



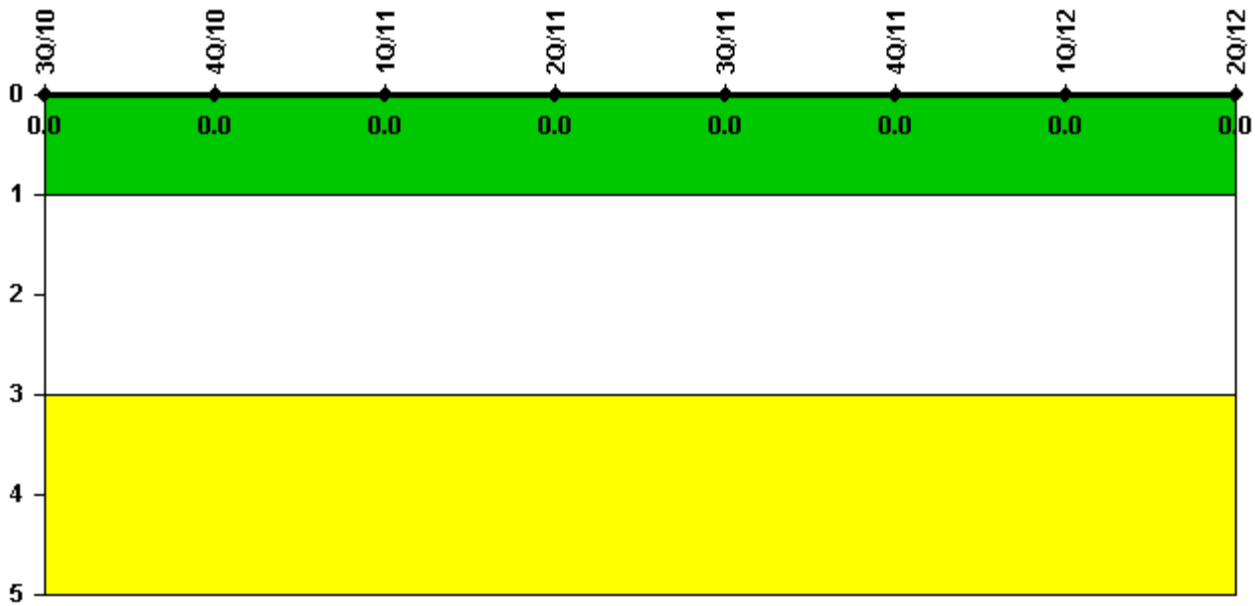
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
High radiation area occurrences	0	0	0	0	0	0	0	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/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

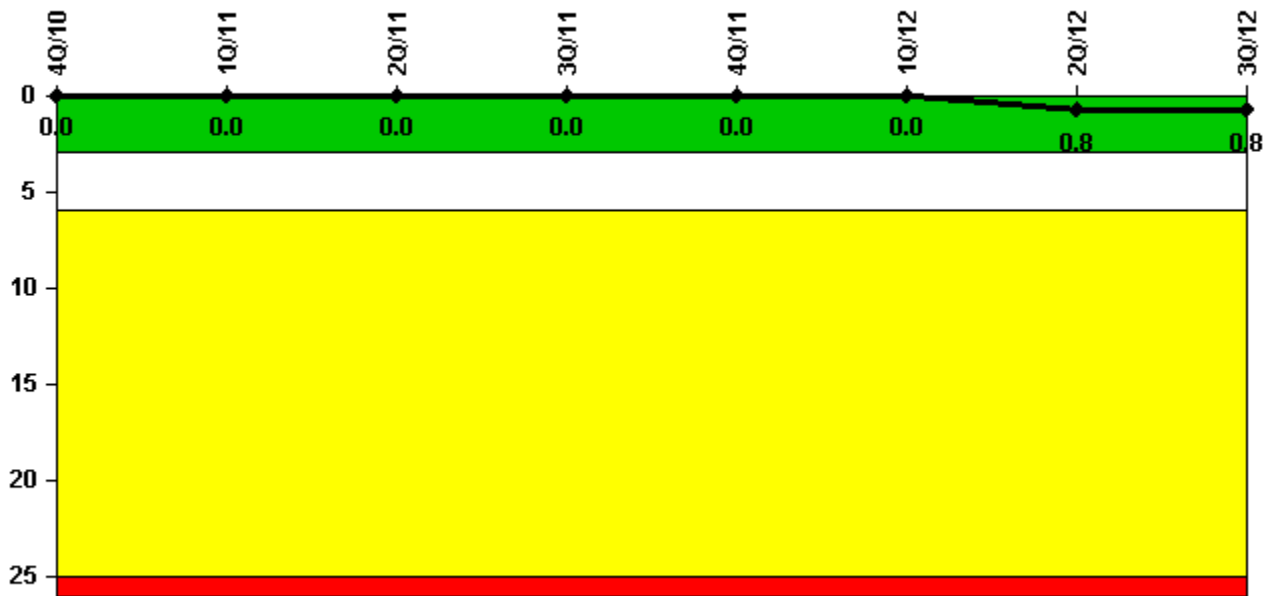
Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information 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.

Catawba 1

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



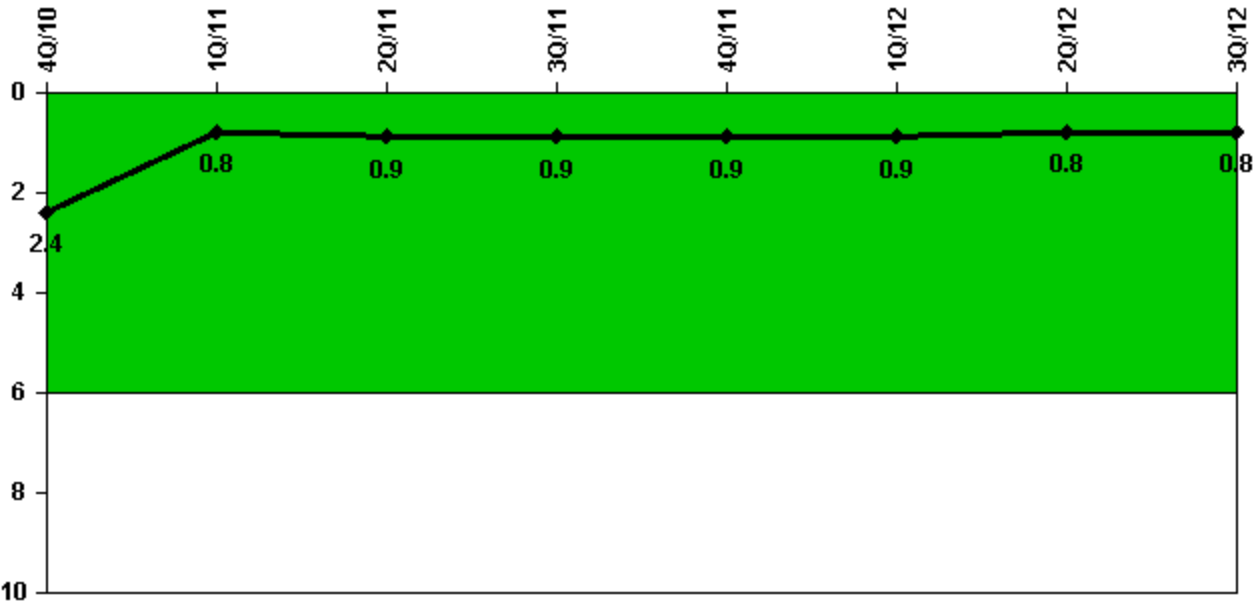
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	1169.0	2208.0	2193.3	2183.0	1912.7	2208.0
Indicator value	0	0	0	0	0	0	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



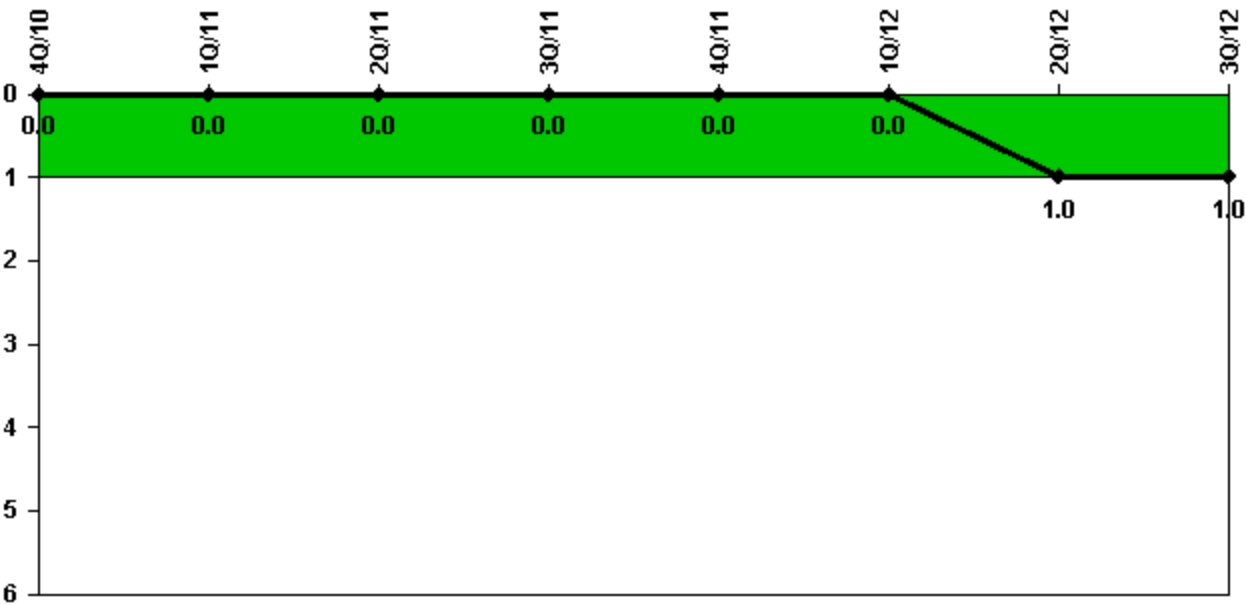
Thresholds: White > 6.0

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2159.0	1169.0	2208.0	2193.3	2183.0	1912.7	2208.0
Indicator value	2.4	0.8	0.9	0.9	0.9	0.9	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



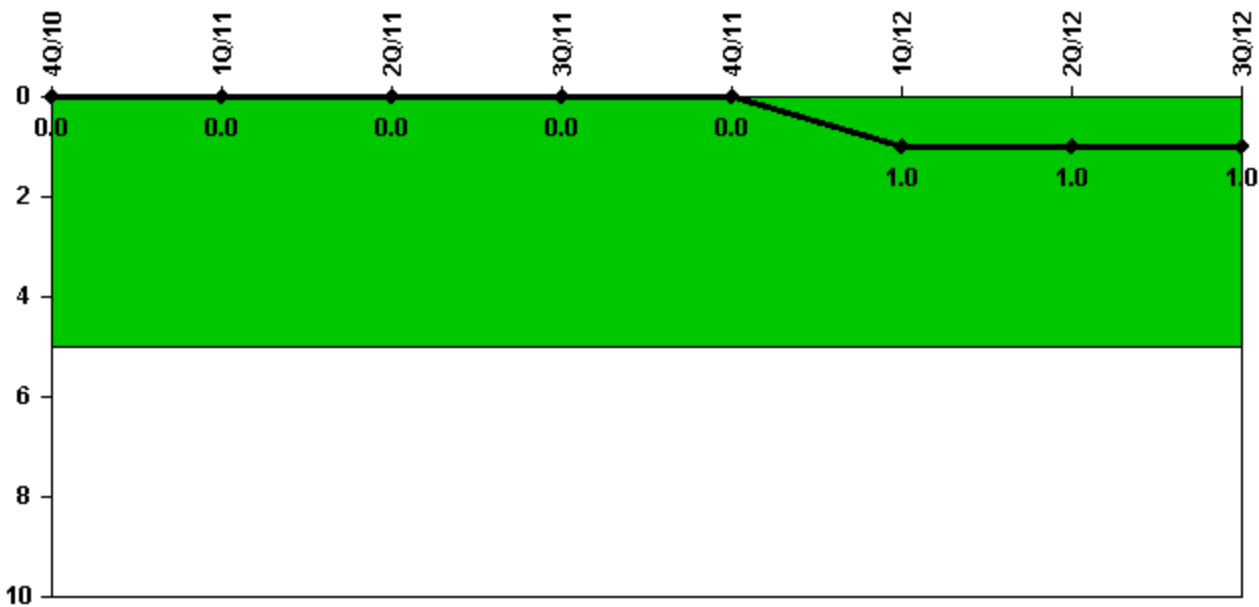
Thresholds: White > 1.0

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

Licensee Comments: none

Safety System Functional Failures (PWR)



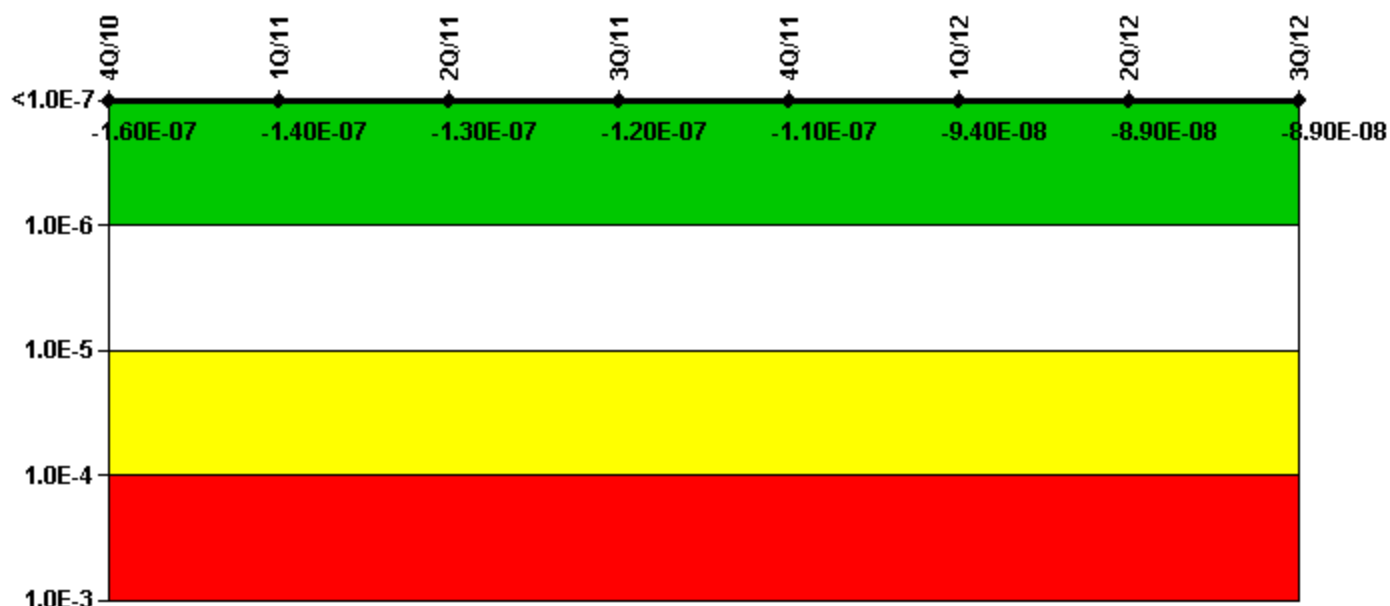
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	0	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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	2.16E-08	3.37E-08	4.93E-08	5.53E-08	6.76E-08	8.92E-08	9.35E-08	9.35E-08
URI (Δ CDF)	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.40E-07	-1.30E-07	-1.20E-07	-1.10E-07	-9.40E-08	-8.90E-08	-8.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

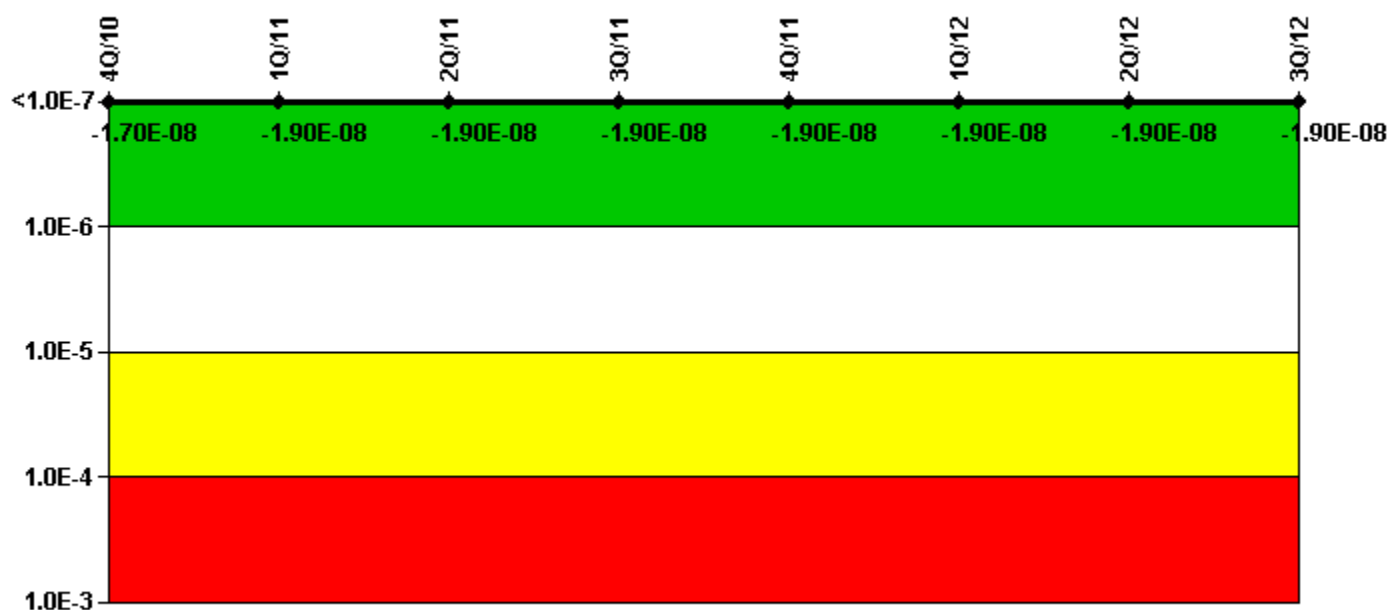
3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

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)	-5.69E-09	-7.57E-09	-7.57E-09	-7.57E-09	-7.57E-09	-7.78E-09	-7.78E-09	-7.78E-09
URI (Δ CDF)	-1.14E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

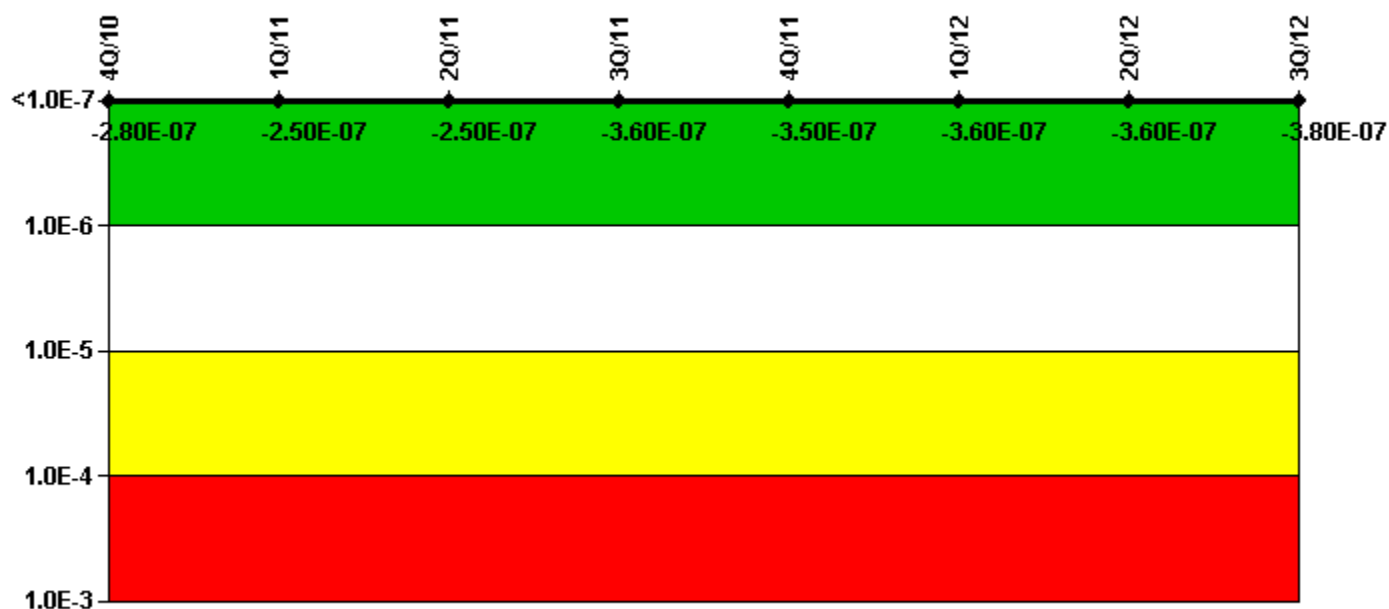
3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

4Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	6.28E-08	9.58E-08	9.50E-08	-1.20E-08	-1.89E-09	-9.11E-09	-1.17E-08	-2.24E-08
URI (Δ CDF)	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.53E-07	-3.53E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.80E-07	-2.50E-07	-2.50E-07	-3.60E-07	-3.50E-07	-3.60E-07	-3.60E-07	-3.80E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

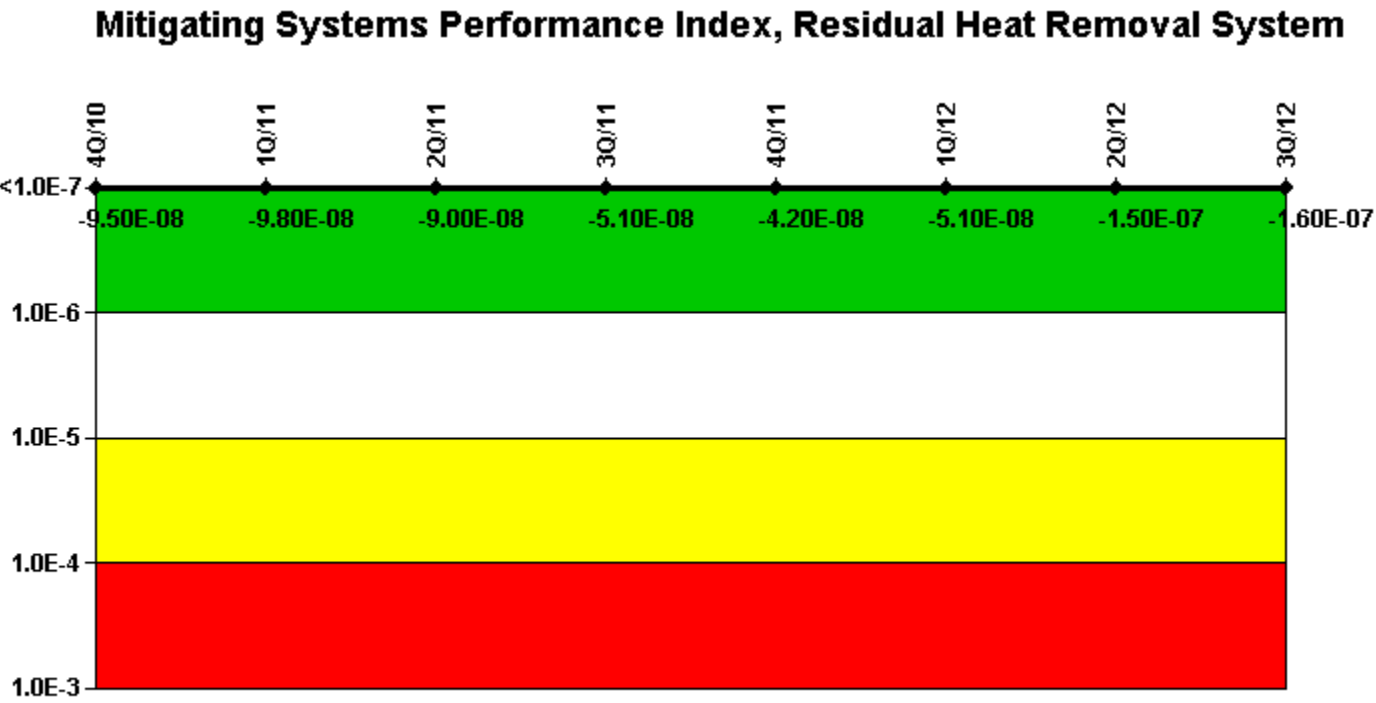
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

- 1Q/11: Changed PRA Parameter(s).
- 1Q/11: Changed PRA Parameter(s).
- 4Q/10: Changed PRA Parameter(s).
- 4Q/10: Changed PRA Parameter(s).



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)	4.45E-08	4.20E-08	5.01E-08	8.86E-08	9.75E-08	9.30E-08	-1.07E-08	-1.20E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.50E-08	-9.80E-08	-9.00E-08	-5.10E-08	-4.20E-08	-5.10E-08	-1.50E-07	-1.60E-07

Licensee Comments:

- 1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

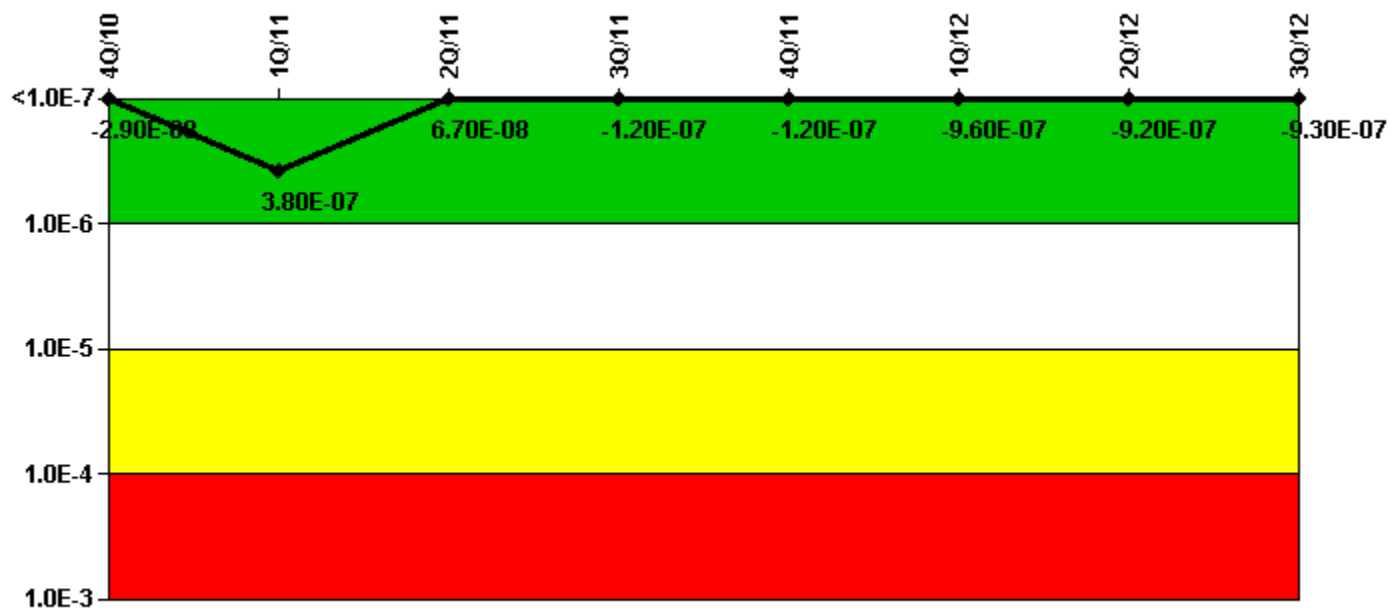
3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

4Q/10: 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)	7.85E-08	4.89E-07	1.74E-07	-1.44E-08	-1.39E-08	-5.11E-07	-4.77E-07	-4.84E-07
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.10E-07	-1.10E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	3.80E-07	6.70E-08	-1.20E-07	-1.20E-07	-9.60E-07	-9.20E-07	-9.30E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

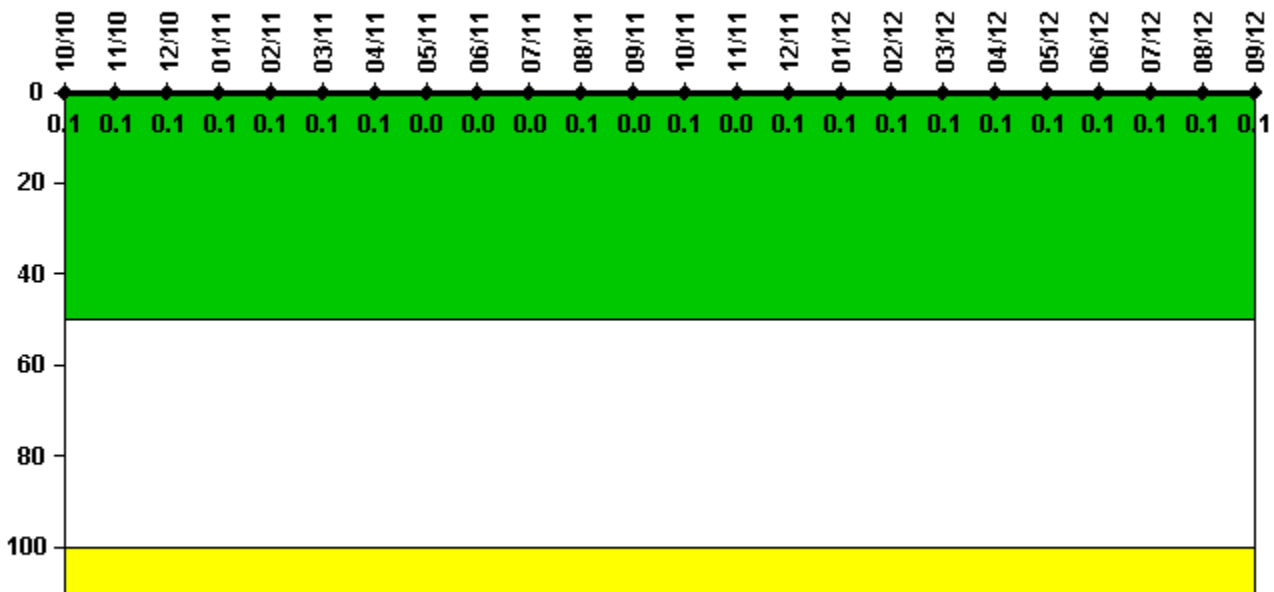
3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

1Q/11: Risk Cap Invoked.

4Q/10: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

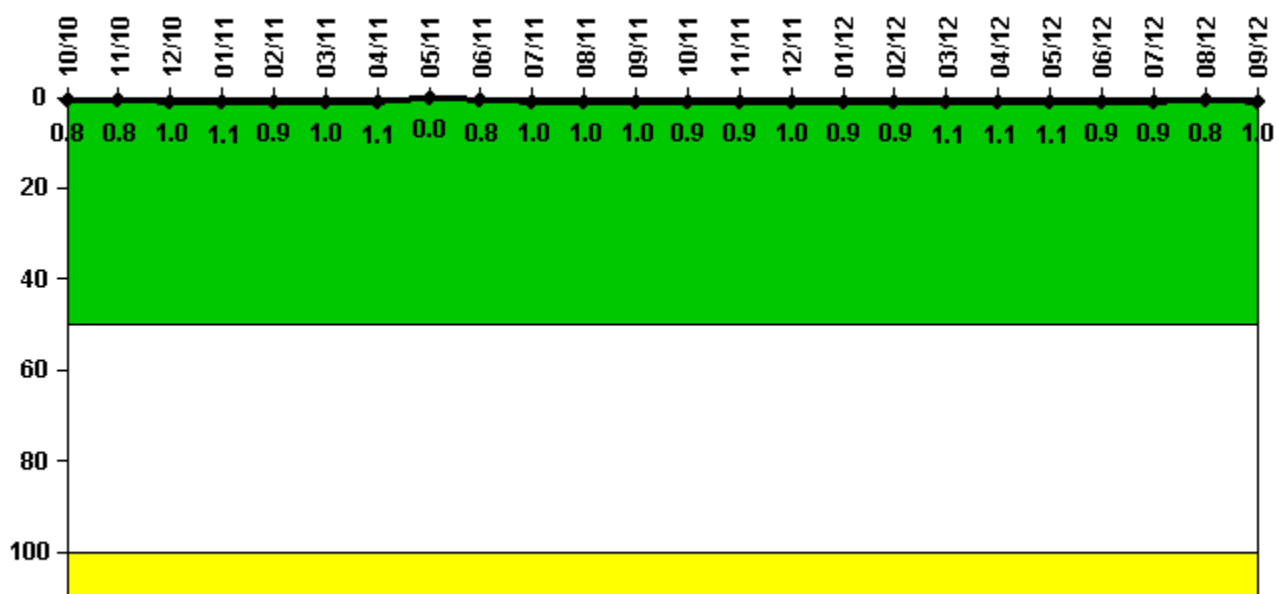
Notes

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	0.000369	0.000381	0.000382	0.000410	0.000393	0.000452	0.000468	0	0.000171	0.000185	0.000304	0.000204
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	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	0.000233	0.000222	0.000241	0.000273	0.000241	0.000266	0.000264	0.000310	0.000297	0.000302	0.000312	0.000354
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

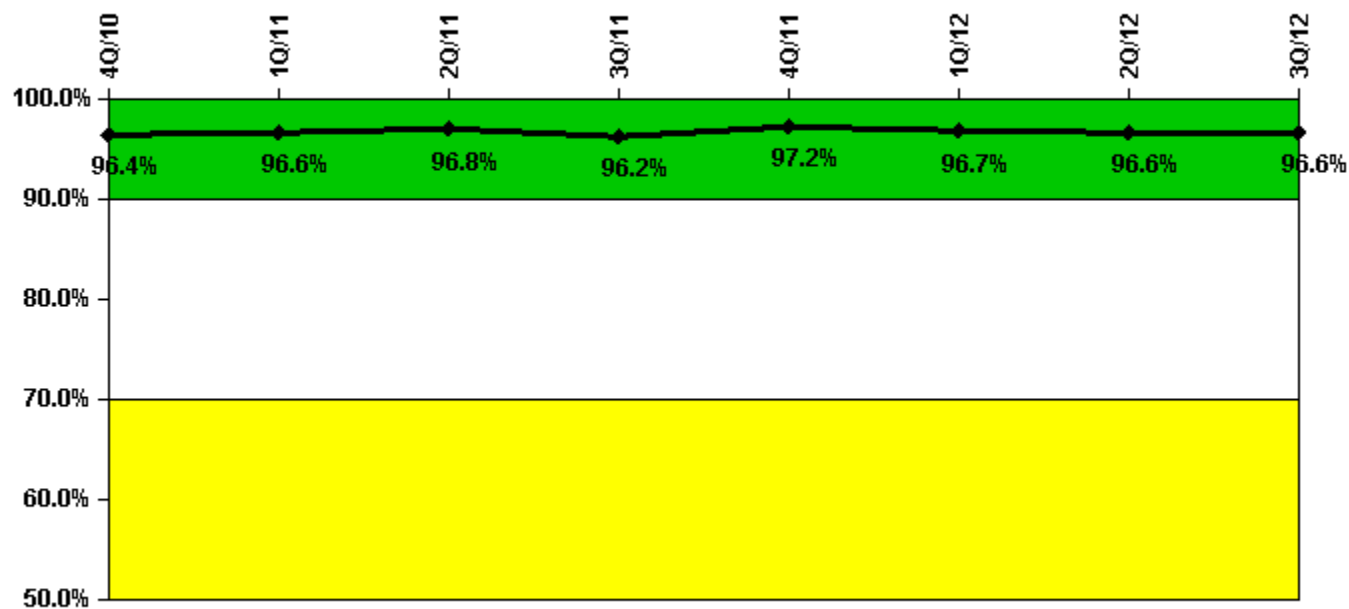
Notes

Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.076	0.080	0.100	0.106	0.092	0.099	0.109	0	0.078	0.103	0.103	0.098
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.8	1.0	1.1	0.9	1.0	1.1	0	0.8	1.0	1.0	1.0

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	0.086	0.094	0.097	0.094	0.094	0.106	0.105	0.108	0.090	0.091	0.083	0.099
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	1.0	0.9	0.9	1.1	1.1	1.1	0.9	0.9	0.8	1.0

Licensee Comments: none

Drill/Exercise Performance



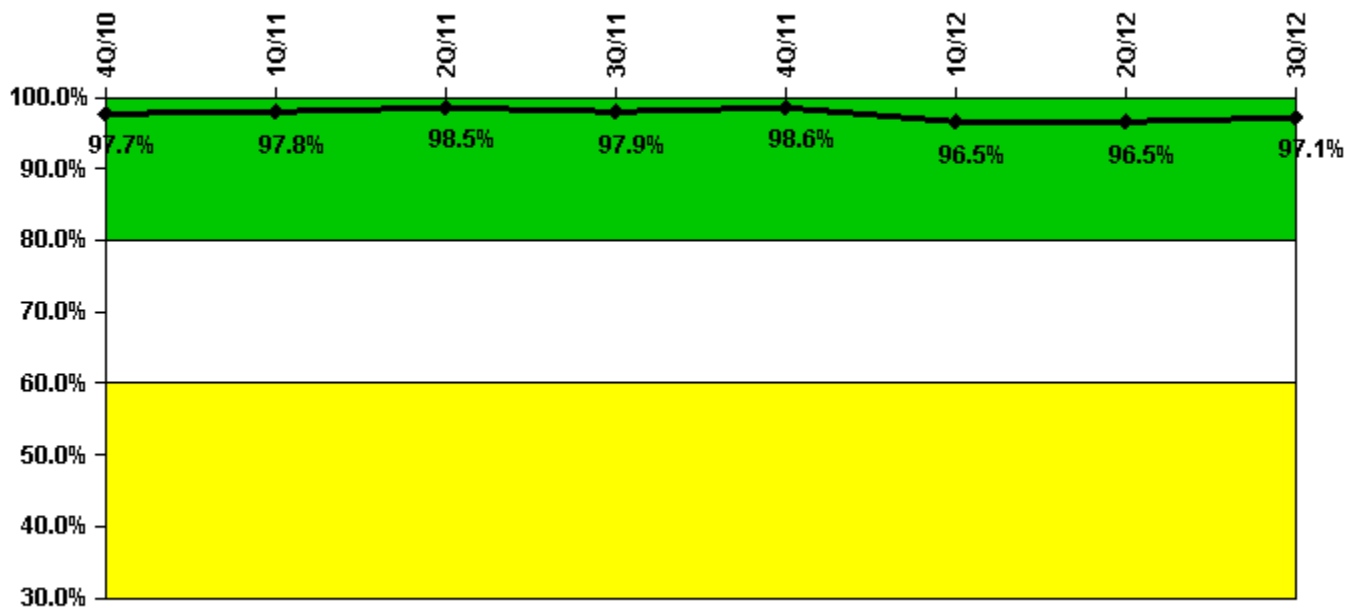
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	29.0	15.0	6.0	73.0	8.0	8.0	20.0	41.0
Total opportunities	30.0	15.0	6.0	77.0	8.0	8.0	21.0	42.0
Indicator value	96.4%	96.6%	96.8%	96.2%	97.2%	96.7%	96.6%	96.6%

Licensee Comments: none

ERO Drill Participation



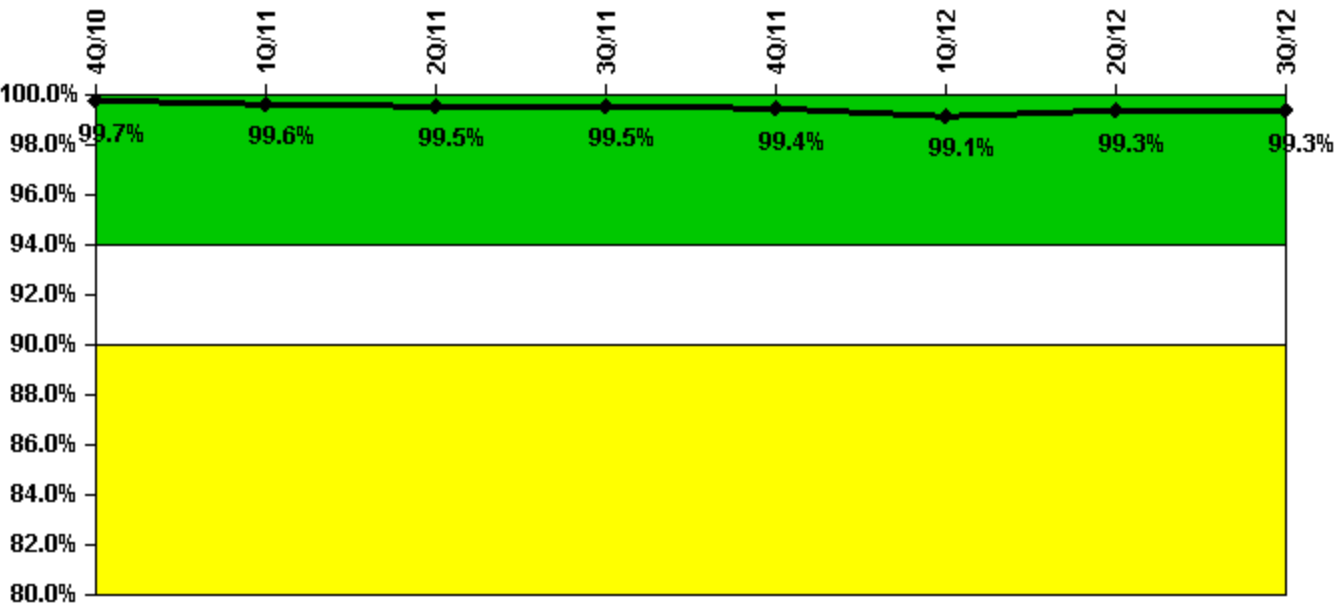
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	129.0	131.0	133.0	137.0	141.0	138.0	137.0	136.0
Total Key personnel	132.0	134.0	135.0	140.0	143.0	143.0	142.0	140.0
Indicator value	97.7%	97.8%	98.5%	97.9%	98.6%	96.5%	96.5%	97.1%

Licensee Comments: none

Alert & Notification System



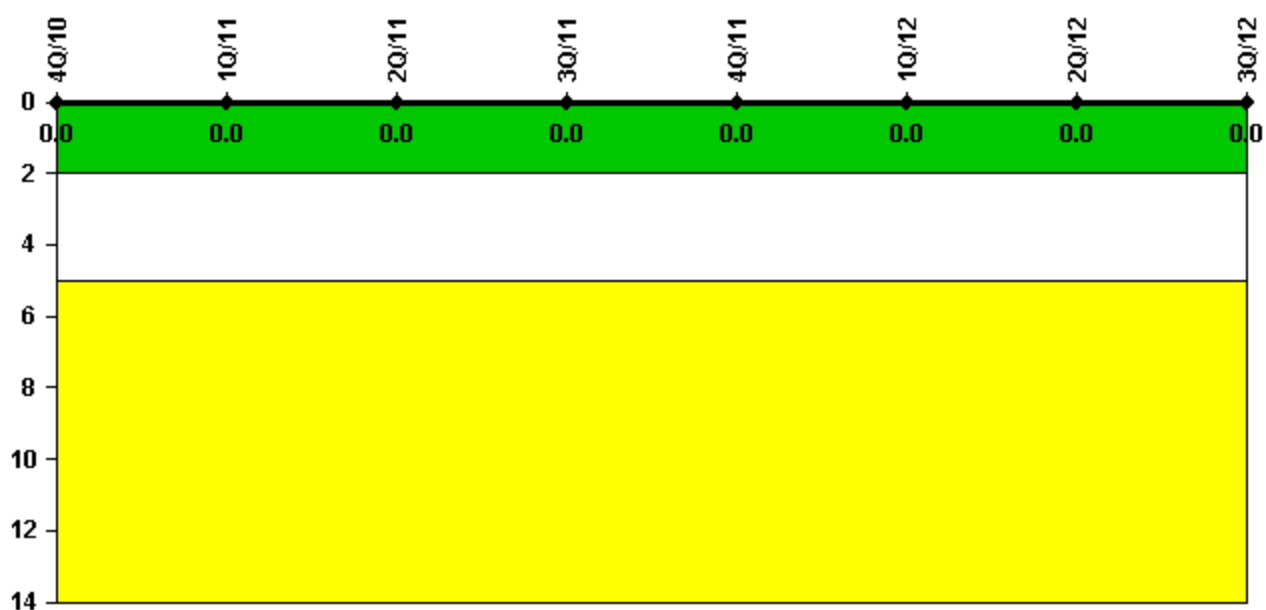
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	2400	2387	2378	2395	2390	2367	2391	2397
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2403
Indicator value	99.7%	99.6%	99.5%	99.5%	99.4%	99.1%	99.3%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



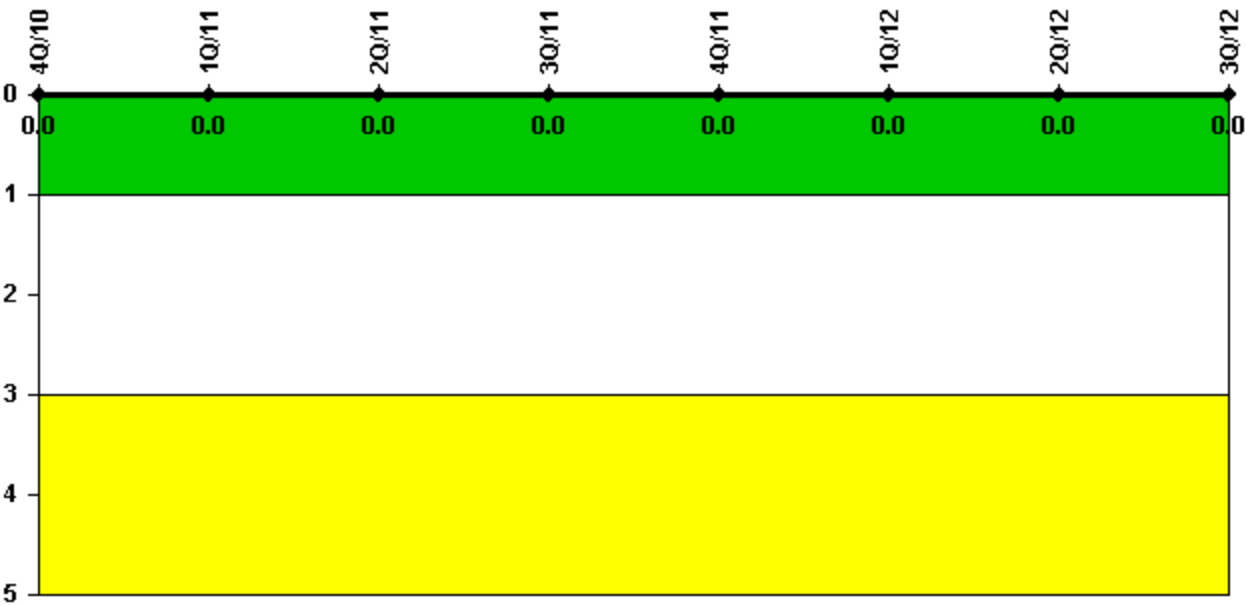
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
High radiation area occurrences	0	0	0	0	0	0	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/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](#)

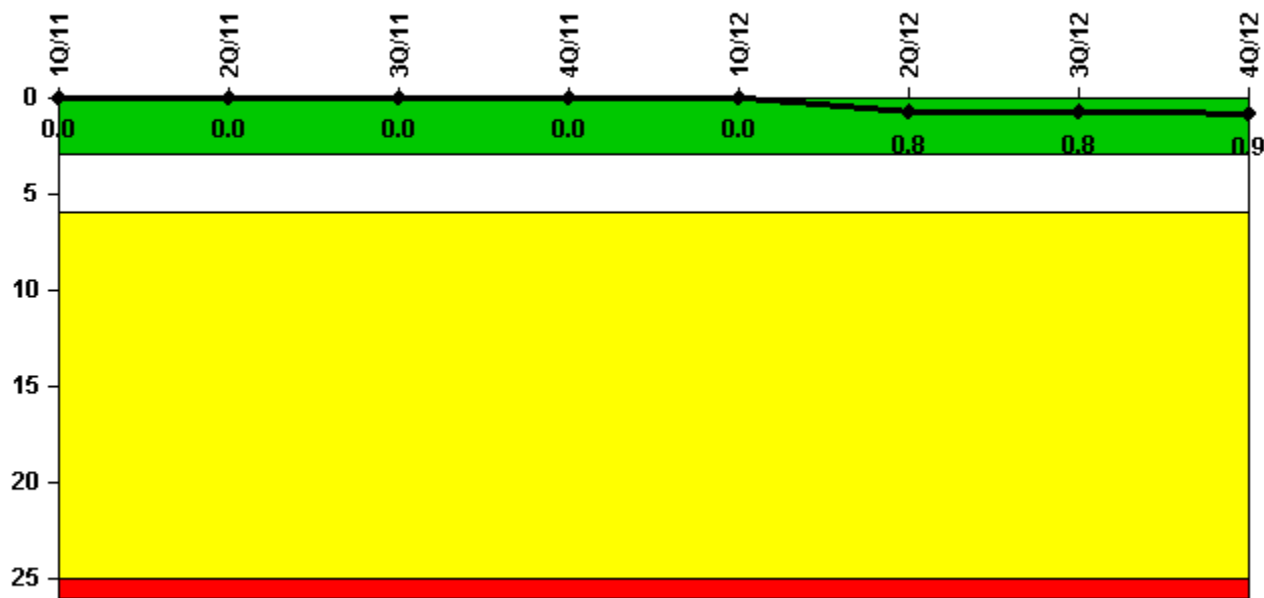
Last Modified: October 24, 2012

Catawba 1

4Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



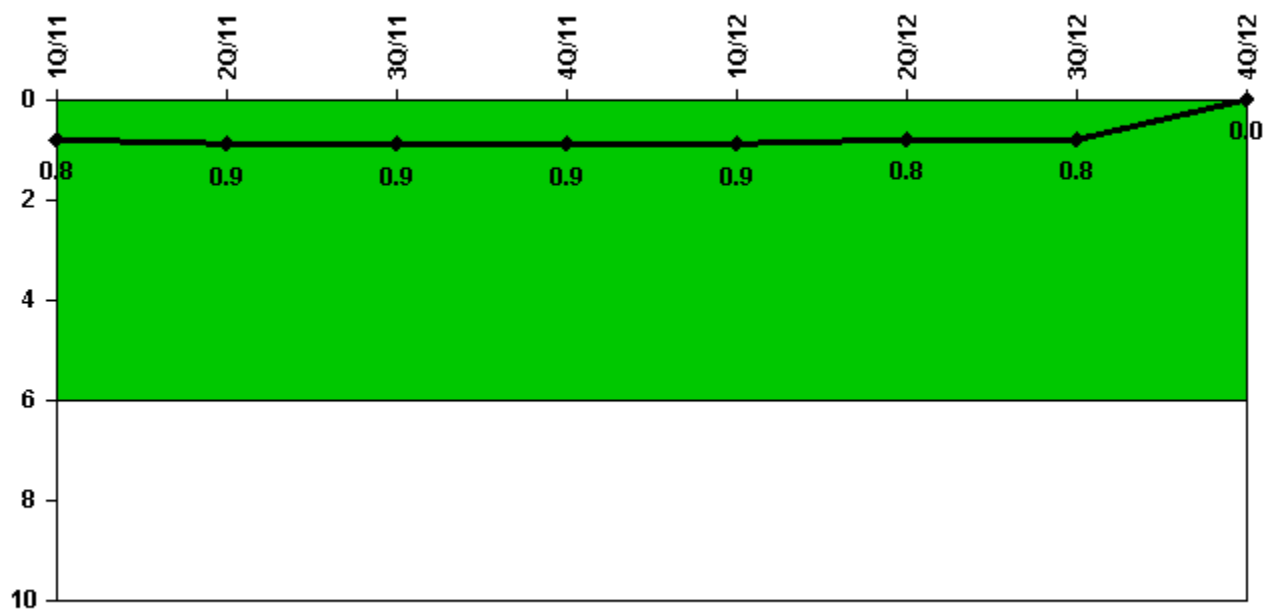
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2159.0	1169.0	2208.0	2193.3	2183.0	1912.7	2208.0	1417.1
Indicator value	0	0	0	0	0	0.8	0.8	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



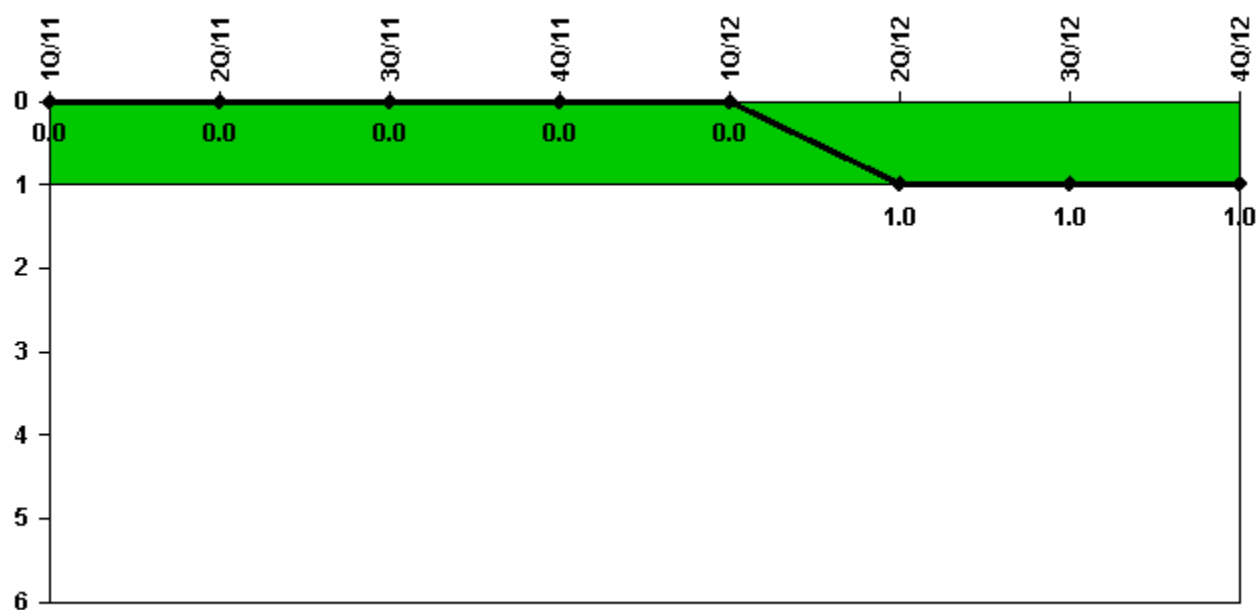
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2159.0	1169.0	2208.0	2193.3	2183.0	1912.7	2208.0	1417.1
Indicator value	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0

Licensee Comments: none

Unplanned Scrams with Complications



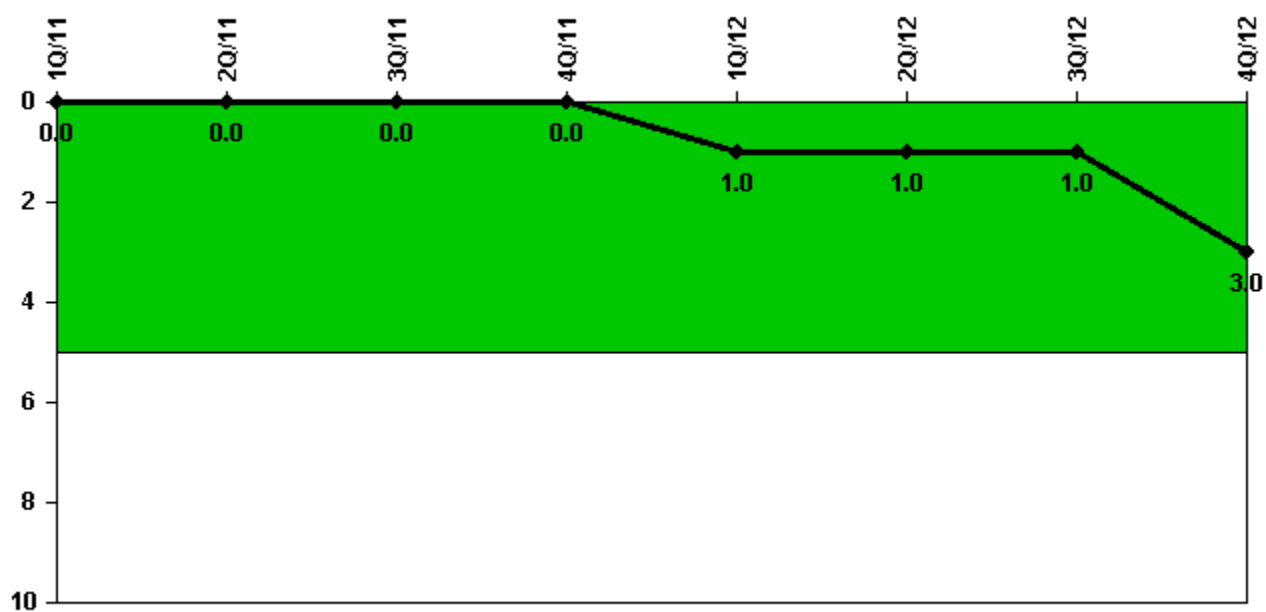
Thresholds: White > 1.0

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

Licensee Comments: none

Safety System Functional Failures (PWR)



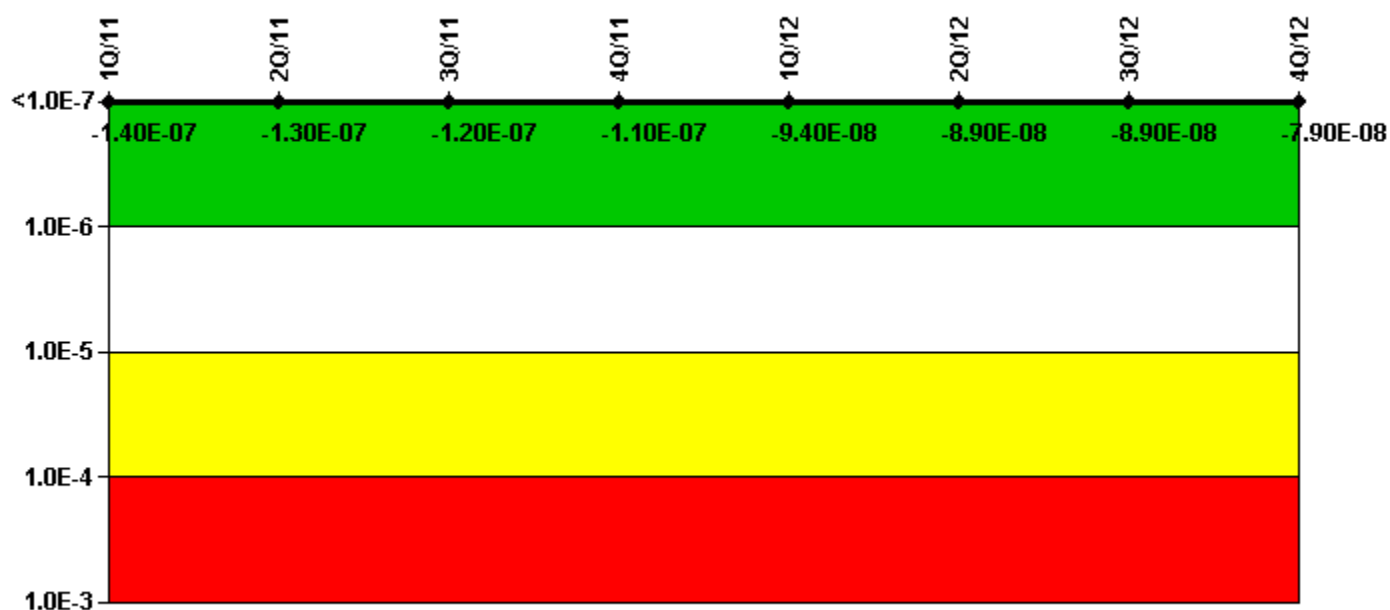
Thresholds: White > 5.0

Notes

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

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)	3.37E-08	4.93E-08	5.53E-08	6.76E-08	8.92E-08	9.35E-08	9.35E-08	1.04E-07
URI (Δ CDF)	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-1.30E-07	-1.20E-07	-1.10E-07	-9.40E-08	-8.90E-08	-8.90E-08	-7.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

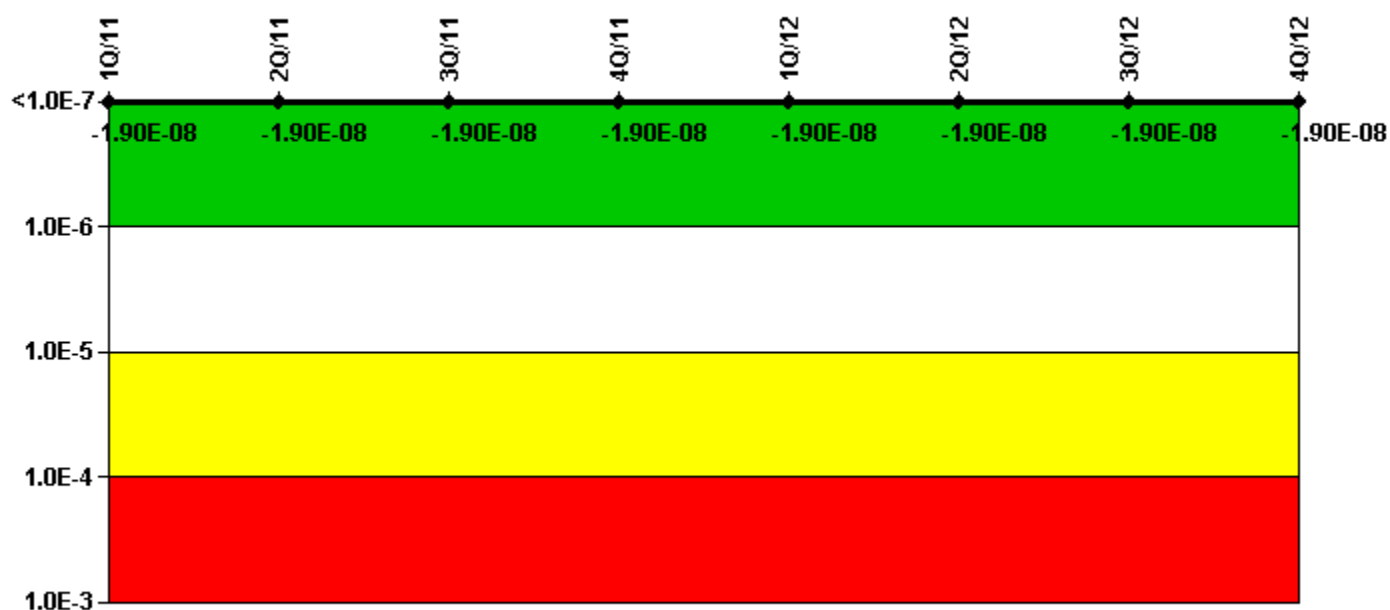
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-7.57E-09	-7.57E-09	-7.57E-09	-7.57E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09
URI (Δ CDF)	-1.14E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

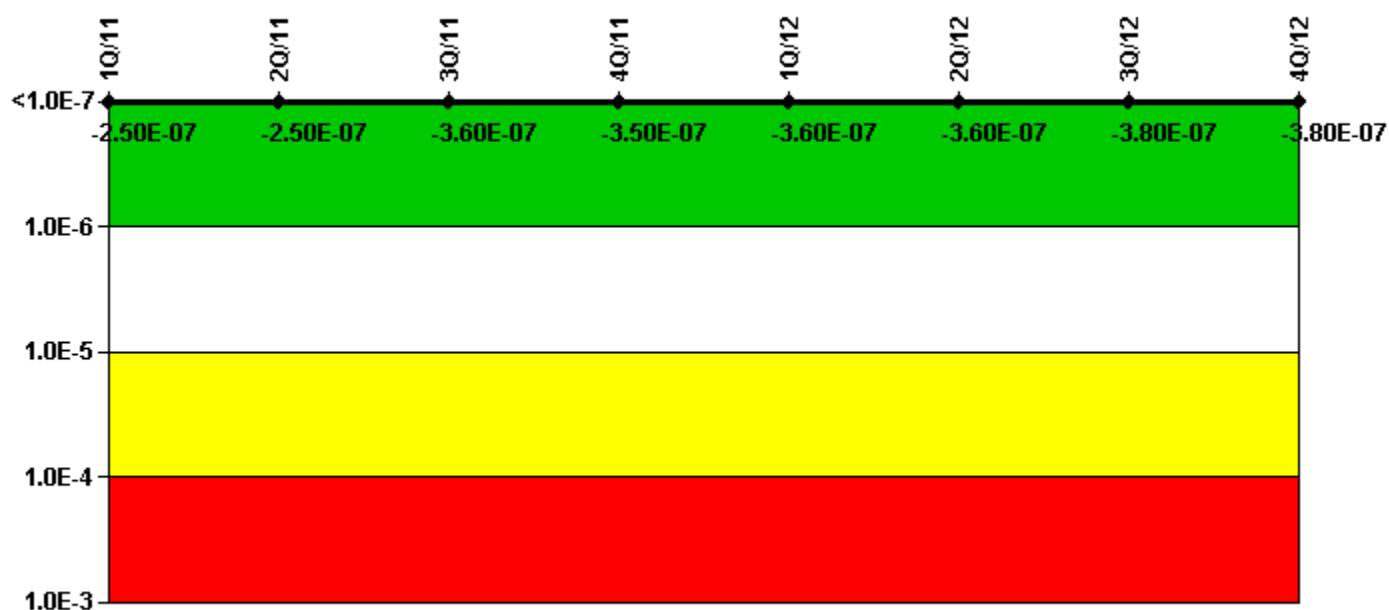
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/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)	9.58E-08	9.50E-08	-1.20E-08	-1.89E-09	-9.11E-09	-1.17E-08	-2.24E-08	-2.32E-08
URI (Δ CDF)	-3.43E-07	-3.43E-07	-3.43E-07	-3.43E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-07	-2.50E-07	-3.60E-07	-3.50E-07	-3.60E-07	-3.60E-07	-3.80E-07	-3.80E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

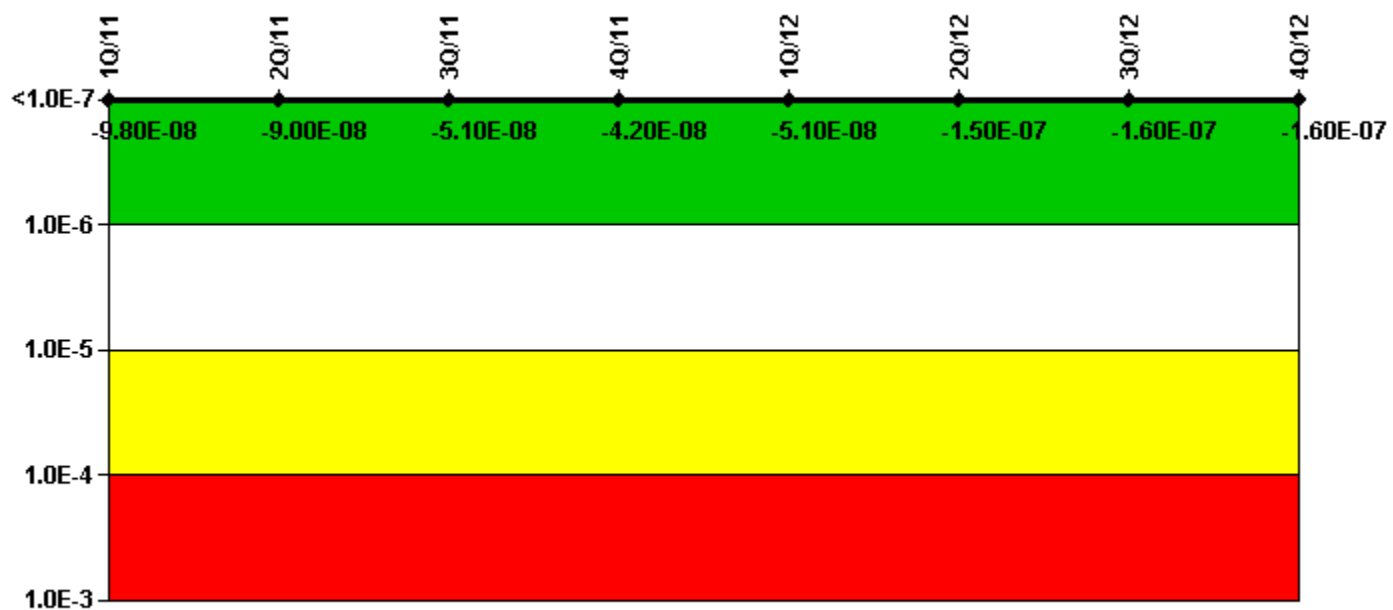
2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

1Q/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 (Δ CDF)	4.20E-08	5.01E-08	8.86E-08	9.75E-08	9.30E-08	-1.07E-08	-1.20E-08	-1.14E-08
URI (Δ CDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.80E-08	-9.00E-08	-5.10E-08	-4.20E-08	-5.10E-08	-1.50E-07	-1.60E-07	-1.60E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

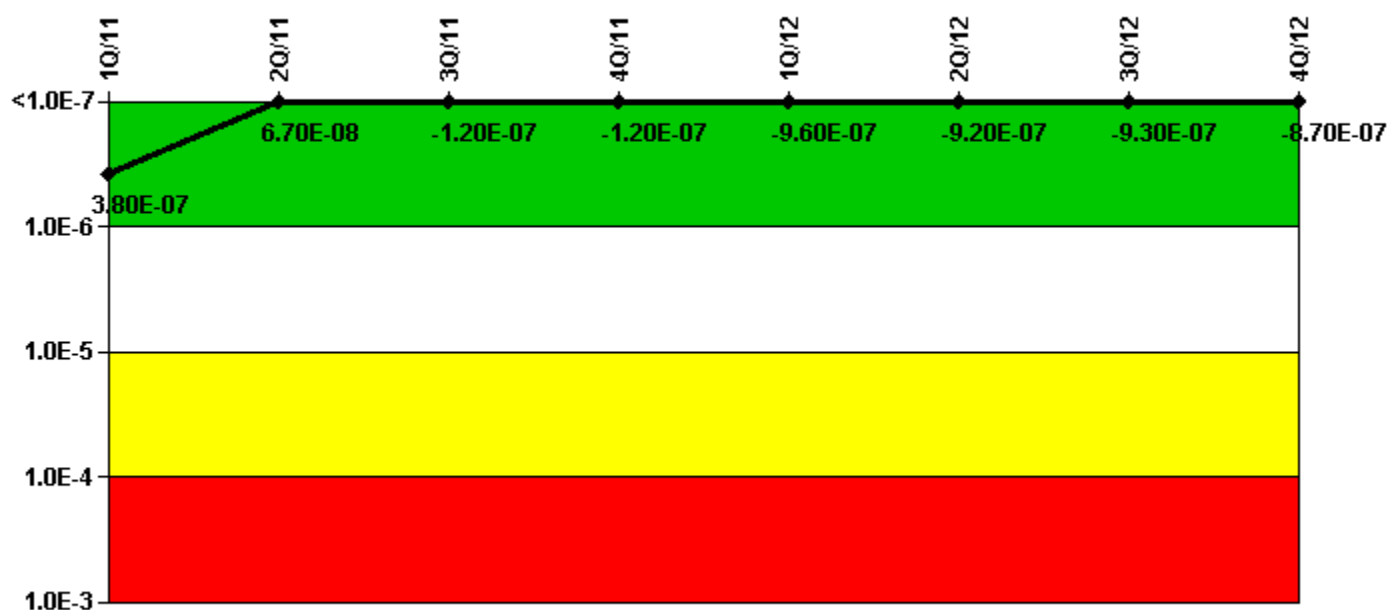
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/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 (ΔCDF)	4.89E-07	1.74E-07	-1.44E-08	-1.39E-08	-5.11E-07	-4.77E-07	-4.84E-07	-4.22E-07
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.10E-07	-1.10E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.80E-07	6.70E-08	-1.20E-07	-1.20E-07	-9.60E-07	-9.20E-07	-9.30E-07	-8.70E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

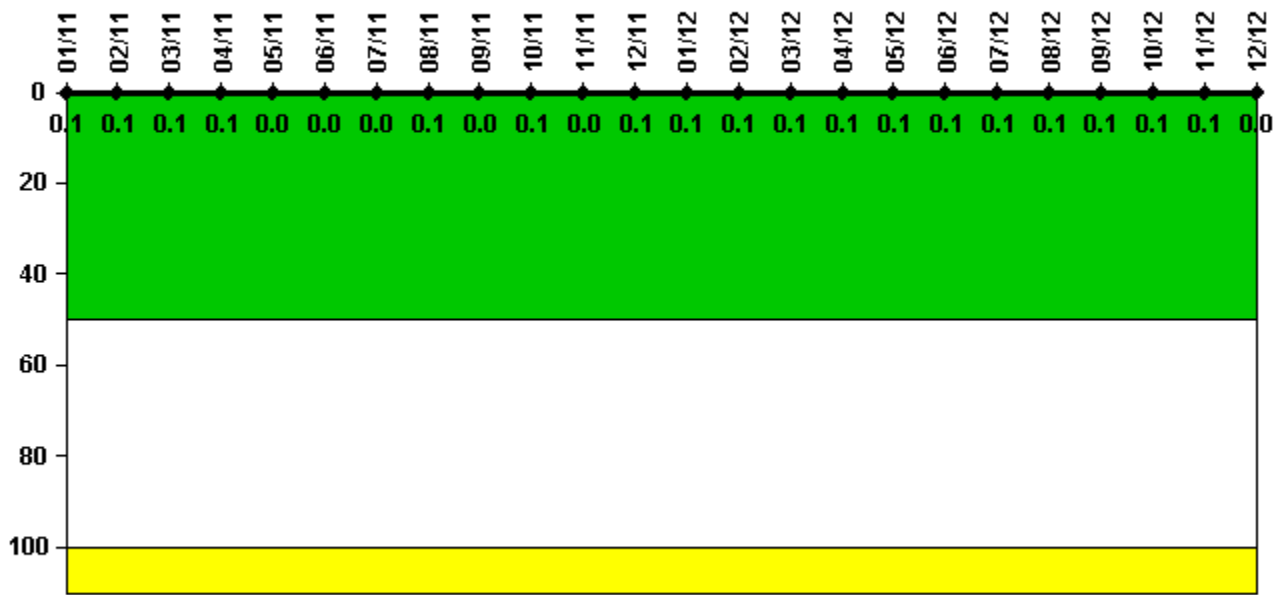
3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

1Q/11: Changed PRA Parameter(s).

1Q/11: Risk Cap Invoked.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

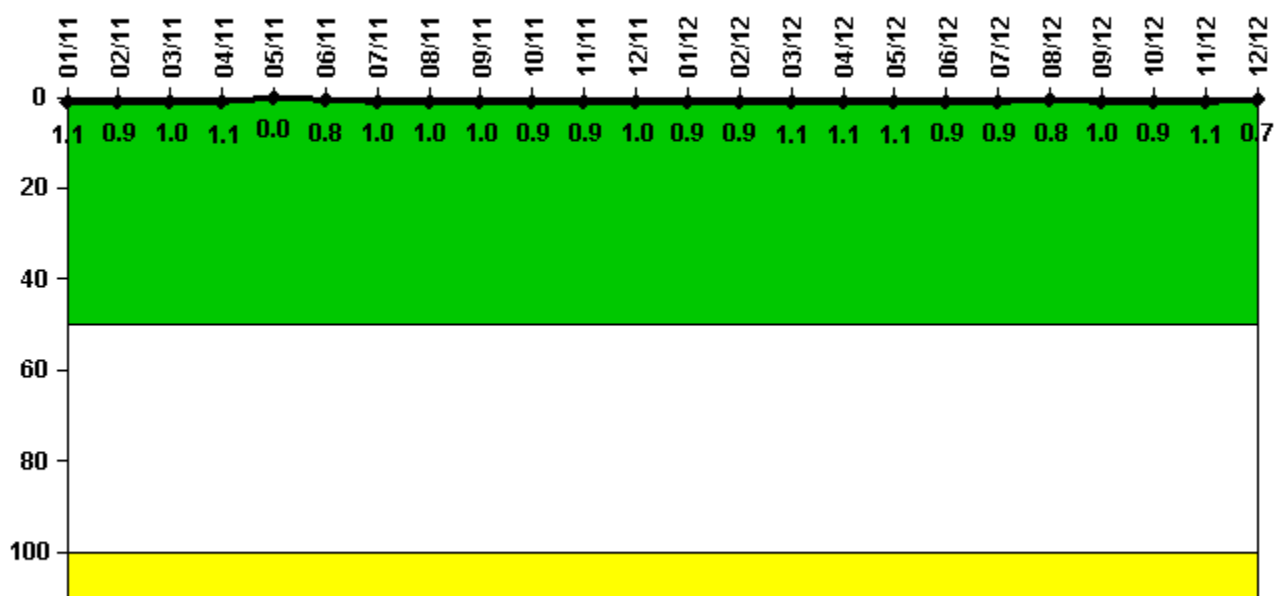
Notes

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	0.000410	0.000393	0.000452	0.000468	0	0.000171	0.000185	0.000304	0.000204	0.000233	0.000222	0.000241
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0	0	0	0.1	0	0.1	0	0.1

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	0.000273	0.000241	0.000266	0.000264	0.000310	0.000297	0.000302	0.000312	0.000354	0.000323	0.000304	0.000020
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage

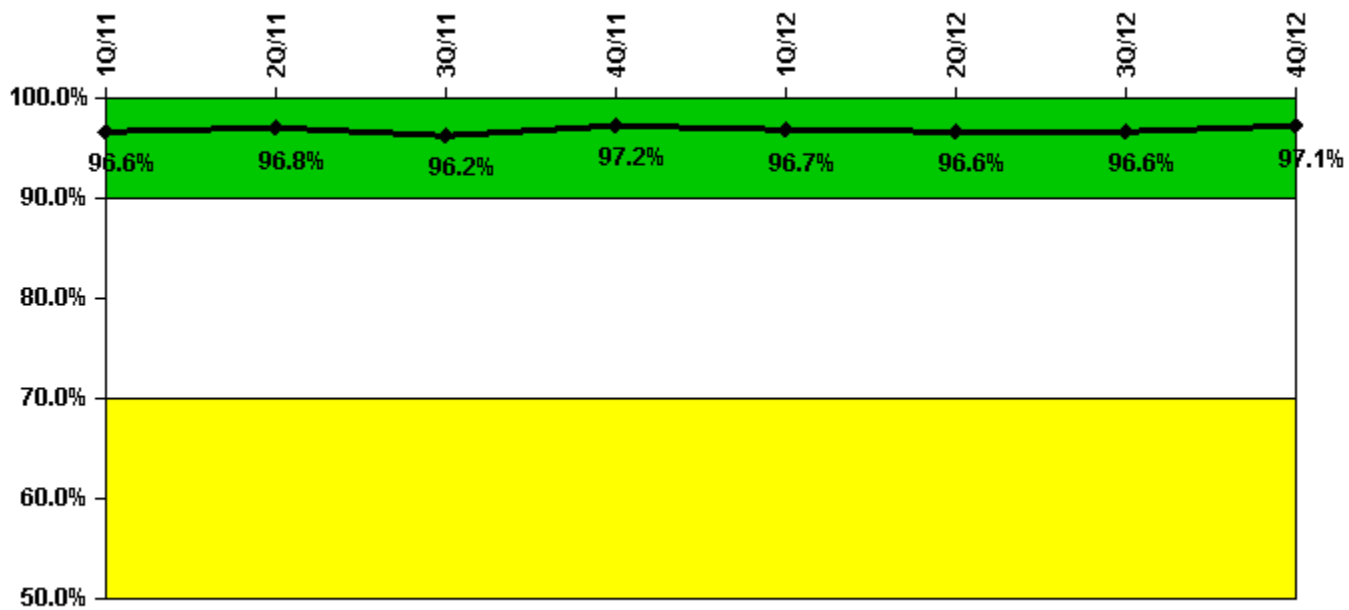


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.106	0.092	0.099	0.109	0	0.078	0.103	0.103	0.098	0.086	0.094	0.097
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	0.9	1.0	1.1	0	0.8	1.0	1.0	1.0	0.9	0.9	1.0
Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.094	0.094	0.106	0.105	0.108	0.090	0.091	0.083	0.099	0.092	0.106	0.067
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	1.1	1.1	1.1	0.9	0.9	0.8	1.0	0.9	1.1	0.7

Licensee Comments: none

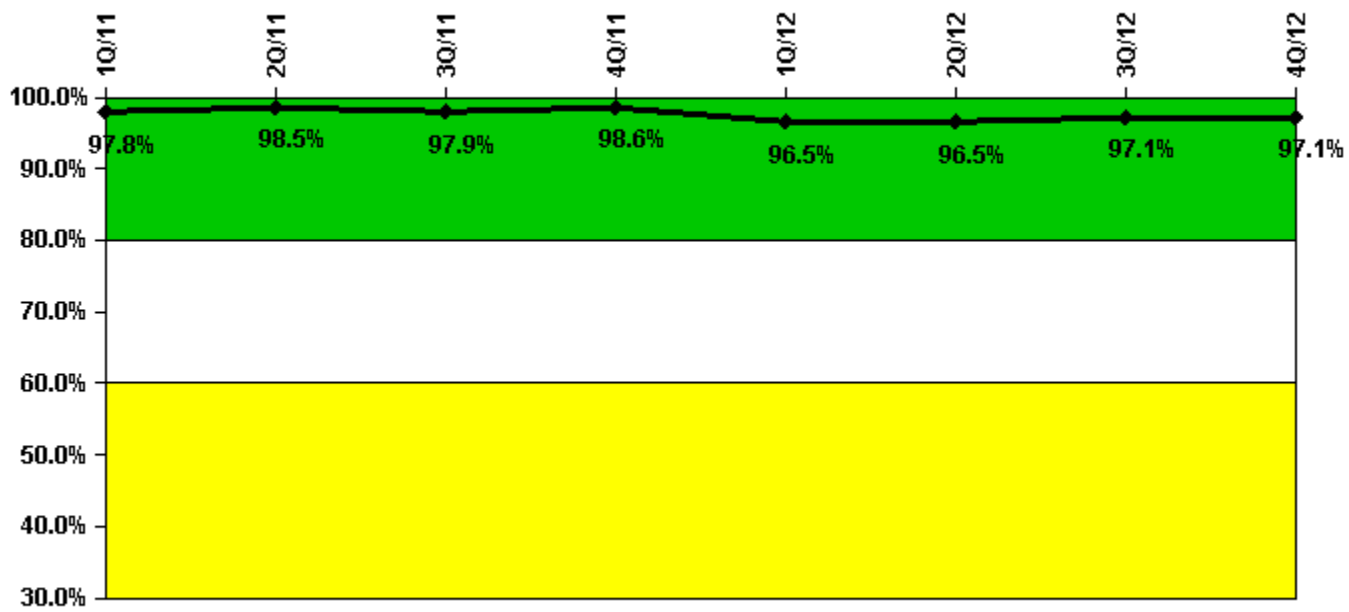
Drill/Exercise Performance

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	15.0	6.0	73.0	8.0	8.0	20.0	41.0	30.0
Total opportunities	15.0	6.0	77.0	8.0	8.0	21.0	42.0	30.0
Indicator value	96.6%	96.8%	96.2%	97.2%	96.7%	96.6%	96.6%	97.1%

Licensee Comments: none

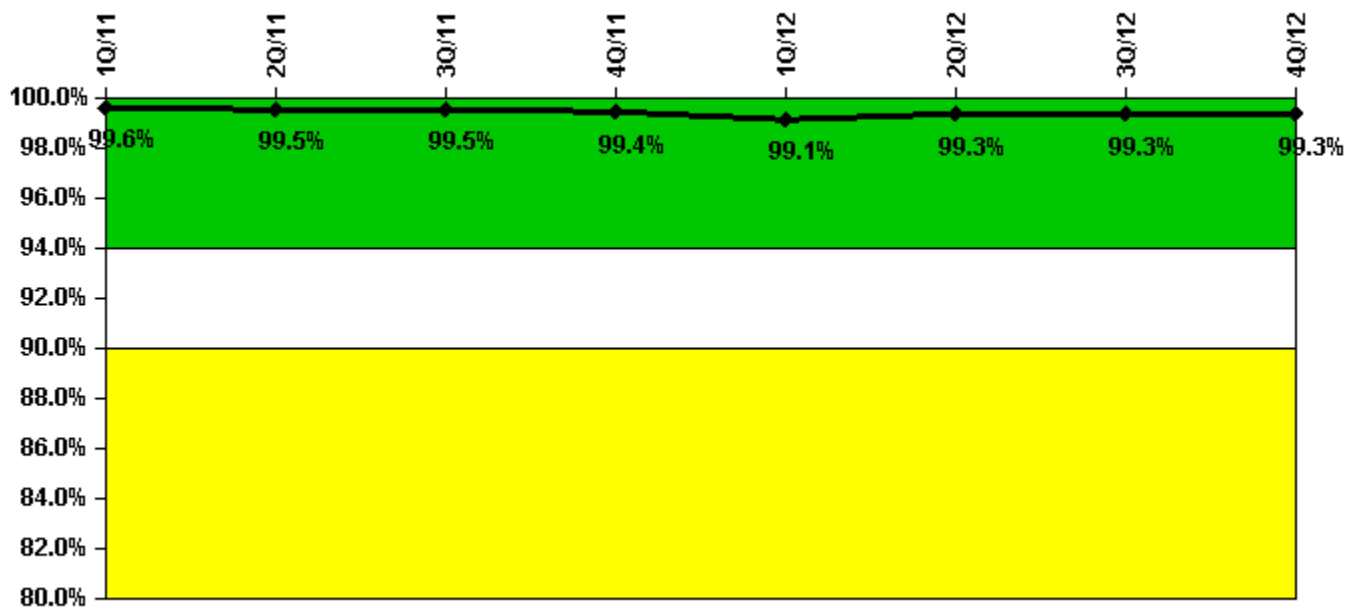
ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	131.0	133.0	137.0	141.0	138.0	137.0	136.0	134.0
Total Key personnel	134.0	135.0	140.0	143.0	143.0	142.0	140.0	138.0
Indicator value	97.8%	98.5%	97.9%	98.6%	96.5%	96.5%	97.1%	97.1%

Licensee Comments: none

Alert & Notification System

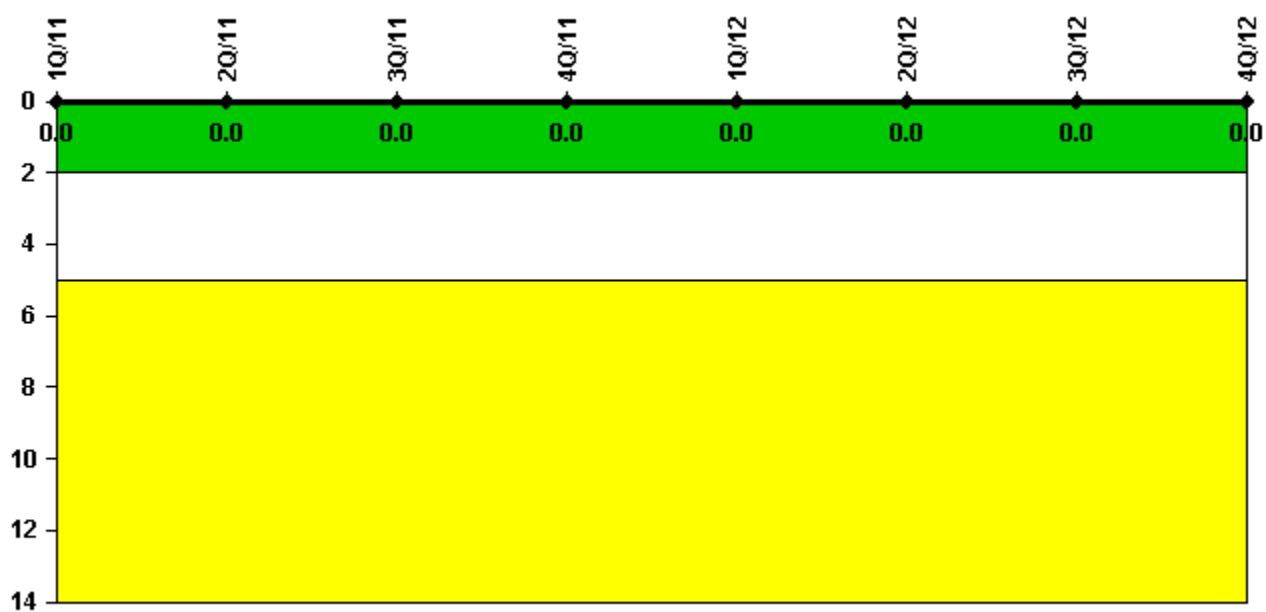
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	2387	2378	2395	2390	2367	2391	2397	2302
Total sirens-tests	2403	2403	2403	2403	2403	2403	2403	2314
Indicator value	99.6%	99.5%	99.5%	99.4%	99.1%	99.3%	99.3%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness

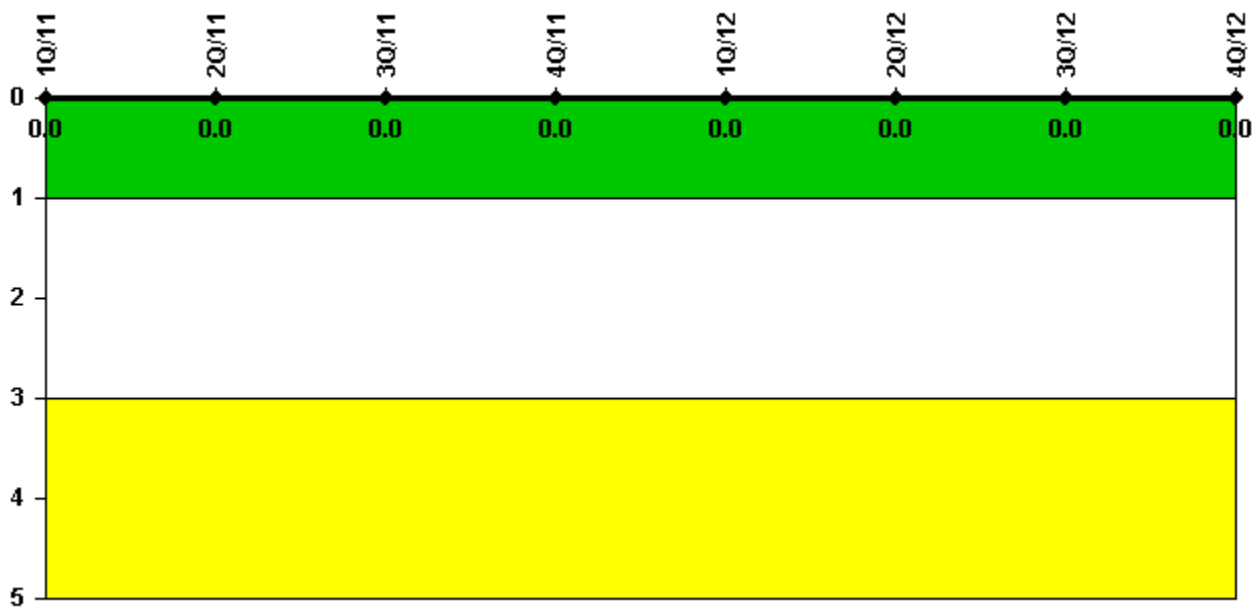


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
High radiation area occurrences	0	0	0	0	0	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/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

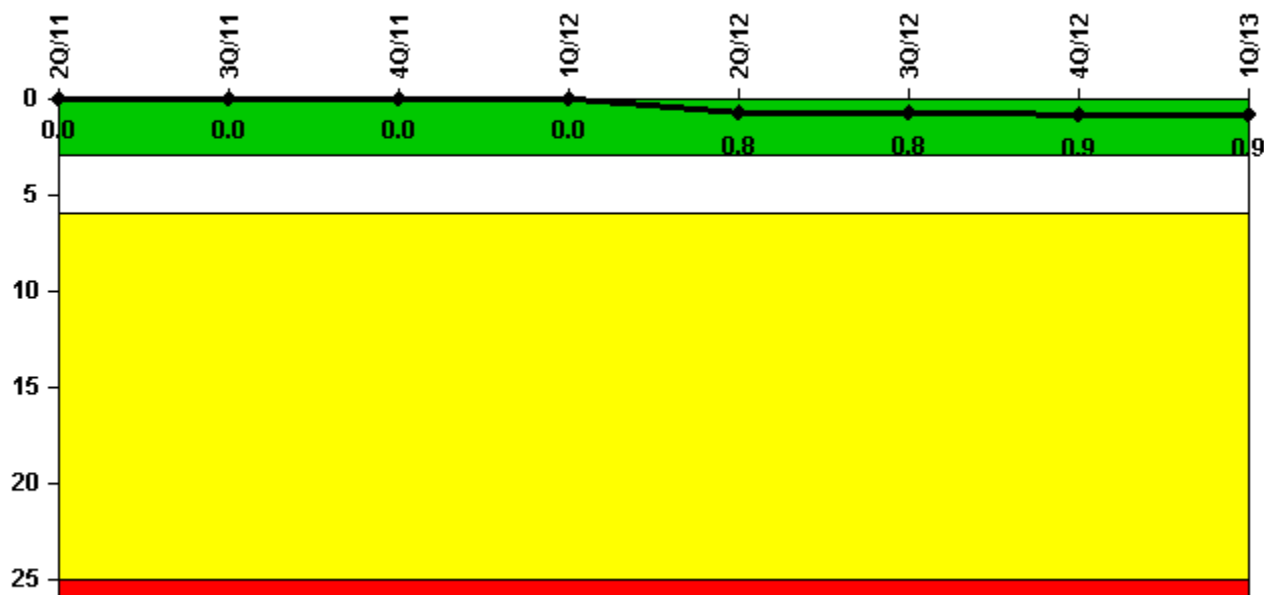
Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information 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.

Catawba 1

1Q/2013 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



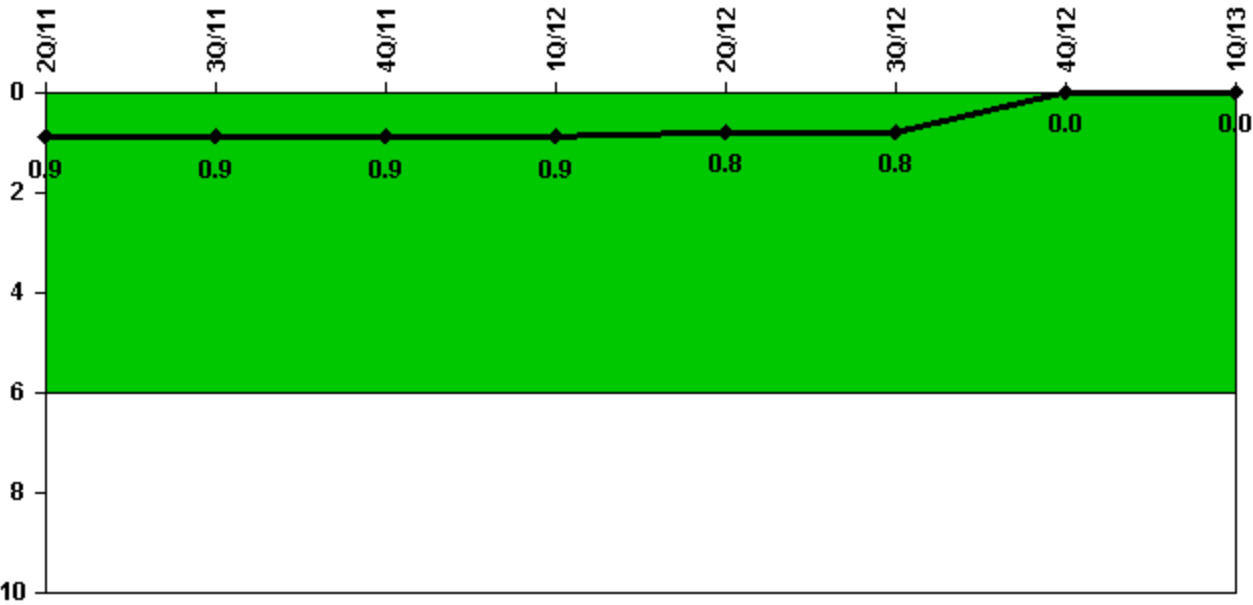
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	1169.0	2208.0	2193.3	2183.0	1912.7	2208.0	1417.1	2159.0
Indicator value	0	0	0	0	0.8	0.8	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



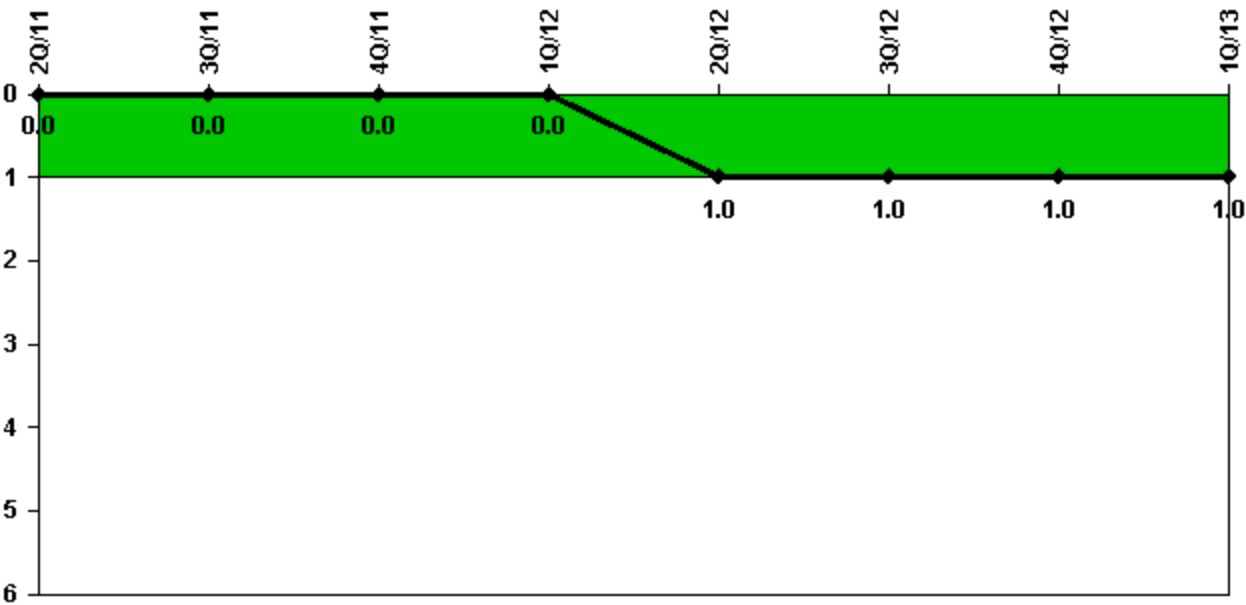
Thresholds: White > 6.0

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	0	0	1.0	0	0	0	0	0
Critical hours	1169.0	2208.0	2193.3	2183.0	1912.7	2208.0	1417.1	2159.0
Indicator value	0.9	0.9	0.9	0.9	0.8	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



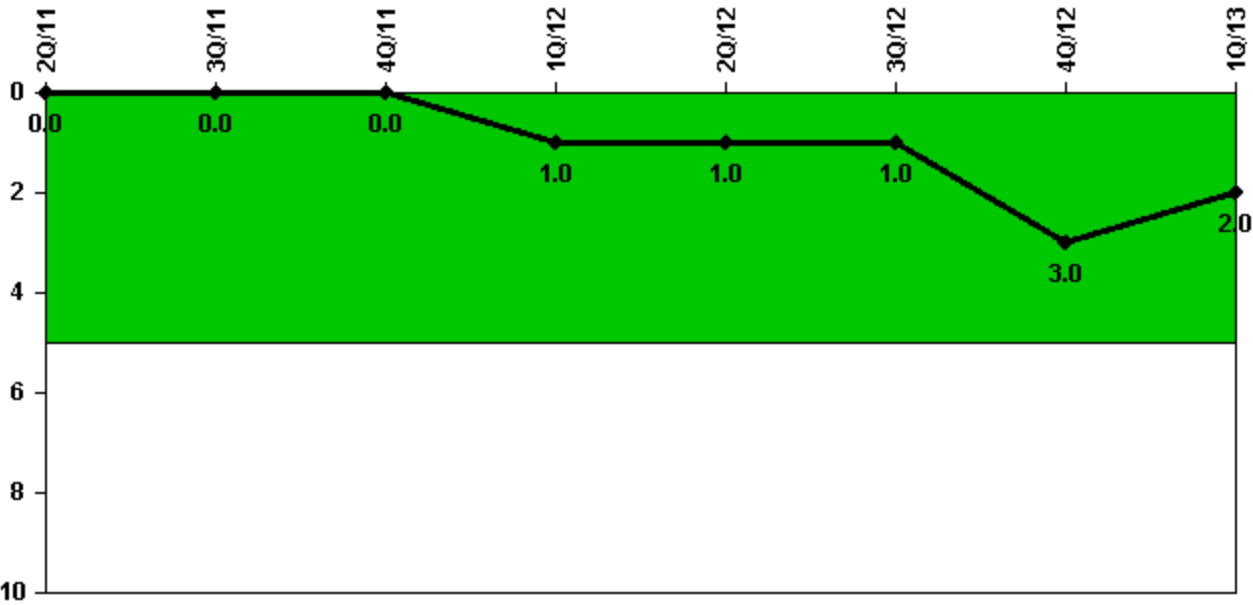
Thresholds: White > 1.0

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	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: none

Safety System Functional Failures (PWR)



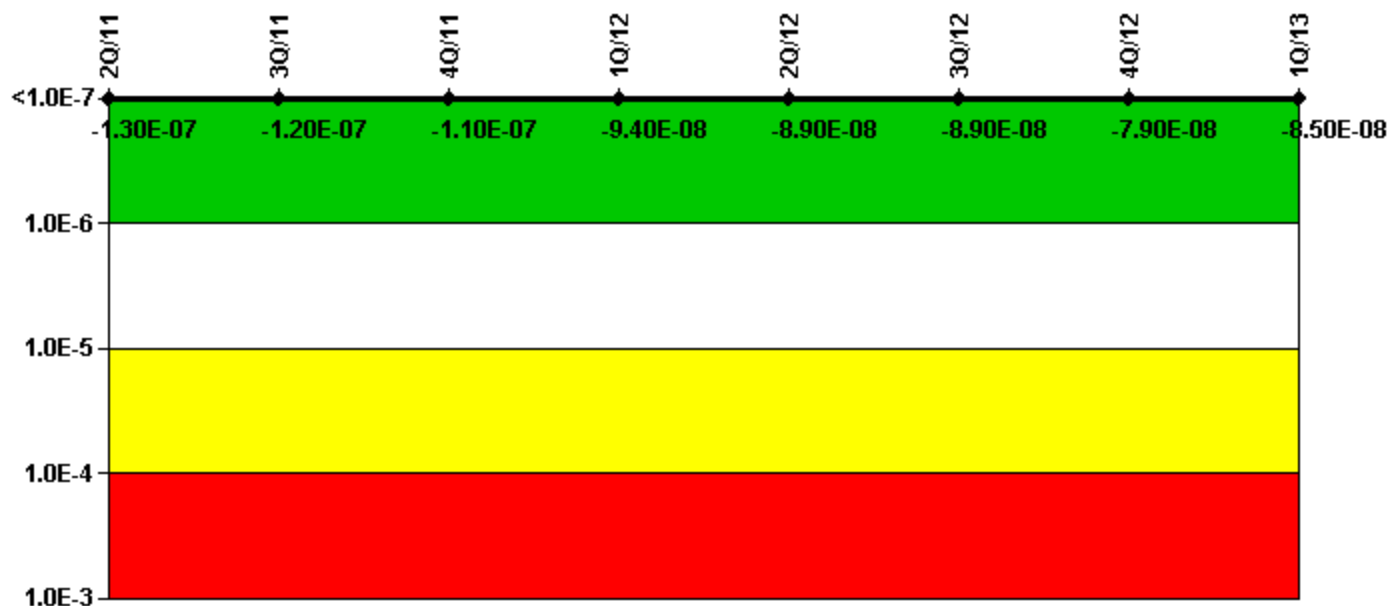
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	0	0	0	1	0	0	2	0
Indicator value	0	0	0	1	1	1	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	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	4.93E-08	5.53E-08	6.76E-08	8.92E-08	9.35E-08	9.35E-08	1.04E-07	9.76E-08
URI (Δ CDF)	-1.78E-07	-1.78E-07	-1.78E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-1.20E-07	-1.10E-07	-9.40E-08	-8.90E-08	-8.90E-08	-7.90E-08	-8.50E-08

Licensee Comments:

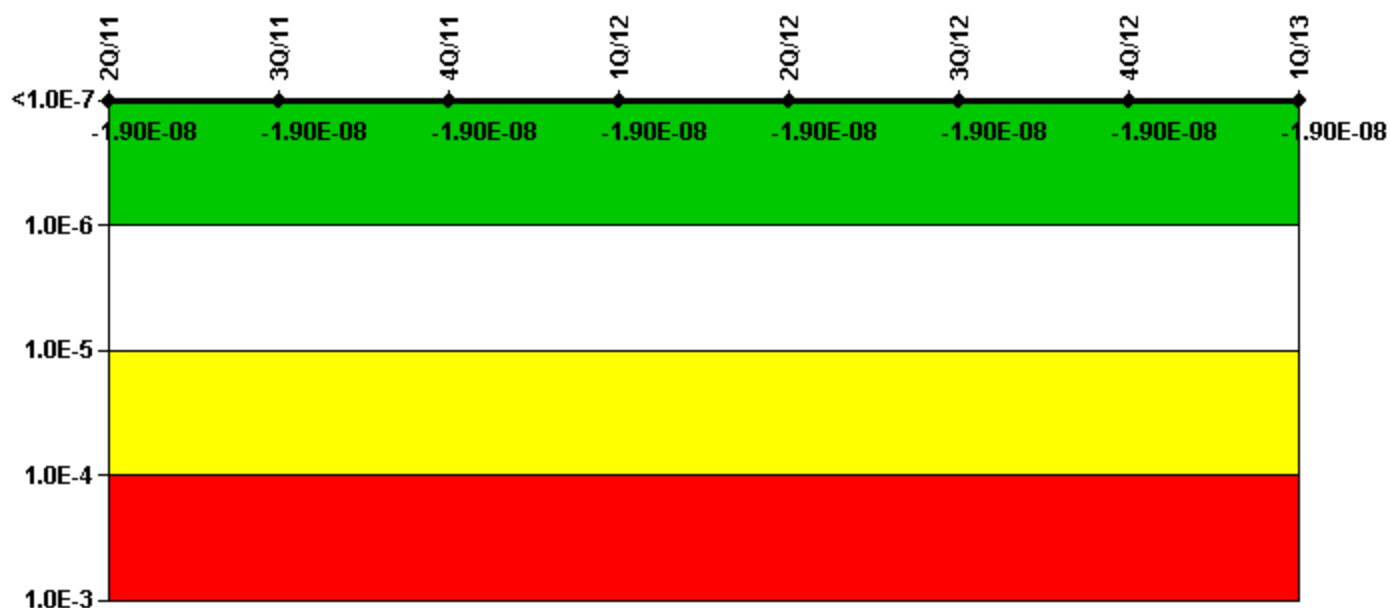
1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

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 (Δ CDF)	-7.57E-09	-7.57E-09	-7.57E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09
URI (Δ CDF)	-1.14E-08	-1.14E-08	-1.14E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments:

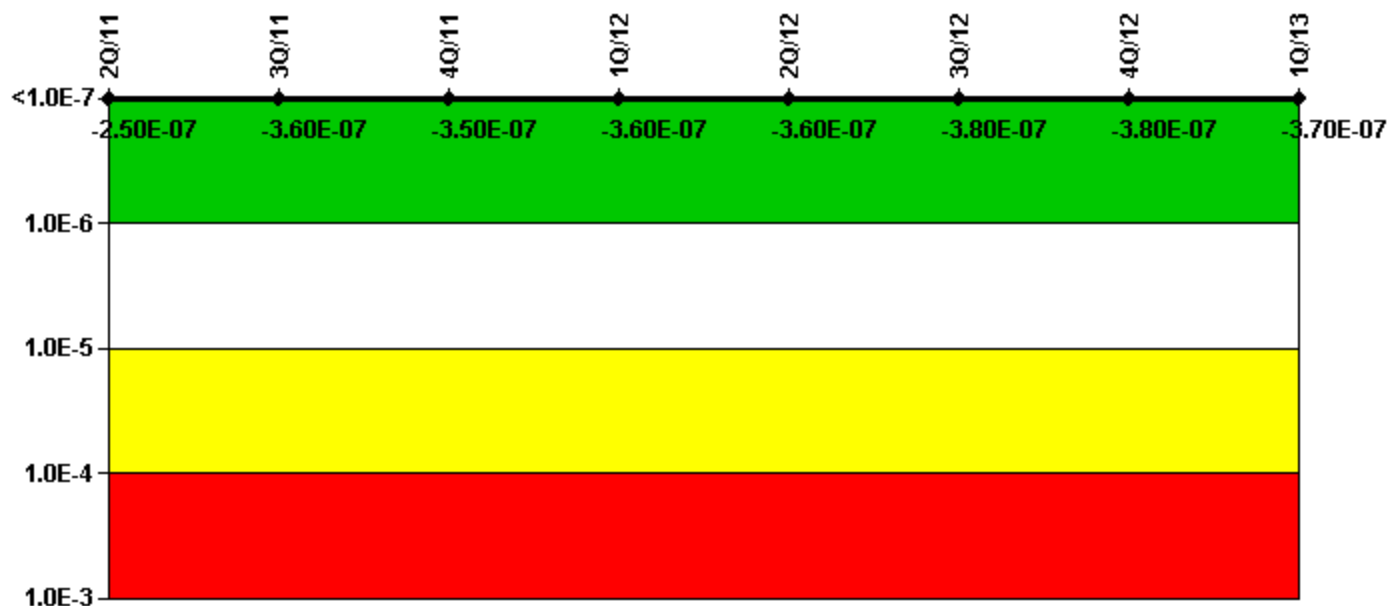
1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

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 (Δ CDF)	9.50E-08	-1.20E-08	-1.89E-09	-9.11E-09	-1.17E-08	-2.24E-08	-2.32E-08	-1.92E-08
URI (Δ CDF)	-3.43E-07	-3.43E-07	-3.43E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-07	-3.60E-07	-3.50E-07	-3.60E-07	-3.60E-07	-3.80E-07	-3.80E-07	-3.70E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

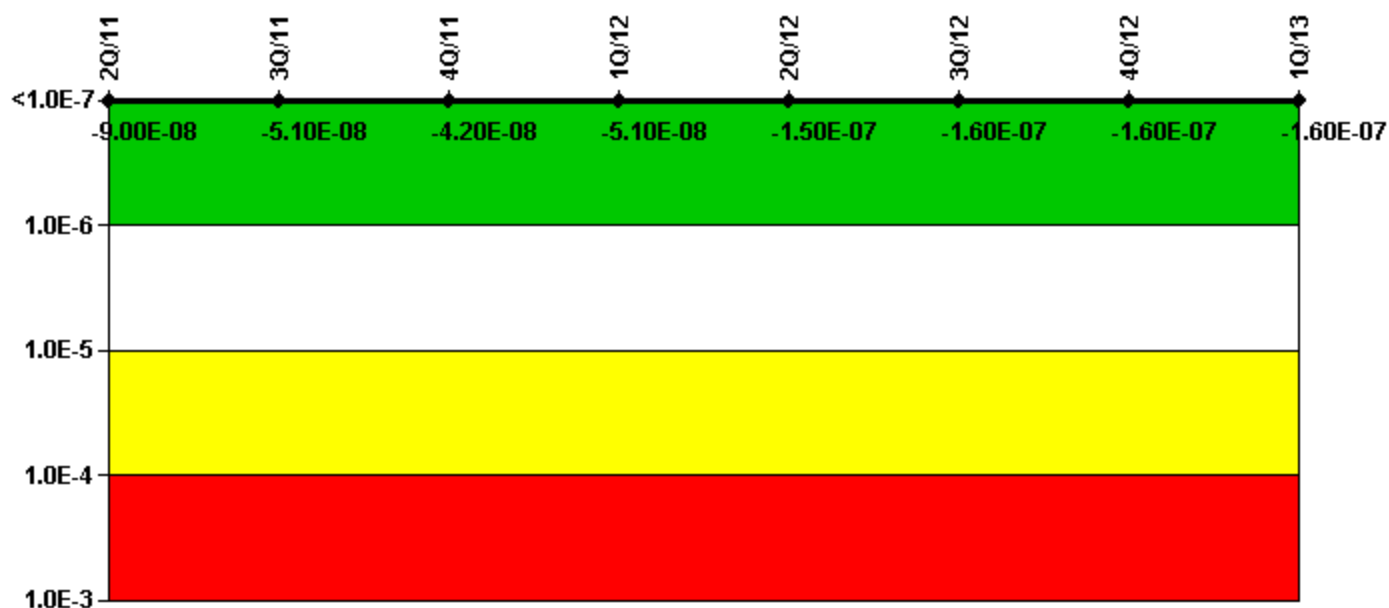
4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

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 (Δ CDF)	5.01E-08	8.86E-08	9.75E-08	9.30E-08	-1.07E-08	-1.20E-08	-1.14E-08	-1.35E-08
URI (Δ CDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-08	-5.10E-08	-4.20E-08	-5.10E-08	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments:

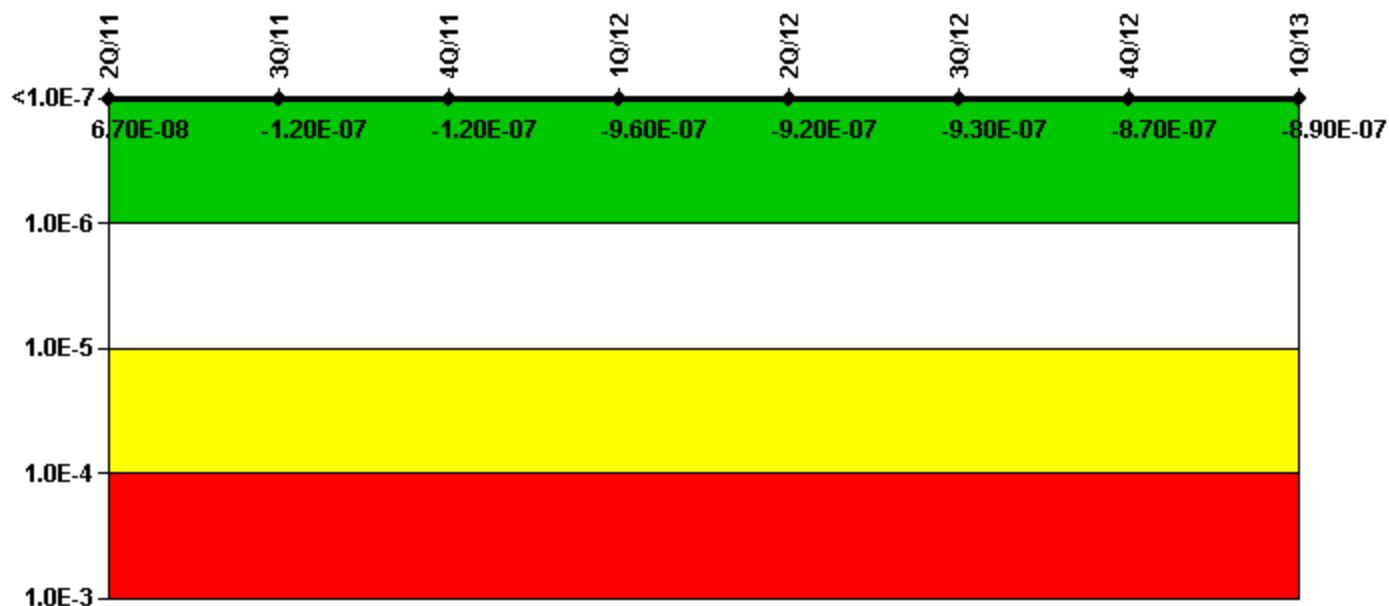
1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

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)	1.74E-07	-1.44E-08	-1.39E-08	-5.11E-07	-4.77E-07	-4.84E-07	-4.22E-07	-4.46E-07
URI (ΔCDF)	-1.08E-07	-1.10E-07	-1.10E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.70E-08	-1.20E-07	-1.20E-07	-9.60E-07	-9.20E-07	-9.30E-07	-8.70E-07	-8.90E-07

Licensee Comments:

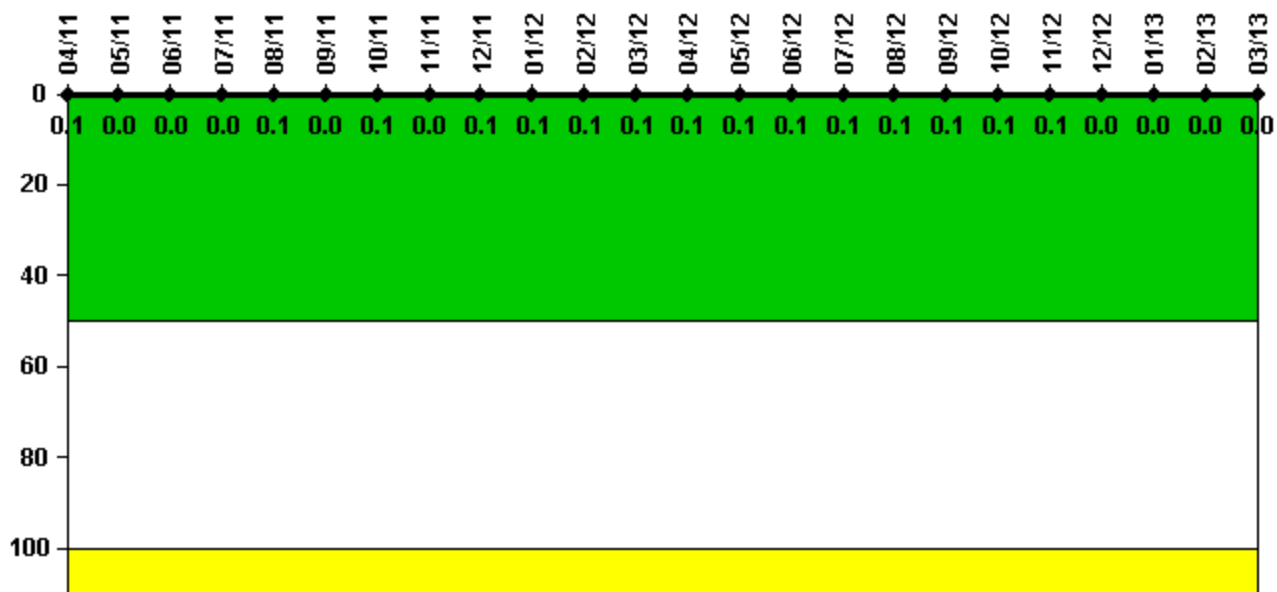
1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity



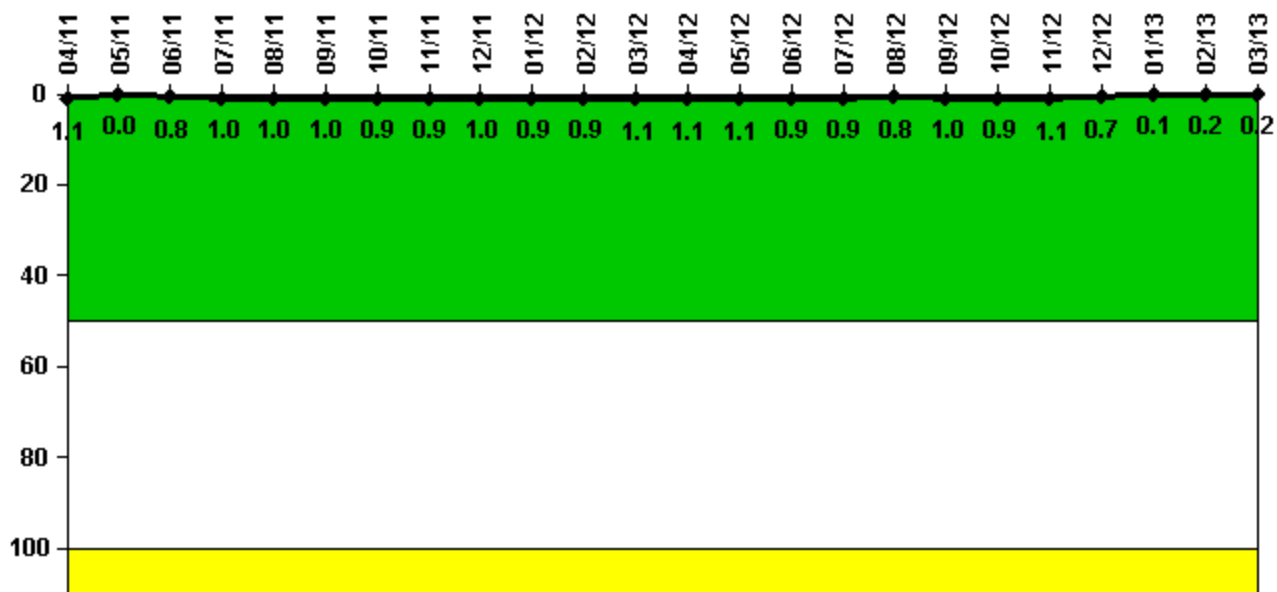
Thresholds: White > 50.0 Yellow > 100.0

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	0.000468	0	0.000171	0.000185	0.000304	0.000204	0.000233	0.000222	0.000241	0.000273	0.000241	0.000266
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0	0	0	0.1	0	0.1	0	0.1	0.1	0.1	0.1
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	0.000264	0.000310	0.000297	0.000302	0.000312	0.000354	0.000323	0.000304	0.000020	0.000090	0.000075	0.000055
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



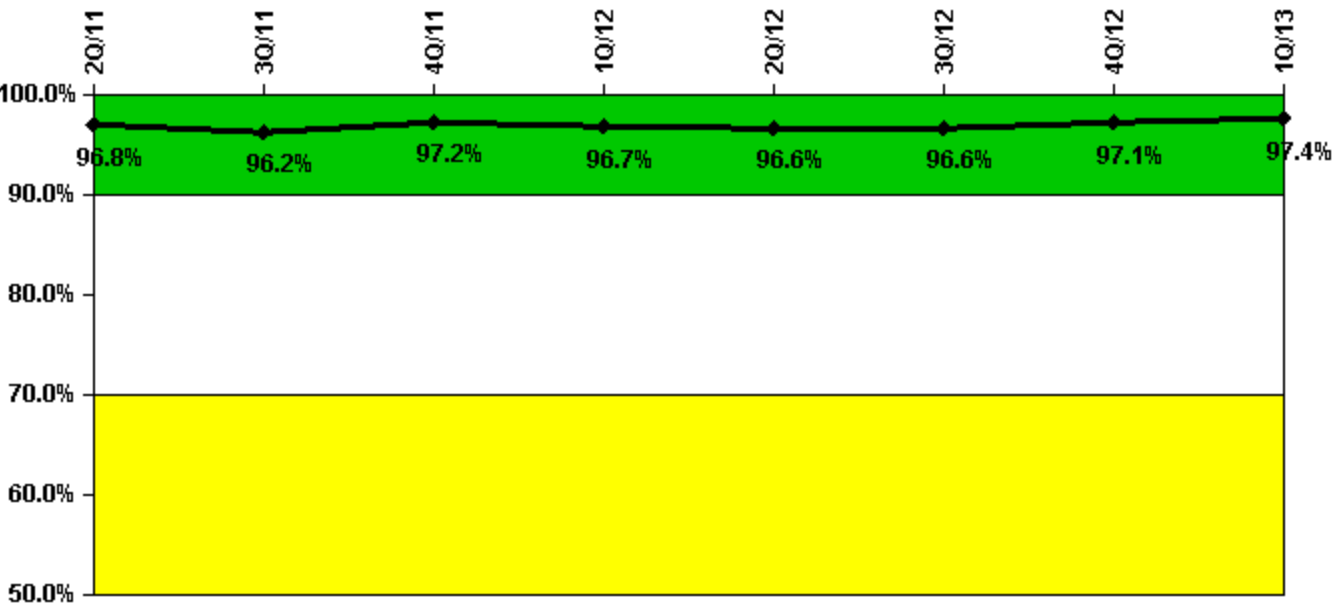
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.109	0	0.078	0.103	0.103	0.098	0.086	0.094	0.097	0.094	0.094	0.106
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	0	0.8	1.0	1.0	1.0	0.9	0.9	1.0	0.9	0.9	1.1
Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.105	0.108	0.090	0.091	0.083	0.099	0.092	0.106	0.067	0.009	0.016	0.017
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.1	0.9	0.9	0.8	1.0	0.9	1.1	0.7	0.1	0.2	0.2

Licensee Comments: none

Drill/Exercise Performance



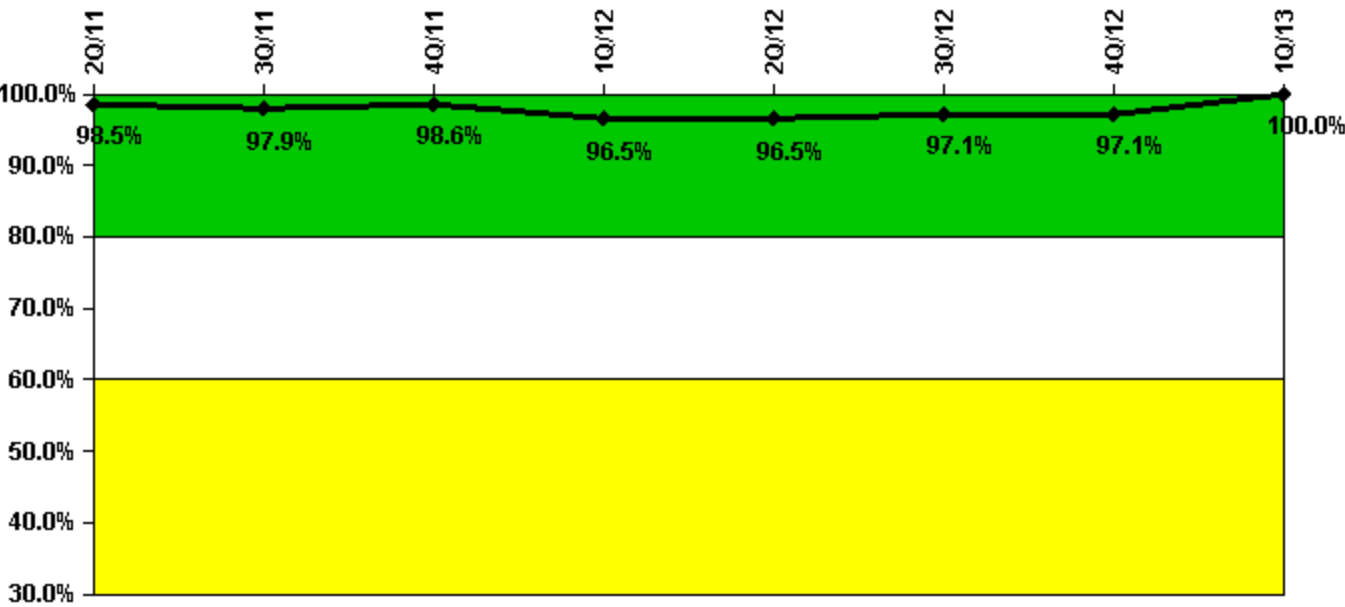
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	6.0	73.0	8.0	8.0	20.0	41.0	30.0	38.0
Total opportunities	6.0	77.0	8.0	8.0	21.0	42.0	30.0	38.0
Indicator value	96.8%	96.2%	97.2%	96.7%	96.6%	96.6%	97.1%	97.4%

Licensee Comments: none

ERO Drill Participation



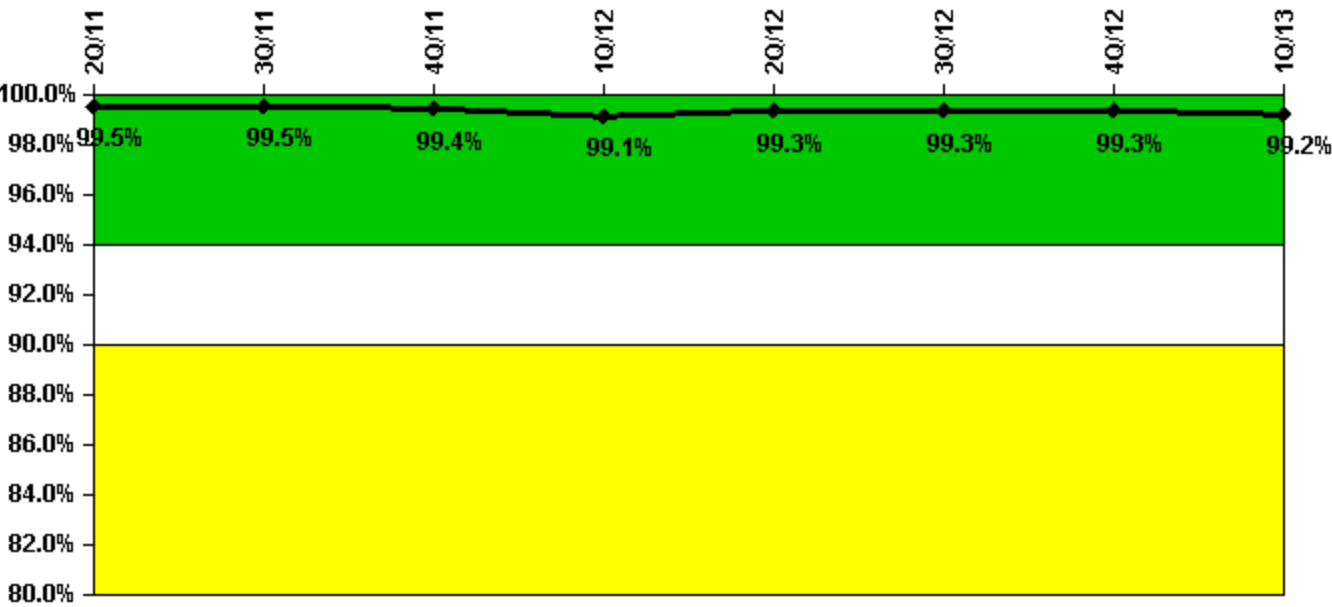
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	133.0	137.0	141.0	138.0	137.0	136.0	134.0	131.0
Total Key personnel	135.0	140.0	143.0	143.0	142.0	140.0	138.0	131.0
Indicator value	98.5%	97.9%	98.6%	96.5%	96.5%	97.1%	97.1%	100.0%

Licensee Comments: none

Alert & Notification System



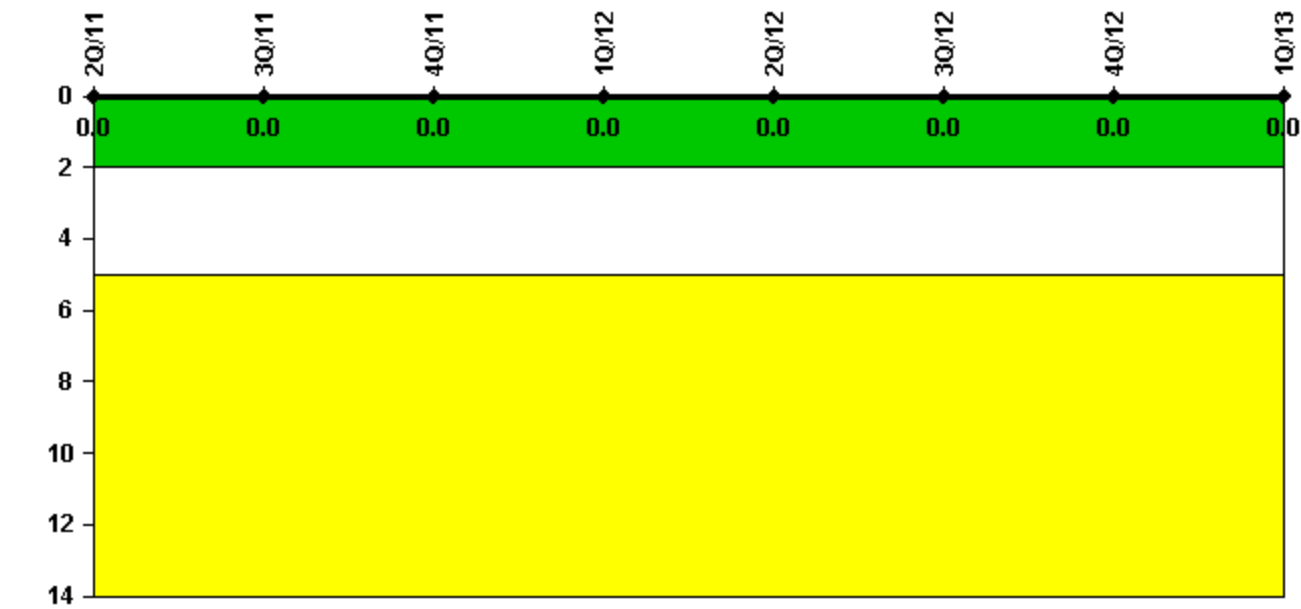
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	2378	2395	2390	2367	2391	2397	2302	2356
Total sirens-tests	2403	2403	2403	2403	2403	2403	2314	2403
Indicator value	99.5%	99.5%	99.4%	99.1%	99.3%	99.3%	99.3%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



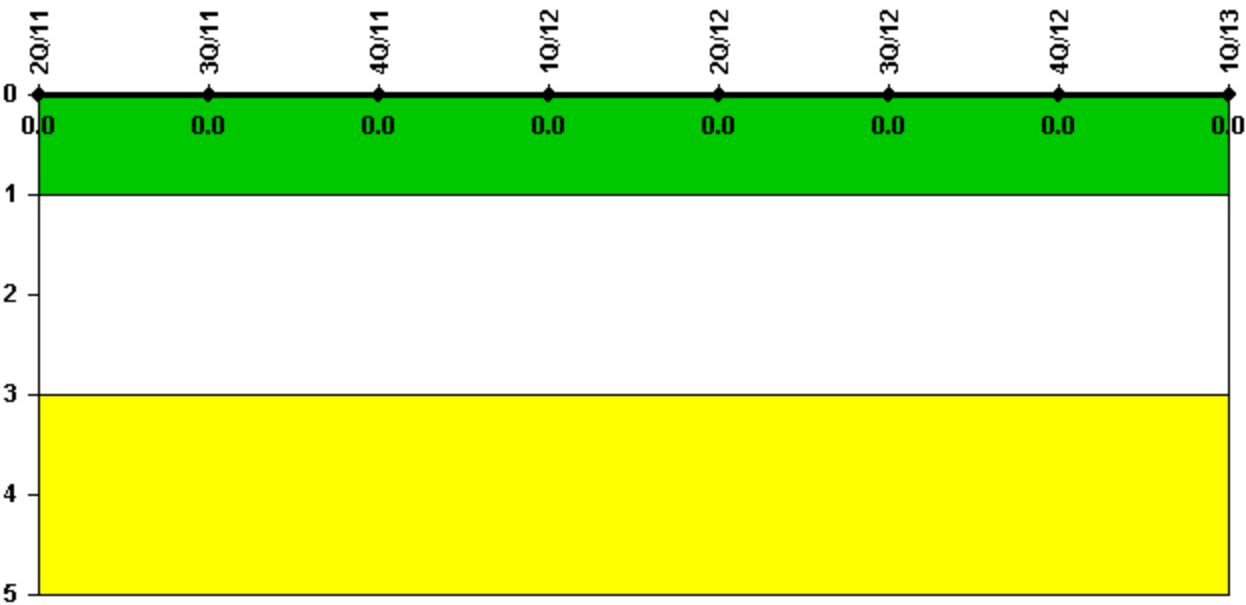
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
High radiation area occurrences	0	0	0	0	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/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: April 23, 2013

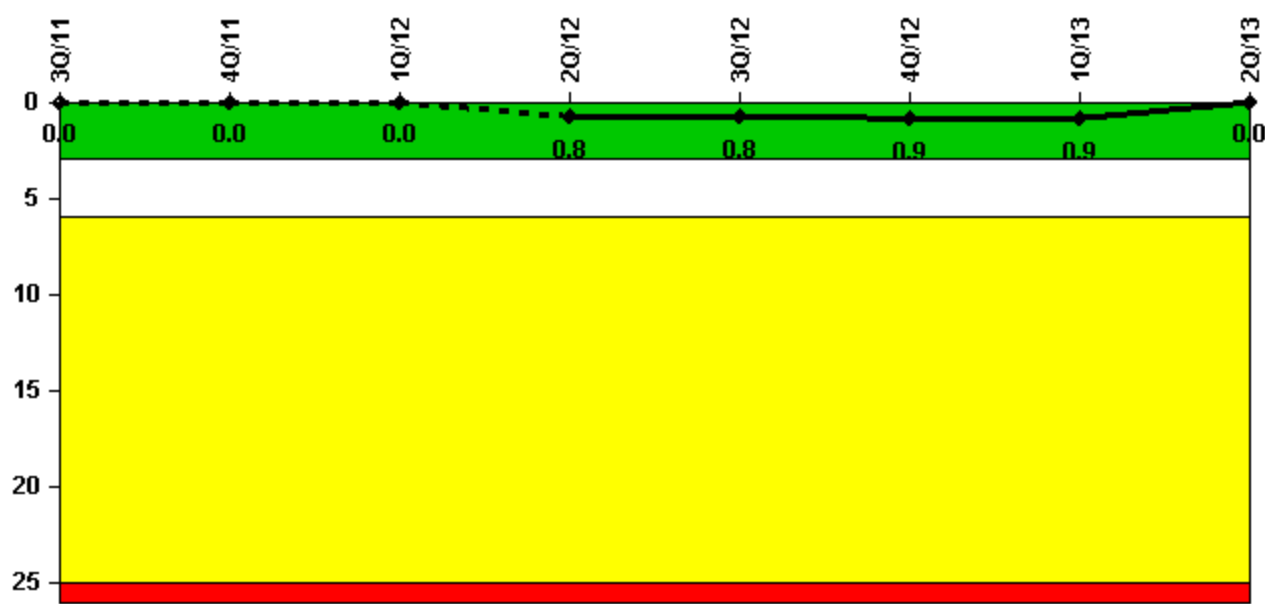
Catawba 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



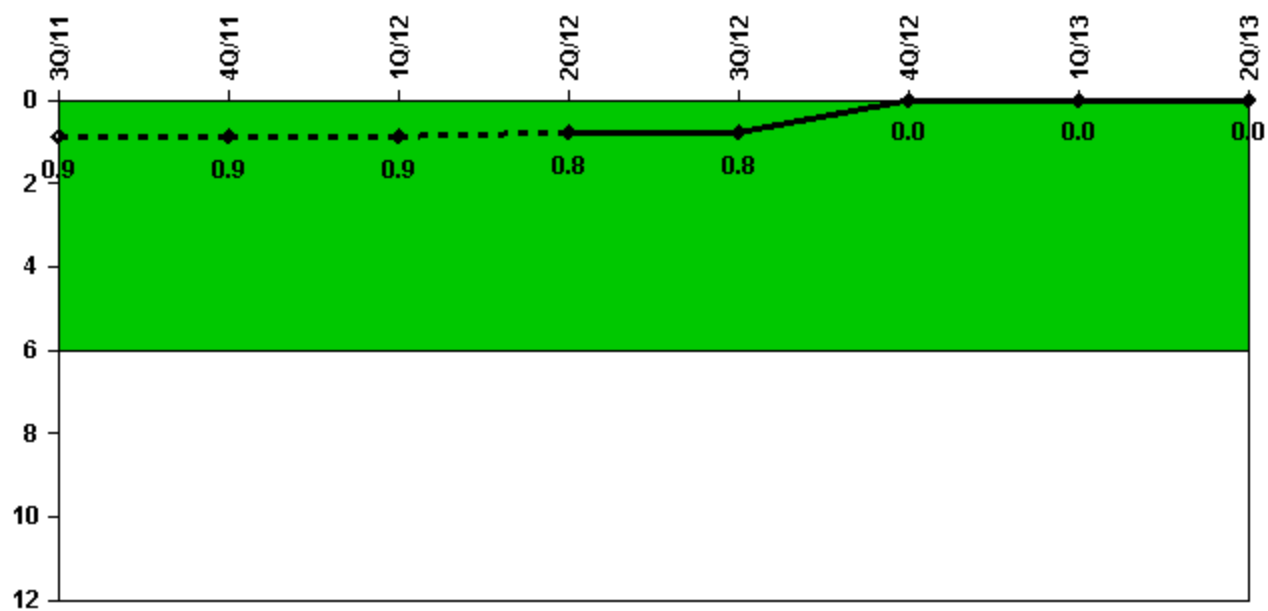
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2193.3	2183.0	1912.7	2208.0	1417.1	2159.0	2184.0
Indicator value	0	0	0	0.8	0.8	0.9	0.9	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



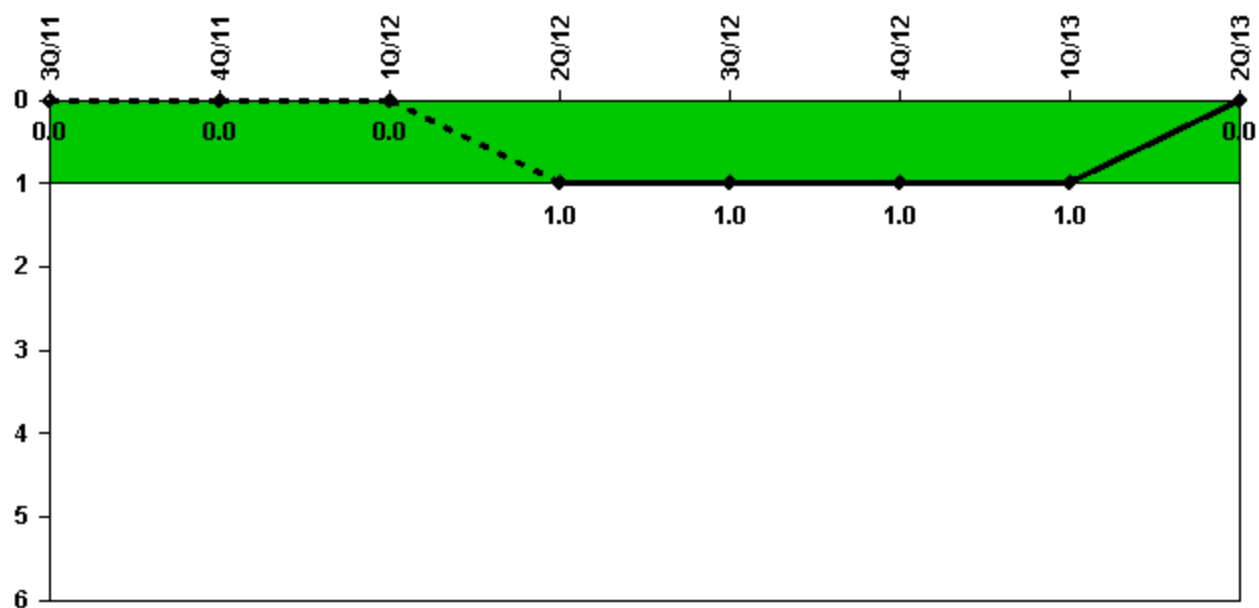
Thresholds: White > 6.0

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	2193.3	2183.0	1912.7	2208.0	1417.1	2159.0	2184.0
Indicator value	0.9	0.9	0.9	0.8	0.8	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



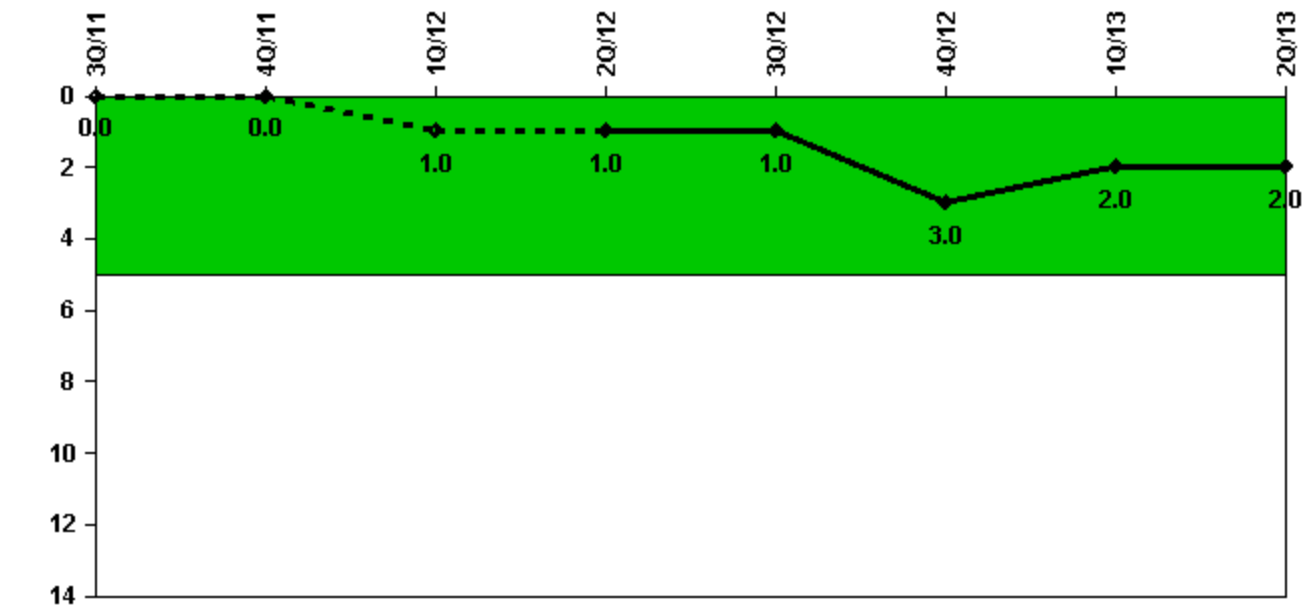
Thresholds: White > 1.0

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	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: none

Safety System Functional Failures (PWR)



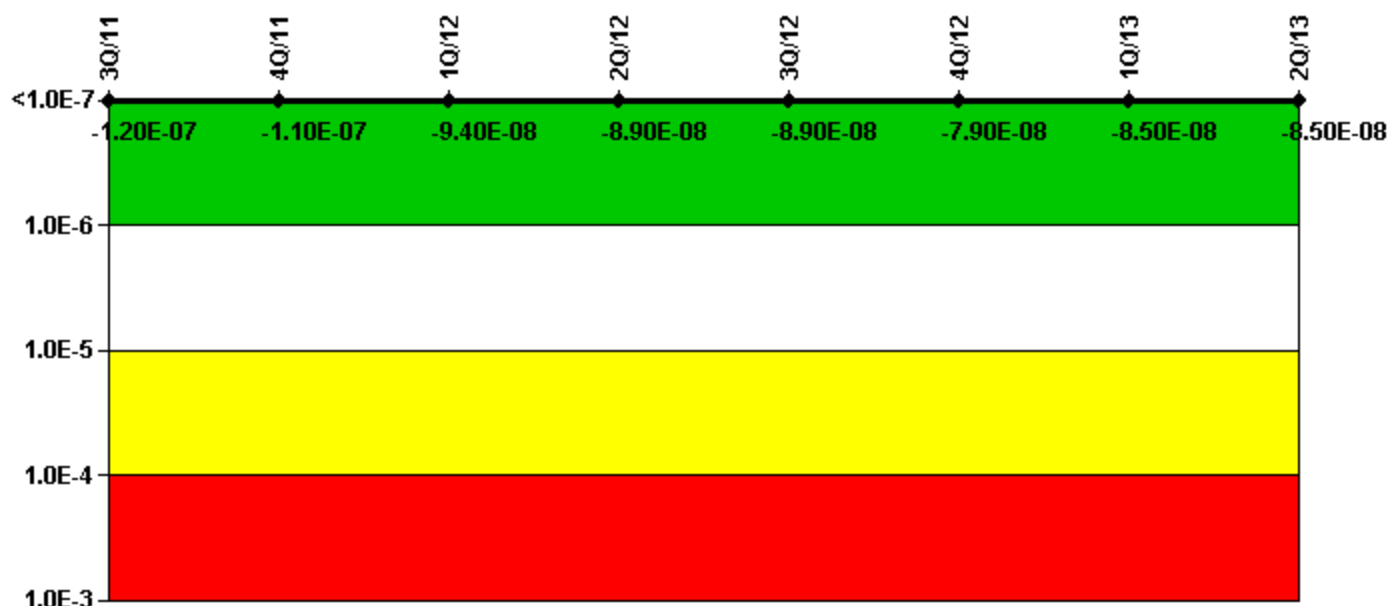
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	0	0	1	0	0	2	0	0
Indicator value	0	0	1	1	1	3	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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	5.53E-08	6.76E-08	8.92E-08	9.35E-08	9.35E-08	1.04E-07	9.76E-08	9.83E-08
URI (Δ CDF)	-1.78E-07	-1.78E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.10E-07	-9.40E-08	-8.90E-08	-8.90E-08	-7.90E-08	-8.50E-08	-8.50E-08

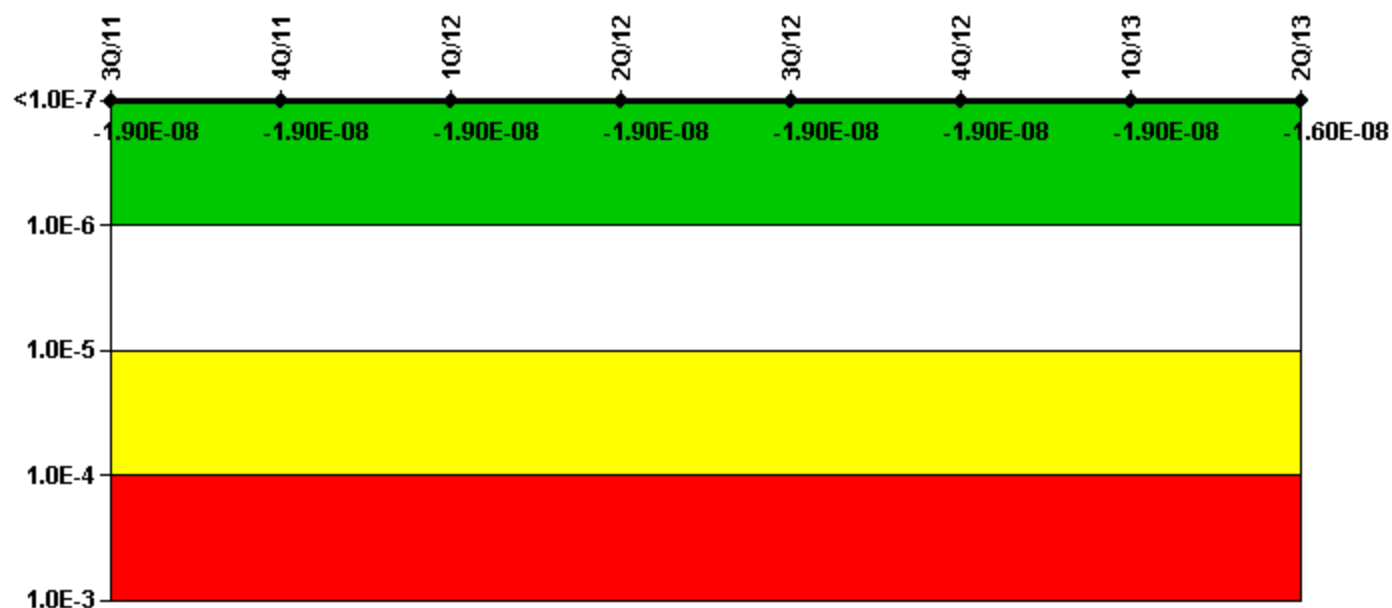
Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-7.57E-09	-7.57E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09	-4.41E-09
URI (Δ CDF)	-1.14E-08	-1.14E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.60E-08

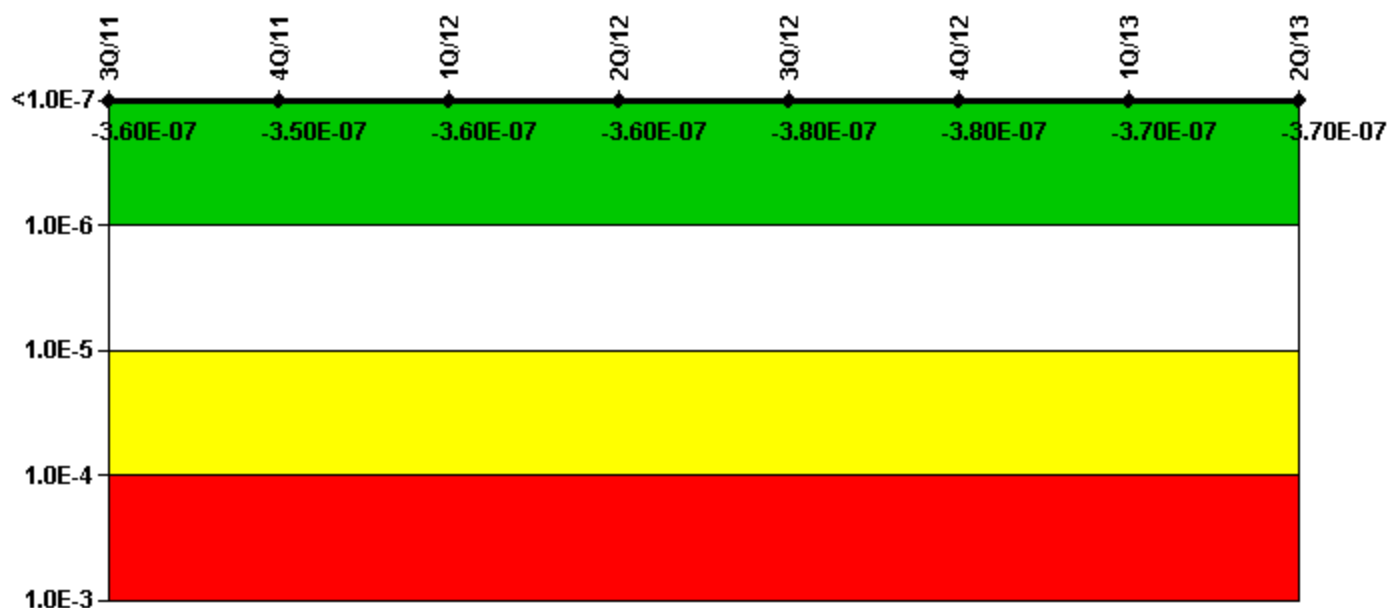
Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-1.20E-08	-1.89E-09	-9.11E-09	-1.17E-08	-2.24E-08	-2.32E-08	-1.92E-08	-1.85E-08
URI (Δ CDF)	-3.43E-07	-3.43E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.60E-07	-3.50E-07	-3.60E-07	-3.60E-07	-3.80E-07	-3.80E-07	-3.70E-07	-3.70E-07

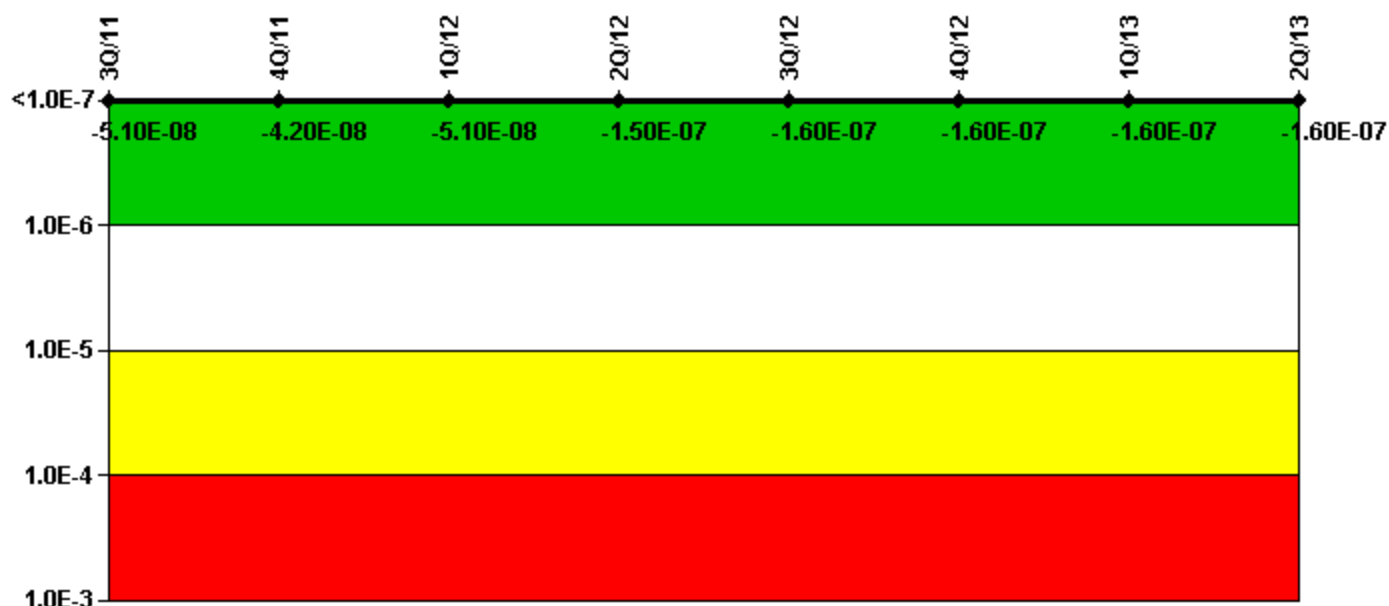
Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	8.86E-08	9.75E-08	9.30E-08	-1.07E-08	-1.20E-08	-1.14E-08	-1.35E-08	-1.35E-08
URI (Δ CDF)	-1.40E-07	-1.40E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-08	-4.20E-08	-5.10E-08	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

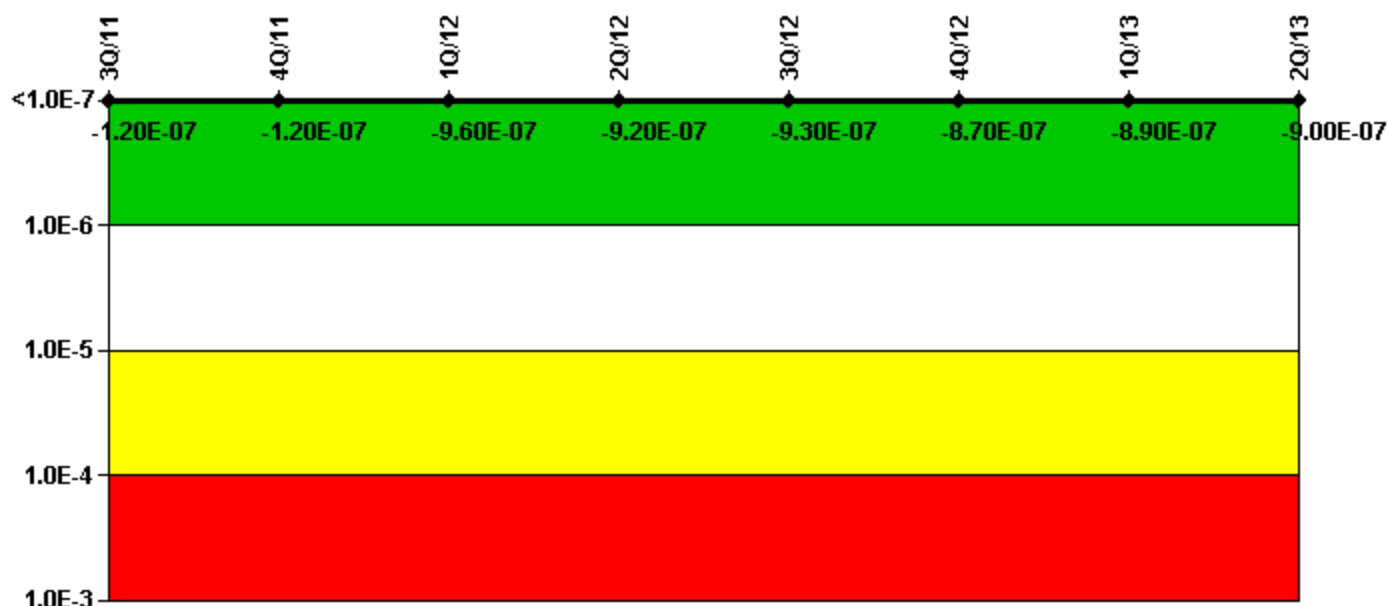
Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-1.44E-08	-1.39E-08	-5.11E-07	-4.77E-07	-4.84E-07	-4.22E-07	-4.46E-07	-4.48E-07
URI (Δ CDF)	-1.10E-07	-1.10E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.20E-07	-9.60E-07	-9.20E-07	-9.30E-07	-8.70E-07	-8.90E-07	-9.00E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity



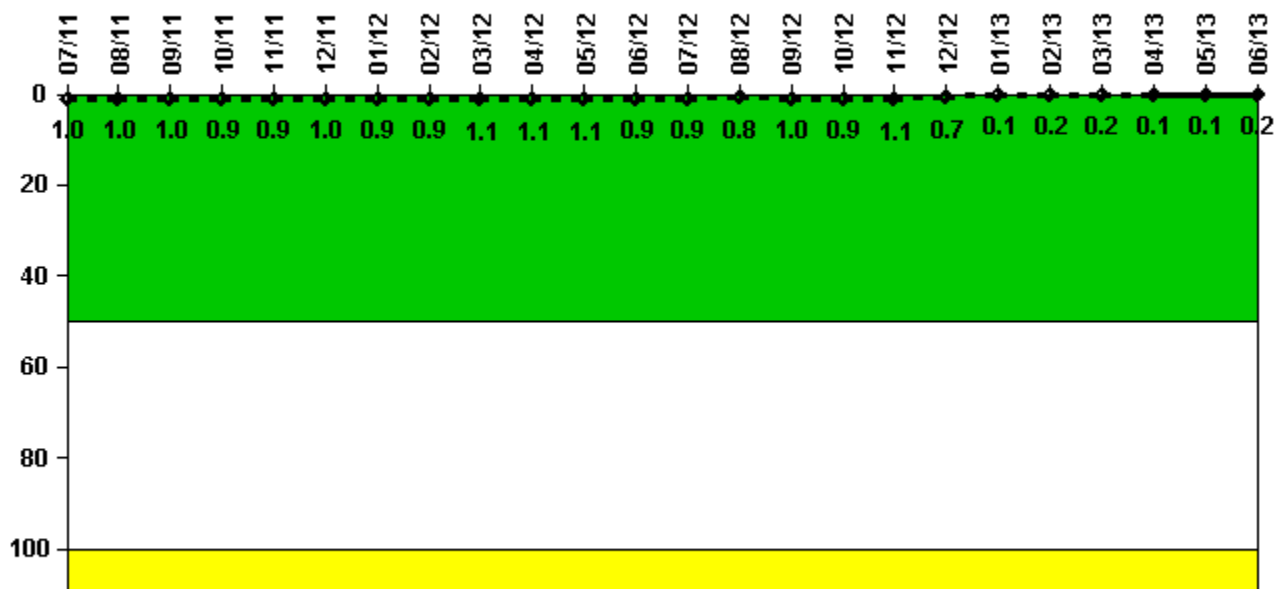
Thresholds: White > 50.0 Yellow > 100.0

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	0.000185	0.000304	0.000204	0.000233	0.000222	0.000241	0.000273	0.000241	0.000266	0.000264	0.000310	0.000297
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0.1	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000302	0.000312	0.000354	0.000323	0.000304	0.000020	0.000090	0.000075	0.000055	0.000059	0.000084	0.000068
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

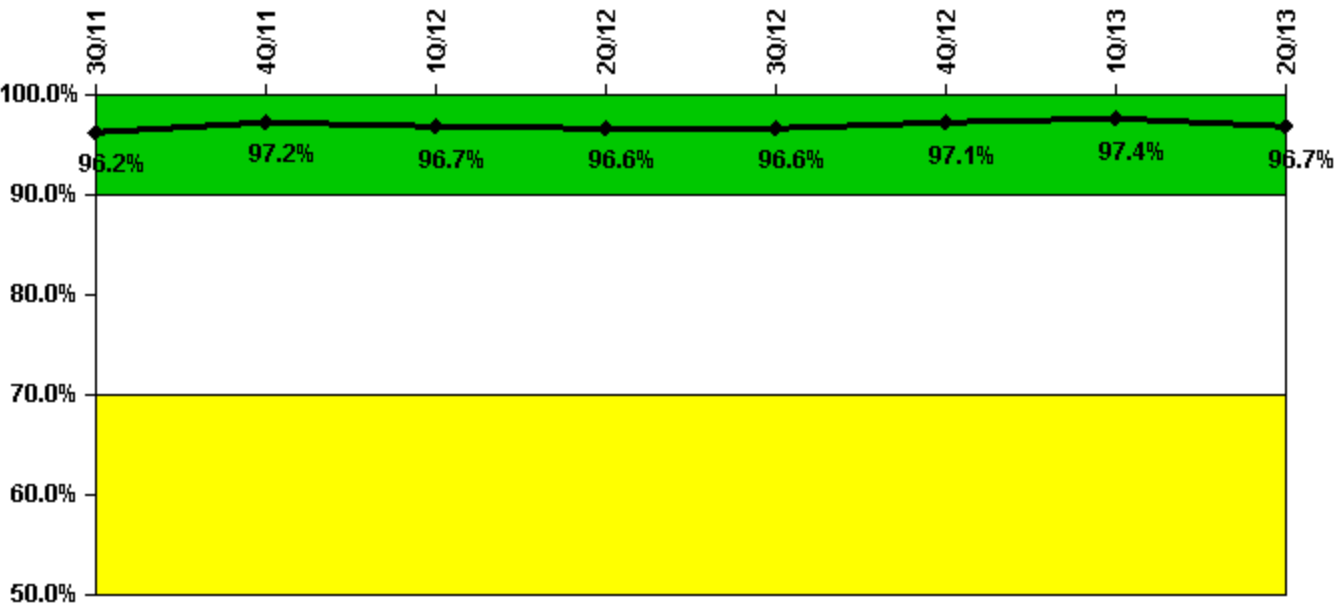
Notes

Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	0.103	0.103	0.098	0.086	0.094	0.097	0.094	0.094	0.106	0.105	0.108	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	1.0	1.0	0.9	0.9	1.0	0.9	0.9	1.1	1.1	1.1	0.9

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.091	0.083	0.099	0.092	0.106	0.067	0.009	0.016	0.017	0.014	0.013	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.8	1.0	0.9	1.1	0.7	0.1	0.2	0.2	0.1	0.1	0.2

Licensee Comments: none

Drill/Exercise Performance



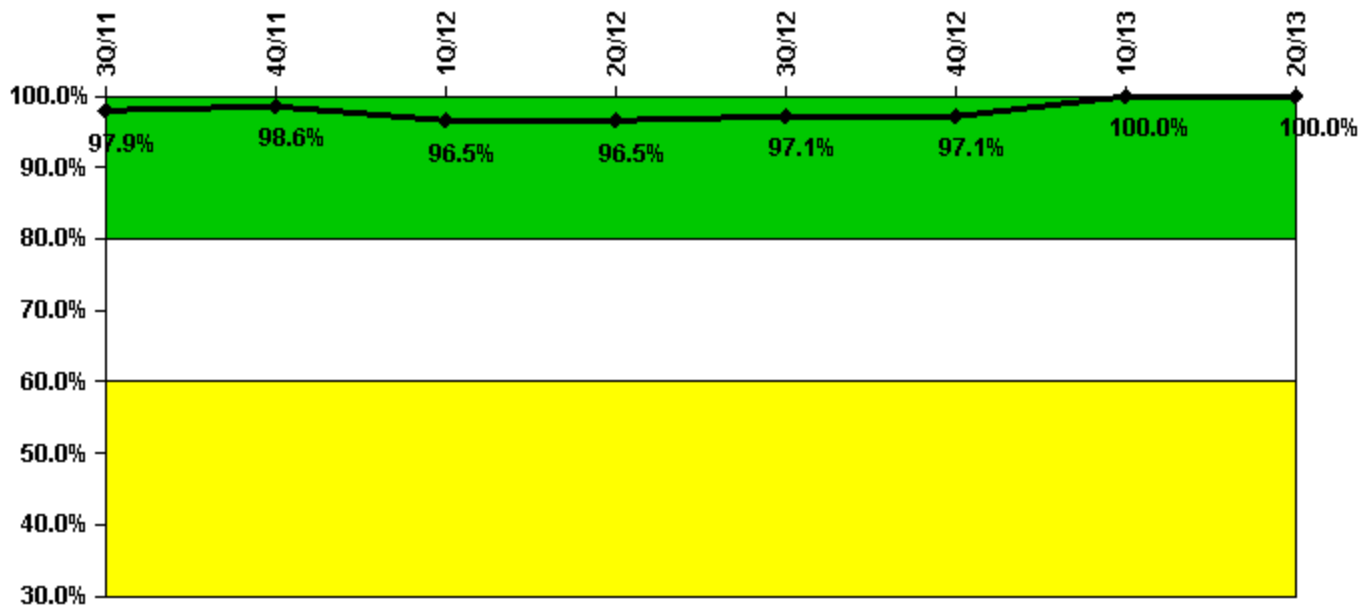
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	73.0	8.0	8.0	20.0	41.0	30.0	38.0	47.0
Total opportunities	77.0	8.0	8.0	21.0	42.0	30.0	38.0	50.0
Indicator value	96.2%	97.2%	96.7%	96.6%	96.6%	97.1%	97.4%	96.7%

Licensee Comments: none

ERO Drill Participation



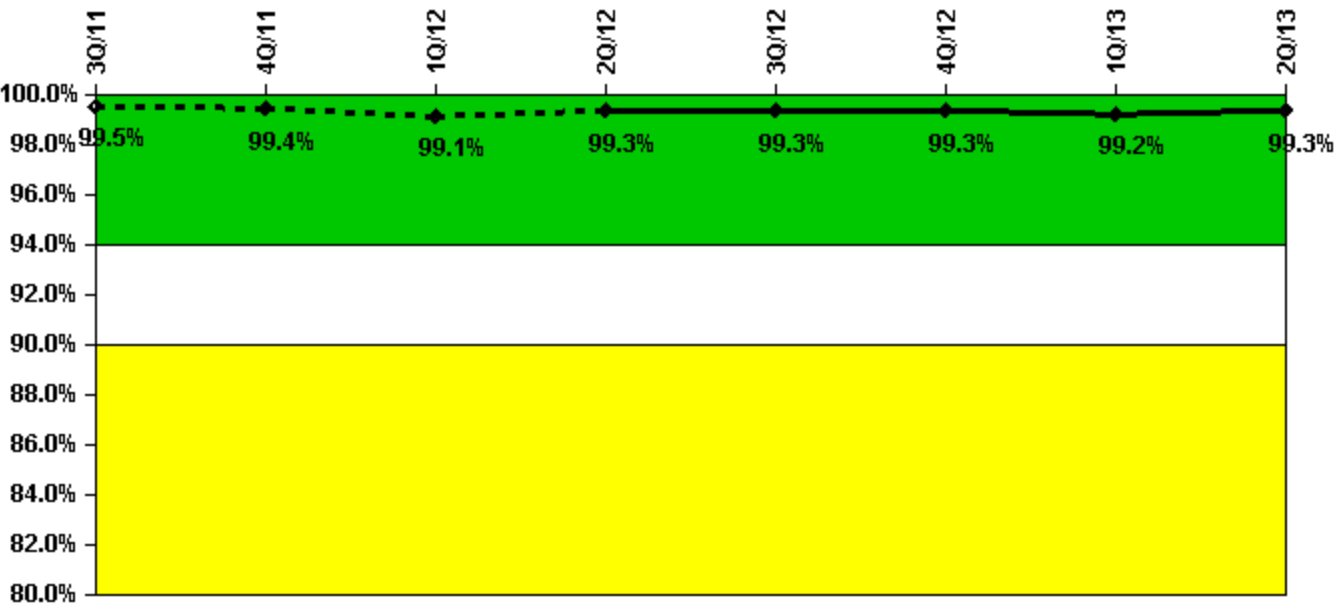
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	137.0	141.0	138.0	137.0	136.0	134.0	131.0	135.0
Total Key personnel	140.0	143.0	143.0	142.0	140.0	138.0	131.0	135.0
Indicator value	97.9%	98.6%	96.5%	96.5%	97.1%	97.1%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



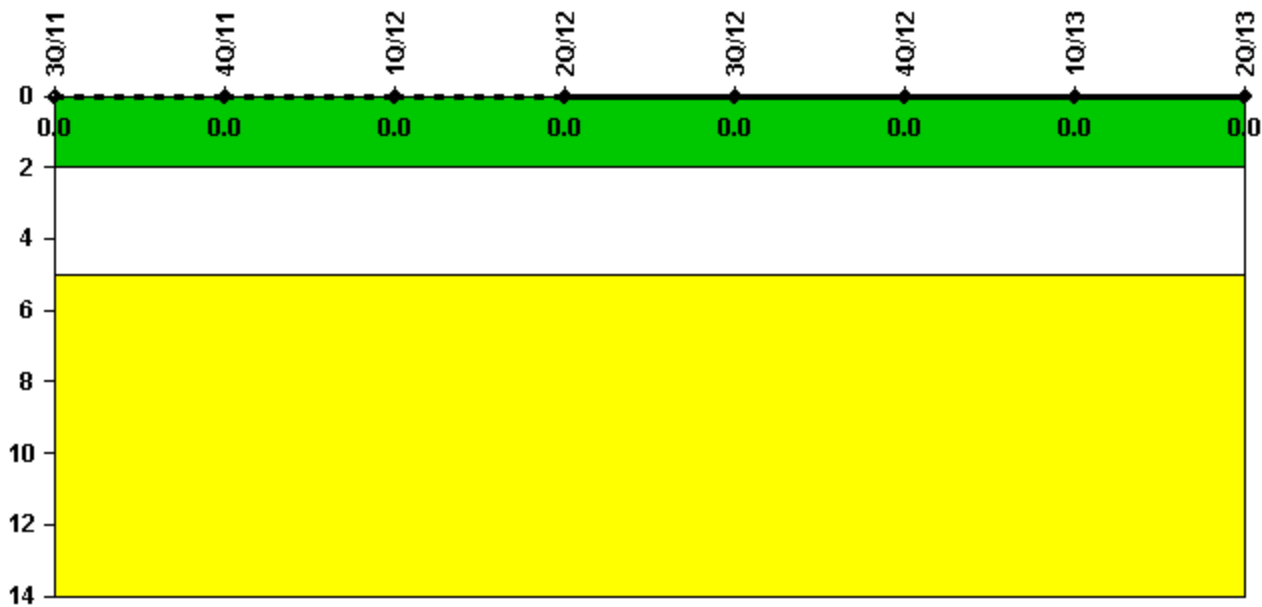
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	2395	2390	2367	2391	2397	2302	2356	2399
Total sirens-tests	2403	2403	2403	2403	2403	2314	2403	2403
Indicator value	99.5%	99.4%	99.1%	99.3%	99.3%	99.3%	99.2%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



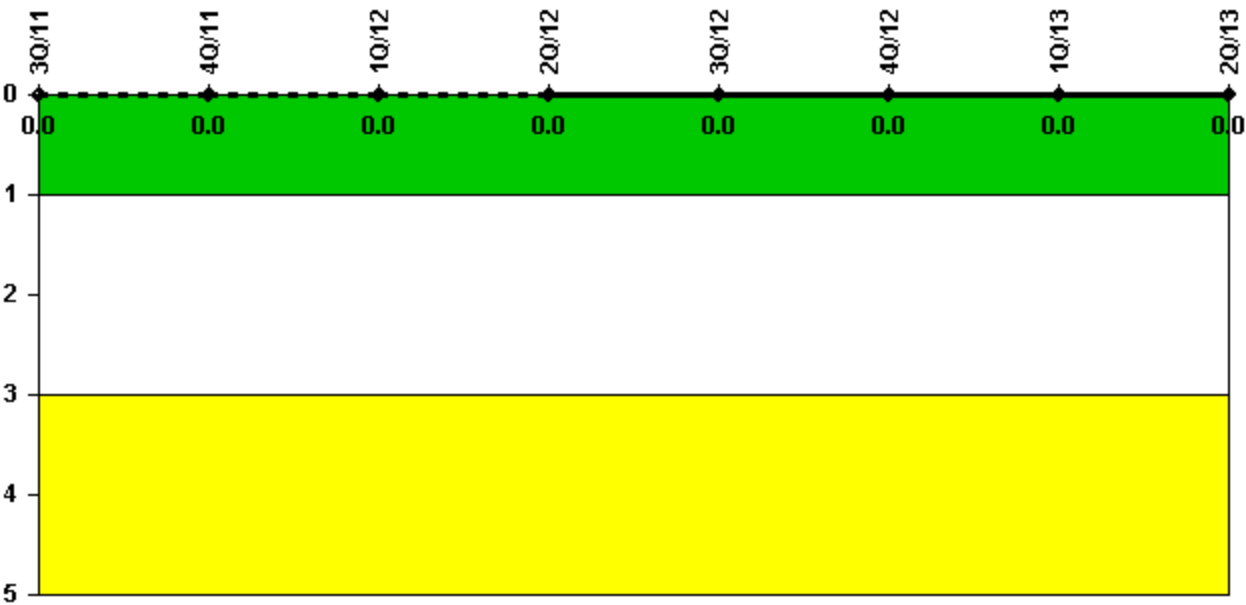
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
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/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

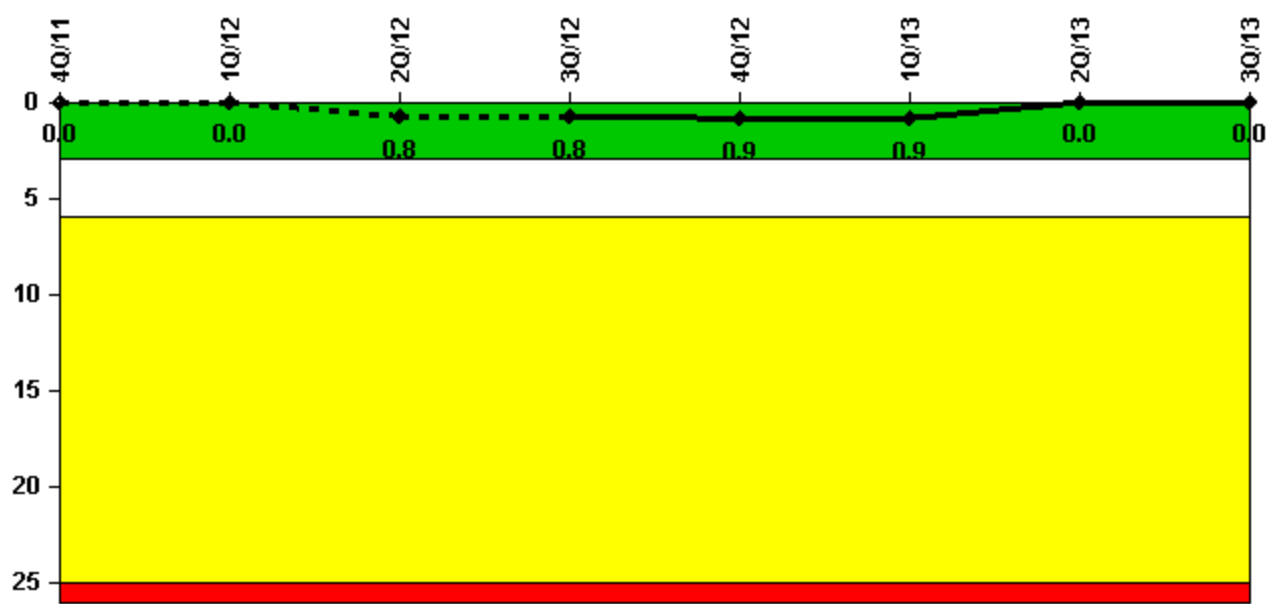
Catawba 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



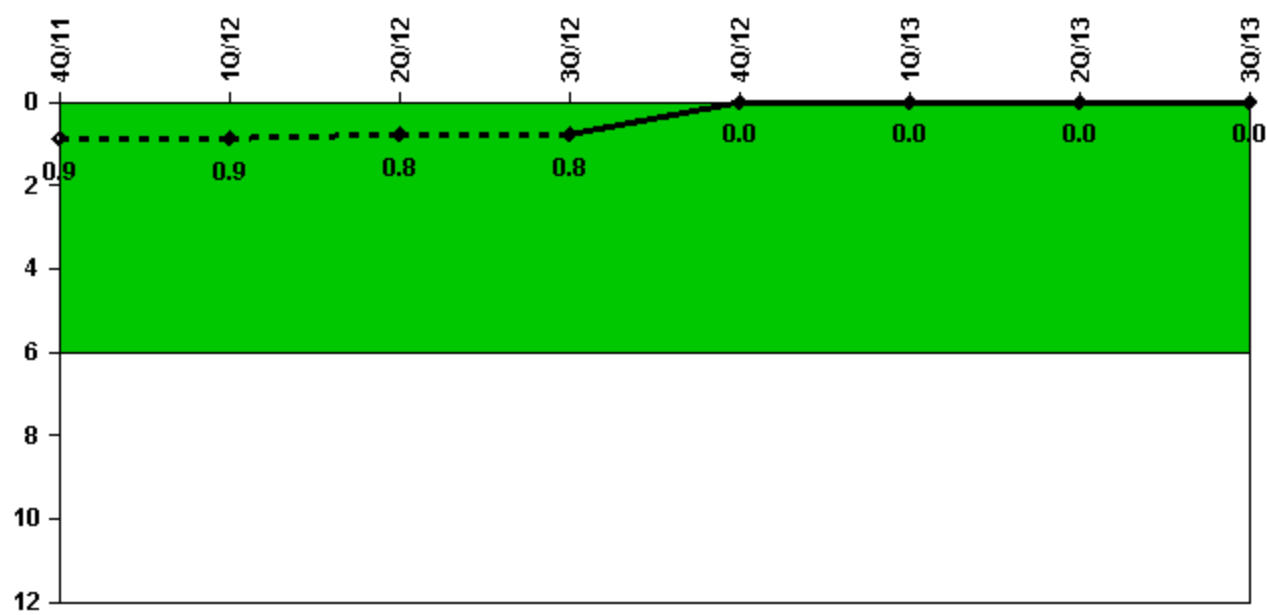
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2193.3	2183.0	1912.7	2208.0	1417.1	2159.0	2184.0	2208.0
Indicator value	0	0	0.8	0.8	0.9	0.9	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



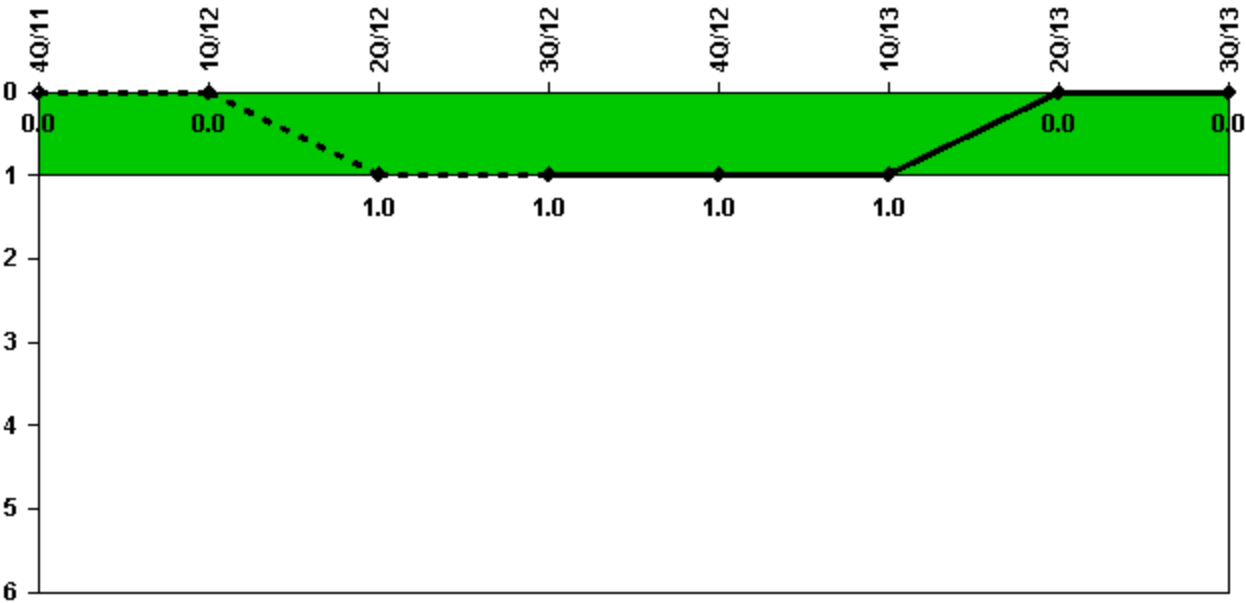
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/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	2193.3	2183.0	1912.7	2208.0	1417.1	2159.0	2184.0	2208.0
Indicator value	0.9	0.9	0.8	0.8	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



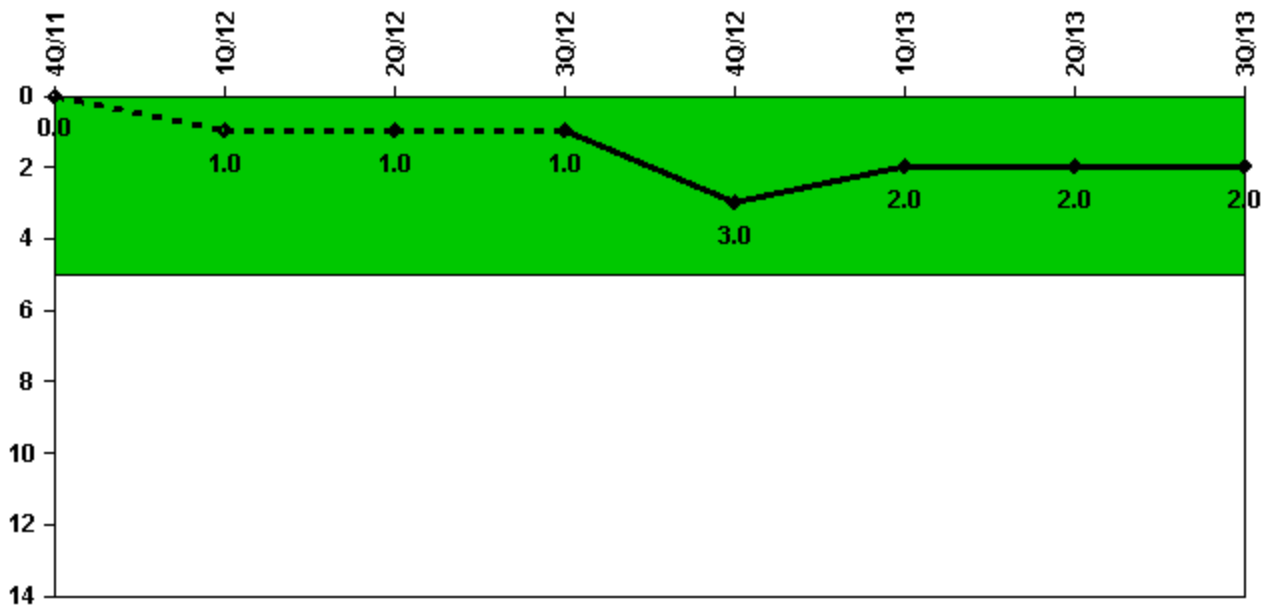
Thresholds: White > 1.0

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	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: none

Safety System Functional Failures (PWR)



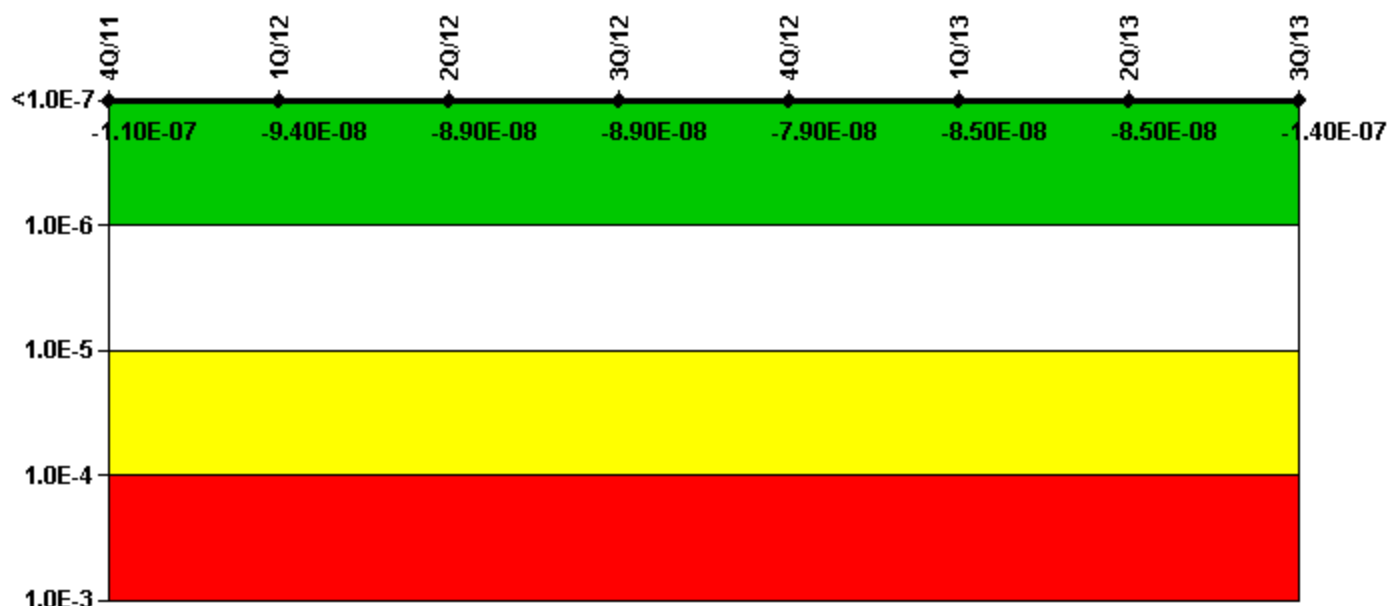
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	1	0	0	2	0	0	0
Indicator value	0	1	1	1	3	2	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

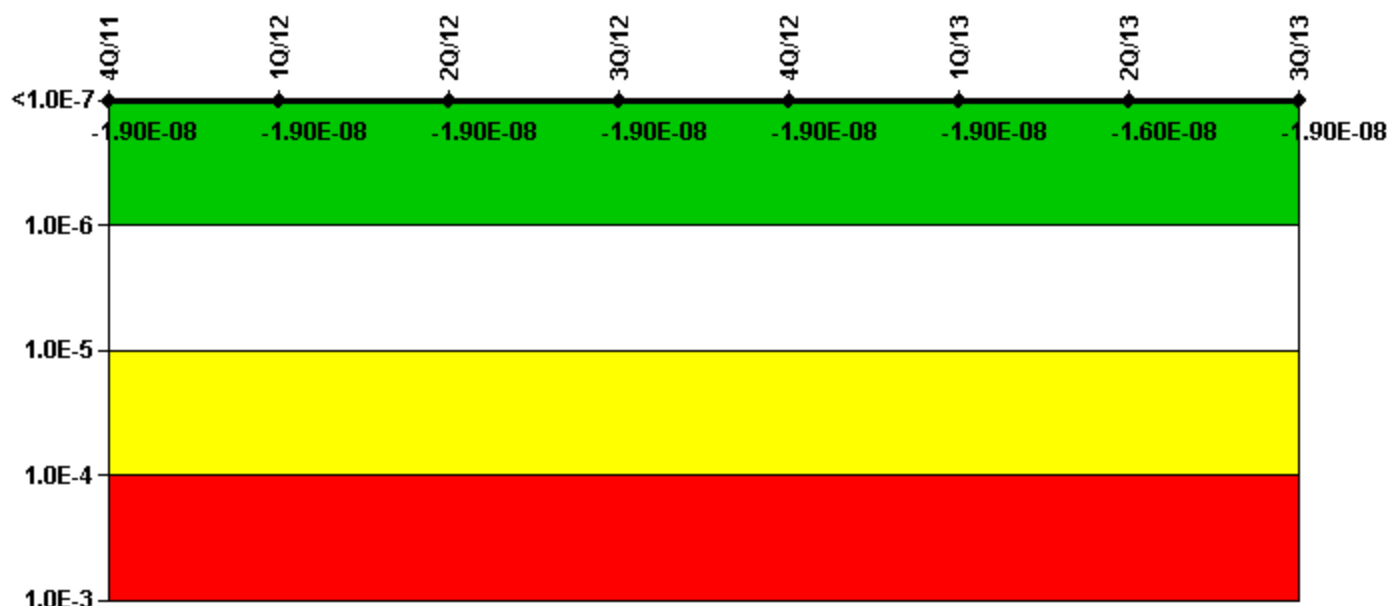
Mitigating Systems Performance Index, Emergency AC Power System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	6.76E-08	8.92E-08	9.35E-08	9.35E-08	1.04E-07	9.76E-08	9.83E-08	4.60E-08
URI (Δ CDF)	-1.78E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-9.40E-08	-8.90E-08	-8.90E-08	-7.90E-08	-8.50E-08	-8.50E-08	-1.40E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/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

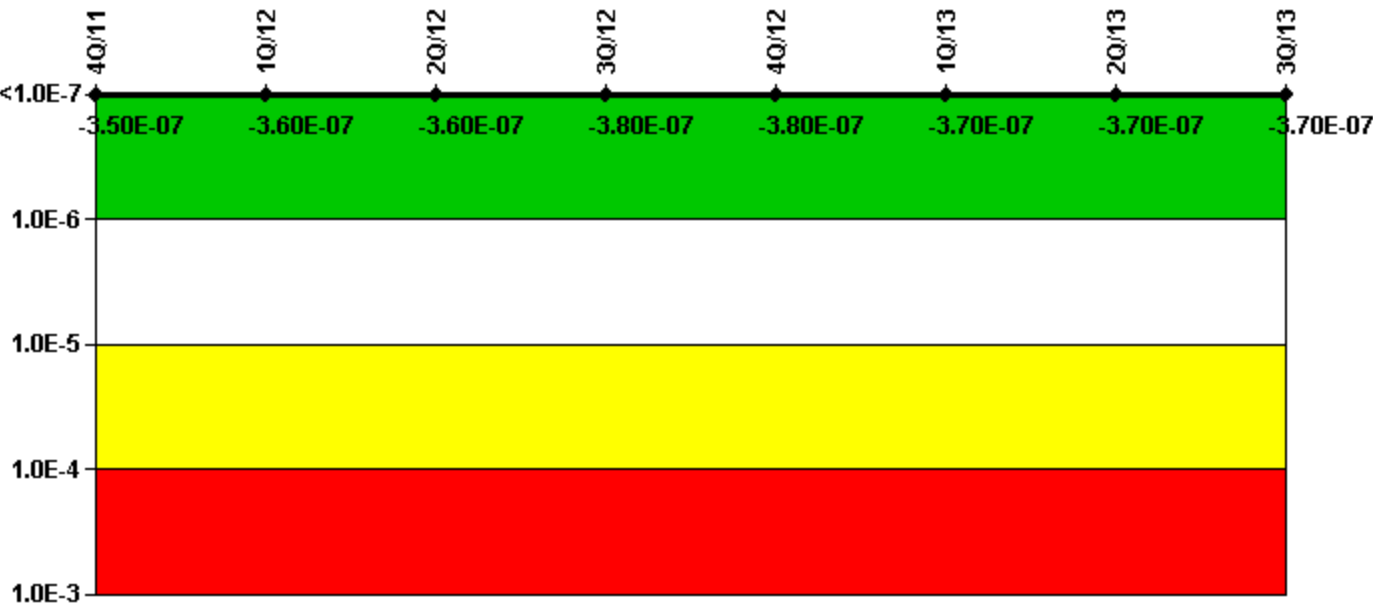
Mitigating Systems Performance Index, High Pressure Injection System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-7.57E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09	-4.41E-09	-7.78E-09
URI (Δ CDF)	-1.14E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.60E-08	-1.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/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

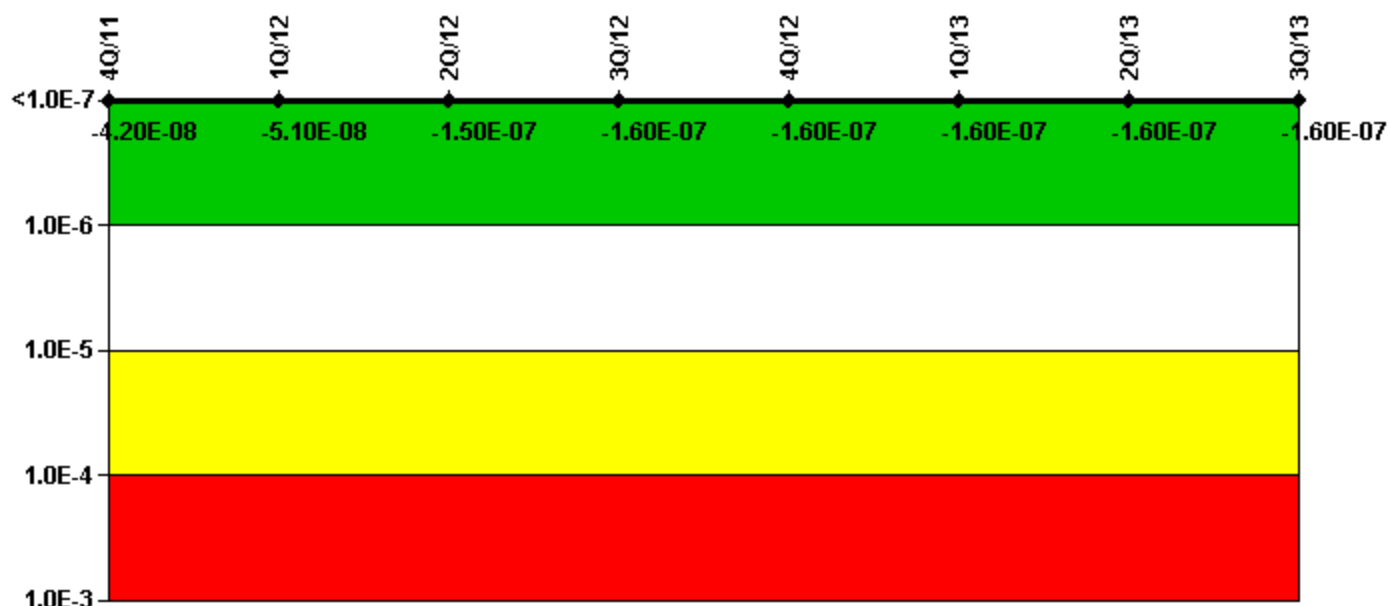
Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	-1.89E-09	-9.11E-09	-1.17E-08	-2.24E-08	-2.32E-08	-1.92E-08	-1.85E-08	-1.40E-08
URI (ΔCDF)	-3.43E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.50E-07	-3.60E-07	-3.60E-07	-3.80E-07	-3.80E-07	-3.70E-07	-3.70E-07	-3.70E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/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

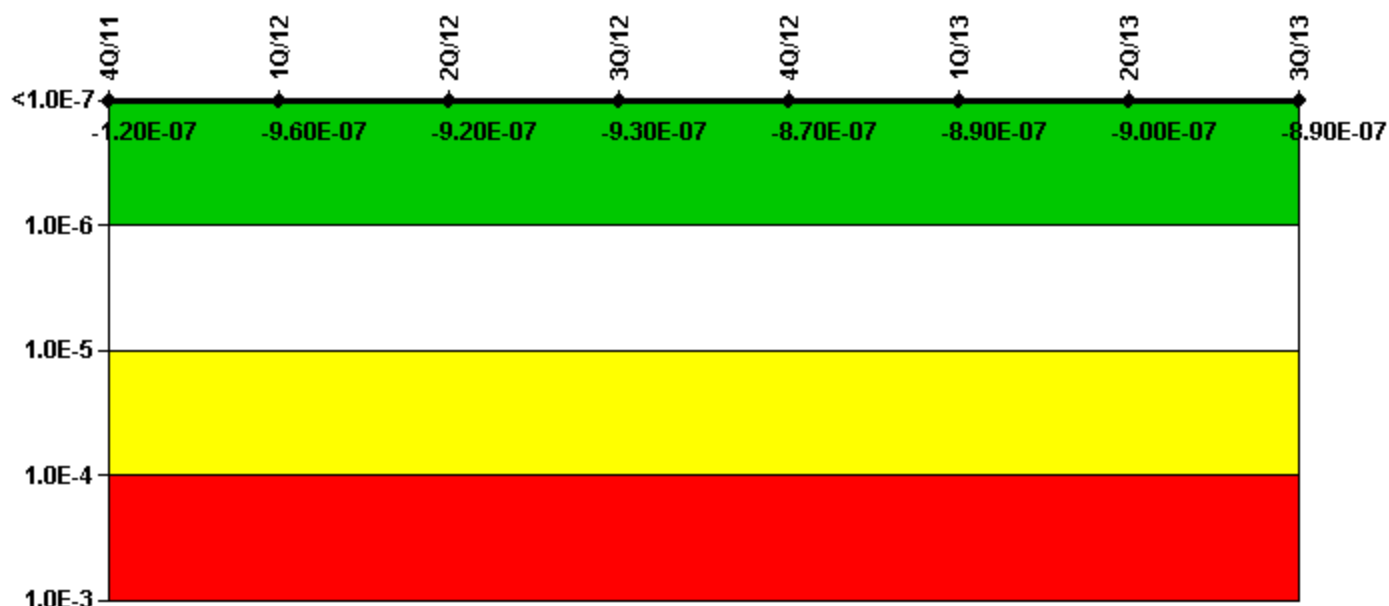
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	9.75E-08	9.30E-08	-1.07E-08	-1.20E-08	-1.14E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (Δ CDF)	-1.40E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-5.10E-08	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/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

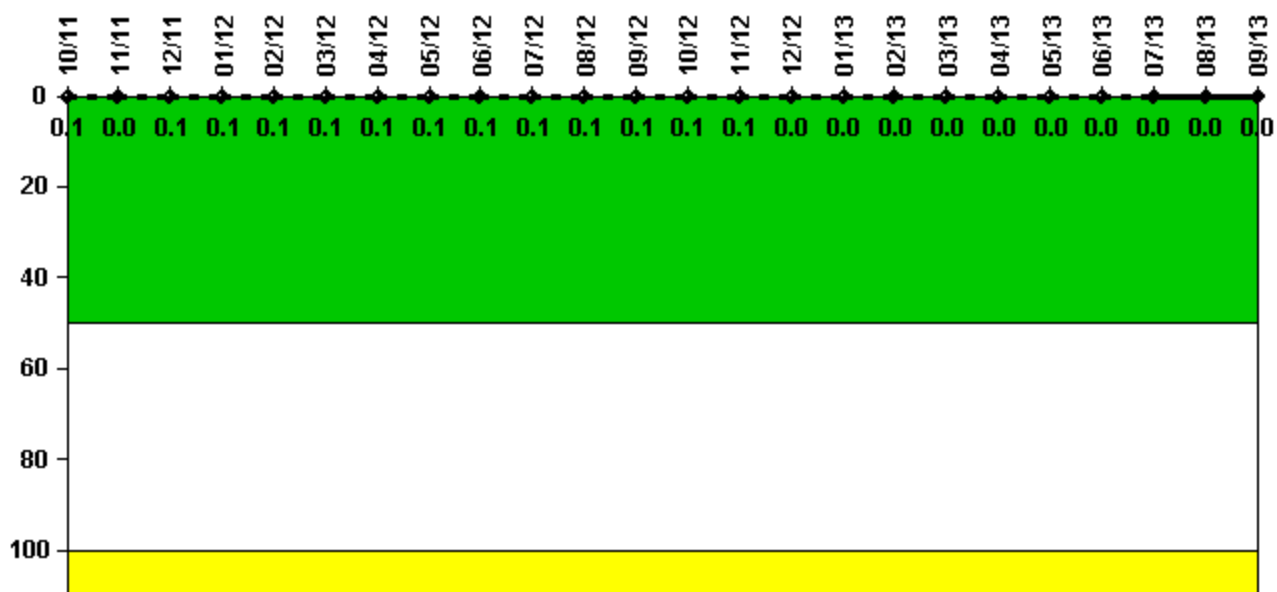
Mitigating Systems Performance Index, Cooling Water Systems	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-1.39E-08	-5.11E-07	-4.77E-07	-4.84E-07	-4.22E-07	-4.46E-07	-4.48E-07	-4.38E-07
URI (Δ CDF)	-1.10E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-9.60E-07	-9.20E-07	-9.30E-07	-8.70E-07	-8.90E-07	-9.00E-07	-8.90E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity



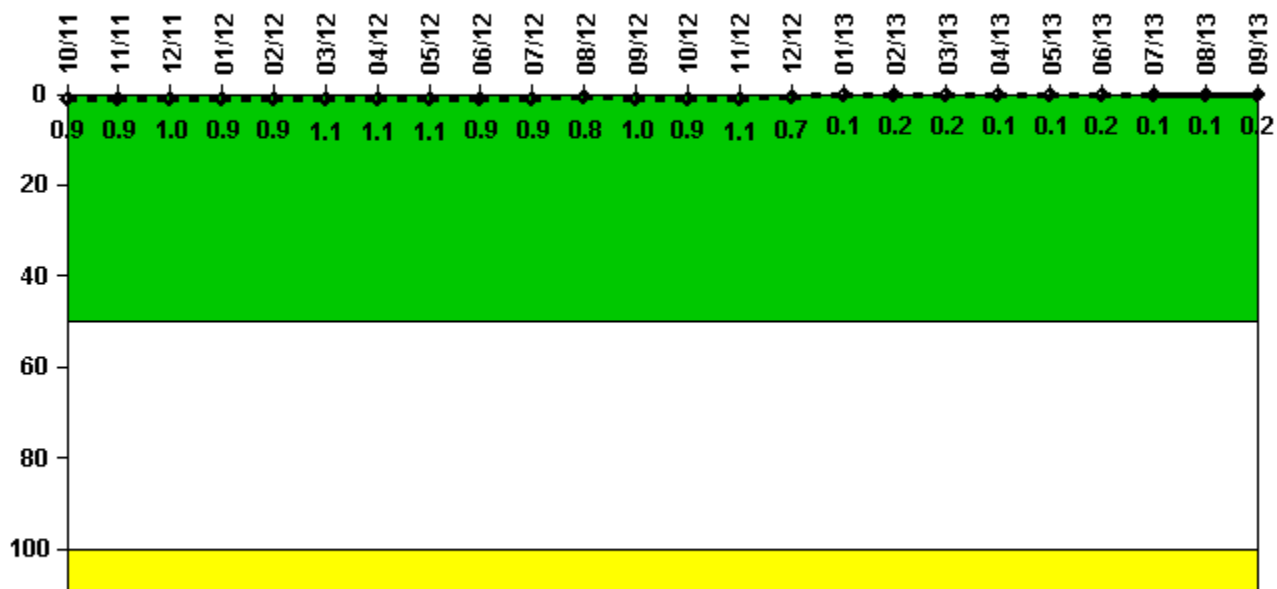
Thresholds: White > 50.0 Yellow > 100.0

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	0.000233	0.000222	0.000241	0.000273	0.000241	0.000266	0.000264	0.000310	0.000297	0.000302	0.000312	0.000354
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	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	0.000323	0.000304	0.000020	0.000090	0.000075	0.000055	0.000059	0.000084	0.000068	0.000146	0.000079	0.000079
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



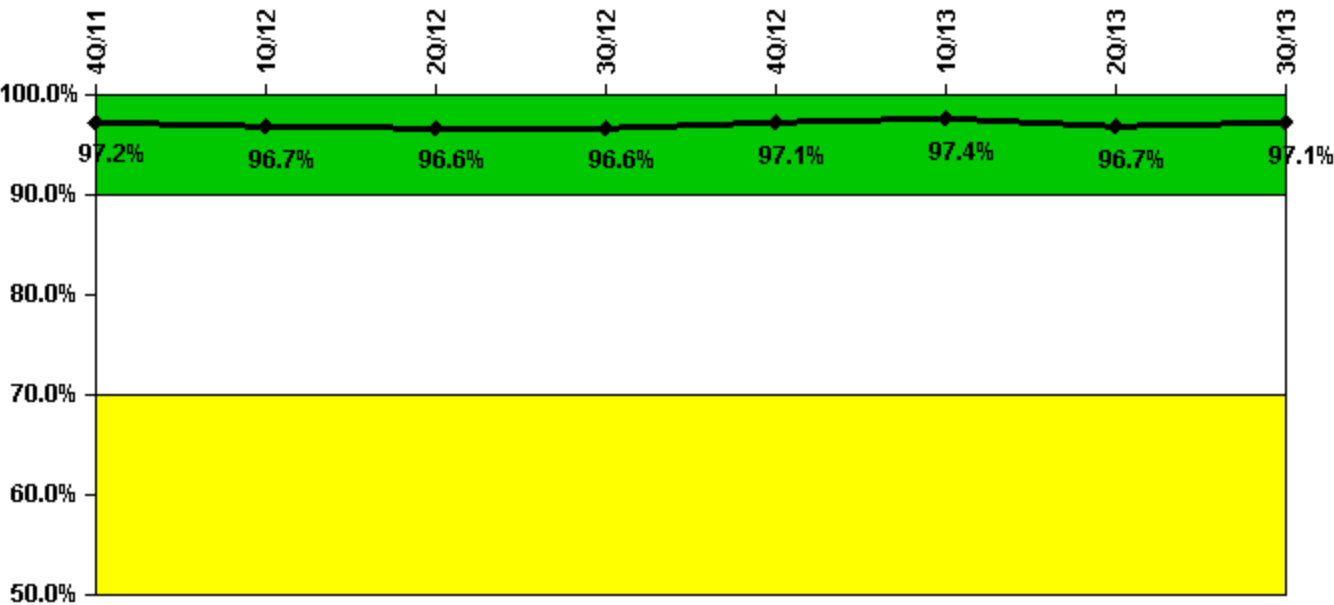
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	0.086	0.094	0.097	0.094	0.094	0.106	0.105	0.108	0.090	0.091	0.083	0.099
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	1.0	0.9	0.9	1.1	1.1	1.1	0.9	0.9	0.8	1.0
Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.092	0.106	0.067	0.009	0.016	0.017	0.014	0.013	0.018	0.013	0.012	0.016
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.1	0.7	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2

Licensee Comments: none

Drill/Exercise Performance



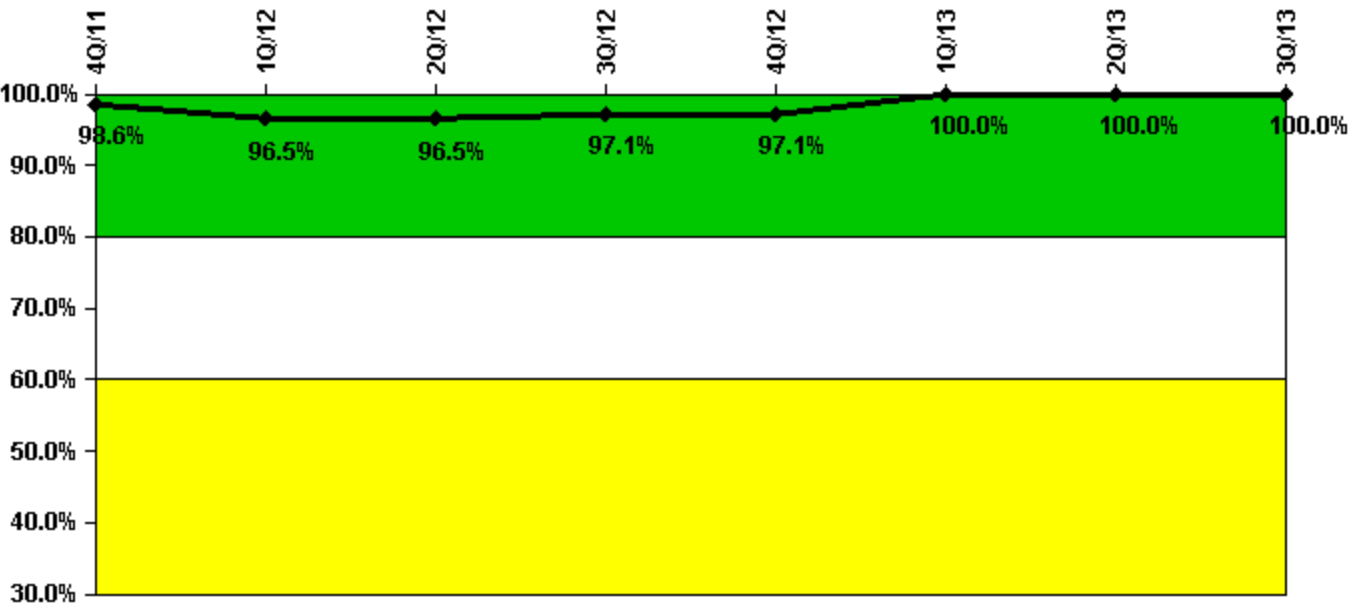
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	8.0	8.0	20.0	41.0	30.0	38.0	47.0	39.0
Total opportunities	8.0	8.0	21.0	42.0	30.0	38.0	50.0	41.0
Indicator value	97.2%	96.7%	96.6%	96.6%	97.1%	97.4%	96.7%	97.1%

Licensee Comments: none

ERO Drill Participation



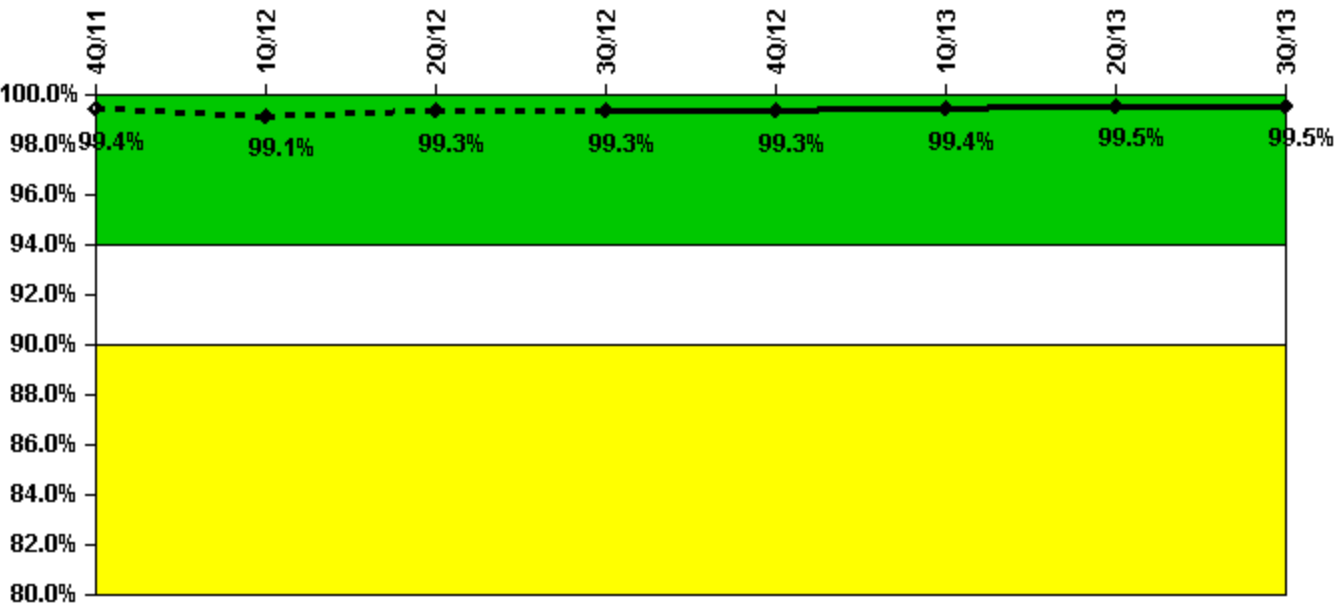
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	141.0	138.0	137.0	136.0	134.0	131.0	135.0	132.0
Total Key personnel	143.0	143.0	142.0	140.0	138.0	131.0	135.0	132.0
Indicator value	98.6%	96.5%	96.5%	97.1%	97.1%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



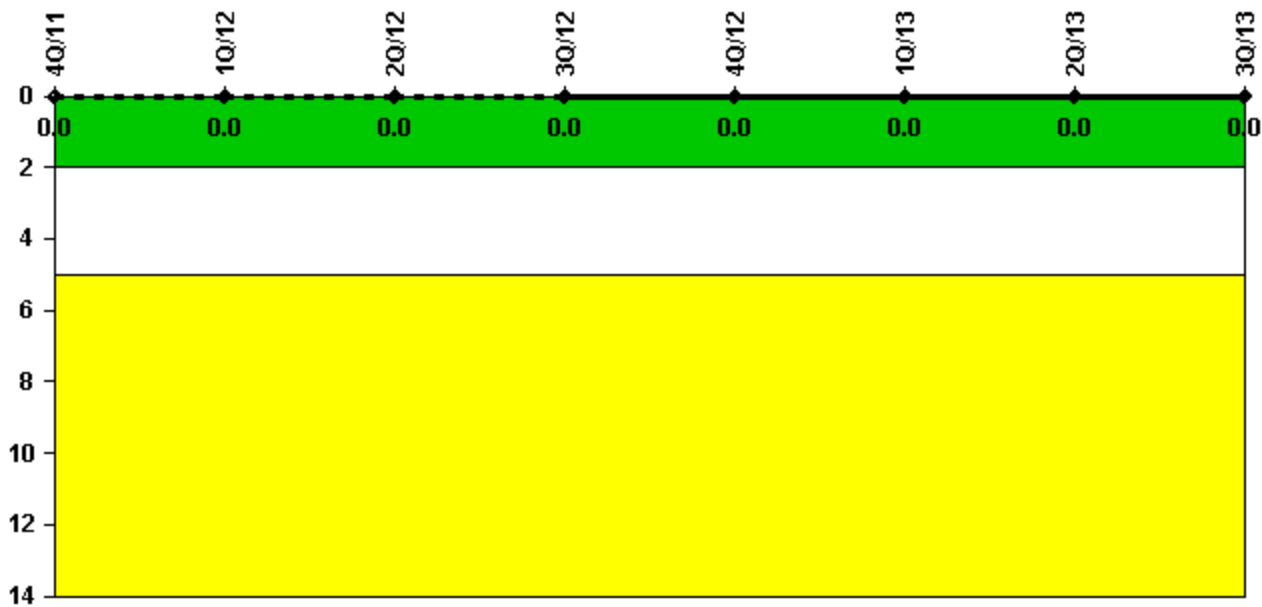
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	2390	2367	2391	2397	2302	2373	2399	2402
Total sirens-tests	2403	2403	2403	2403	2314	2403	2403	2403
Indicator value	99.4%	99.1%	99.3%	99.3%	99.3%	99.4%	99.5%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



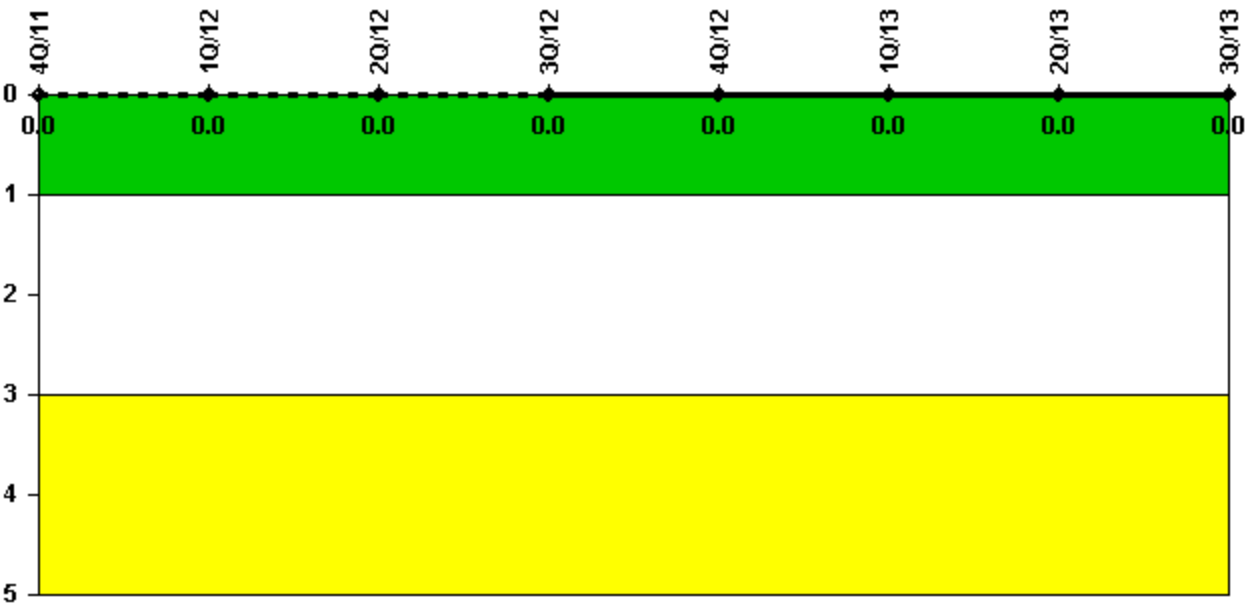
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

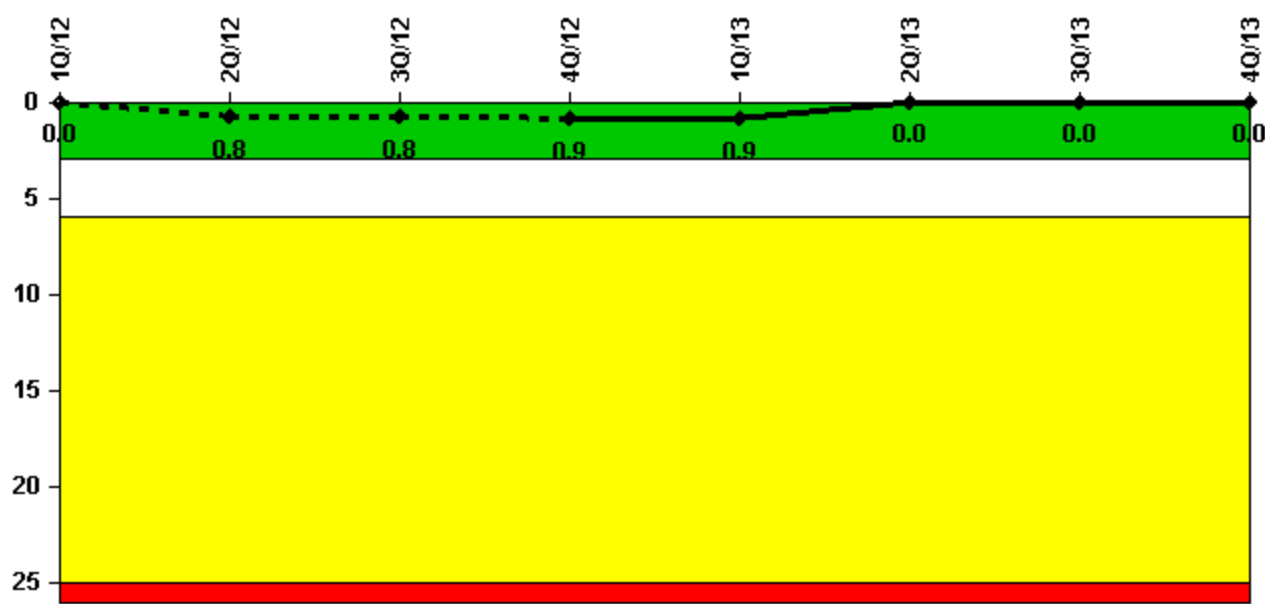
Catawba 1

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



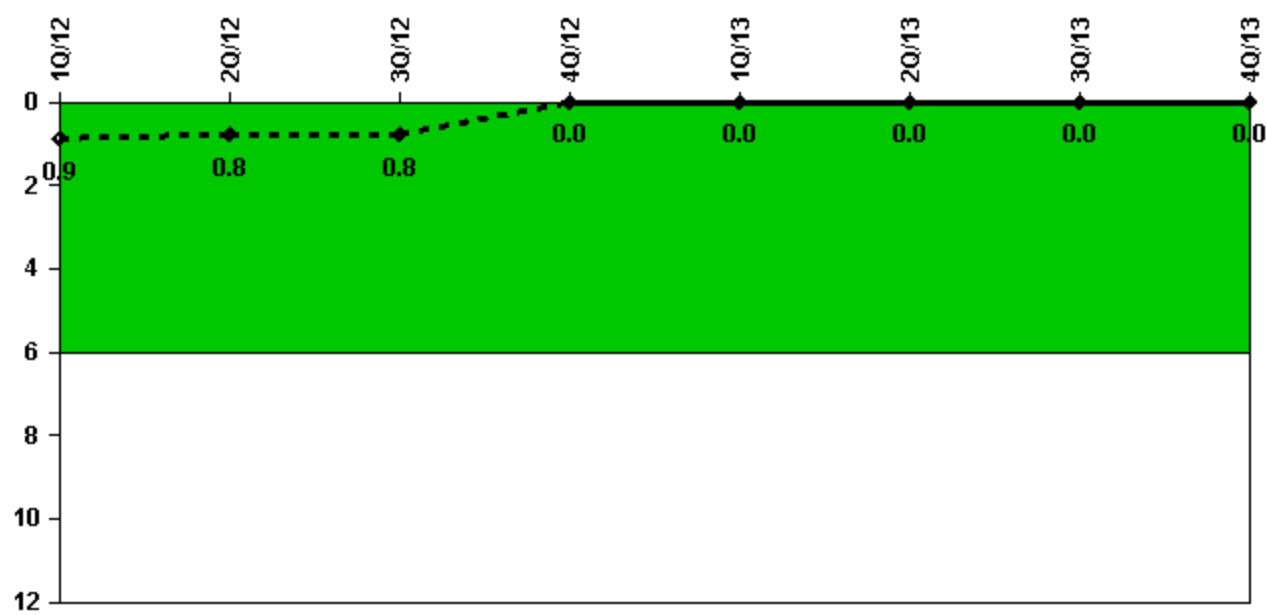
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2183.0	1912.7	2208.0	1417.1	2159.0	2184.0	2208.0	2209.0
Indicator value	0	0.8	0.8	0.9	0.9	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



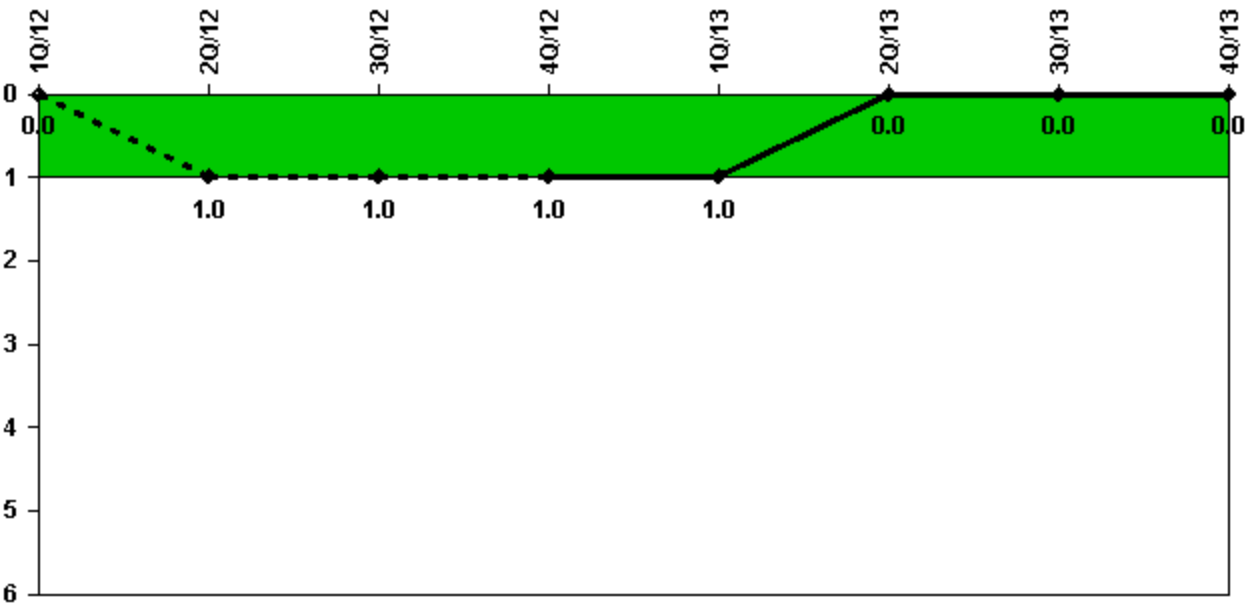
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/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	2183.0	1912.7	2208.0	1417.1	2159.0	2184.0	2208.0	2209.0
Indicator value	0.9	0.8	0.8	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



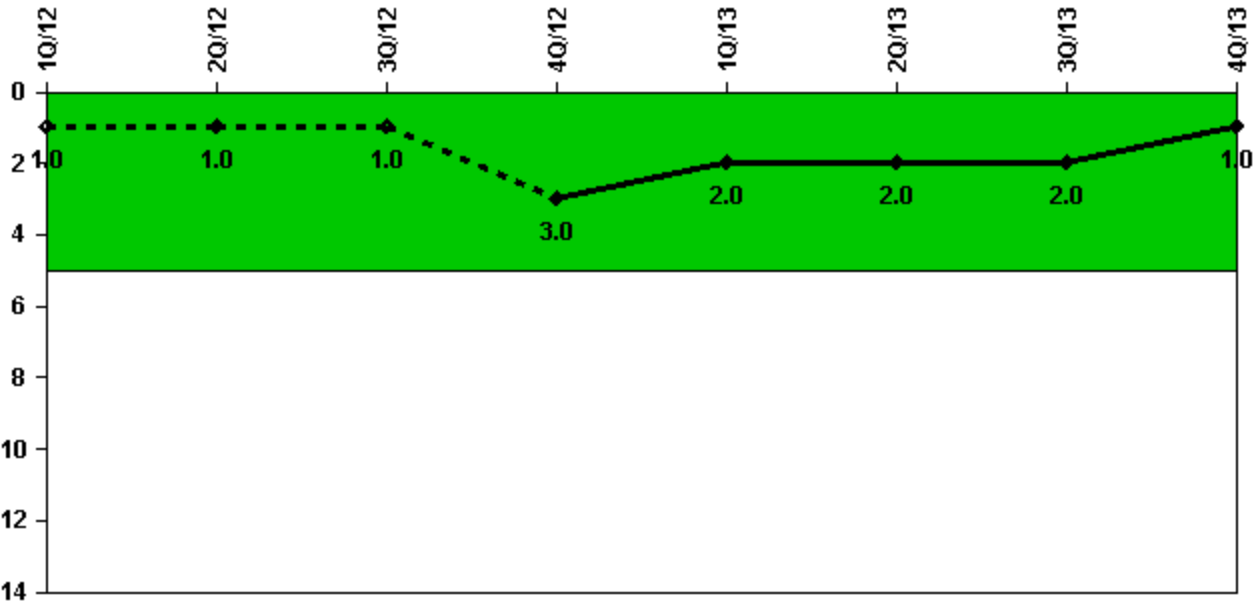
Thresholds: White > 1.0

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	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 (PWR)



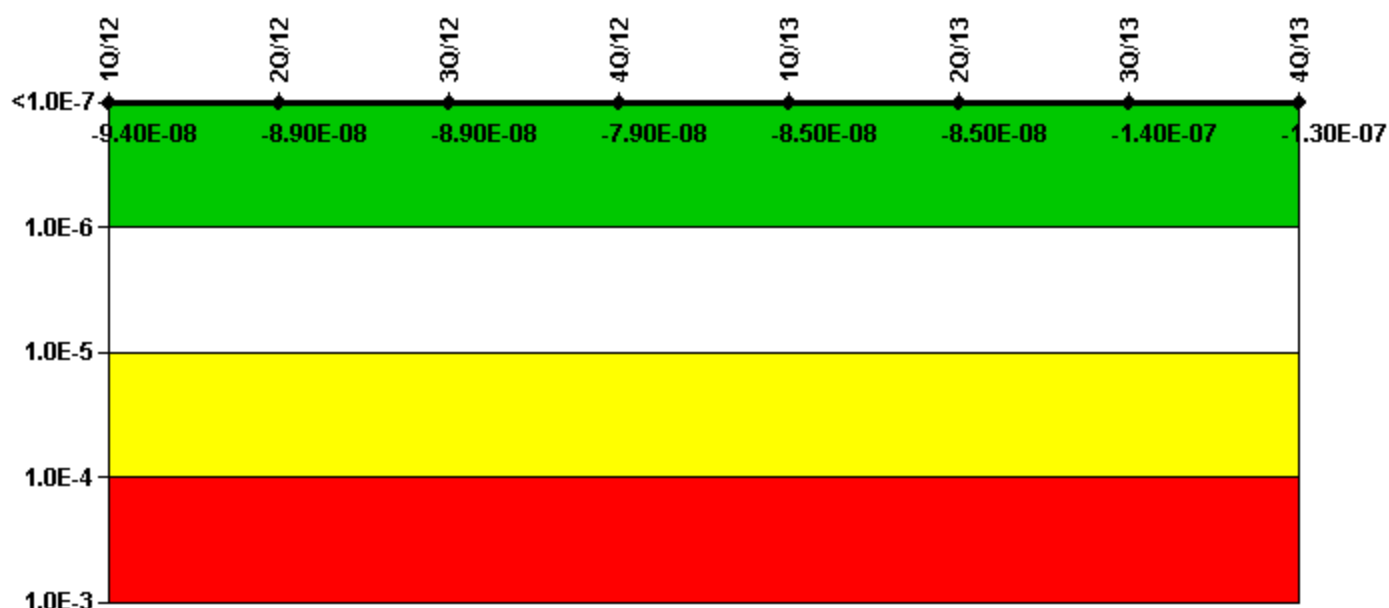
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	1	0	0	2	0	0	0	1
Indicator value	1	1	1	3	2	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

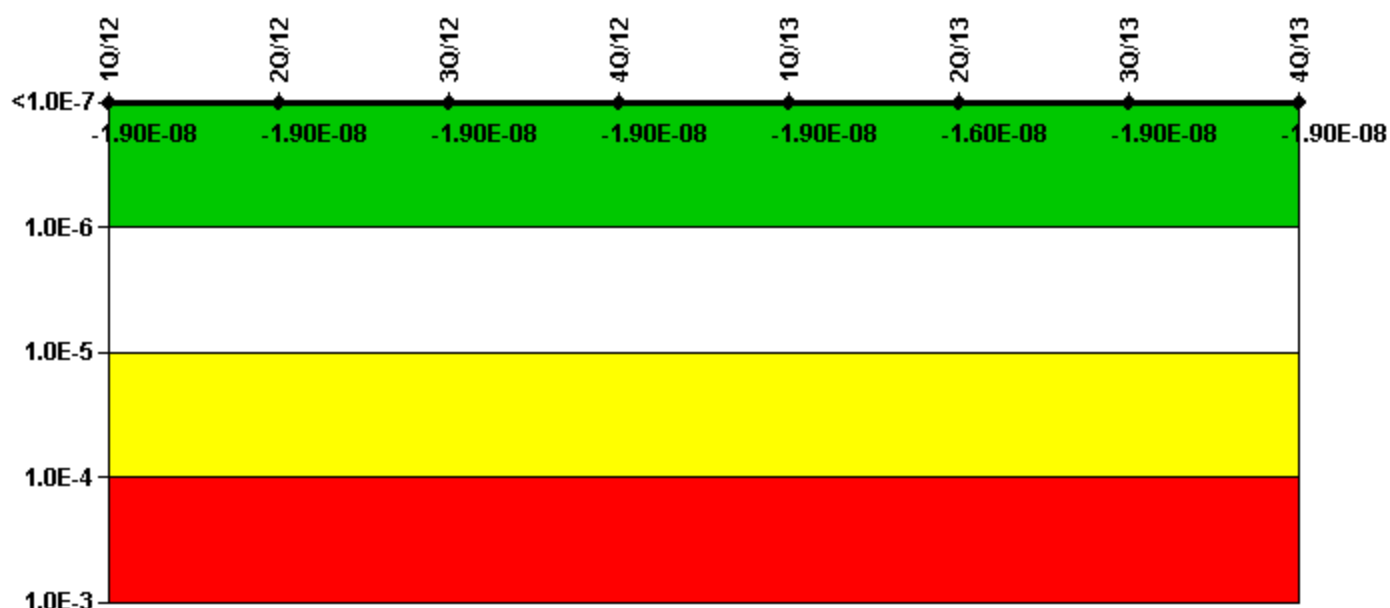
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	8.92E-08	9.35E-08	9.35E-08	1.04E-07	9.76E-08	9.83E-08	4.60E-08	4.92E-08
URI (Δ CDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.40E-08	-8.90E-08	-8.90E-08	-7.90E-08	-8.50E-08	-8.50E-08	-1.40E-07	-1.30E-07

Licensee Comments:

1Q/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

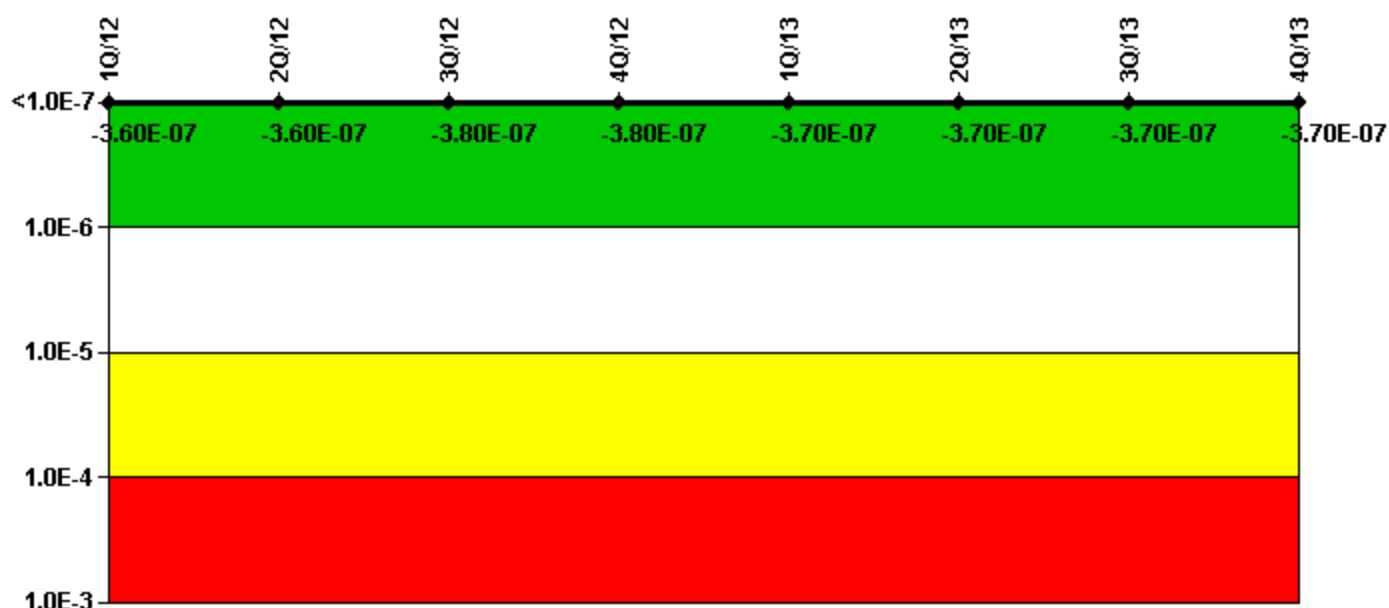
Notes

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)	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09	-4.41E-09	-7.78E-09	-6.96E-09
URI (Δ CDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.60E-08	-1.90E-08	-1.90E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

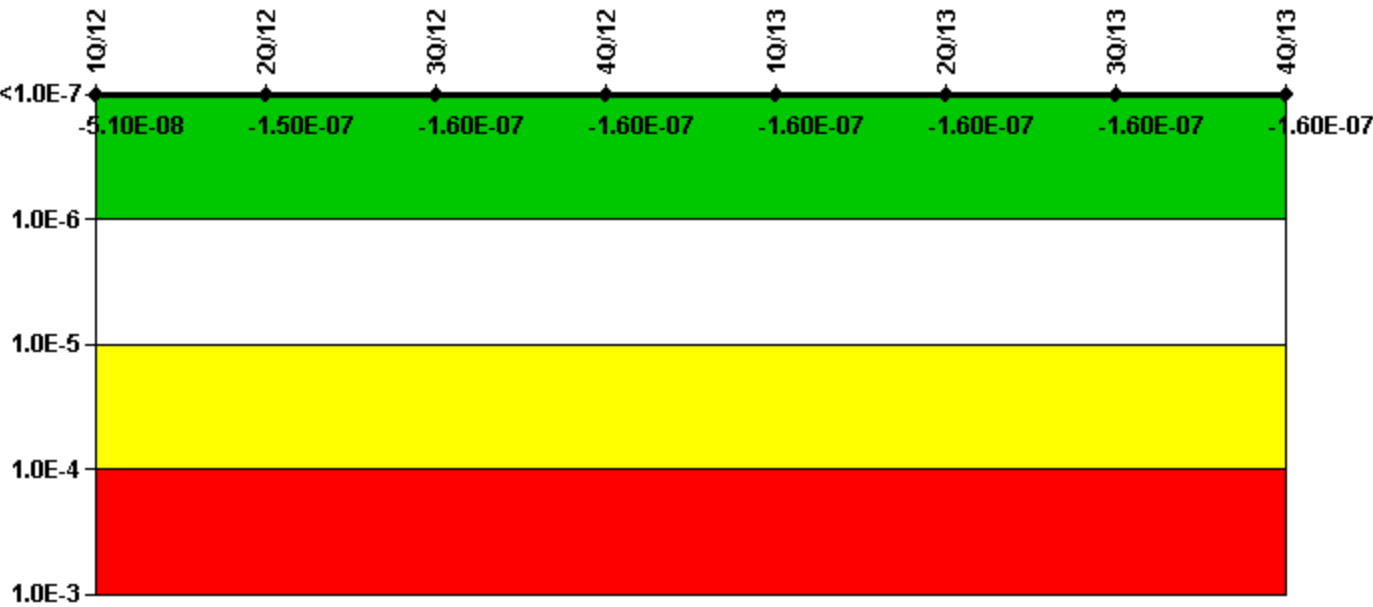
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-9.11E-09	-1.17E-08	-2.24E-08	-2.32E-08	-1.92E-08	-1.85E-08	-1.40E-08	-1.47E-08
URI (Δ CDF)	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.60E-07	-3.60E-07	-3.80E-07	-3.80E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System



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

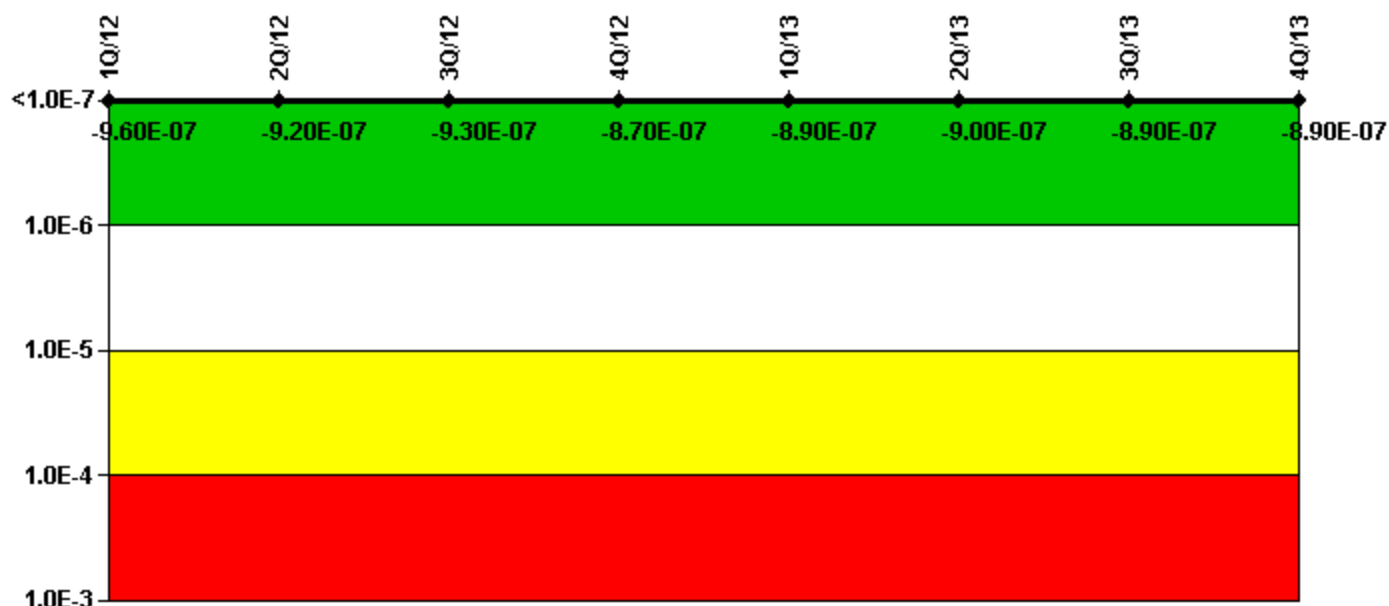
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	9.30E-08	-1.07E-08	-1.20E-08	-1.14E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-08	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments:

1Q/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

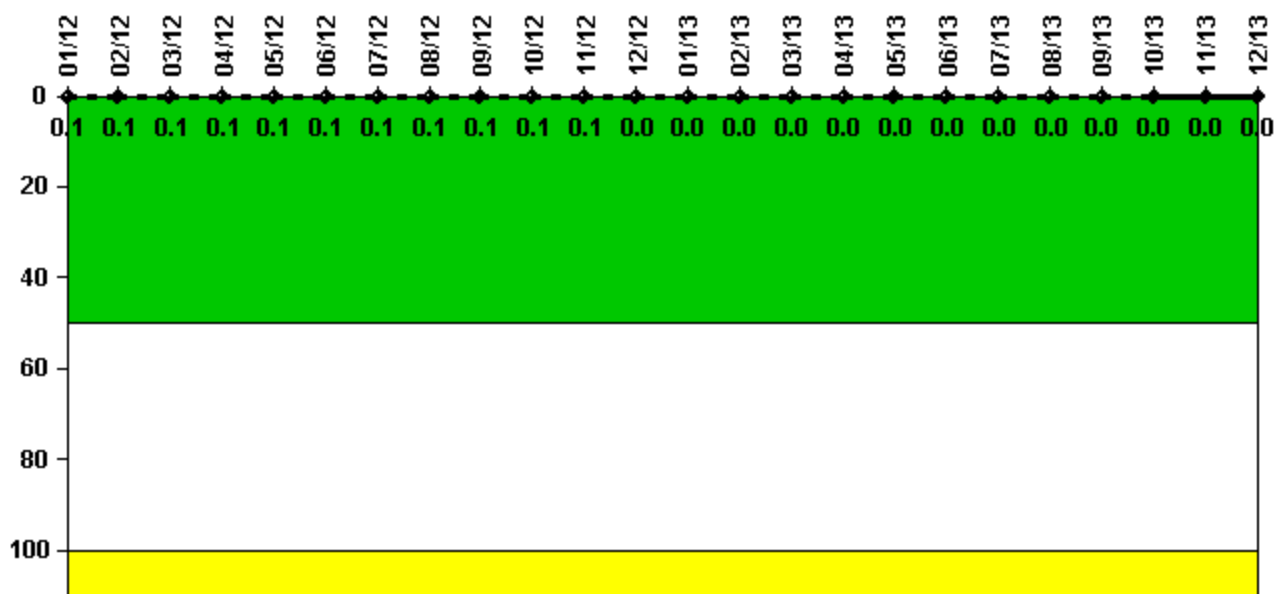
Notes

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)	-5.11E-07	-4.77E-07	-4.84E-07	-4.22E-07	-4.46E-07	-4.48E-07	-4.38E-07	-4.38E-07
URI (Δ CDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.60E-07	-9.20E-07	-9.30E-07	-8.70E-07	-8.90E-07	-9.00E-07	-8.90E-07	-8.90E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

Reactor Coolant System Activity



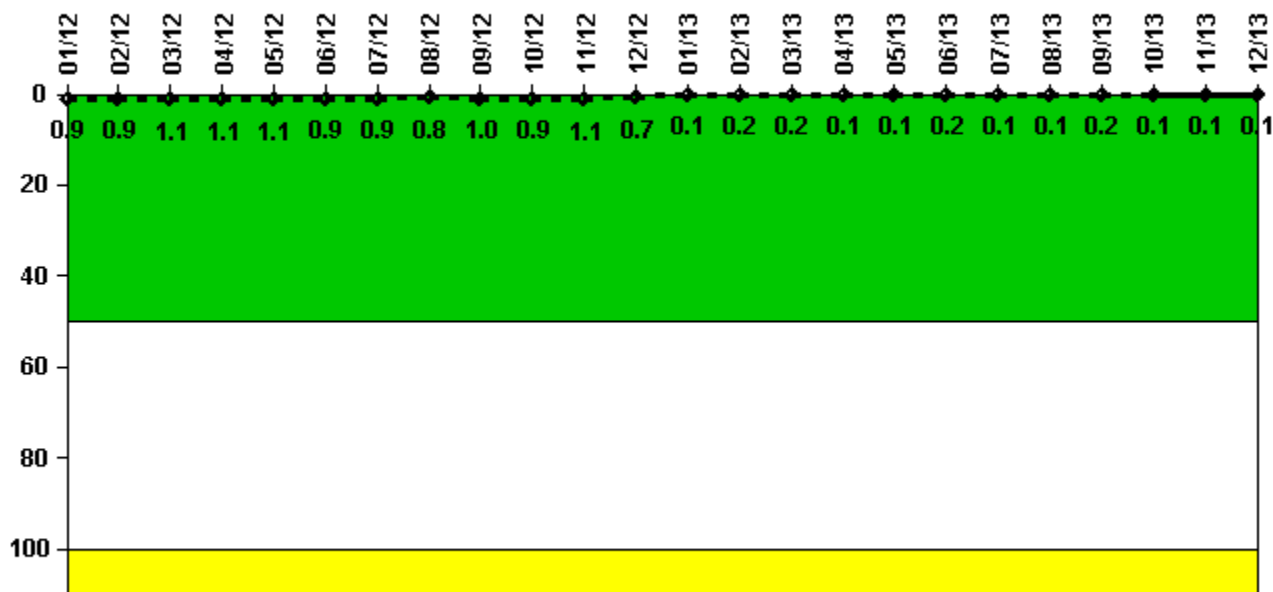
Thresholds: White > 50.0 Yellow > 100.0

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	0.000273	0.000241	0.000266	0.000264	0.000310	0.000297	0.000302	0.000312	0.000354	0.000323	0.000304	0.000020
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.000090	0.000075	0.000055	0.000059	0.000084	0.000068	0.000146	0.000079	0.000079	0.000091	0.000090	0.000088
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



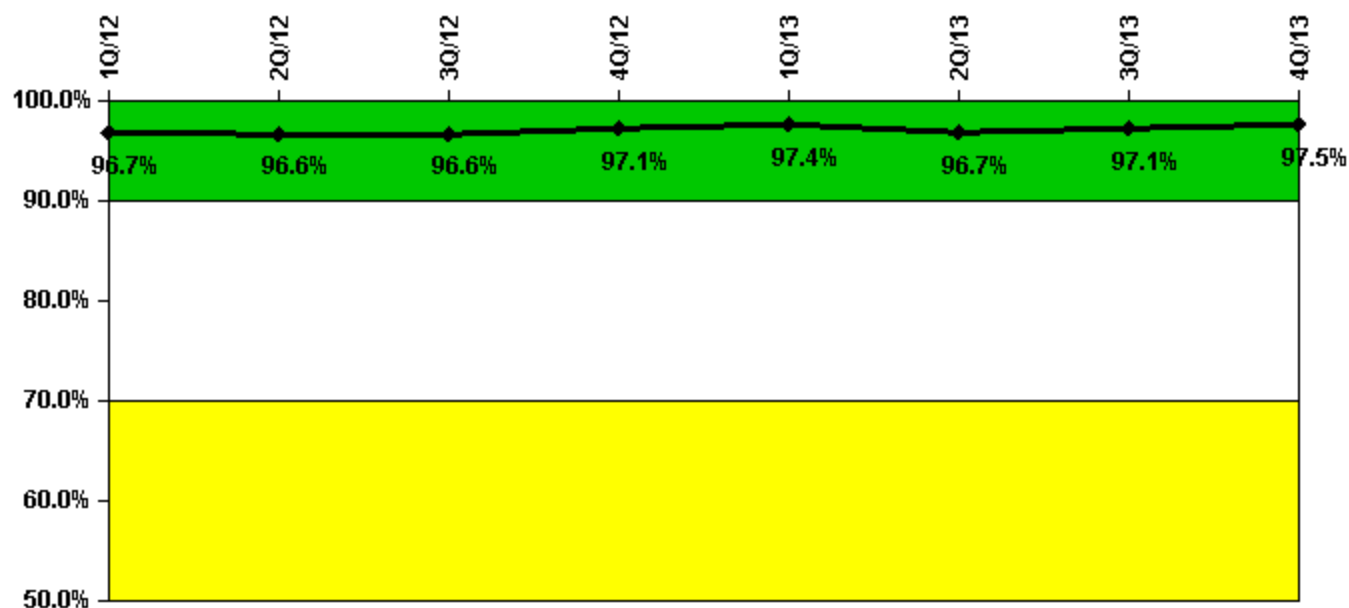
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.094	0.094	0.106	0.105	0.108	0.090	0.091	0.083	0.099	0.092	0.106	0.067
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	1.1	1.1	1.1	0.9	0.9	0.8	1.0	0.9	1.1	0.7
Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.009	0.016	0.017	0.014	0.013	0.018	0.013	0.012	0.016	0.008	0.008	0.011
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1

Licensee Comments: none

Drill/Exercise Performance



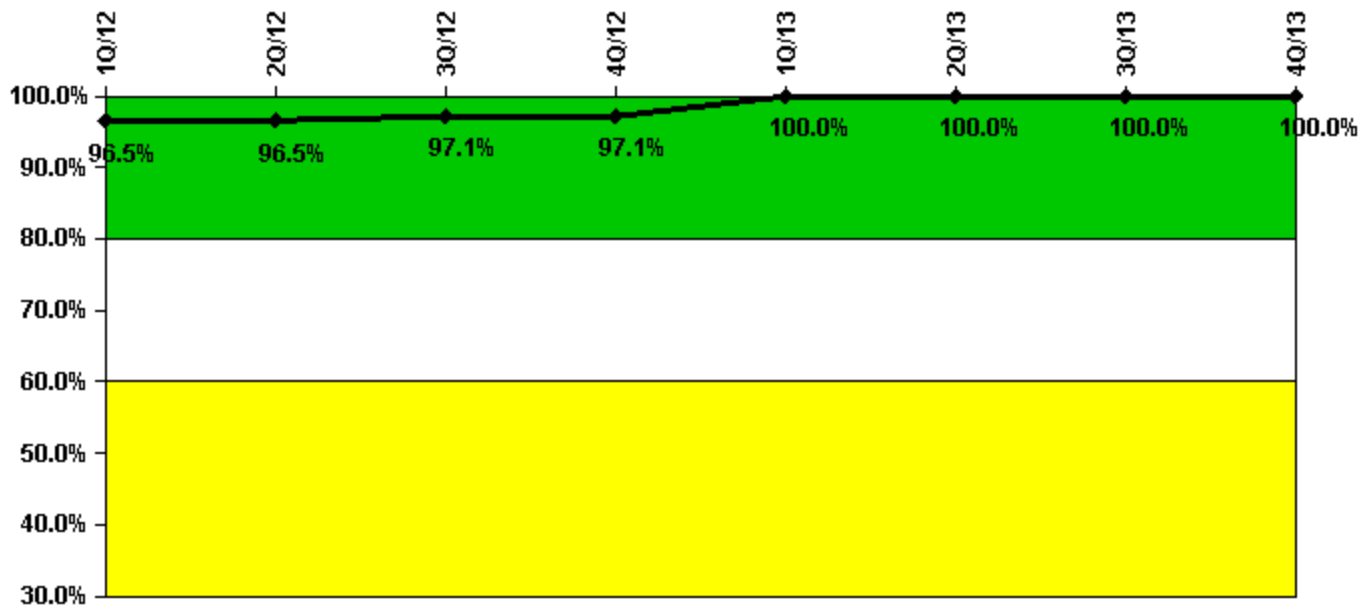
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	8.0	20.0	41.0	30.0	38.0	47.0	39.0	51.0
Total opportunities	8.0	21.0	42.0	30.0	38.0	50.0	41.0	51.0
Indicator value	96.7%	96.6%	96.6%	97.1%	97.4%	96.7%	97.1%	97.5%

Licensee Comments: none

ERO Drill Participation



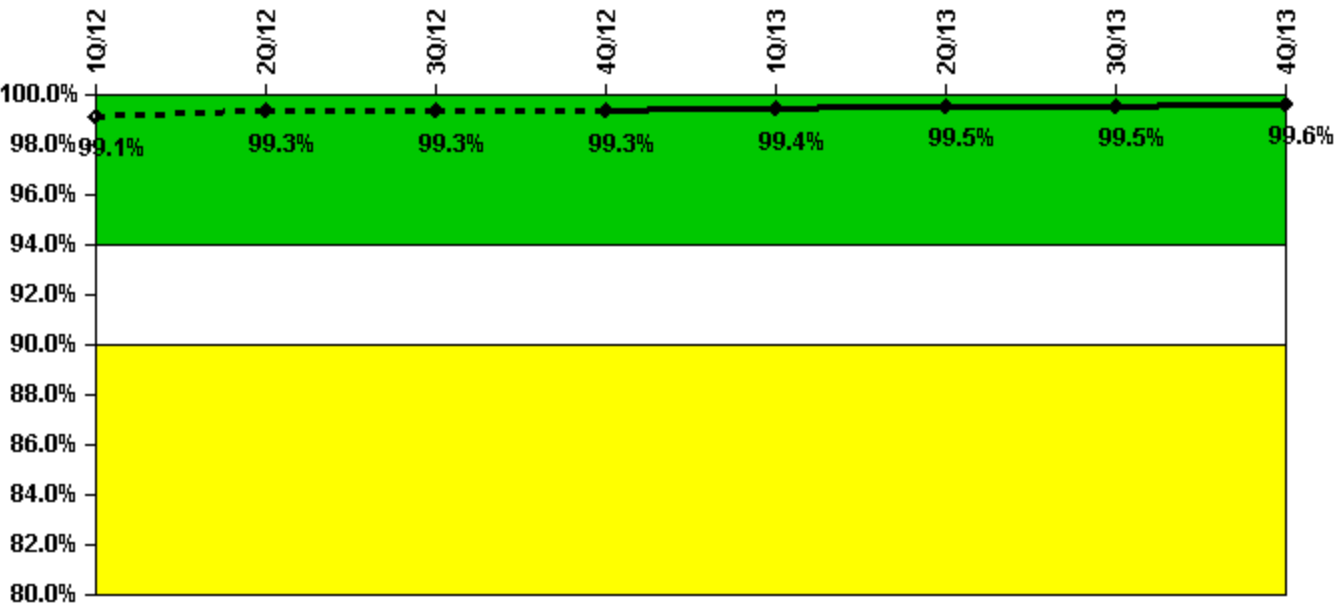
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	138.0	137.0	136.0	134.0	131.0	135.0	132.0	136.0
Total Key personnel	143.0	142.0	140.0	138.0	131.0	135.0	132.0	136.0
Indicator value	96.5%	96.5%	97.1%	97.1%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



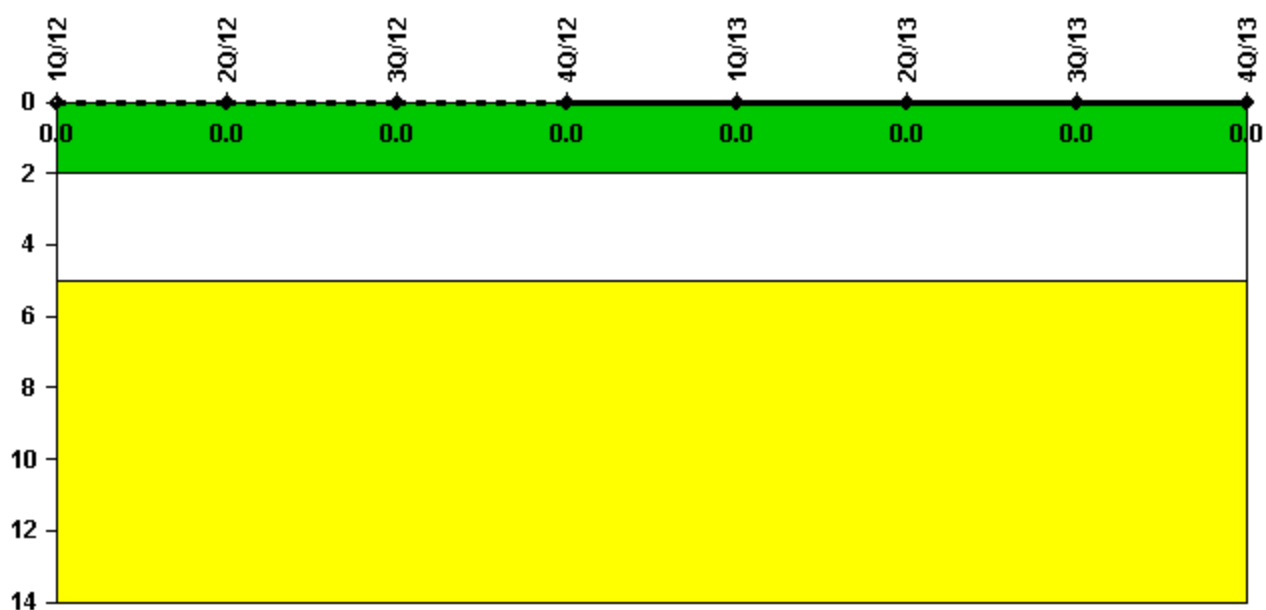
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	2367	2391	2397	2302	2373	2399	2402	2491
Total sirens-tests	2403	2403	2403	2314	2403	2403	2403	2492
Indicator value	99.1%	99.3%	99.3%	99.3%	99.4%	99.5%	99.5%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



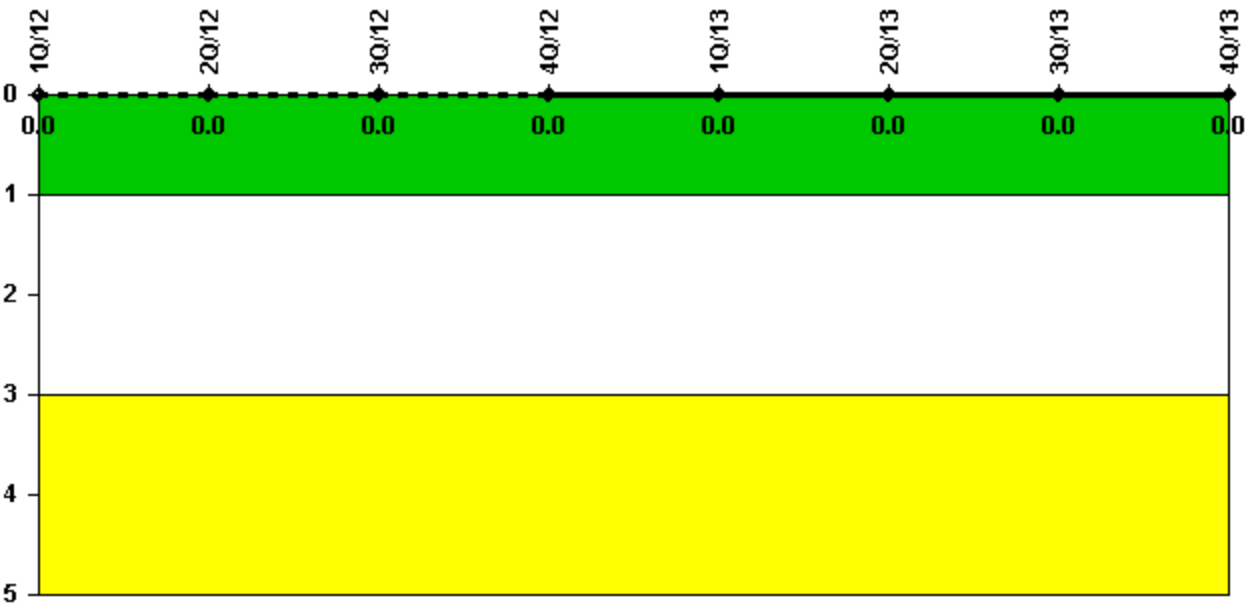
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
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/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

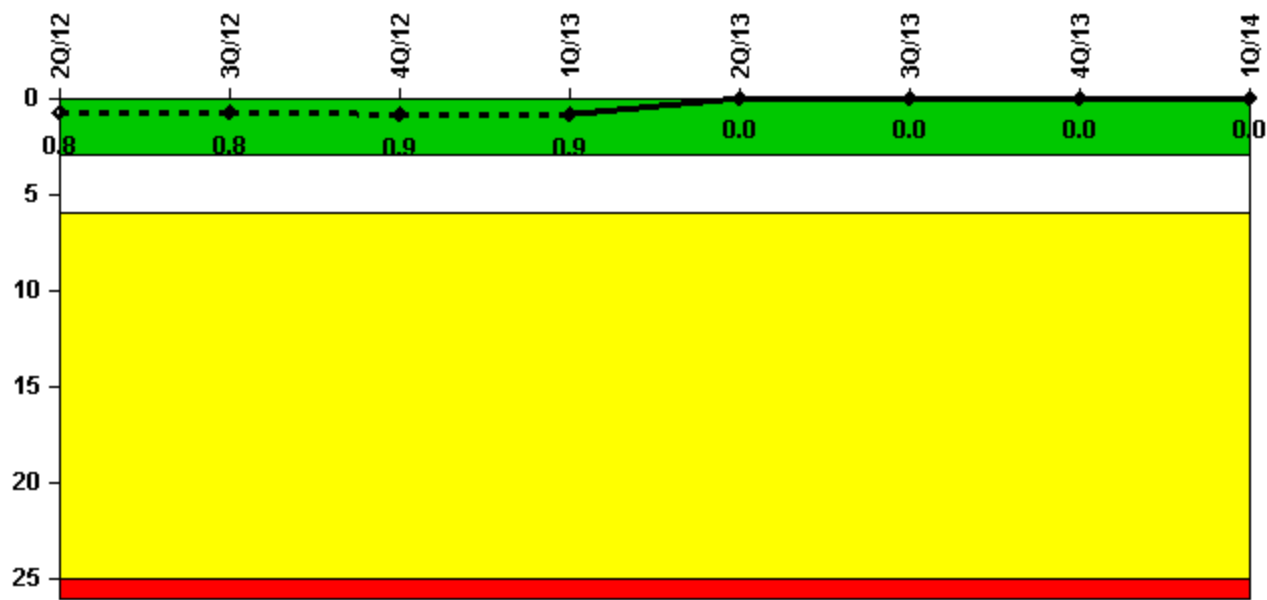
Catawba 1

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



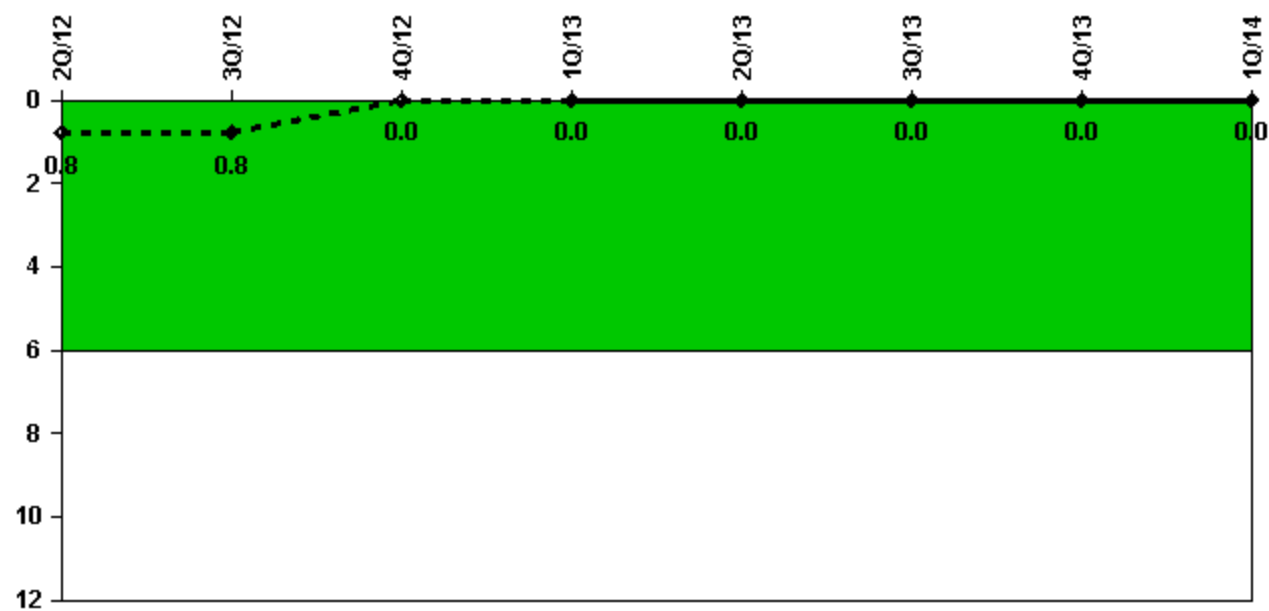
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	0
Critical hours	1912.7	2208.0	1417.1	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	0.8	0.8	0.9	0.9	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



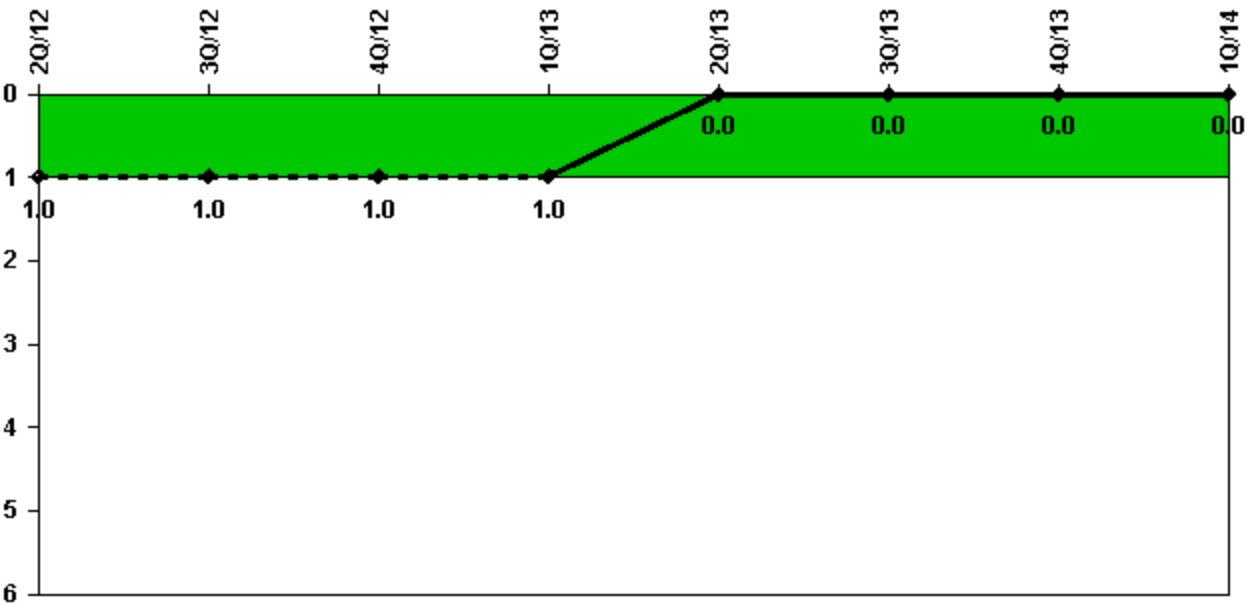
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/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	0
Critical hours	1912.7	2208.0	1417.1	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	0.8	0.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



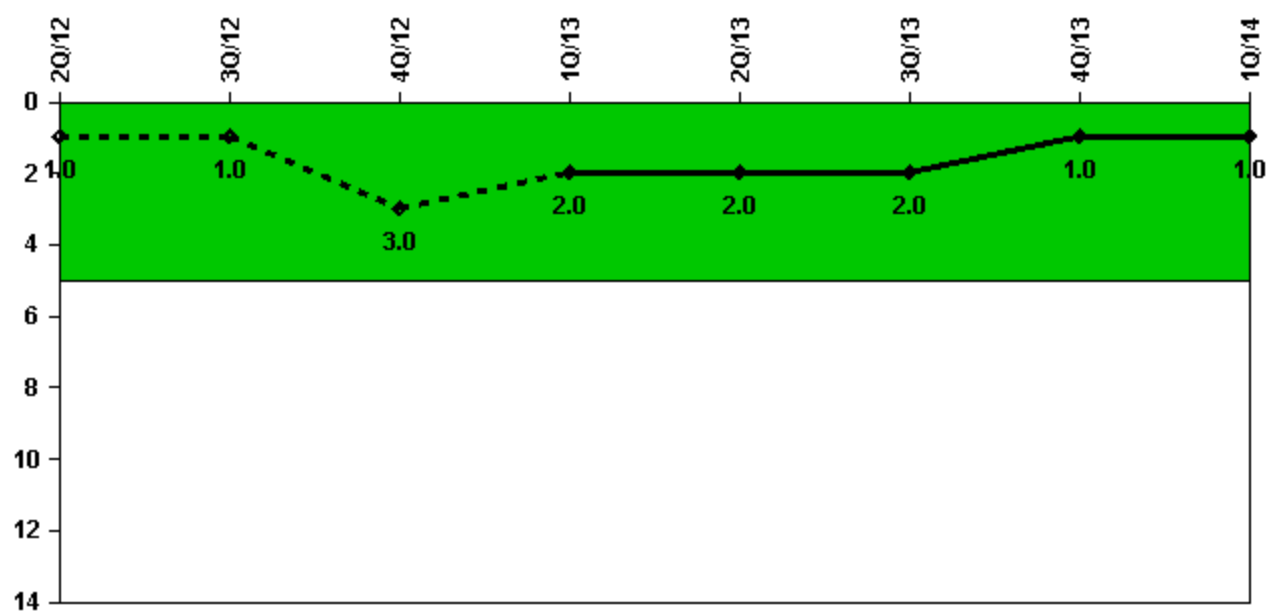
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Scrams with complications	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 (PWR)



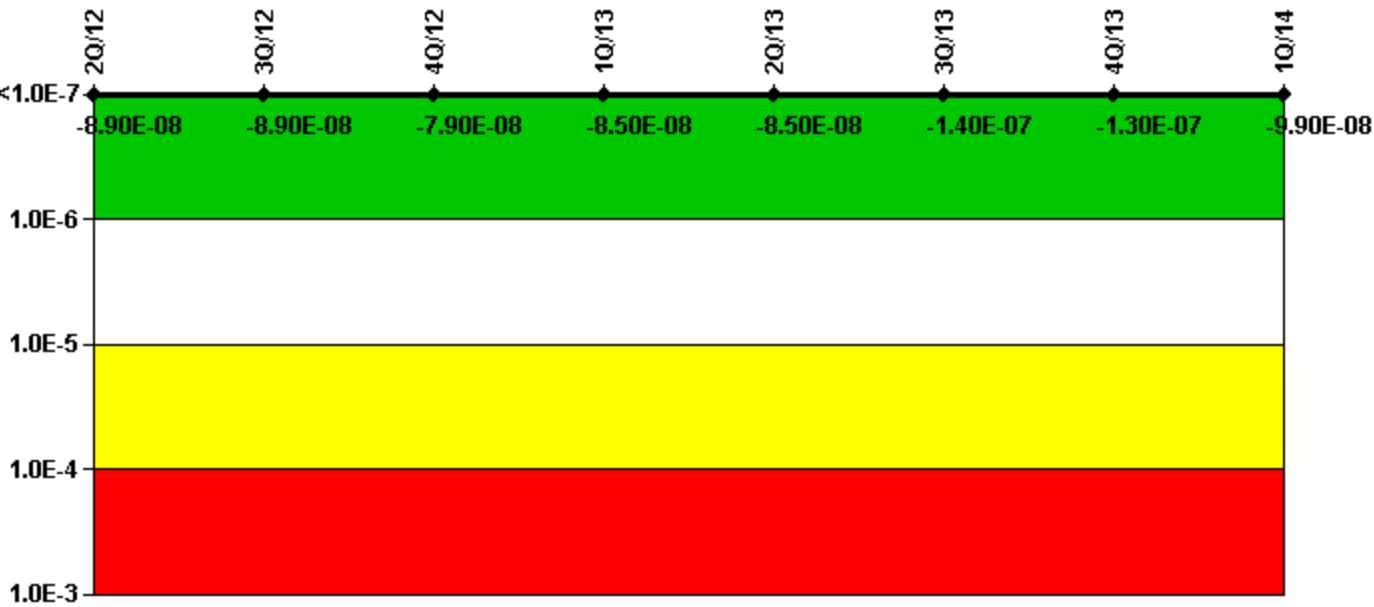
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	0	0	2	0	0	0	1	0
Indicator value	1	1	3	2	2	2	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

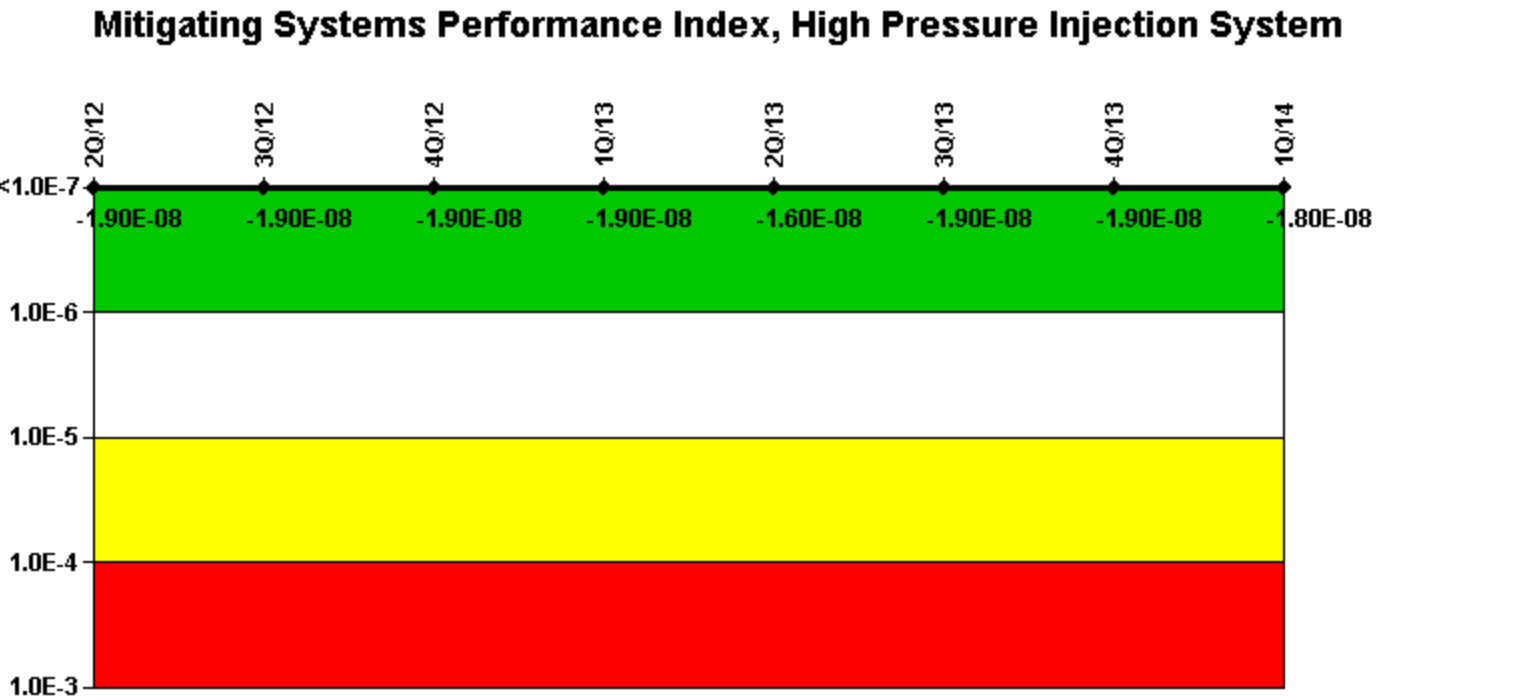


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	9.35E-08	9.35E-08	1.04E-07	9.76E-08	9.83E-08	4.60E-08	4.92E-08	8.39E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-08	-8.90E-08	-7.90E-08	-8.50E-08	-8.50E-08	-1.40E-07	-1.30E-07	-9.90E-08

Licensee Comments: none



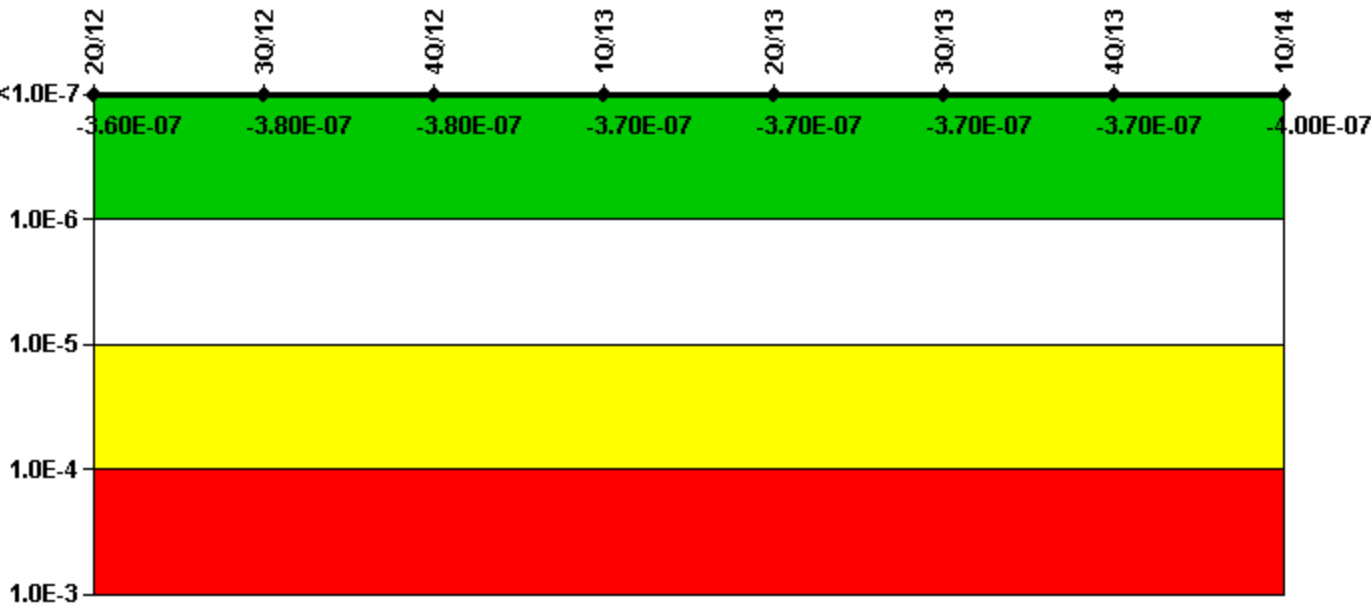
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09	-4.41E-09	-7.78E-09	-6.96E-09	-6.70E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.60E-08	-1.90E-08	-1.90E-08	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



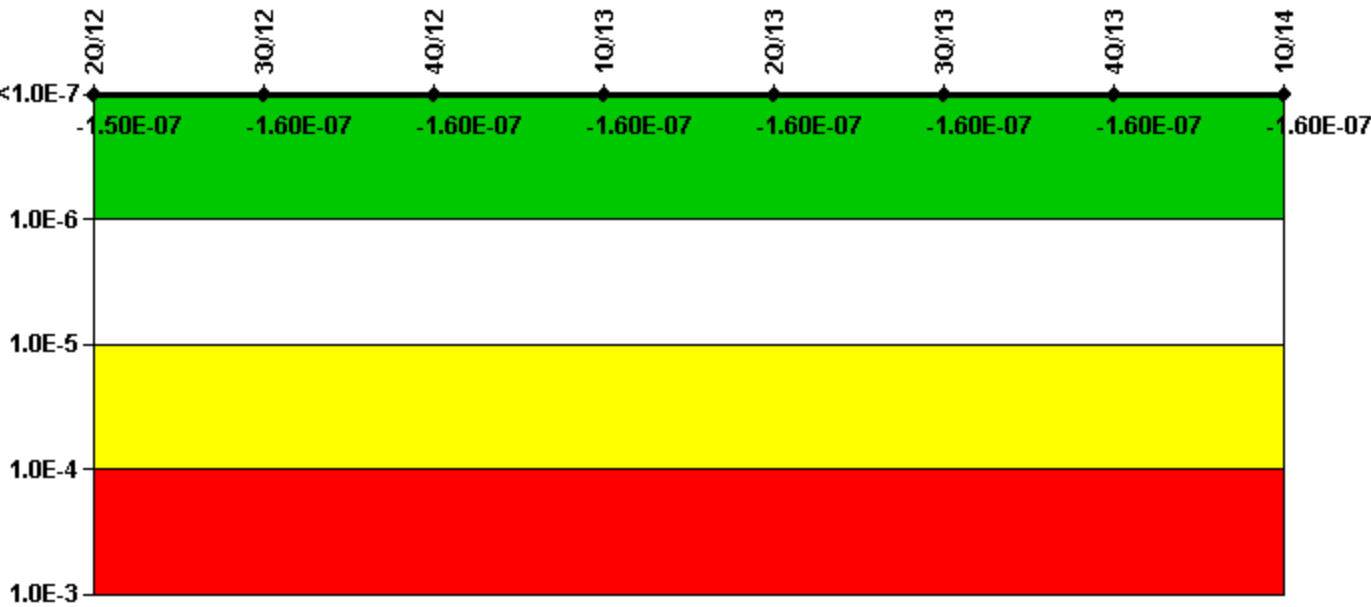
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.17E-08	-2.24E-08	-2.32E-08	-1.92E-08	-1.85E-08	-1.40E-08	-1.47E-08	-4.56E-08
URI (ΔCDF)	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.60E-07	-3.80E-07	-3.80E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-4.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



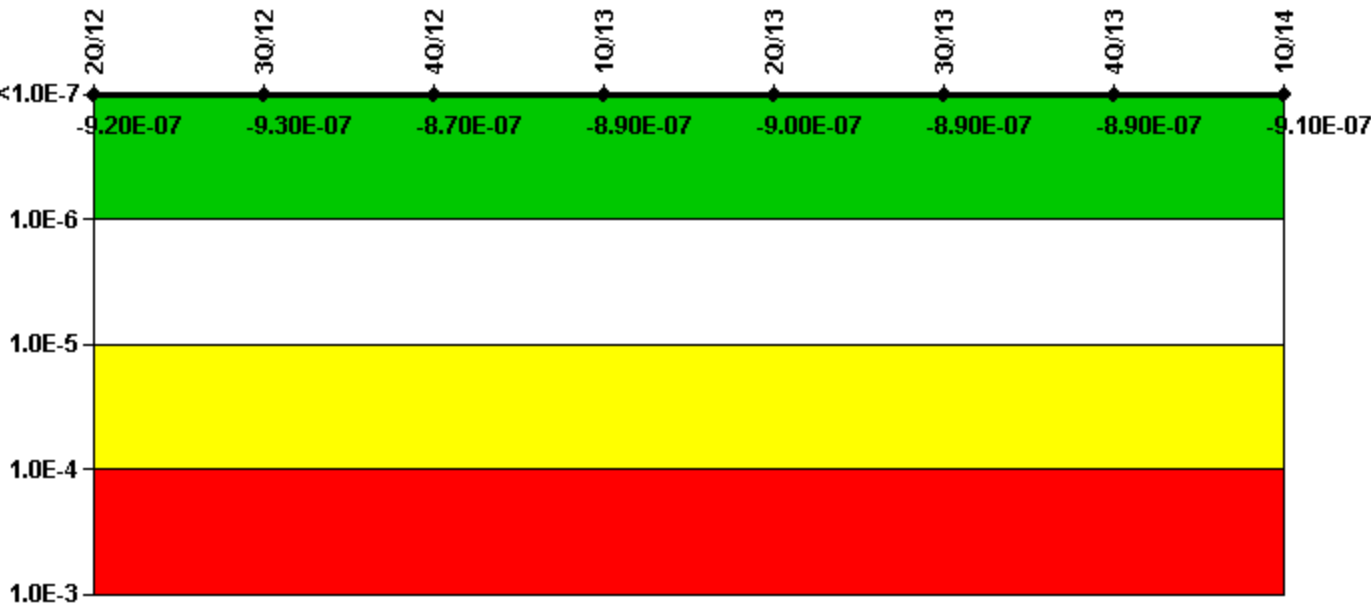
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	-1.07E-08	-1.20E-08	-1.14E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.81E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



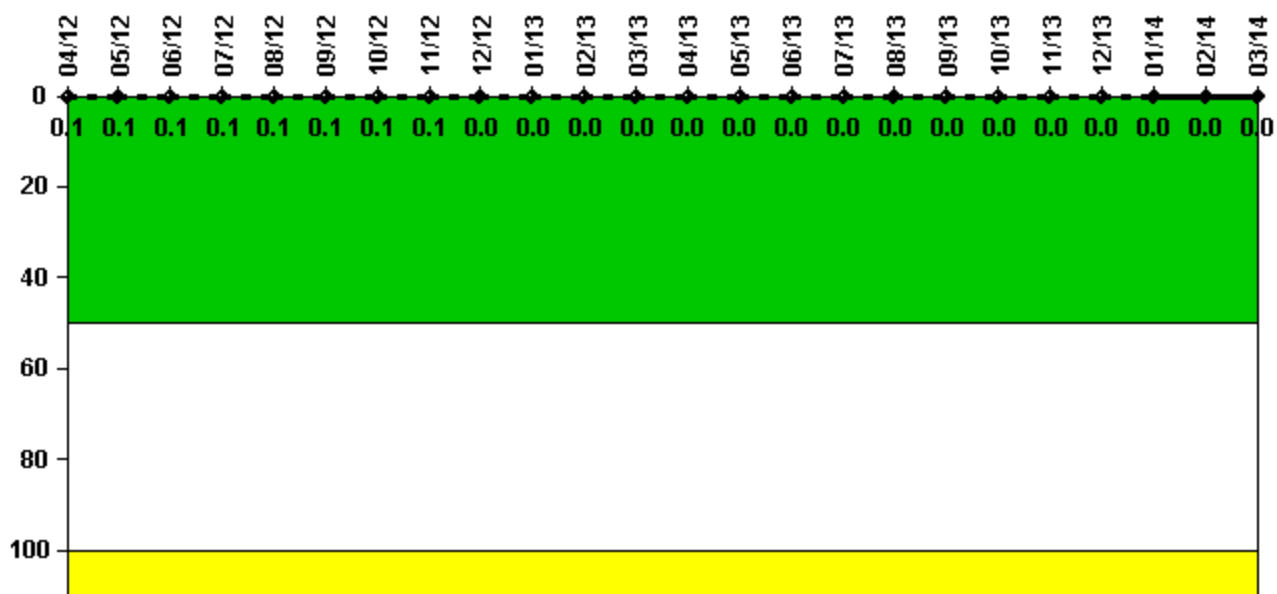
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	-4.77E-07	-4.84E-07	-4.22E-07	-4.46E-07	-4.48E-07	-4.38E-07	-4.38E-07	-4.64E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.20E-07	-9.30E-07	-8.70E-07	-8.90E-07	-9.00E-07	-8.90E-07	-8.90E-07	-9.10E-07

Licensee Comments: none

Reactor Coolant System Activity



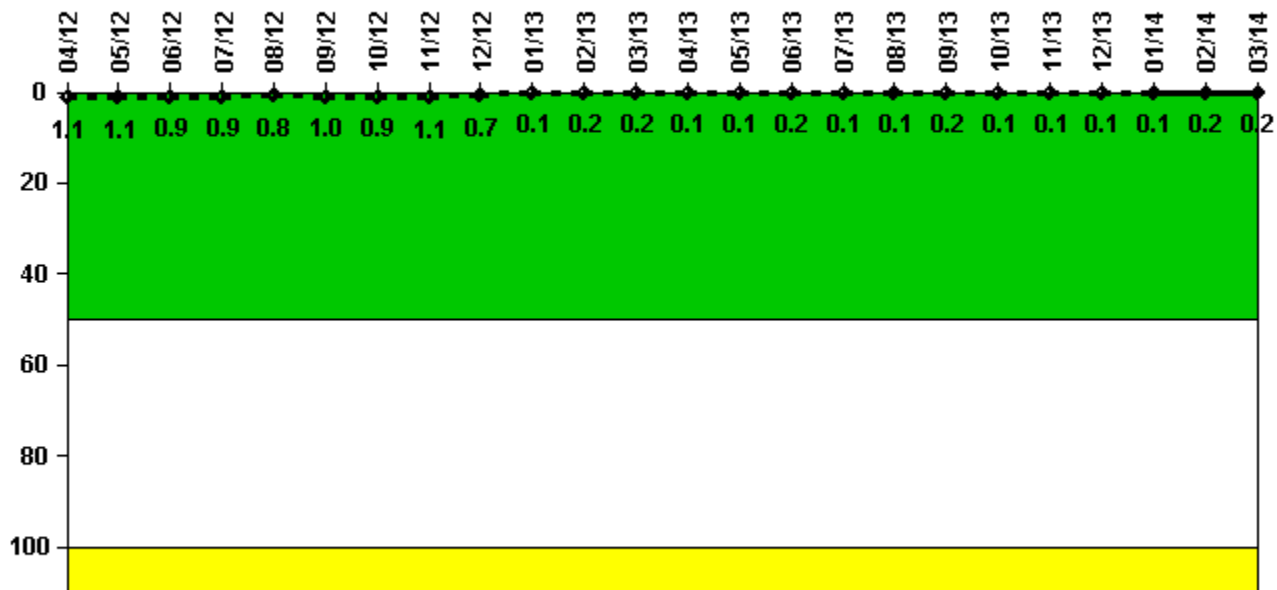
Thresholds: White > 50.0 Yellow > 100.0

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	0.000264	0.000310	0.000297	0.000302	0.000312	0.000354	0.000323	0.000304	0.000020	0.000090	0.000075	0.000055
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0
Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000059	0.000084	0.000068	0.000146	0.000079	0.000079	0.000091	0.000090	0.000088	0.000098	0.000102	0.000109
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



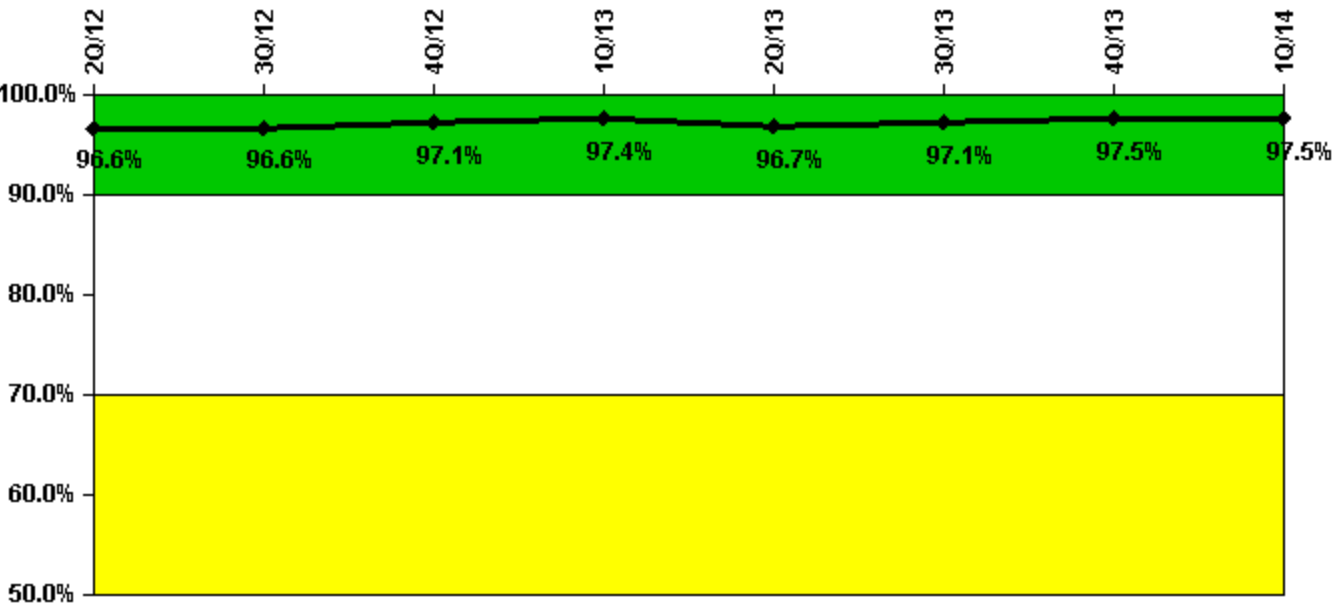
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.105	0.108	0.090	0.091	0.083	0.099	0.092	0.106	0.067	0.009	0.016	0.017
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.1	0.9	0.9	0.8	1.0	0.9	1.1	0.7	0.1	0.2	0.2
Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.014	0.013	0.018	0.013	0.012	0.016	0.008	0.008	0.011	0.013	0.018	0.015
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2

Licensee Comments: none

Drill/Exercise Performance



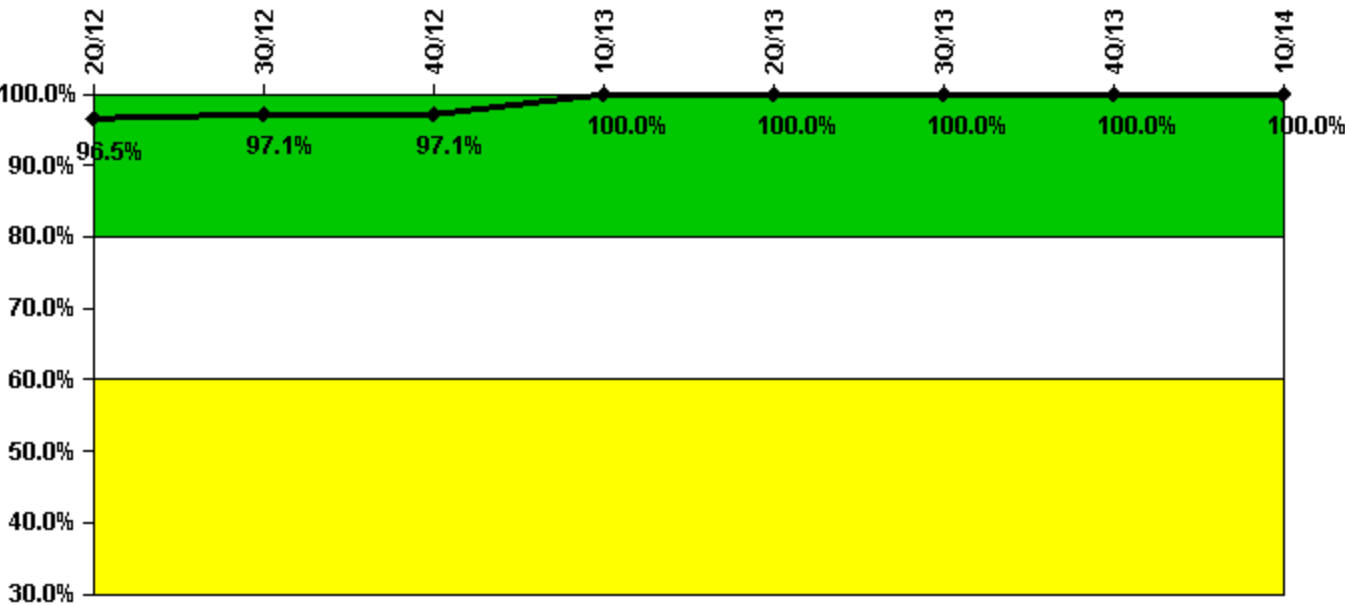
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	20.0	41.0	30.0	38.0	47.0	39.0	51.0	45.0
Total opportunities	21.0	42.0	30.0	38.0	50.0	41.0	51.0	46.0
Indicator value	96.6%	96.6%	97.1%	97.4%	96.7%	97.1%	97.5%	97.5%

Licensee Comments: none

ERO Drill Participation



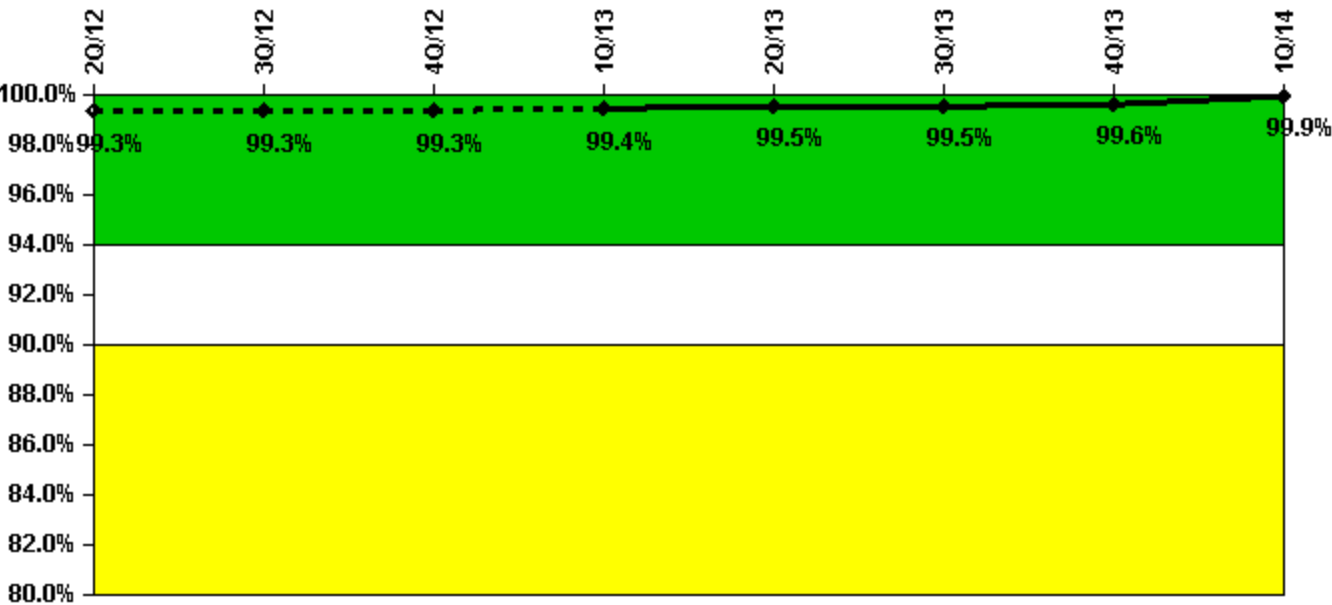
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	137.0	136.0	134.0	131.0	135.0	132.0	136.0	132.0
Total Key personnel	142.0	140.0	138.0	131.0	135.0	132.0	136.0	132.0
Indicator value	96.5%	97.1%	97.1%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



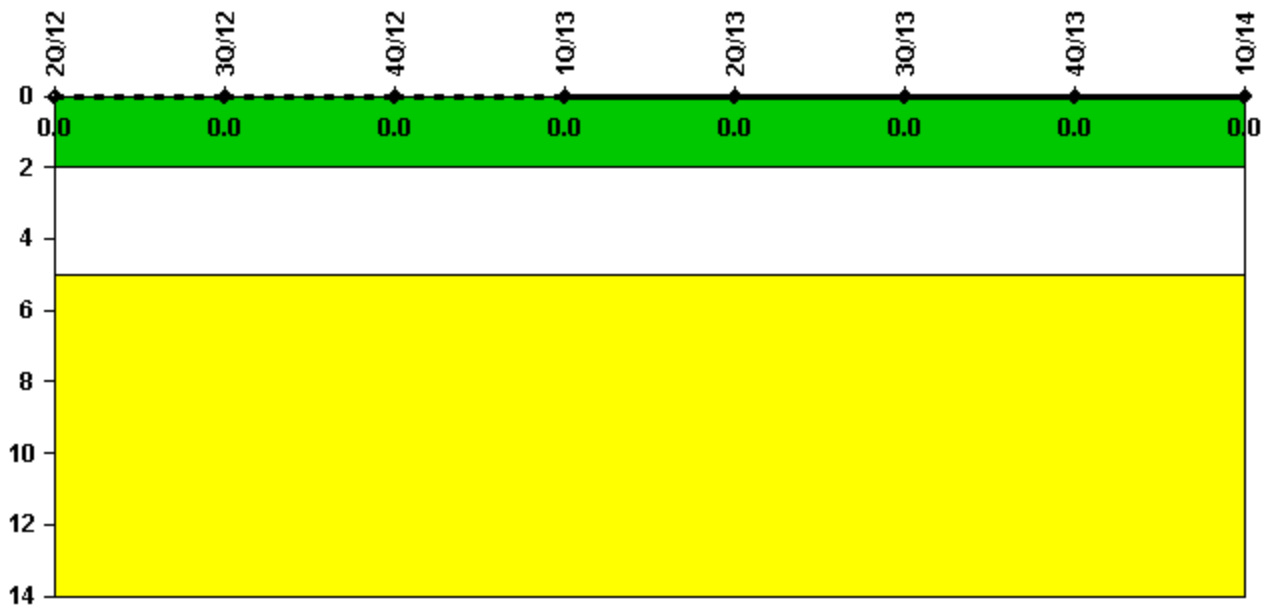
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	2391	2397	2302	2373	2399	2402	2491	2306
Total sirens-tests	2403	2403	2314	2403	2403	2403	2492	2314
Indicator value	99.3%	99.3%	99.3%	99.4%	99.5%	99.5%	99.6%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



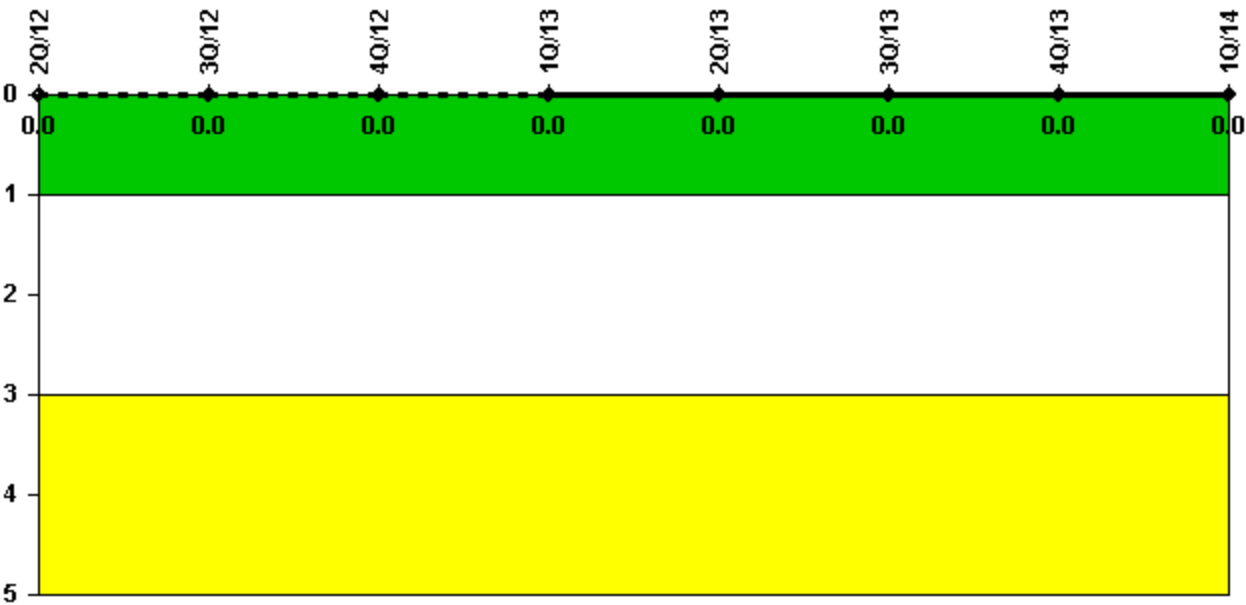
Thresholds: White > 2.0 Yellow > 5.0

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	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/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

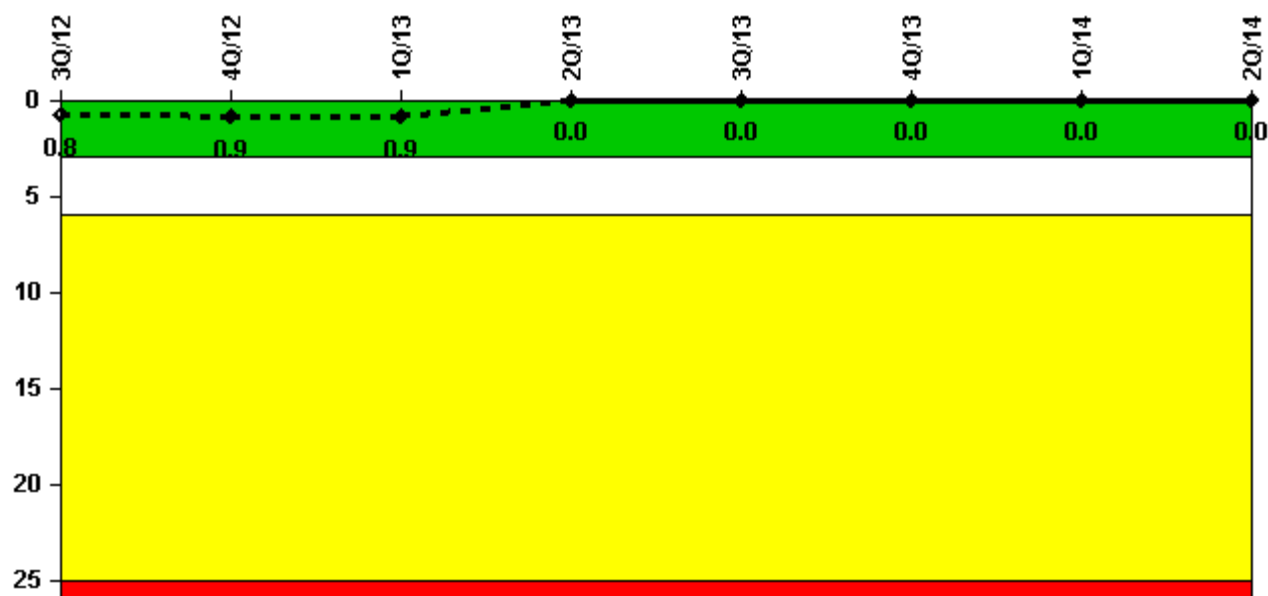
Catawba 1

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



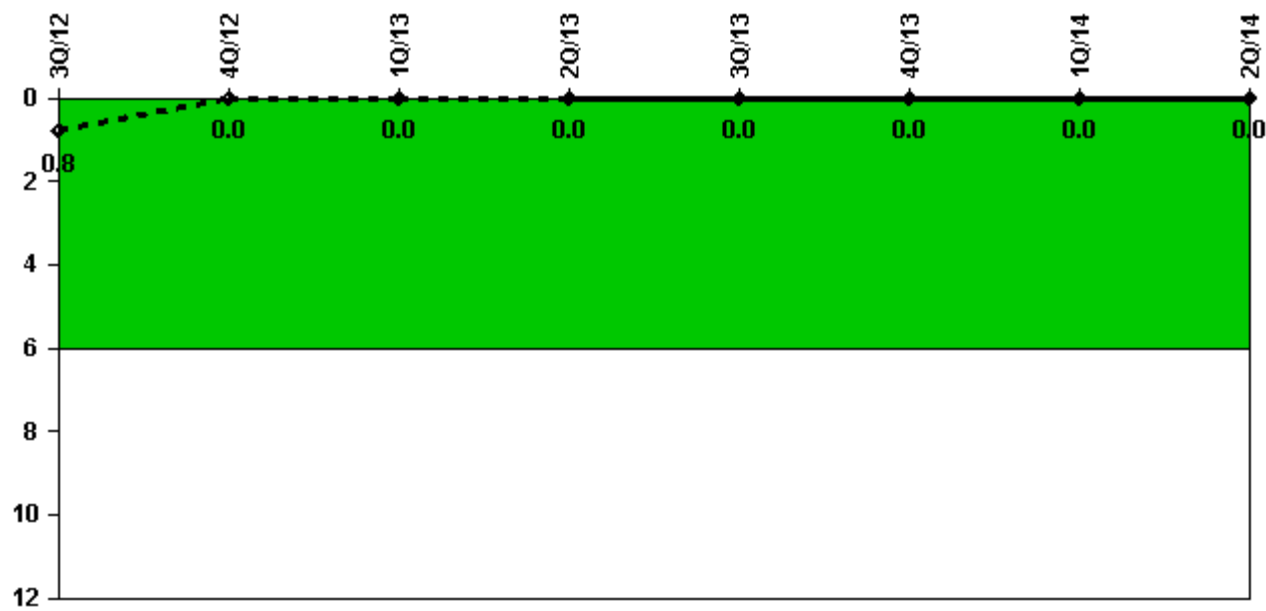
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1417.1	2159.0	2184.0	2208.0	2209.0	2159.0	1003.4
Indicator value	0.8	0.9	0.9	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



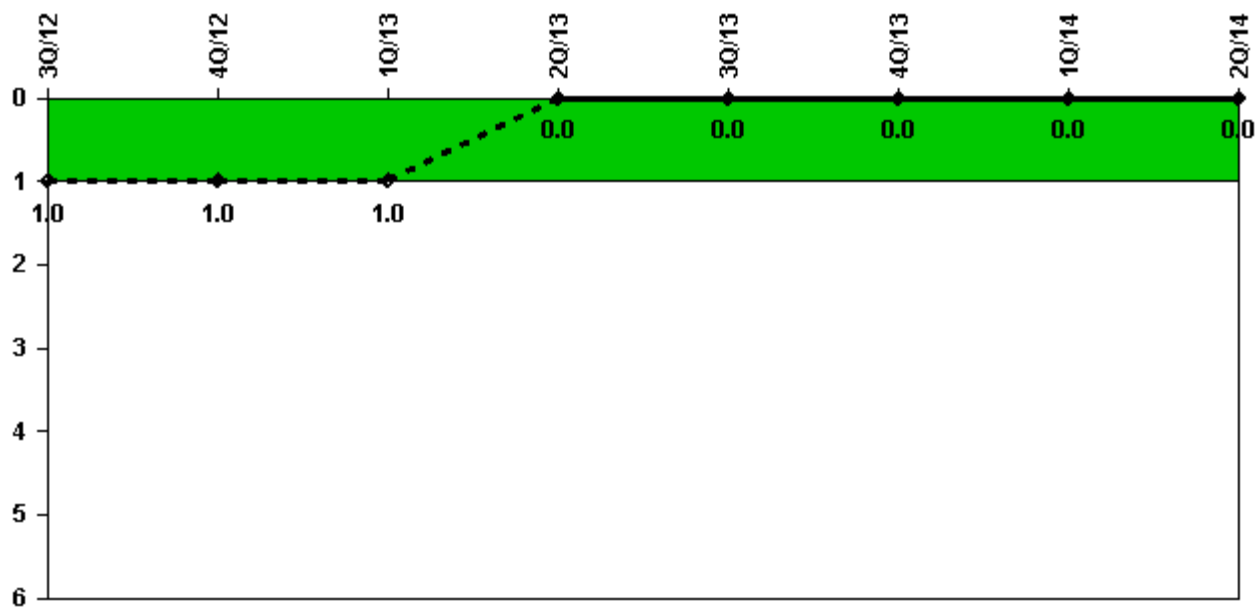
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1417.1	2159.0	2184.0	2208.0	2209.0	2159.0	1003.4
Indicator value	0.8	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



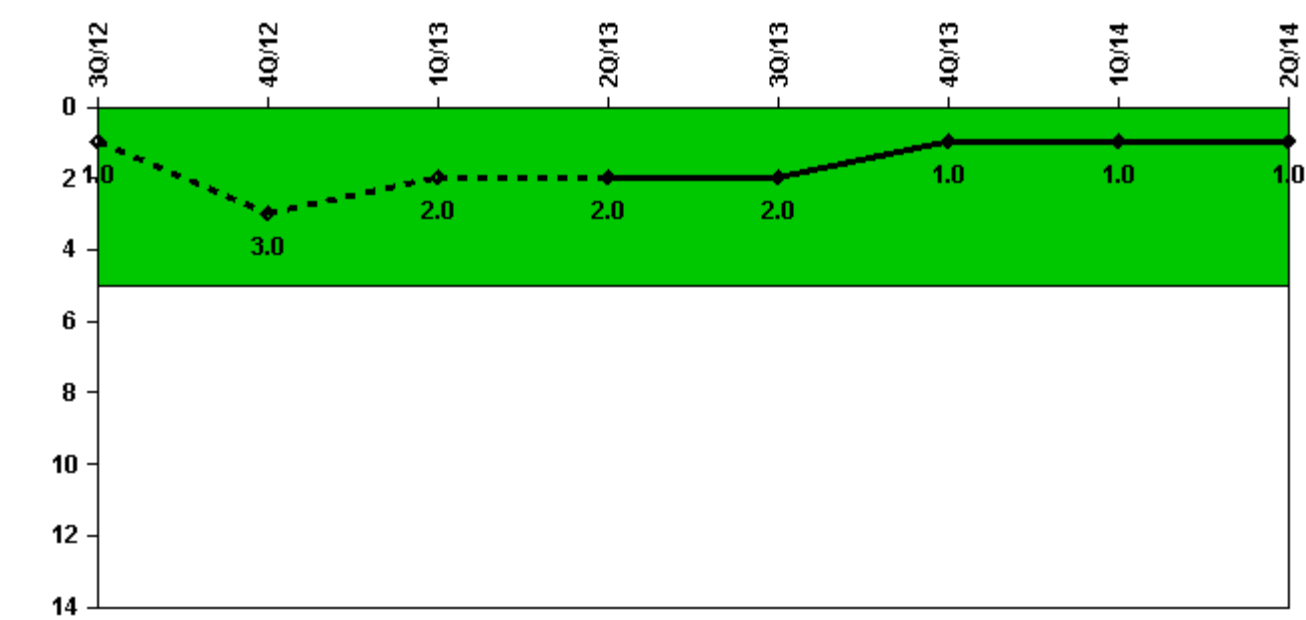
Thresholds: White > 1.0

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	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 (PWR)



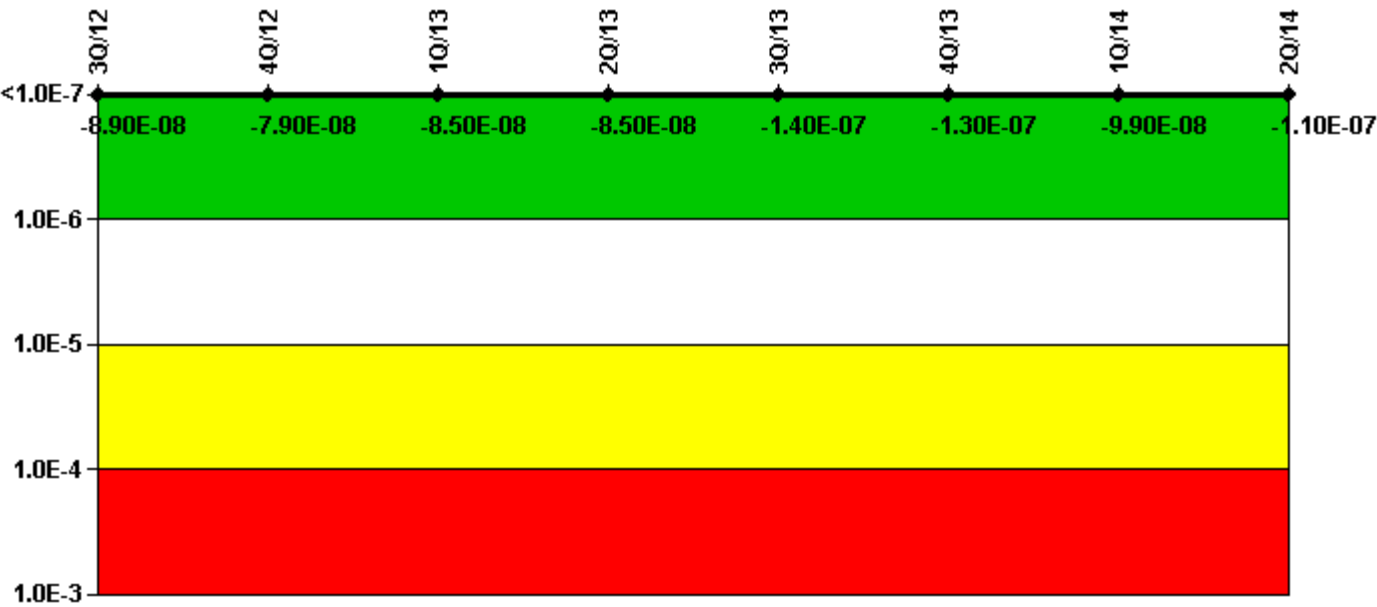
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	2	0	0	0	1	0	0
Indicator value	1	3	2	2	2	1	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

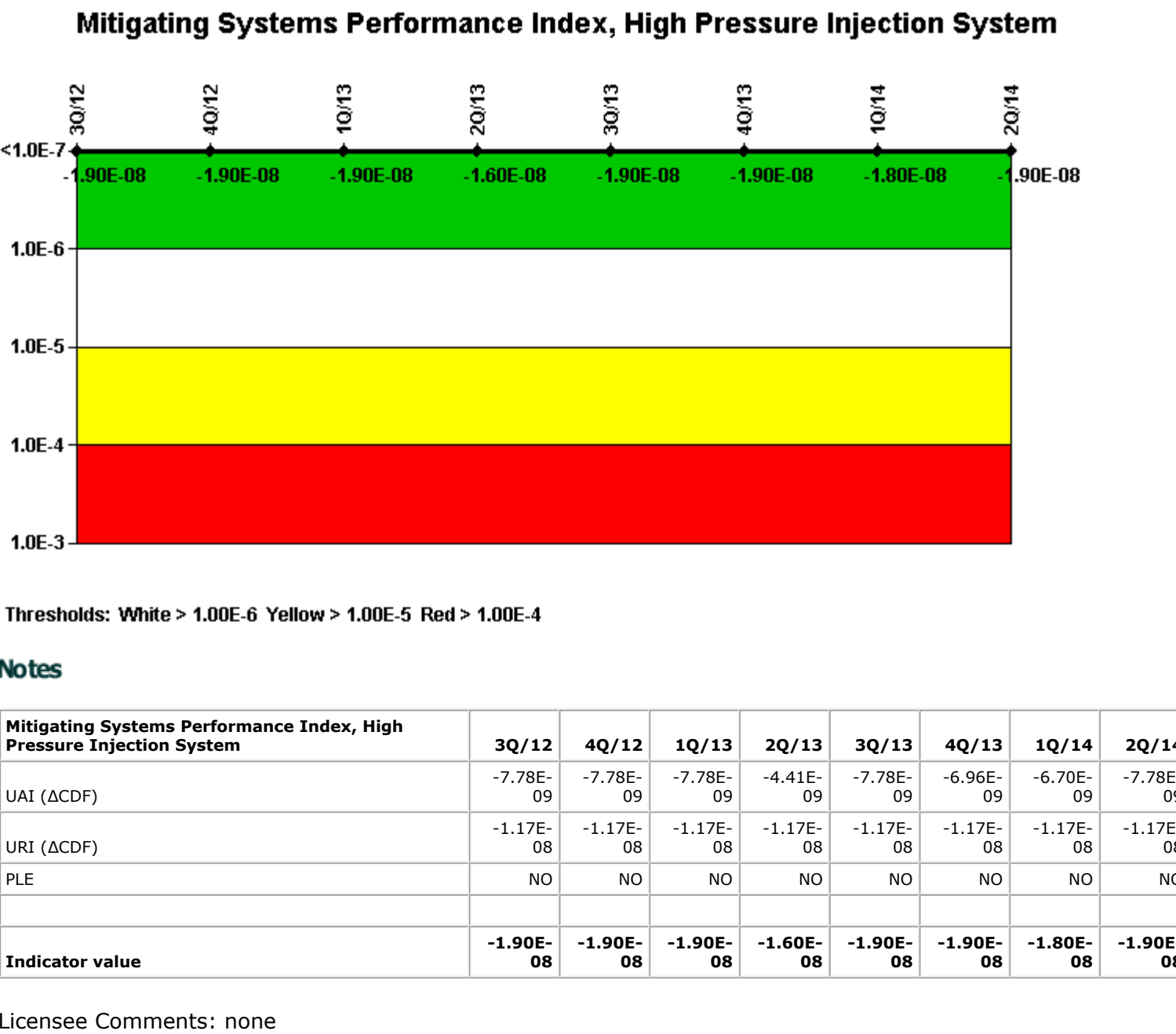


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

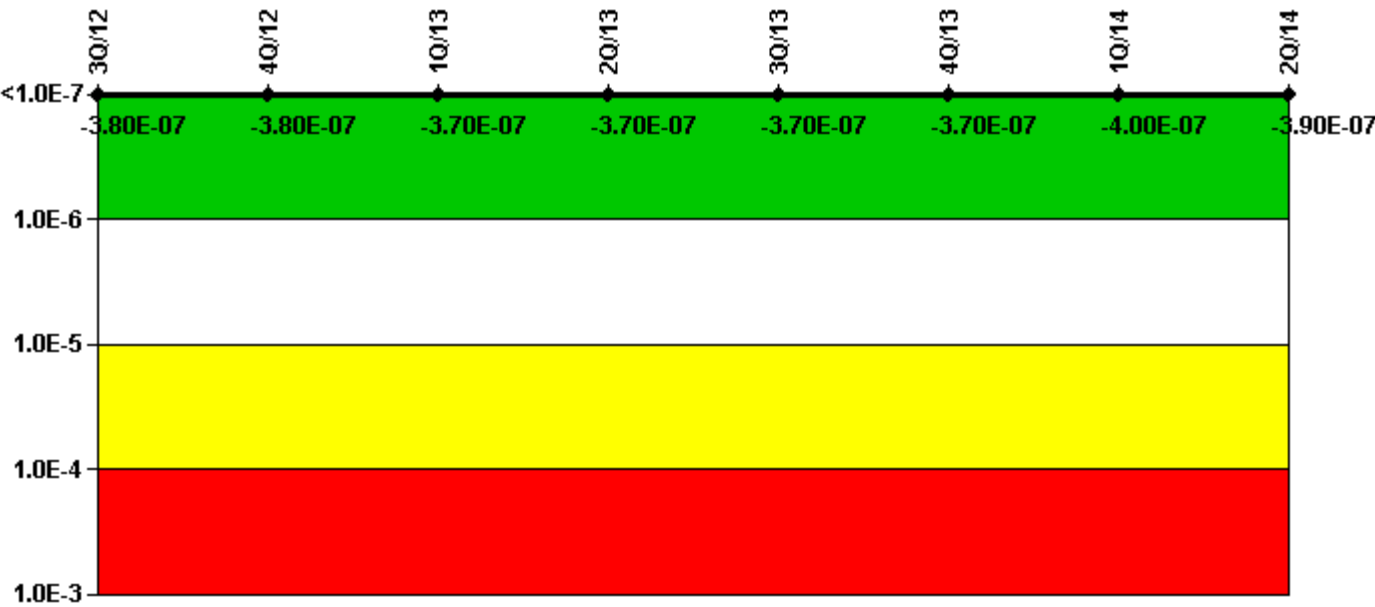
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	9.35E-08	1.04E-07	9.76E-08	9.83E-08	4.60E-08	4.92E-08	8.39E-08	6.83E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-08	-7.90E-08	-8.50E-08	-8.50E-08	-1.40E-07	-1.30E-07	-9.90E-08	-1.10E-07

Licensee Comments: none



Mitigating Systems Performance Index, Heat Removal System

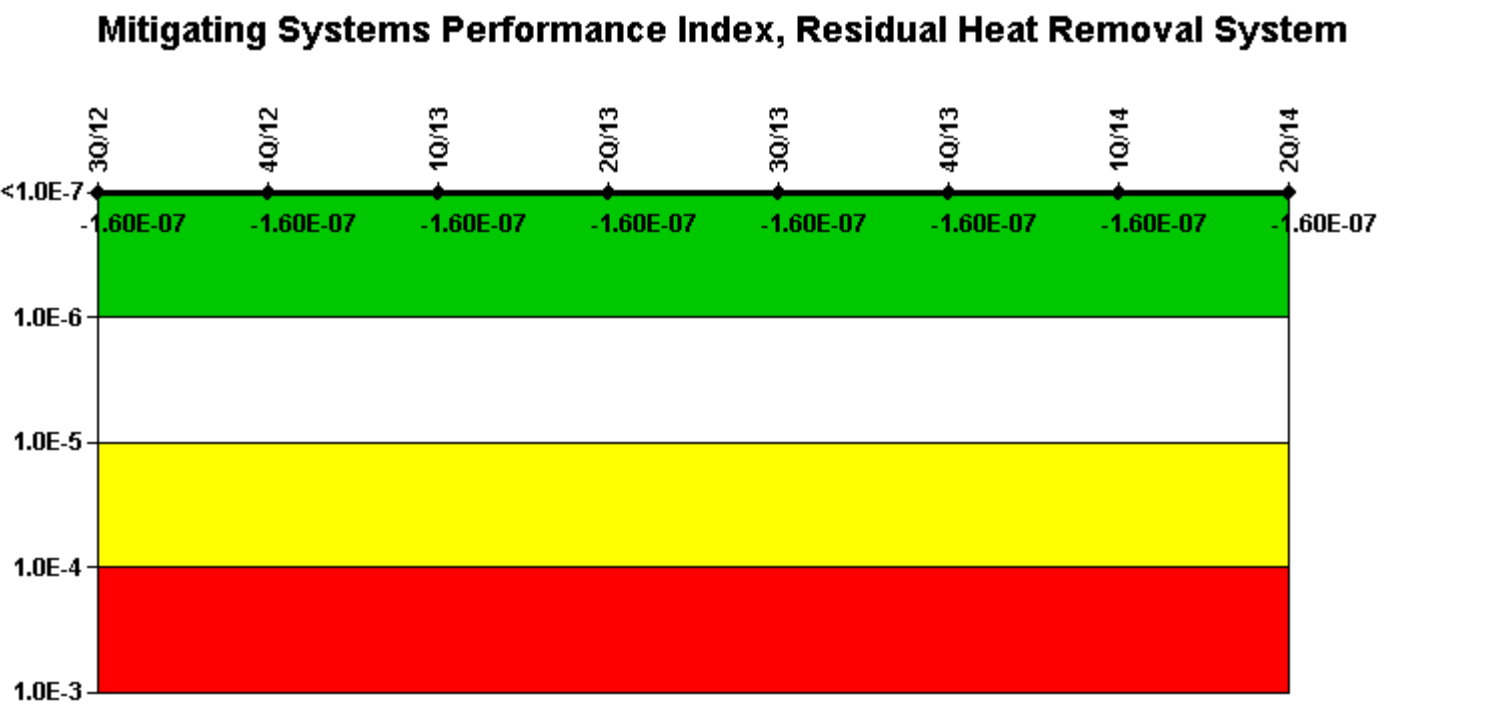


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.24E-08	-2.32E-08	-1.92E-08	-1.85E-08	-1.40E-08	-1.47E-08	-4.56E-08	-3.35E-08
URI (ΔCDF)	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-07	-3.80E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-4.00E-07	-3.90E-07

Licensee Comments: none



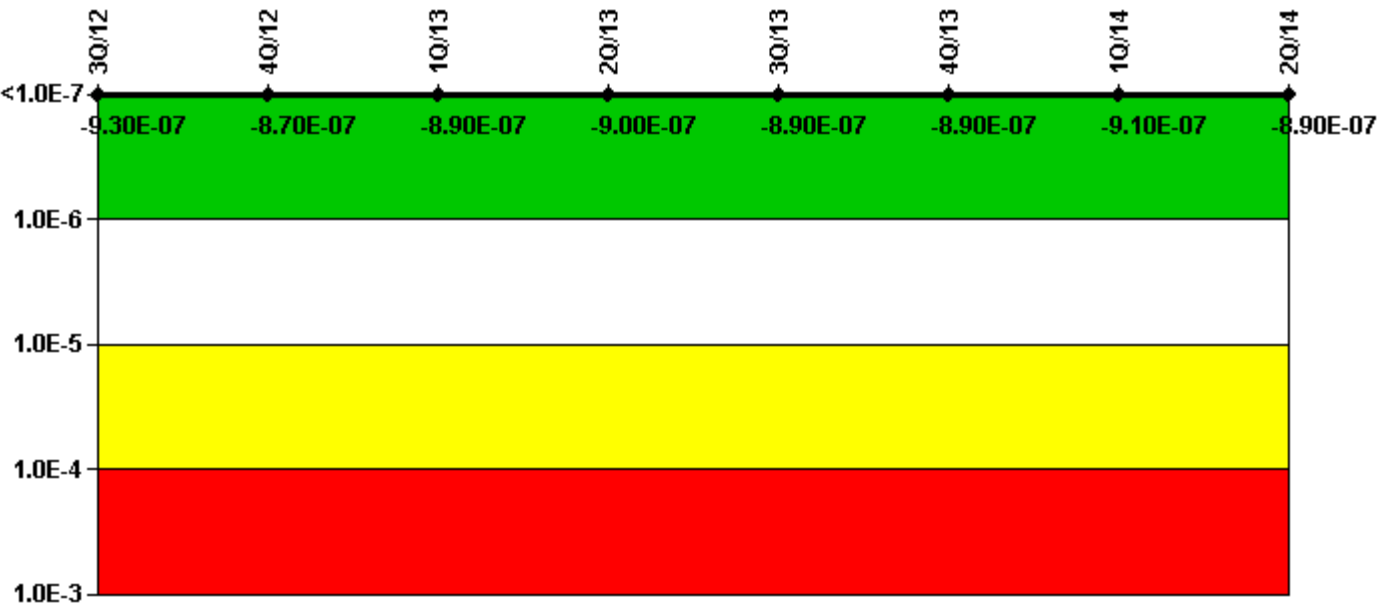
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	-1.20E-08	-1.14E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.81E-08	-1.81E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



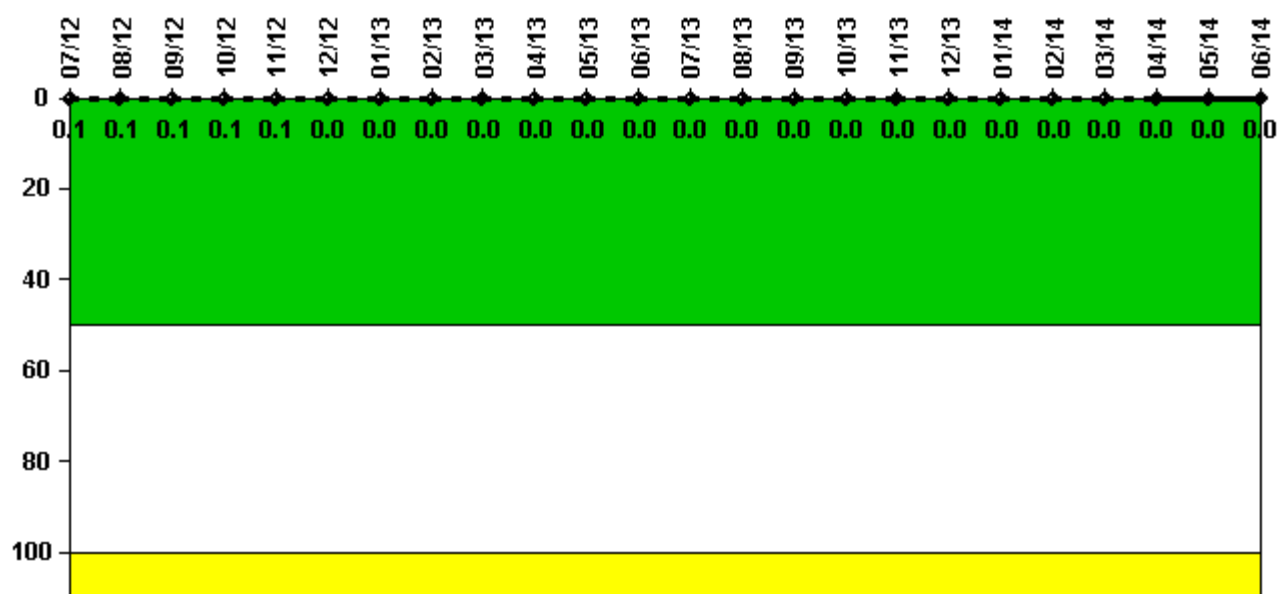
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	-4.84E-07	-4.22E-07	-4.46E-07	-4.48E-07	-4.38E-07	-4.38E-07	-4.64E-07	-4.45E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.30E-07	-8.70E-07	-8.90E-07	-9.00E-07	-8.90E-07	-8.90E-07	-9.10E-07	-8.90E-07

Licensee Comments: none

Reactor Coolant System Activity



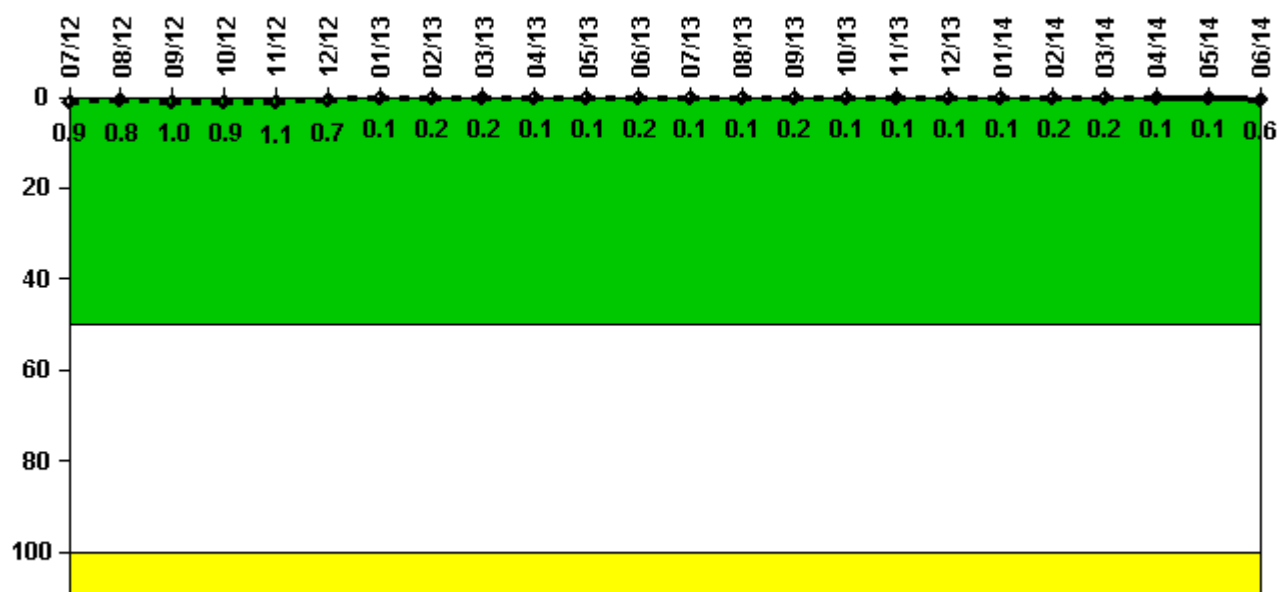
Thresholds: White > 50.0 Yellow > 100.0

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	0.000302	0.000312	0.000354	0.000323	0.000304	0.000020	0.000090	0.000075	0.000055	0.000059	0.000084	0.000068
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0
Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000146	0.000079	0.000079	0.000091	0.000090	0.000088	0.000098	0.000102	0.000109	0.000126	0.000158	0.000009
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



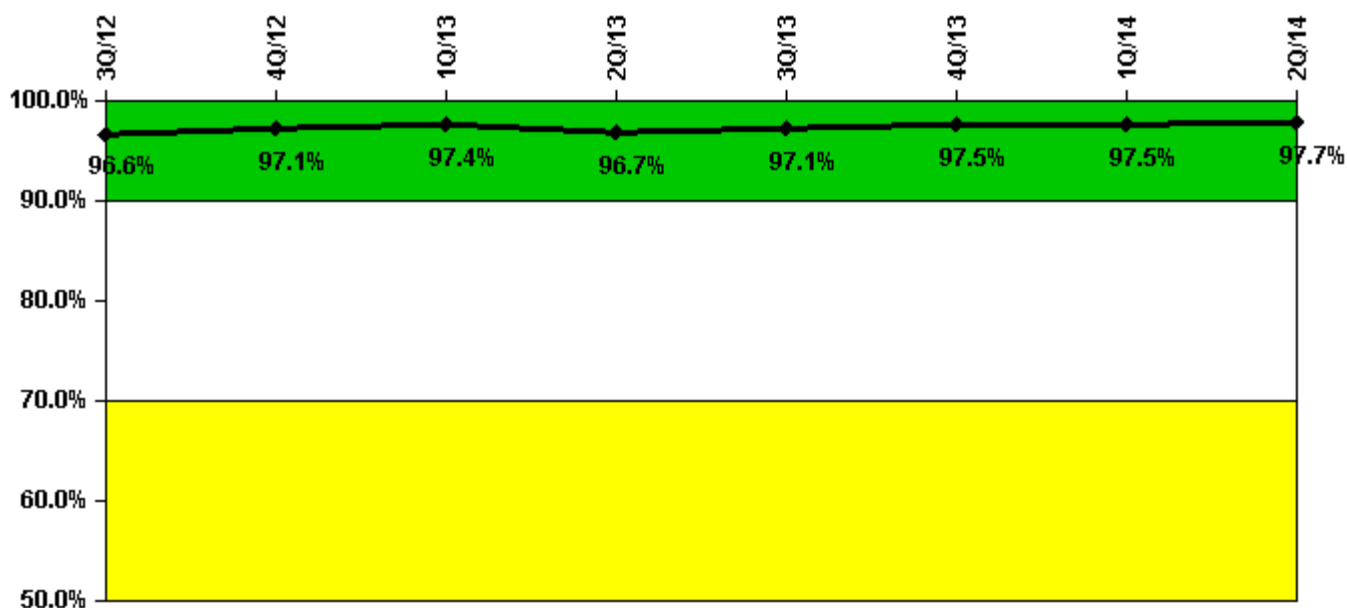
Thresholds: White > 50.0 Yellow > 100.0

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	0.091	0.083	0.099	0.092	0.106	0.067	0.009	0.016	0.017	0.014	0.013	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.8	1.0	0.9	1.1	0.7	0.1	0.2	0.2	0.1	0.1	0.2
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.013	0.012	0.016	0.008	0.008	0.011	0.013	0.018	0.015	0.012	0.007	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.6

Licensee Comments: none

Drill/Exercise Performance



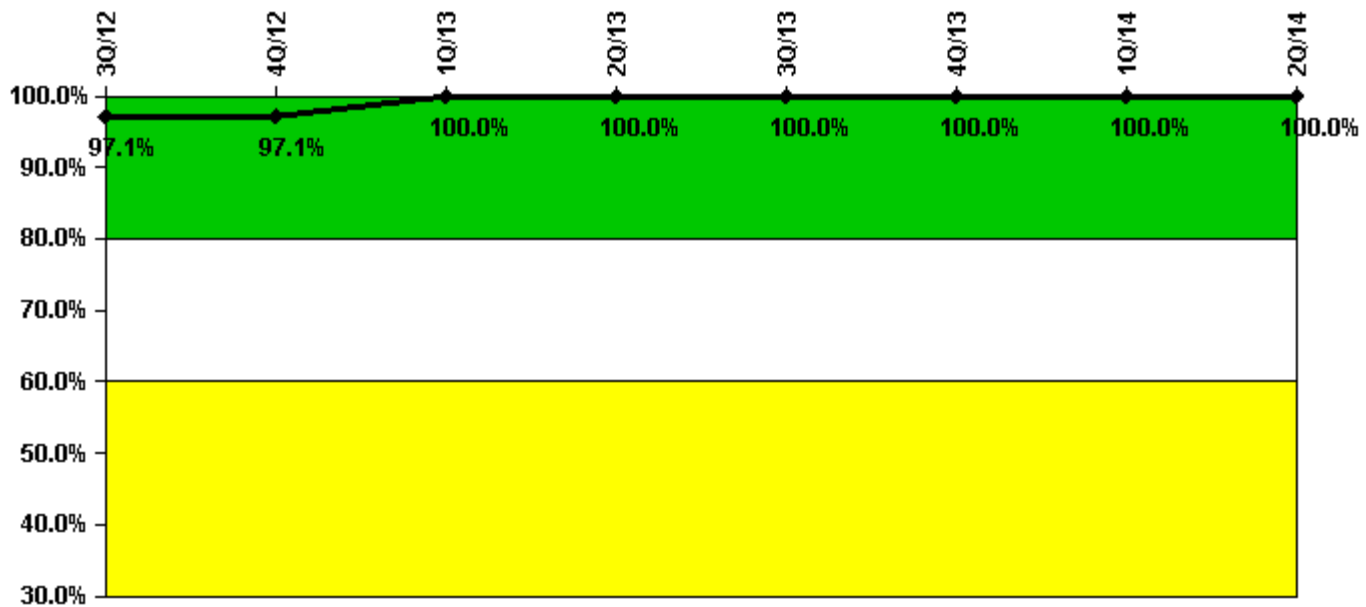
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	41.0	30.0	38.0	47.0	39.0	51.0	45.0	8.0
Total opportunities	42.0	30.0	38.0	50.0	41.0	51.0	46.0	8.0
Indicator value	96.6%	97.1%	97.4%	96.7%	97.1%	97.5%	97.5%	97.7%

Licensee Comments: none

ERO Drill Participation



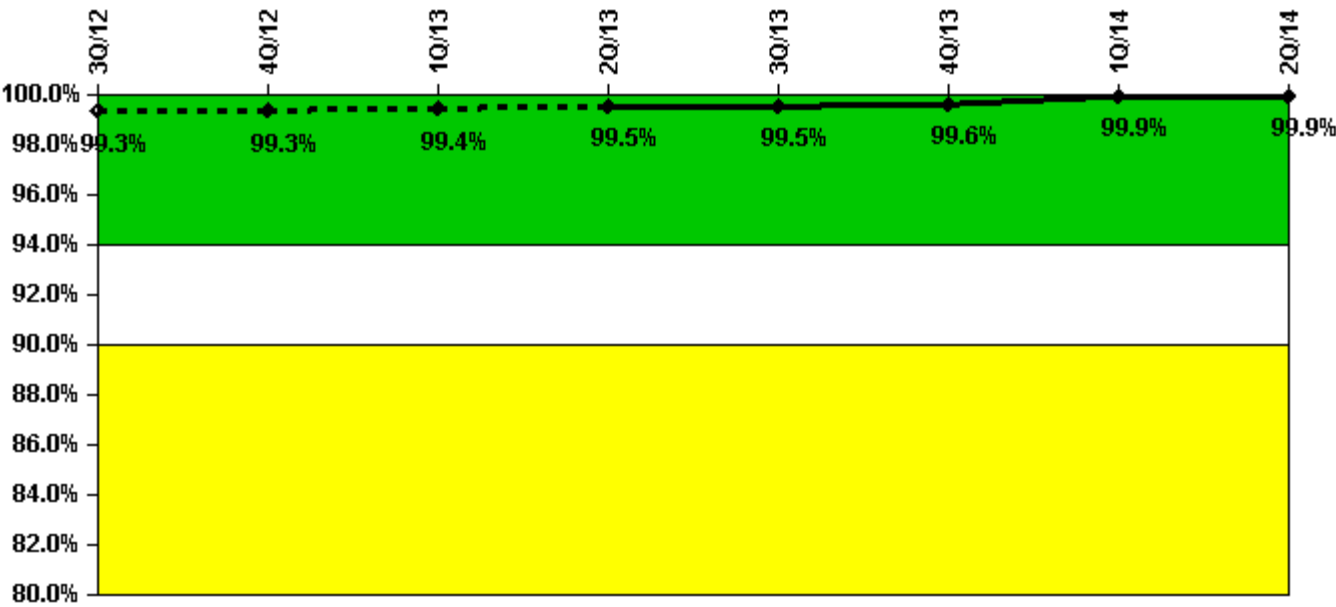
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	136.0	134.0	131.0	135.0	132.0	136.0	132.0	133.0
Total Key personnel	140.0	138.0	131.0	135.0	132.0	136.0	132.0	133.0
Indicator value	97.1%	97.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



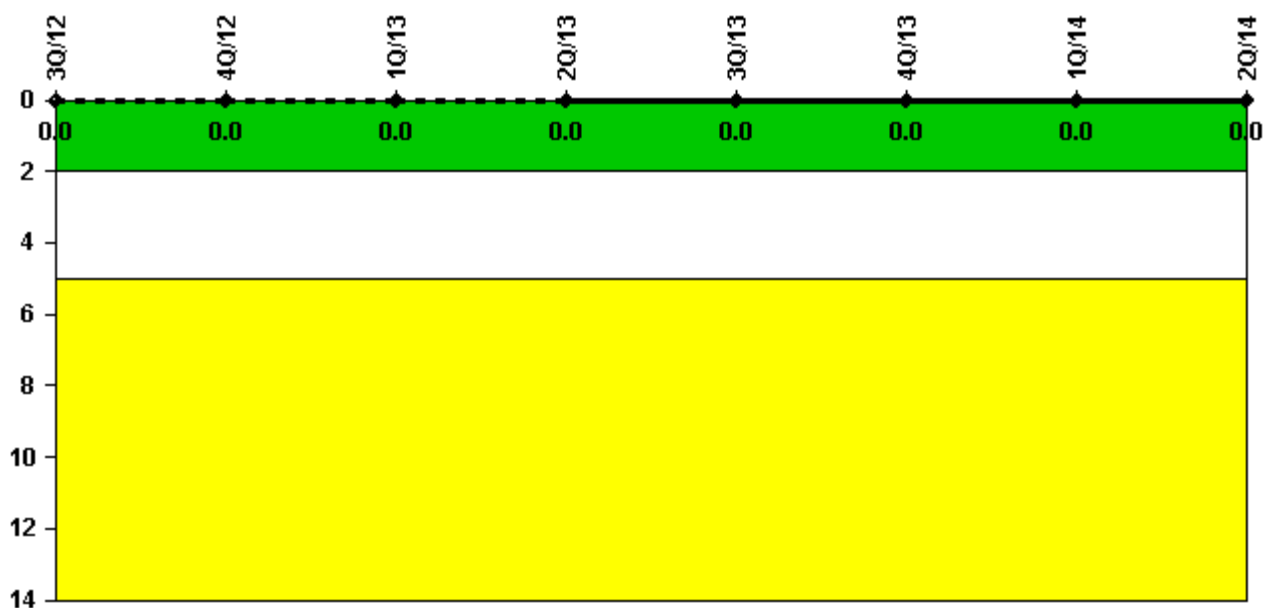
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	2397	2302	2373	2399	2402	2491	2306	2402
Total sirens-tests	2403	2314	2403	2403	2403	2492	2314	2403
Indicator value	99.3%	99.3%	99.4%	99.5%	99.5%	99.6%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

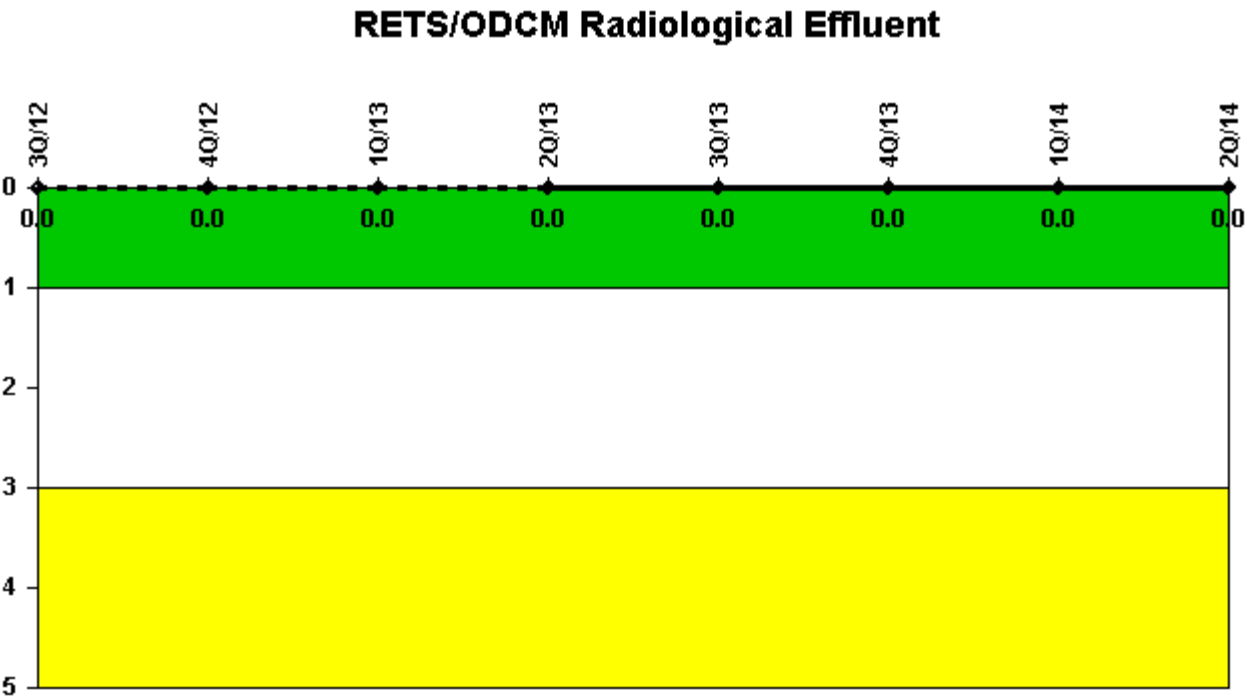


Thresholds: White > 2.0 Yellow > 5.0

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	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



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

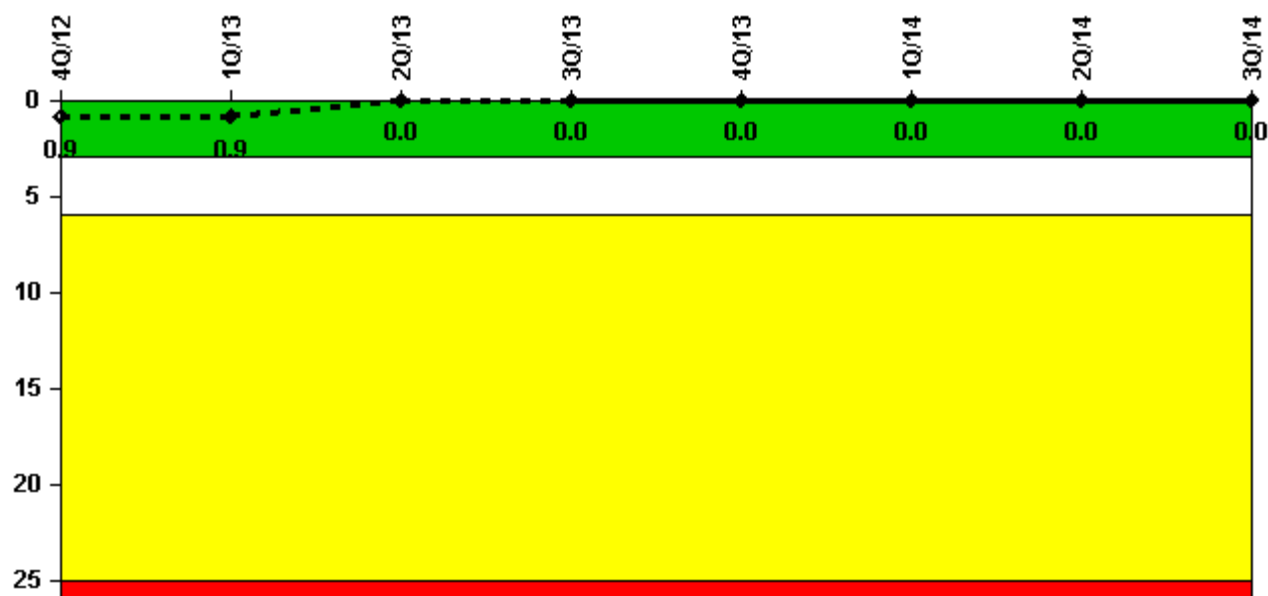
Catawba 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



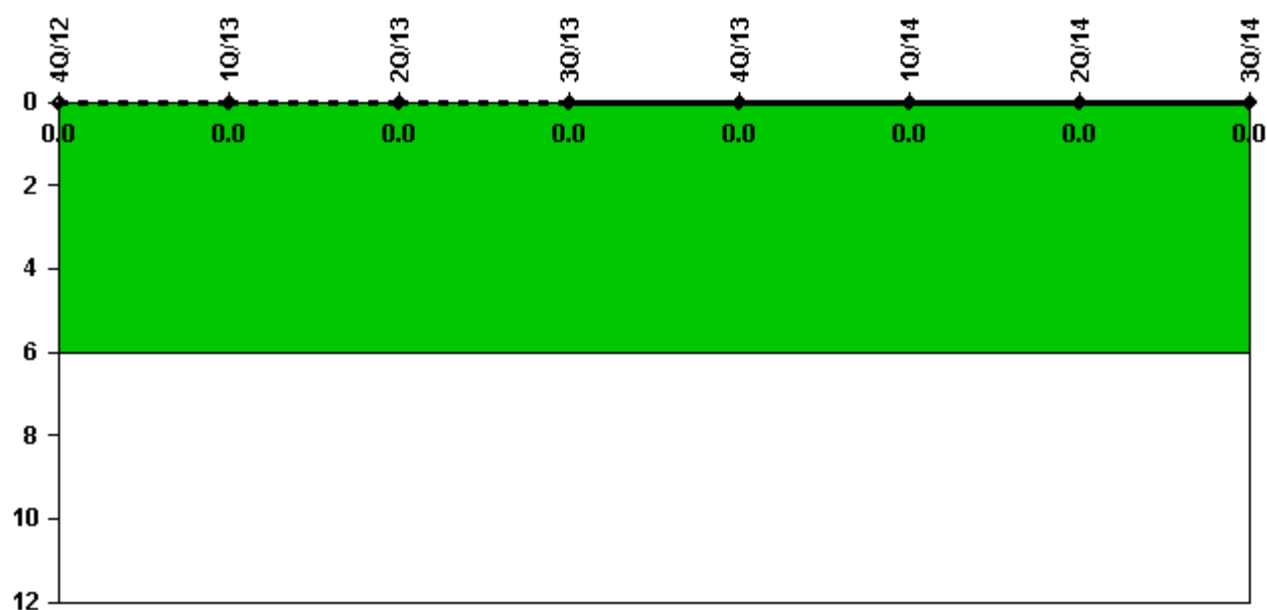
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1417.1	2159.0	2184.0	2208.0	2209.0	2159.0	1003.4	2208.0
Indicator value	0.9	0.9	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



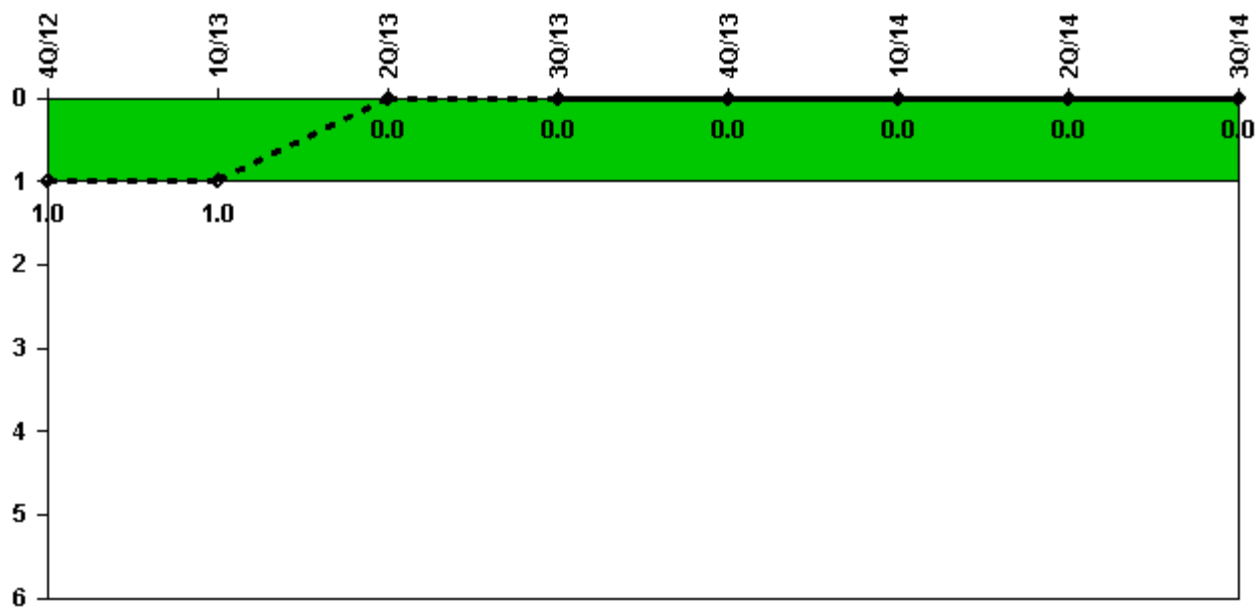
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1417.1	2159.0	2184.0	2208.0	2209.0	2159.0	1003.4	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



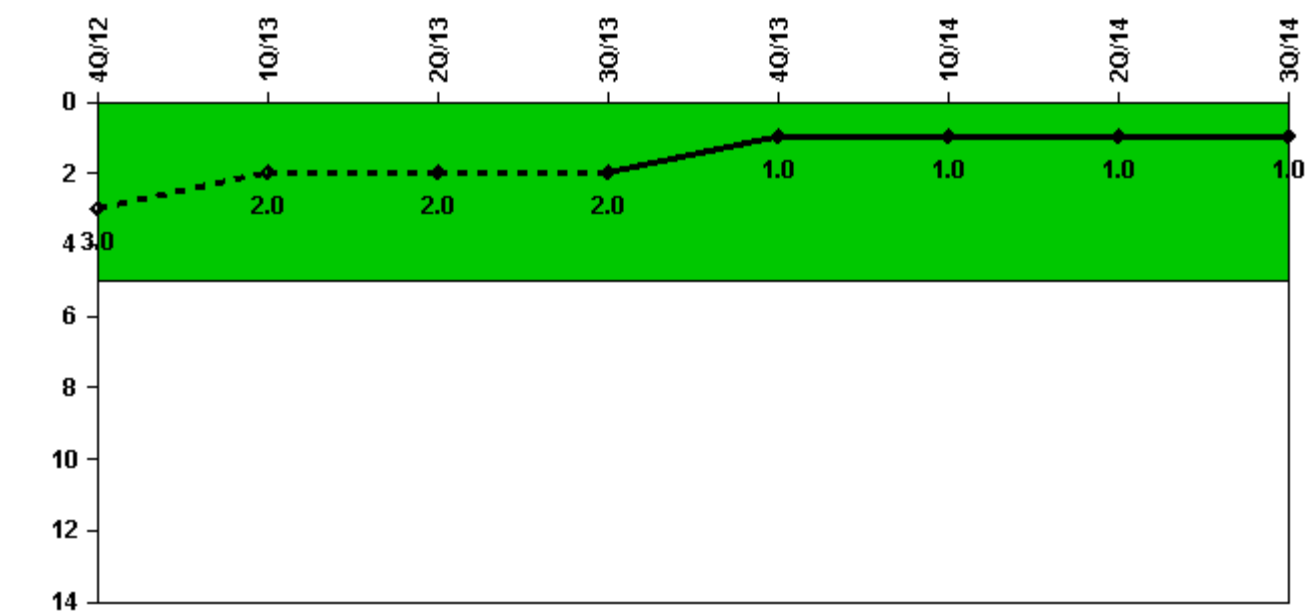
Thresholds: White > 1.0

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	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 (PWR)



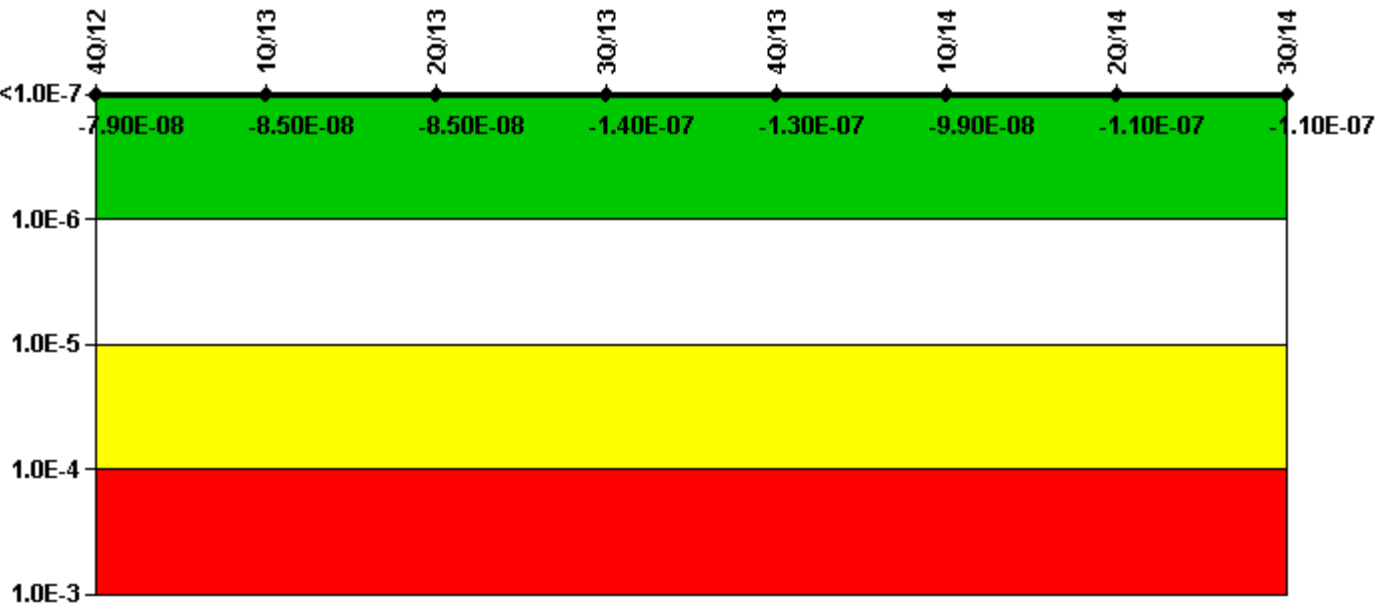
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	2	0	0	0	1	0	0	0
Indicator value	3	2	2	2	1	1	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

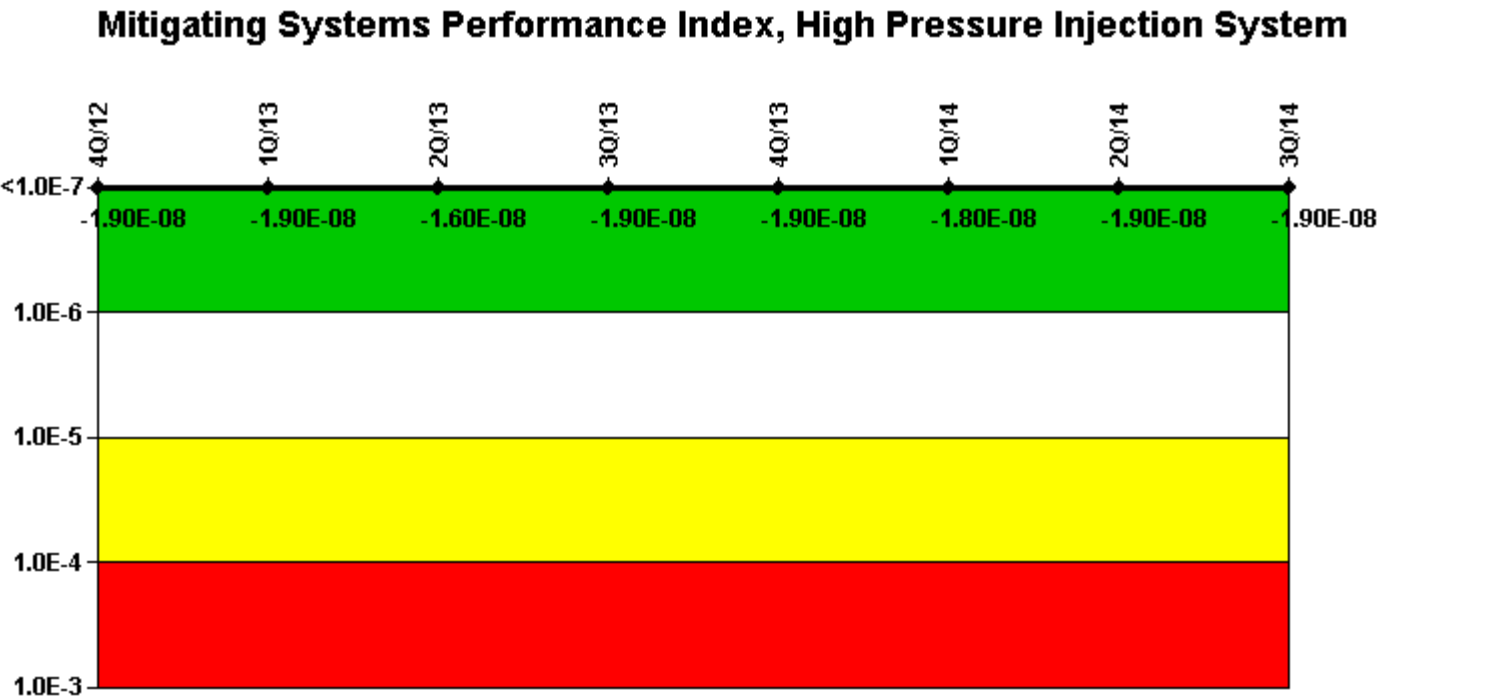


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	1.04E-07	9.76E-08	9.83E-08	4.60E-08	4.92E-08	8.39E-08	6.83E-08	6.97E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.90E-08	-8.50E-08	-8.50E-08	-1.40E-07	-1.30E-07	-9.90E-08	-1.10E-07	-1.10E-07

Licensee Comments: none



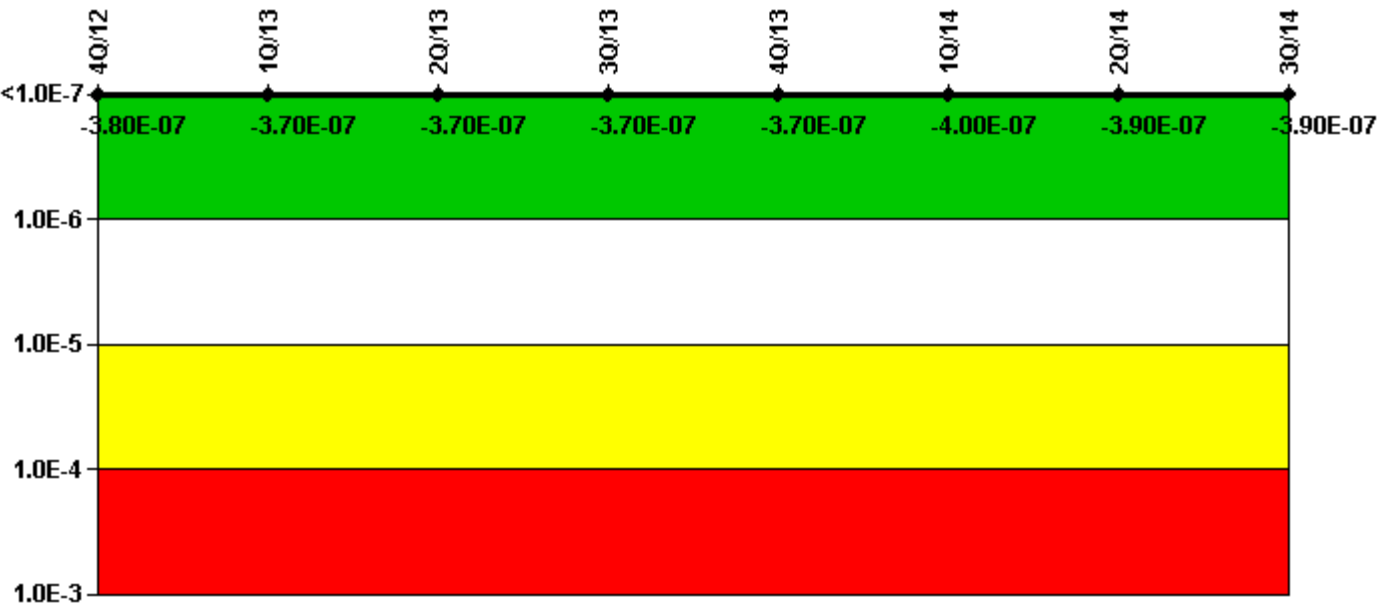
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	-7.78E-09	-7.78E-09	-4.41E-09	-7.78E-09	-6.96E-09	-6.70E-09	-7.78E-09	-7.78E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.60E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.90E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

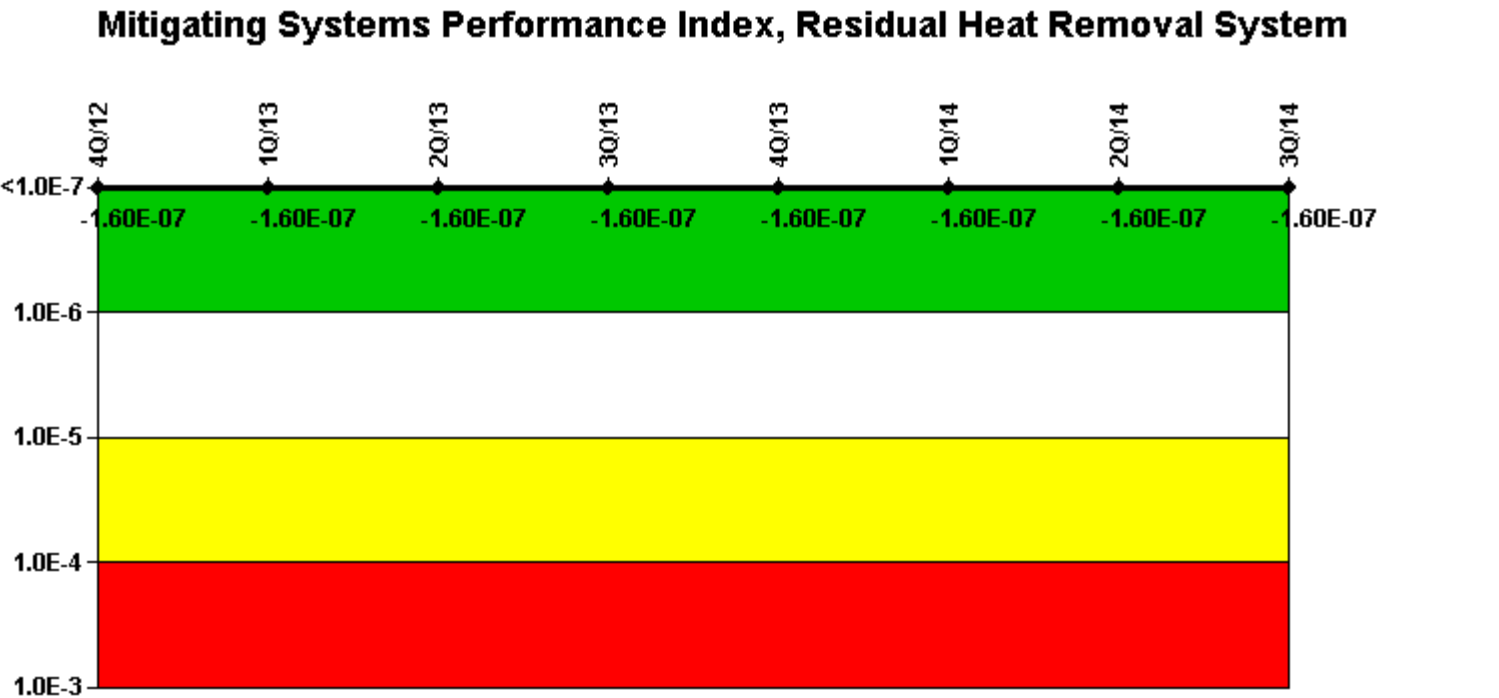


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	-2.32E-08	-1.92E-08	-1.85E-08	-1.40E-08	-1.47E-08	-4.56E-08	-3.35E-08	-3.76E-08
URI (ΔCDF)	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-4.00E-07	-3.90E-07	-3.90E-07

Licensee Comments: none



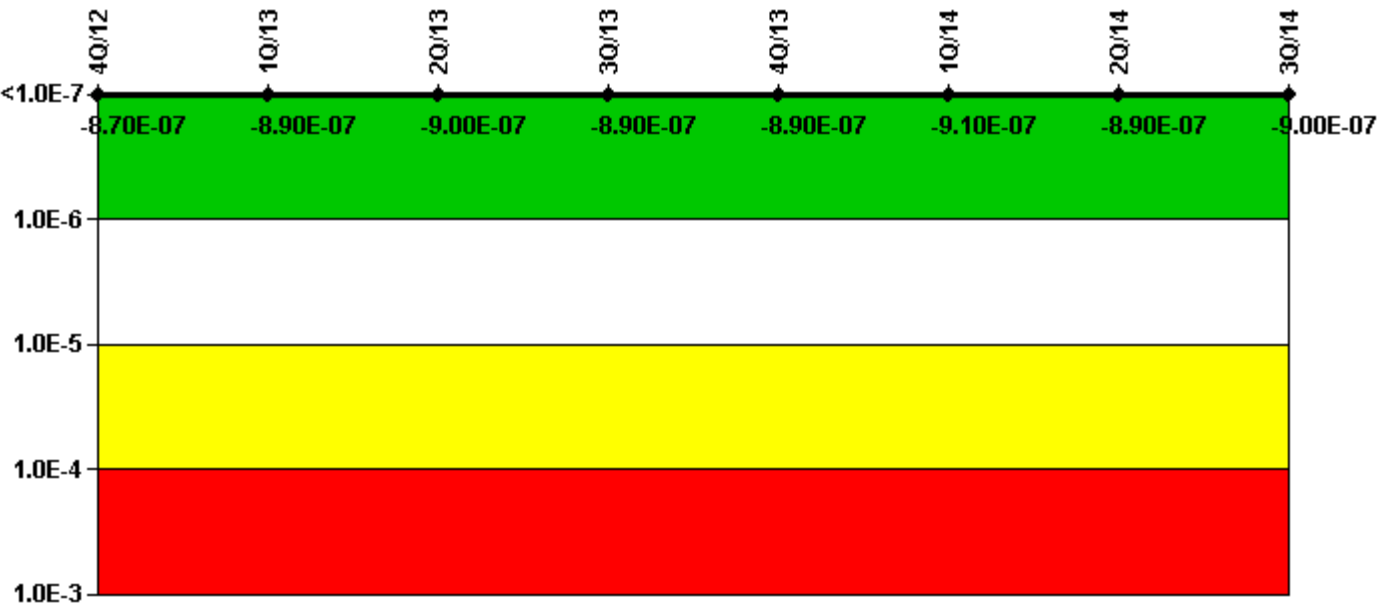
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-1.14E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.81E-08	-1.81E-08	-1.81E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



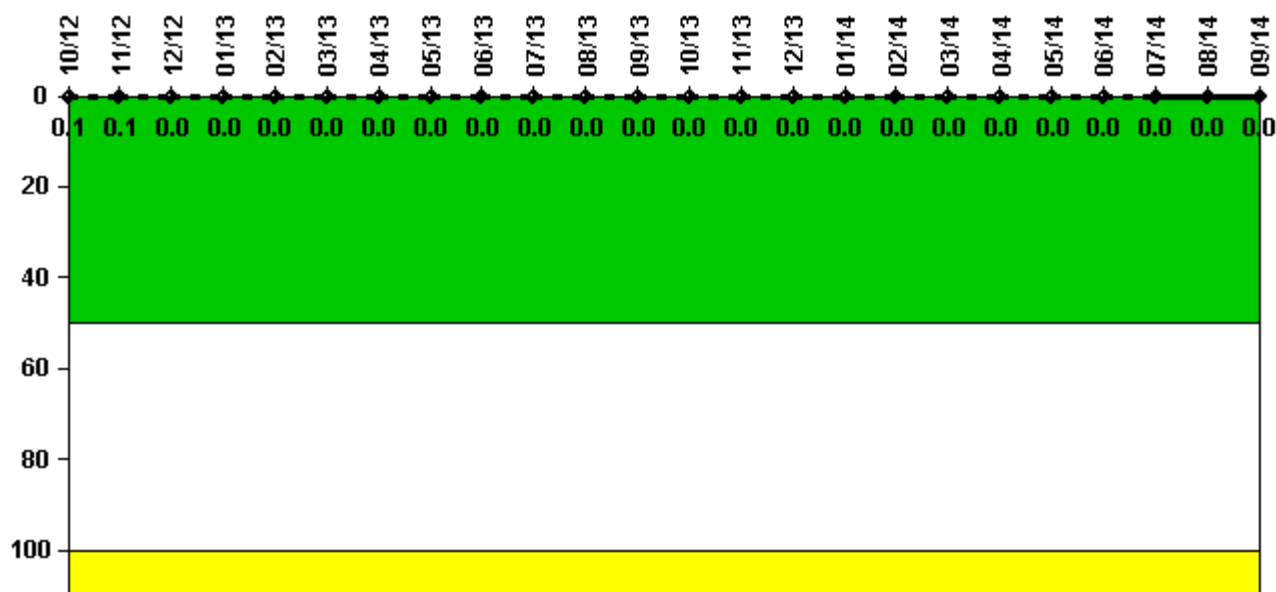
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	-4.22E-07	-4.46E-07	-4.48E-07	-4.38E-07	-4.38E-07	-4.64E-07	-4.45E-07	-4.53E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.70E-07	-8.90E-07	-9.00E-07	-8.90E-07	-8.90E-07	-9.10E-07	-8.90E-07	-9.00E-07

Licensee Comments: none

Reactor Coolant System Activity



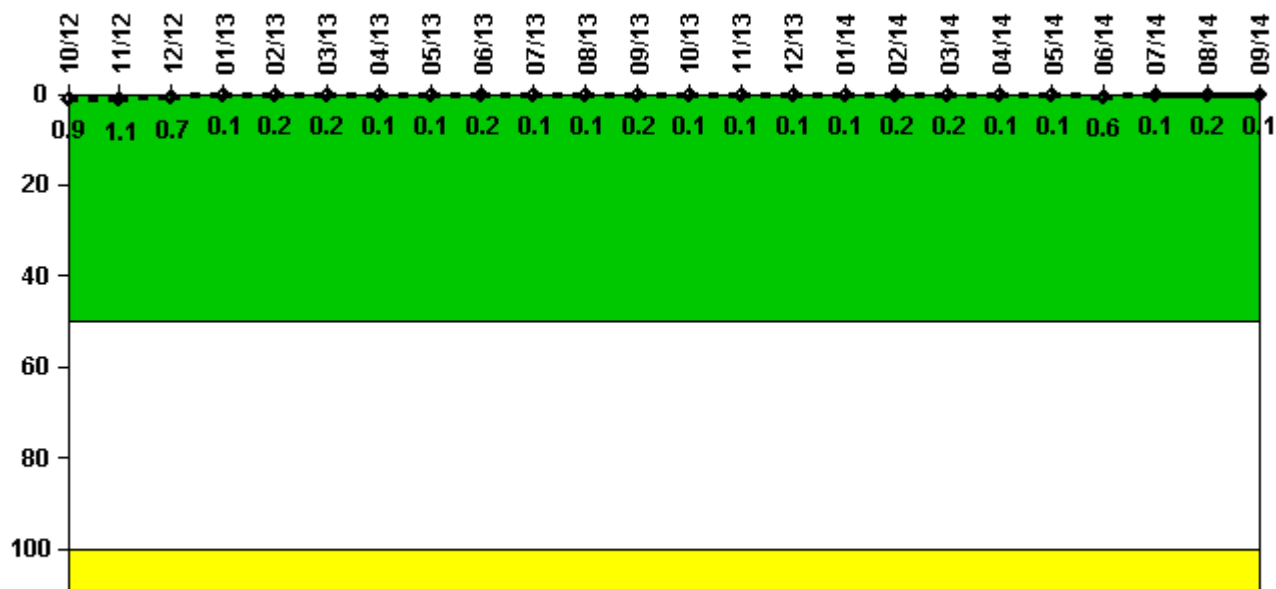
Thresholds: White > 50.0 Yellow > 100.0

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	0.000323	0.000304	0.000020	0.000090	0.000075	0.000055	0.000059	0.000084	0.000068	0.000146	0.000079	0.000079
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.000091	0.000090	0.000088	0.000098	0.000102	0.000109	0.000126	0.000158	0.000009	0.000054	0.000037	0.000068
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



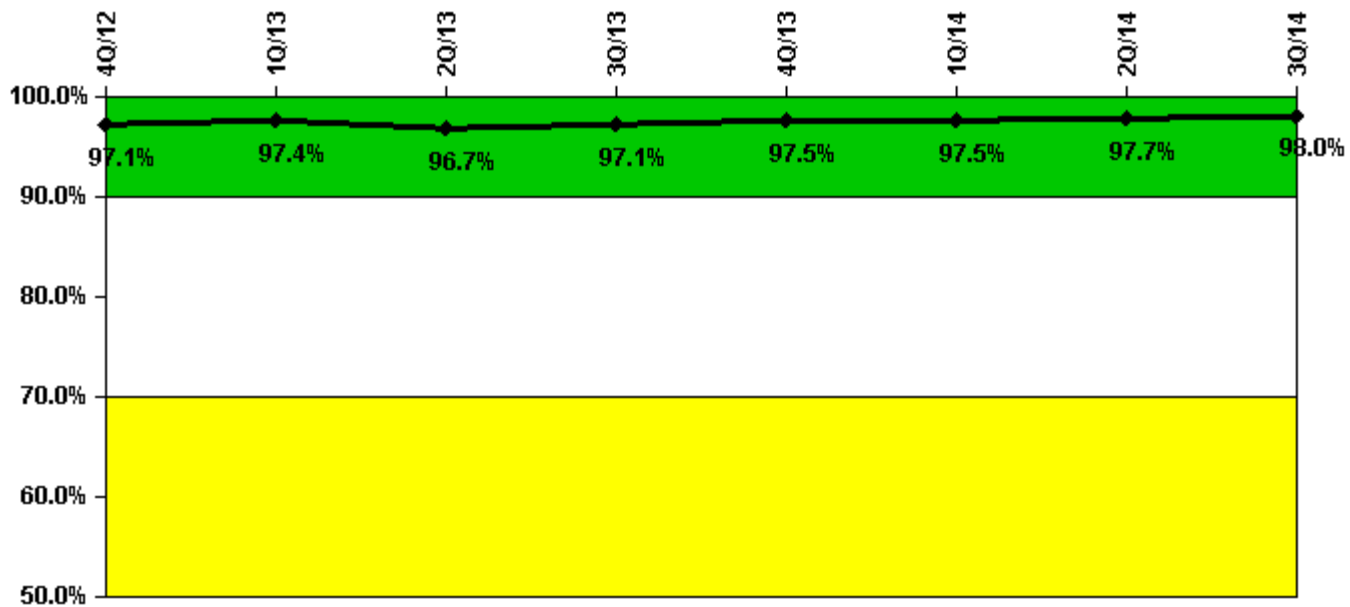
Thresholds: White > 50.0 Yellow > 100.0

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	0.092	0.106	0.067	0.009	0.016	0.017	0.014	0.013	0.018	0.013	0.012	0.016
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.1	0.7	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2
Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.008	0.008	0.011	0.013	0.018	0.015	0.012	0.007	0.060	0.007	0.015	0.011
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.6	0.1	0.2	0.1

Licensee Comments: none

Drill/Exercise Performance



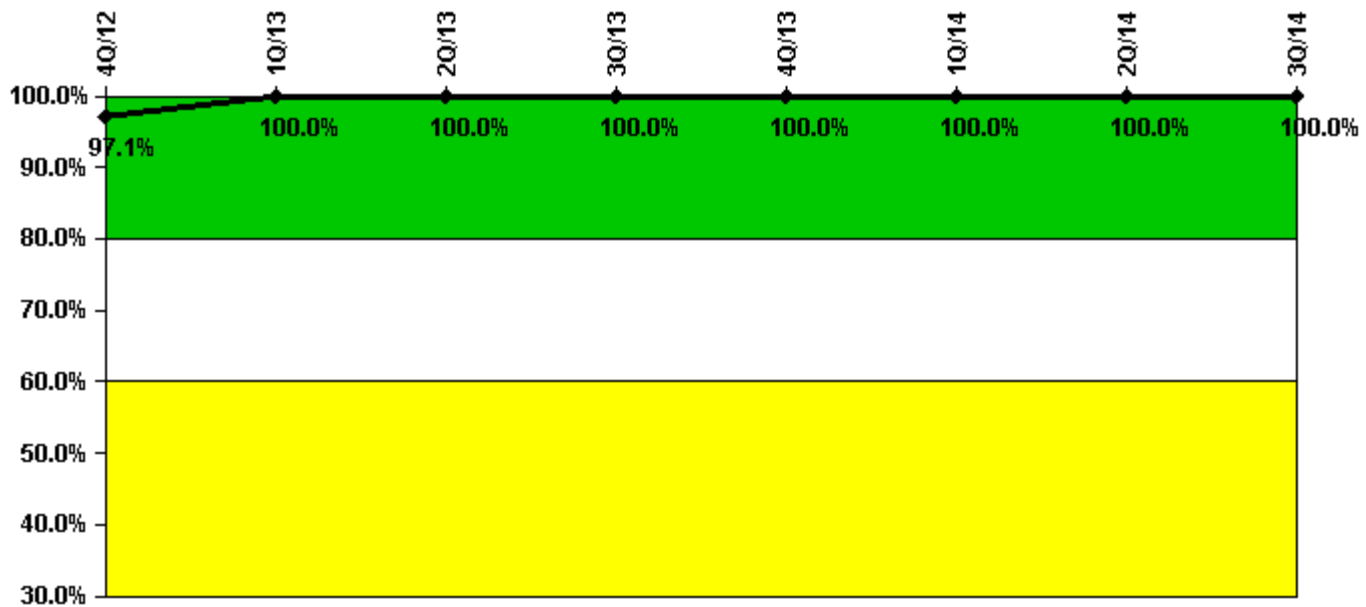
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	30.0	38.0	47.0	39.0	51.0	45.0	8.0	91.0
Total opportunities	30.0	38.0	50.0	41.0	51.0	46.0	8.0	92.0
Indicator value	97.1%	97.4%	96.7%	97.1%	97.5%	97.5%	97.7%	98.0%

Licensee Comments: none

ERO Drill Participation



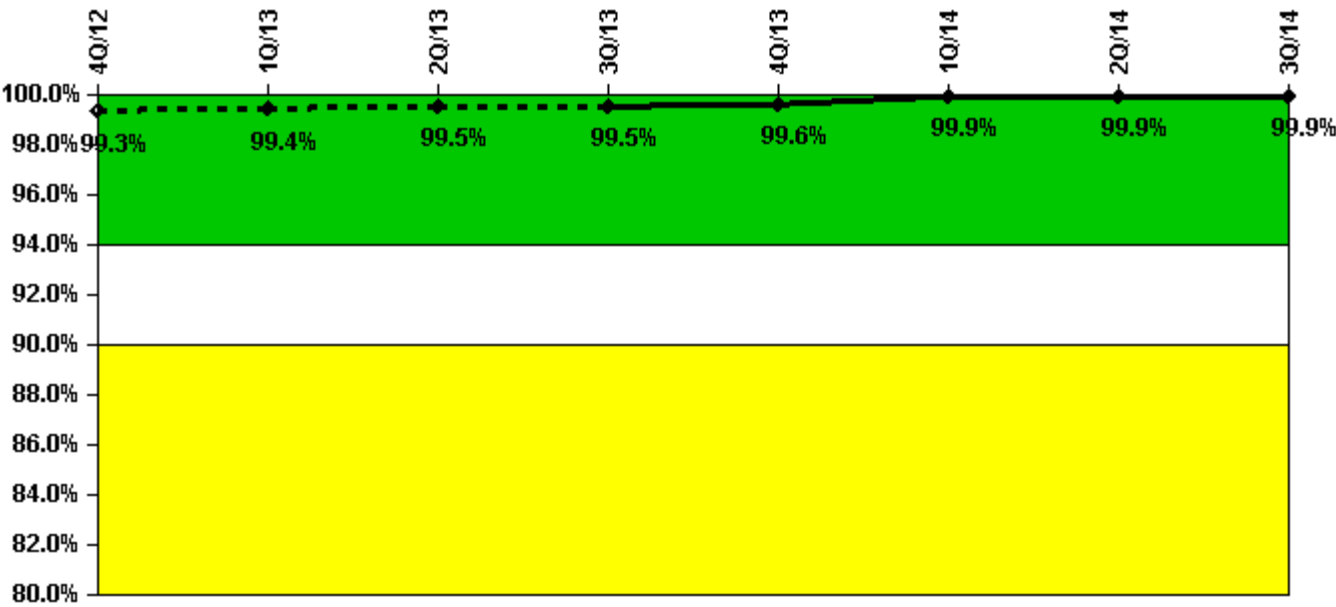
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	134.0	131.0	135.0	132.0	136.0	132.0	133.0	132.0
Total Key personnel	138.0	131.0	135.0	132.0	136.0	132.0	133.0	132.0
Indicator value	97.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



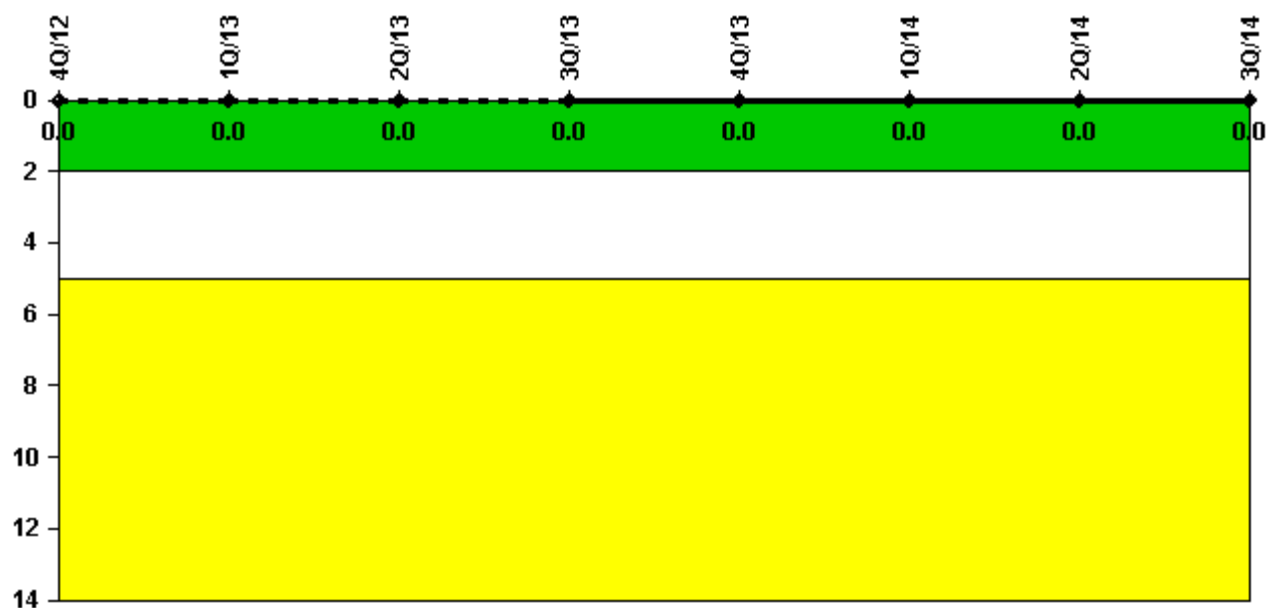
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	2302	2373	2399	2402	2491	2306	2402	2490
Total sirens-tests	2314	2403	2403	2403	2492	2314	2403	2492
Indicator value	99.3%	99.4%	99.5%	99.5%	99.6%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

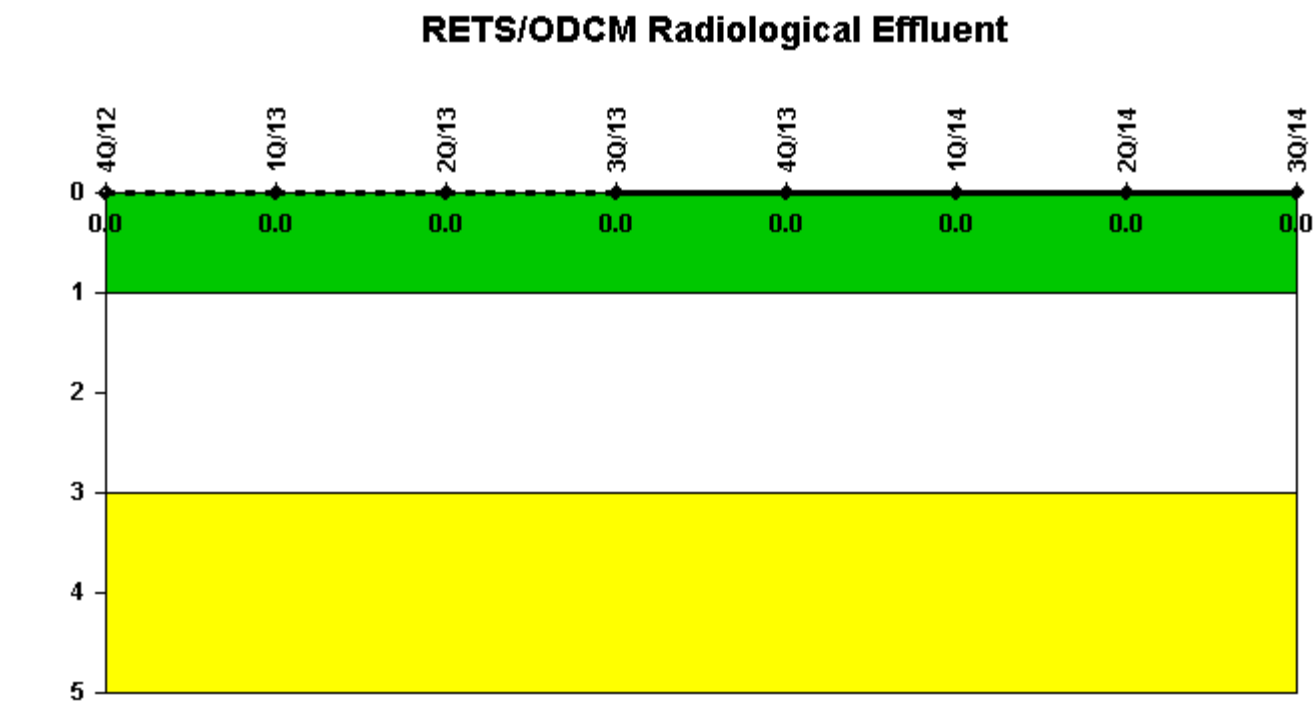


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
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



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

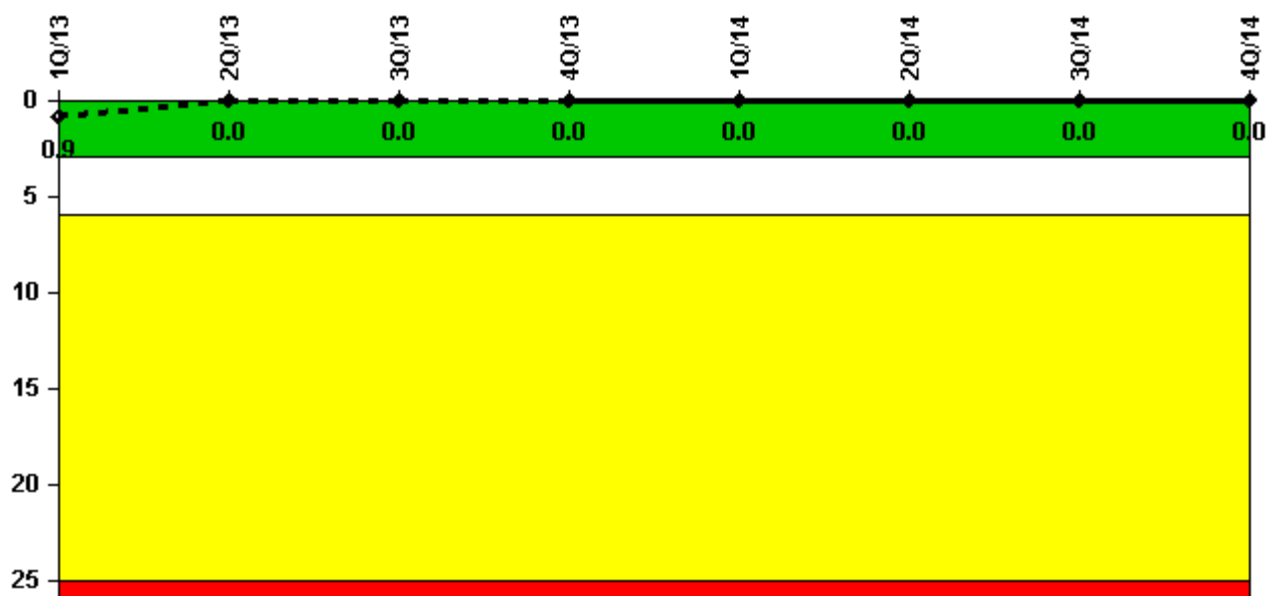
Catawba 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



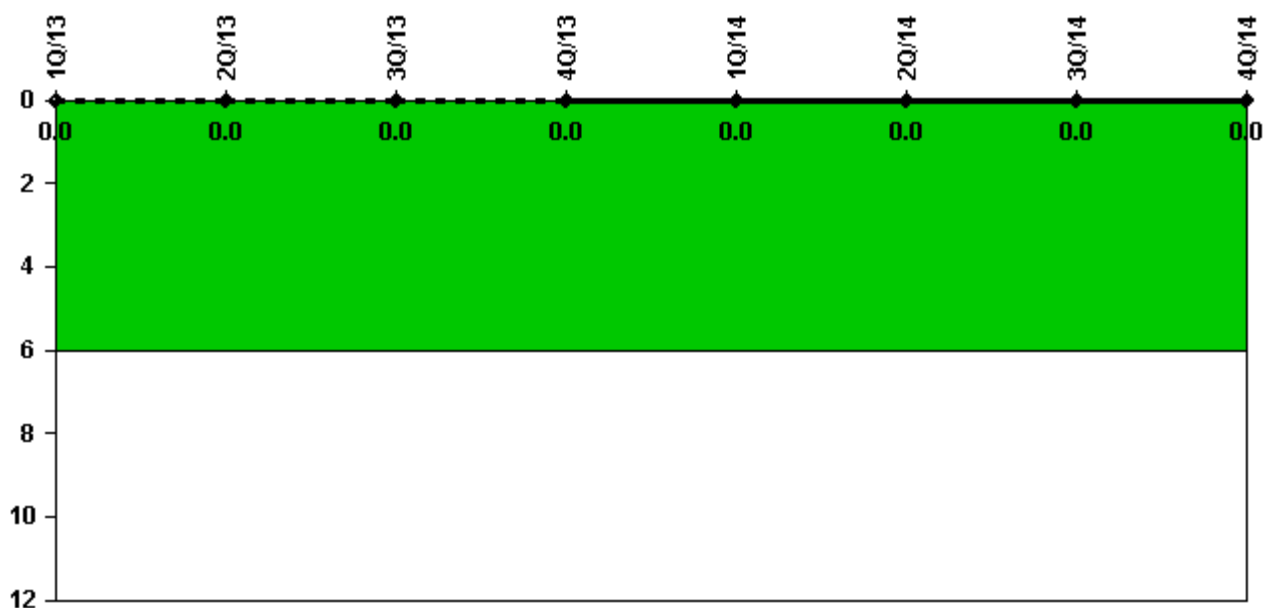
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	1003.4	2208.0	2209.0
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



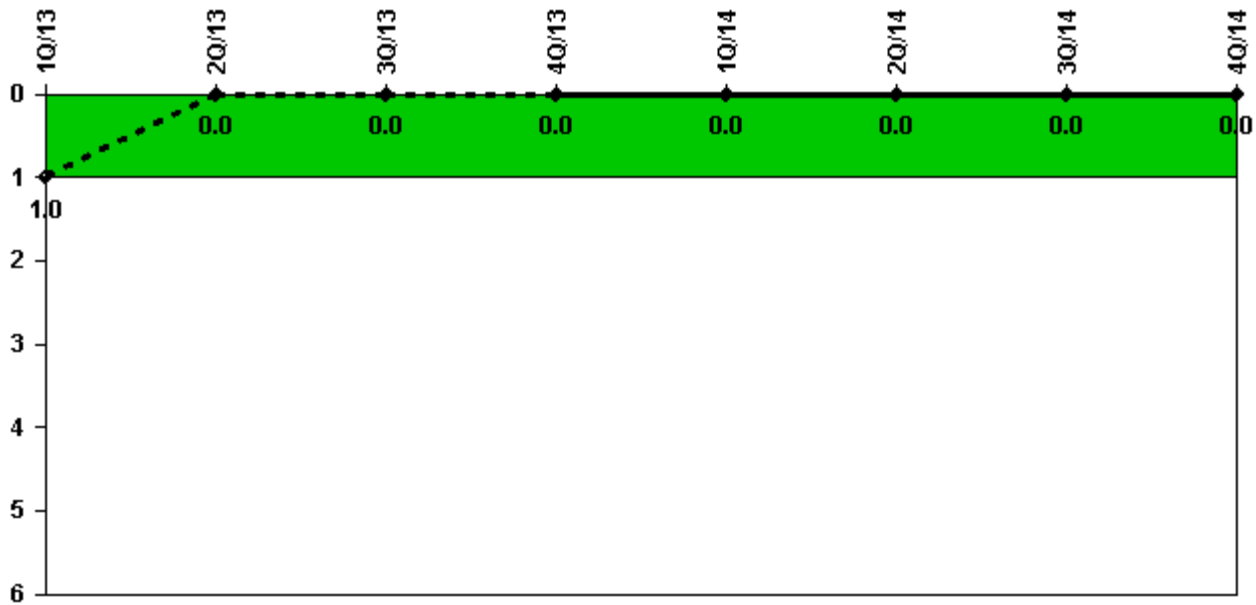
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	1003.4	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



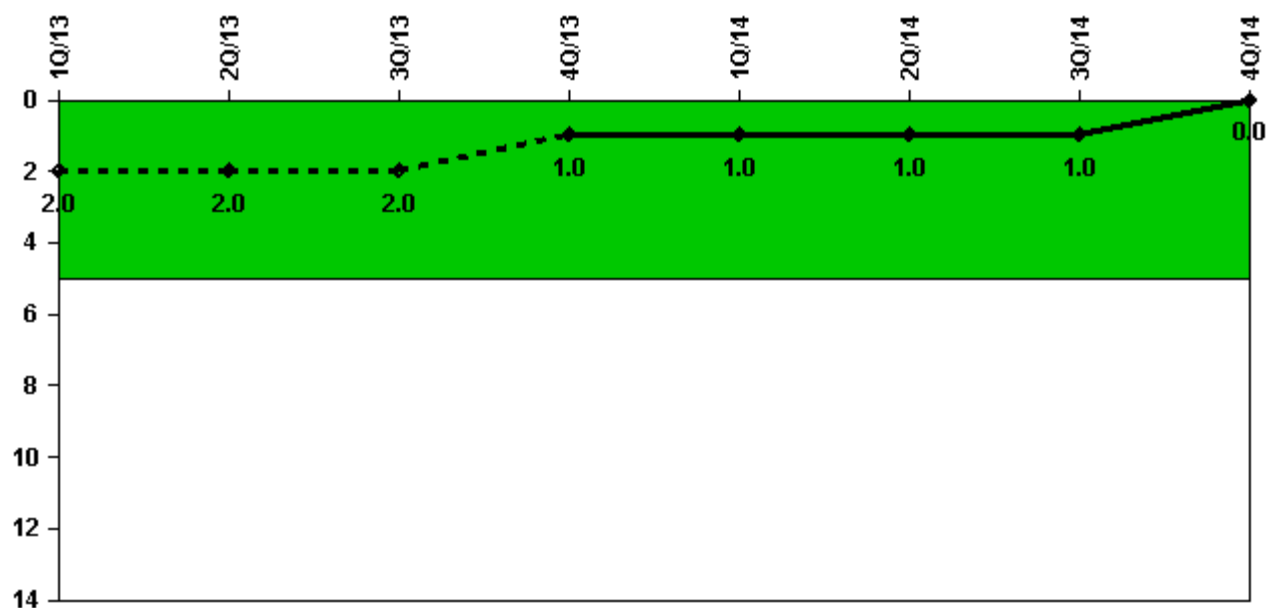
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Scrams with complications	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 (PWR)



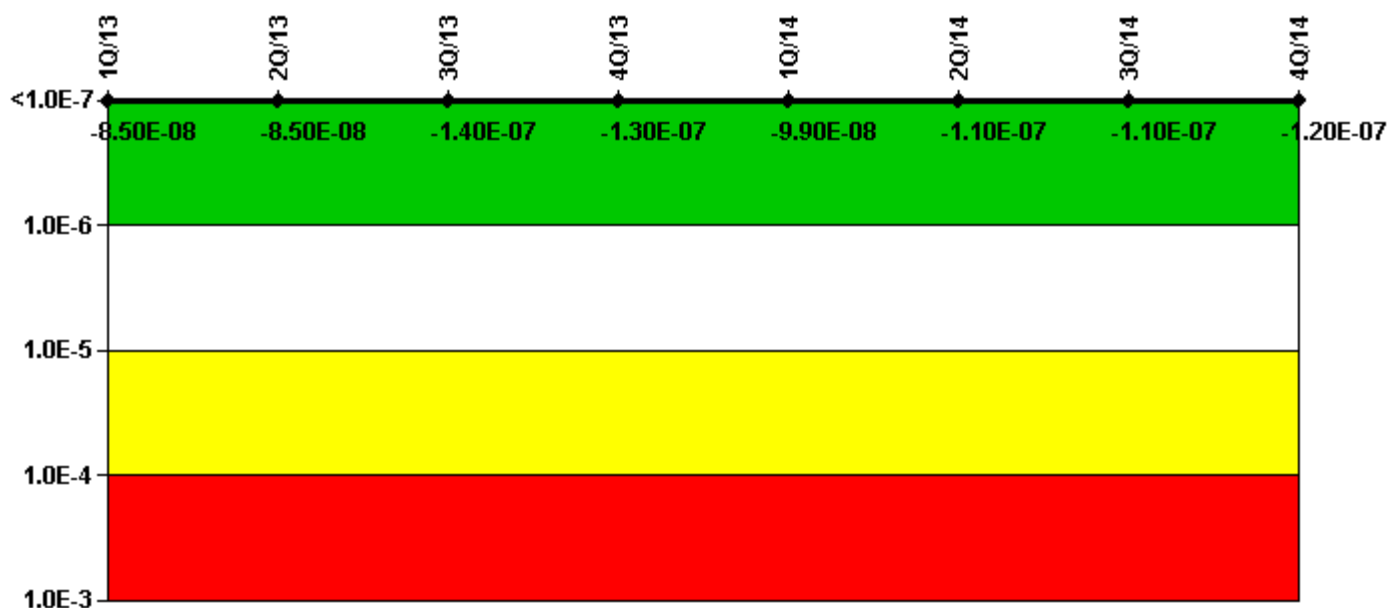
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	2	2	2	1	1	1	1	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



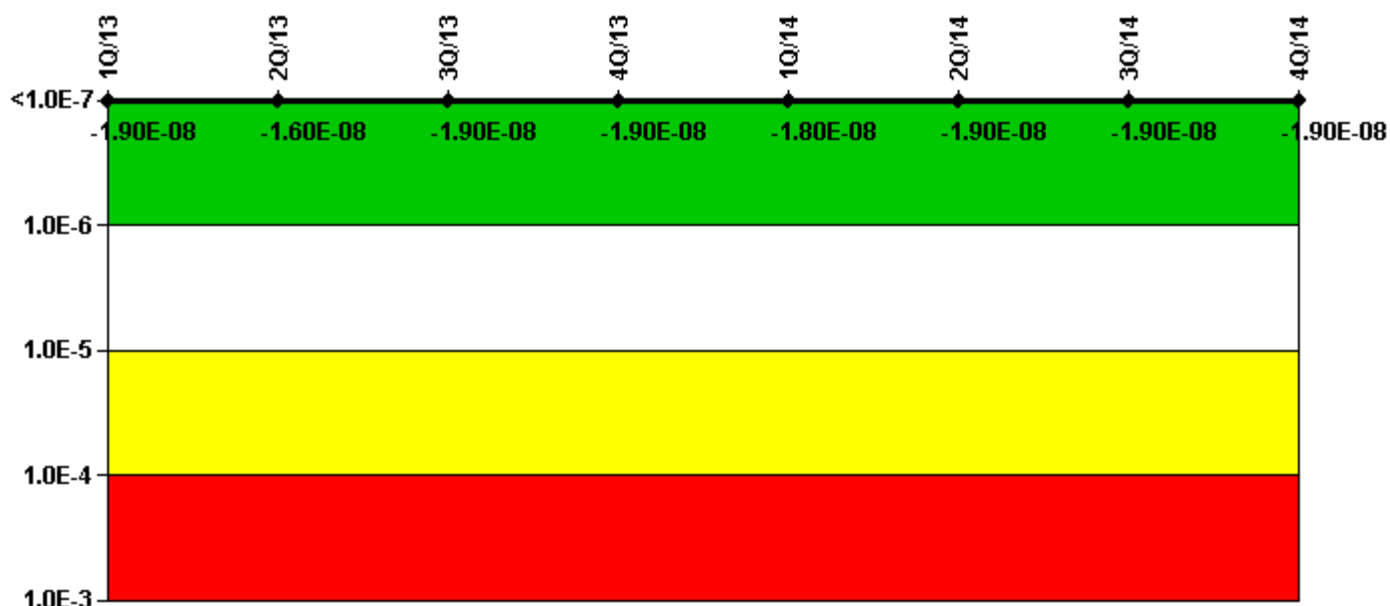
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	9.76E-08	9.83E-08	4.60E-08	4.92E-08	8.39E-08	6.83E-08	6.97E-08	6.42E-08
URI (Δ CDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.50E-08	-8.50E-08	-1.40E-07	-1.30E-07	-9.90E-08	-1.10E-07	-1.10E-07	-1.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



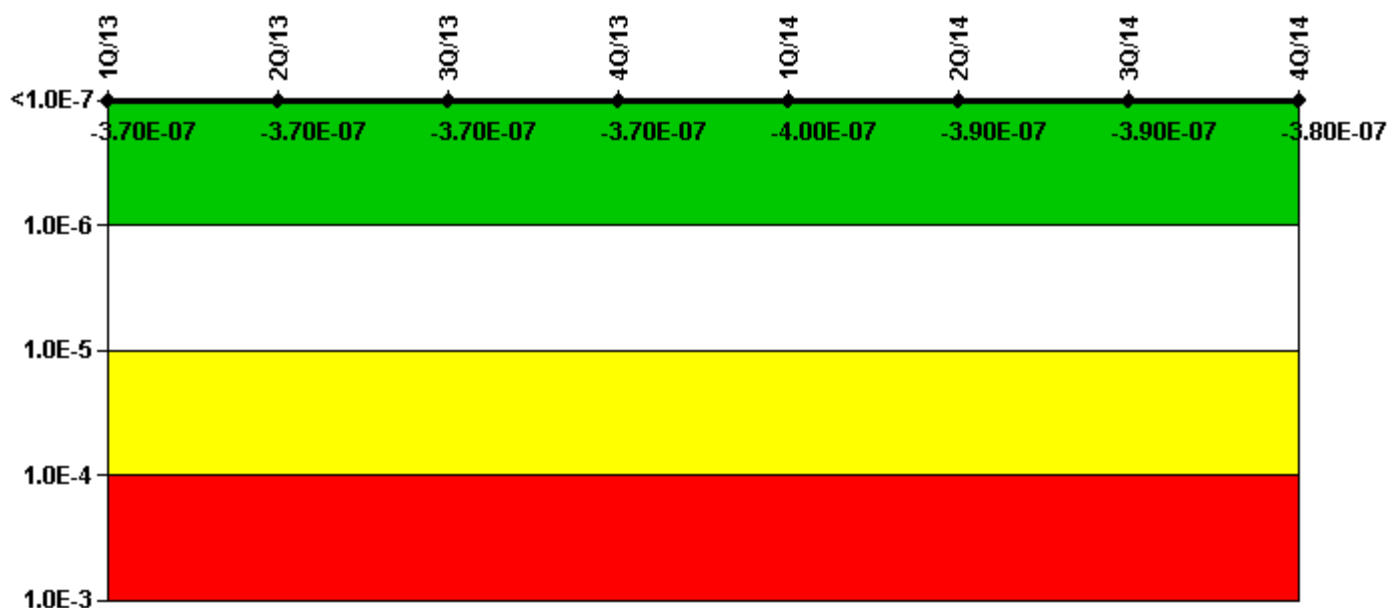
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-7.78E-09	-4.41E-09	-7.78E-09	-6.96E-09	-6.70E-09	-7.78E-09	-7.78E-09	-7.73E-09
URI (Δ CDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.60E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



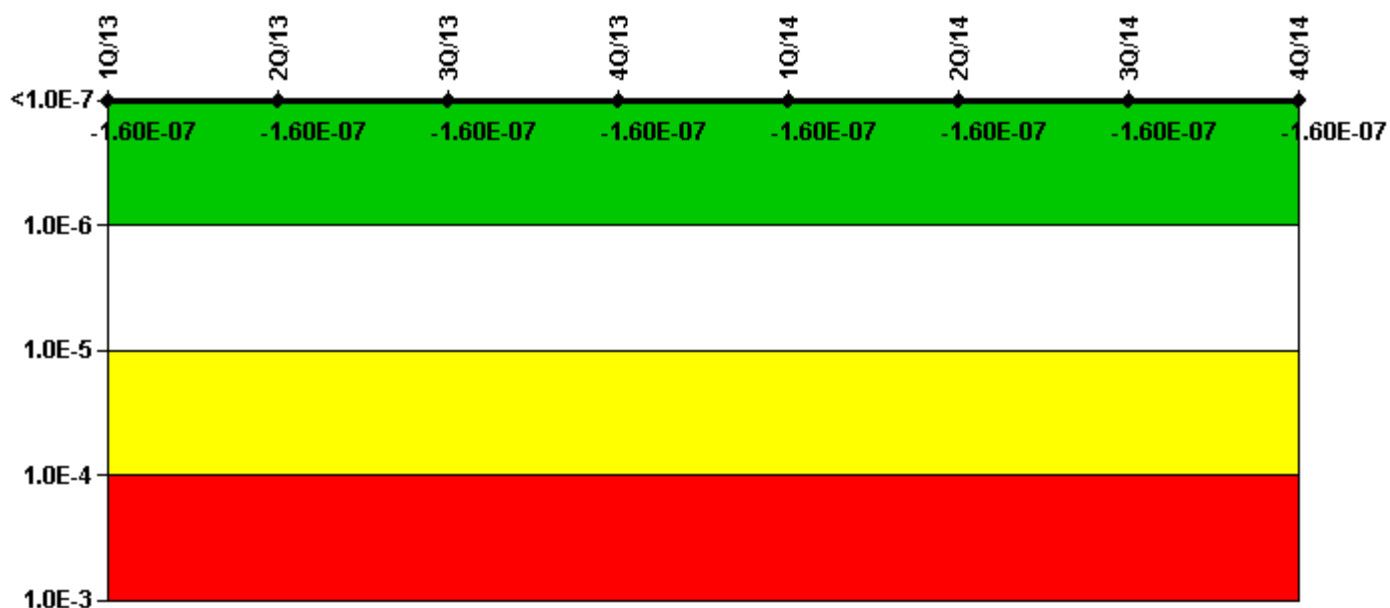
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-1.92E-08	-1.85E-08	-1.40E-08	-1.47E-08	-4.56E-08	-3.35E-08	-3.76E-08	-3.16E-08
URI (Δ CDF)	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-4.00E-07	-3.90E-07	-3.90E-07	-3.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



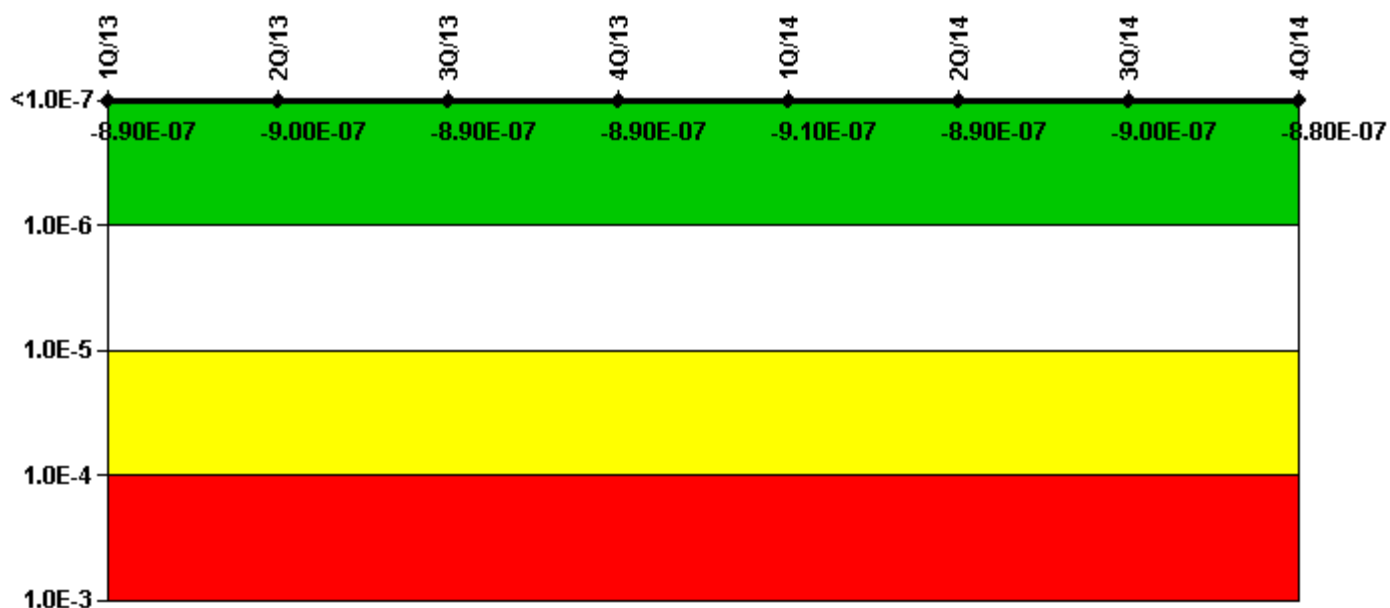
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08
URI (Δ CDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



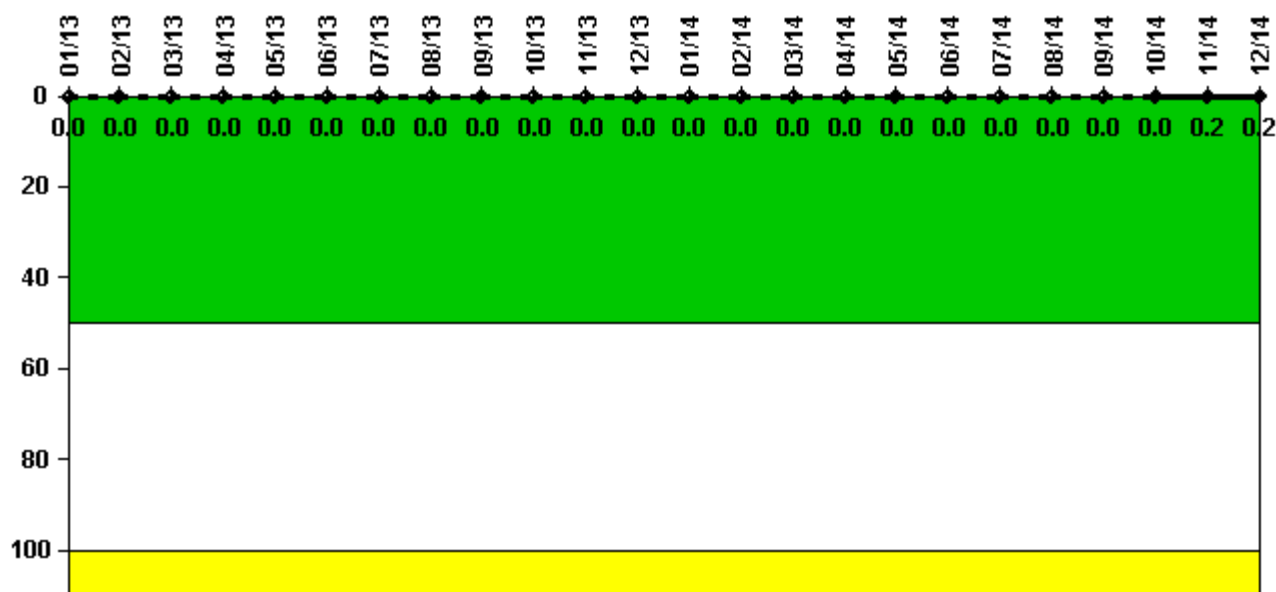
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-4.46E-07	-4.48E-07	-4.38E-07	-4.38E-07	-4.64E-07	-4.45E-07	-4.53E-07	-4.36E-07
URI (Δ CDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-07	-9.00E-07	-8.90E-07	-8.90E-07	-9.10E-07	-8.90E-07	-9.00E-07	-8.80E-07

Licensee Comments: none

Reactor Coolant System Activity



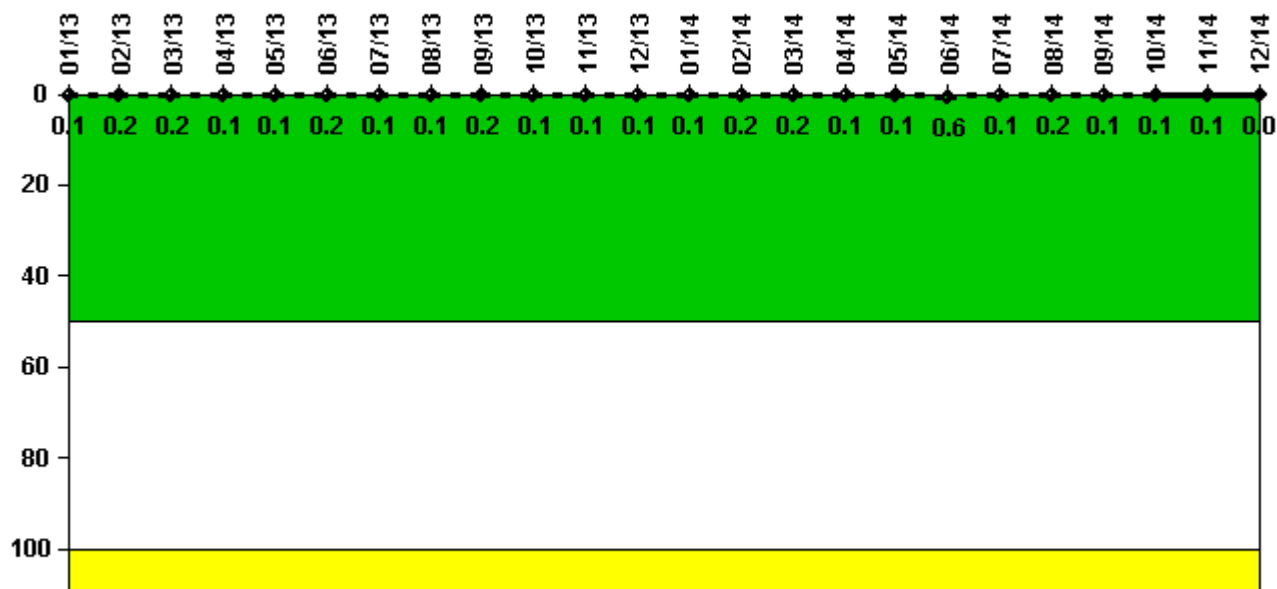
Thresholds: White > 50.0 Yellow > 100.0

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	0.000090	0.000075	0.000055	0.000059	0.000084	0.000068	0.000146	0.000079	0.000079	0.000091	0.000090	0.000088
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000098	0.000102	0.000109	0.000126	0.000158	0.000009	0.000054	0.000037	0.000068	0.000049	0.000774	0.000856
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



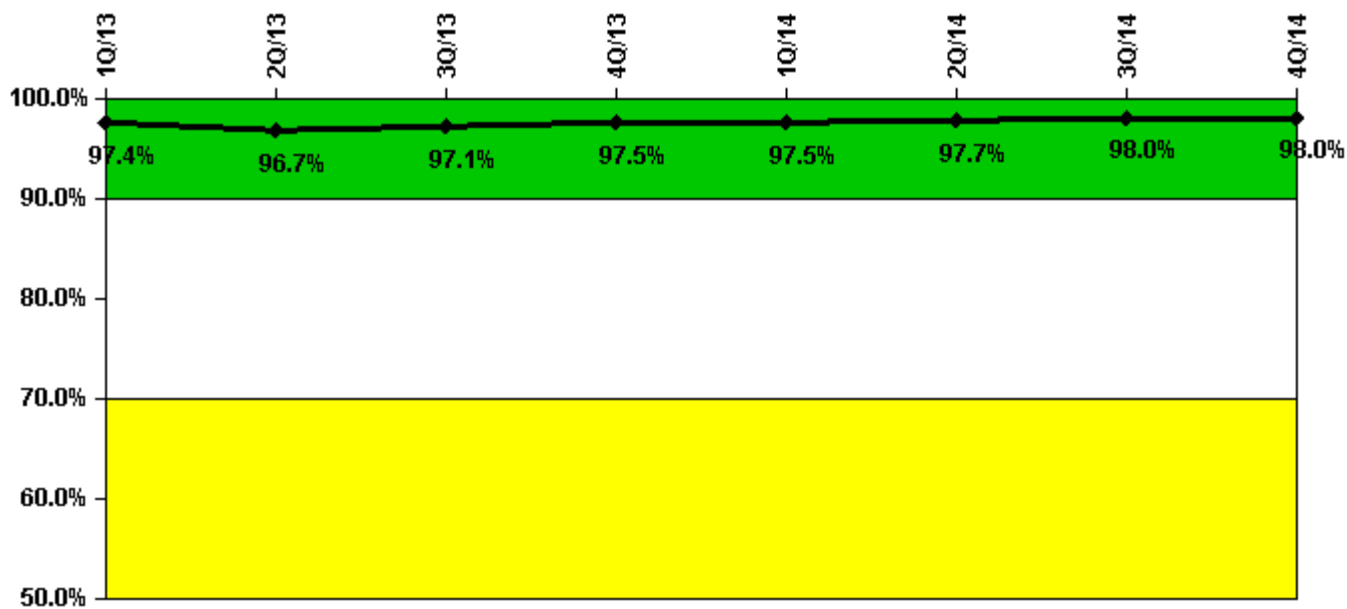
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.009	0.016	0.017	0.014	0.013	0.018	0.013	0.012	0.016	0.008	0.008	0.011
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1
Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.013	0.018	0.015	0.012	0.007	0.060	0.007	0.015	0.011	0.006	0.007	0.003
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.2	0.1	0.1	0.6	0.1	0.2	0.1	0.1	0.1	0

Licensee Comments: none

Drill/Exercise Performance



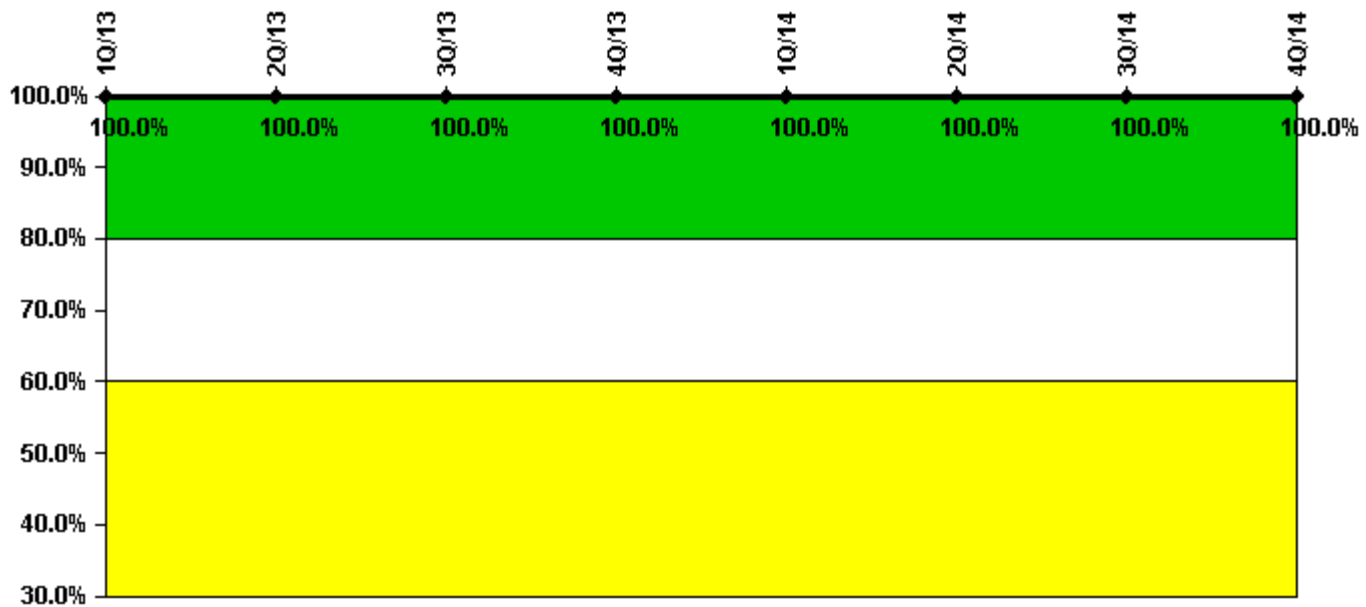
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	38.0	47.0	39.0	51.0	45.0	8.0	91.0	20.0
Total opportunities	38.0	50.0	41.0	51.0	46.0	8.0	92.0	20.0
Indicator value	97.4%	96.7%	97.1%	97.5%	97.5%	97.7%	98.0%	98.0%

Licensee Comments: none

ERO Drill Participation



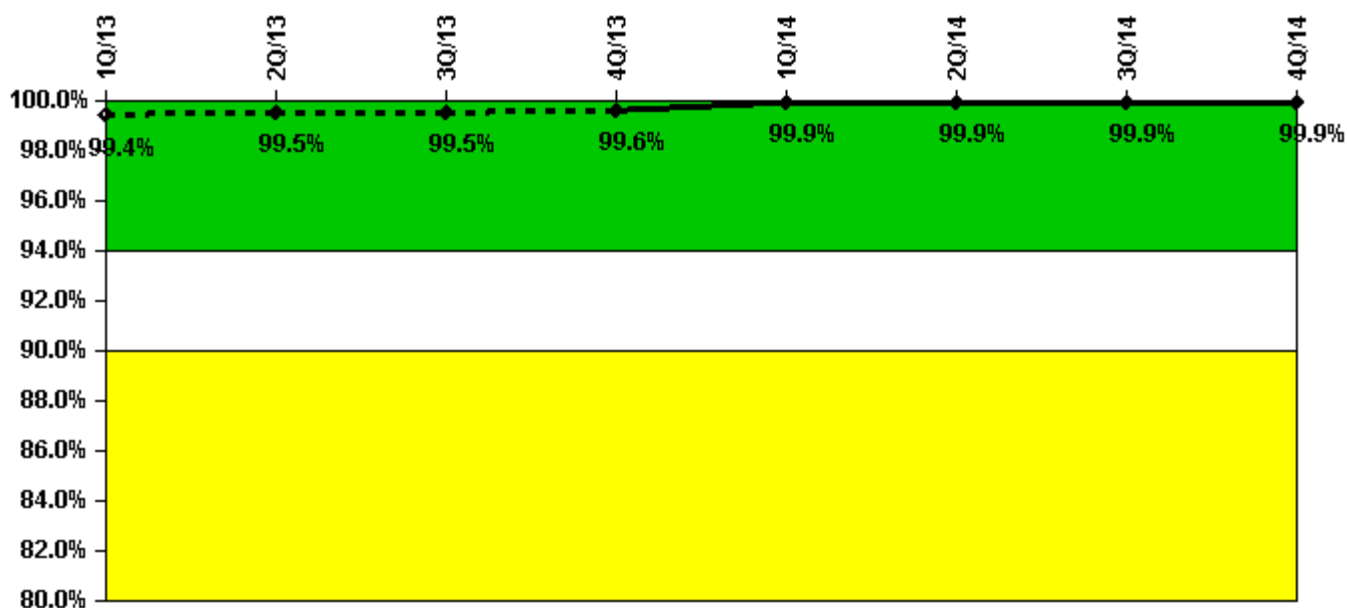
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	131.0	135.0	132.0	136.0	133.0	134.0	133.0	133.0
Total Key personnel	131.0	135.0	132.0	136.0	133.0	134.0	133.0	133.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



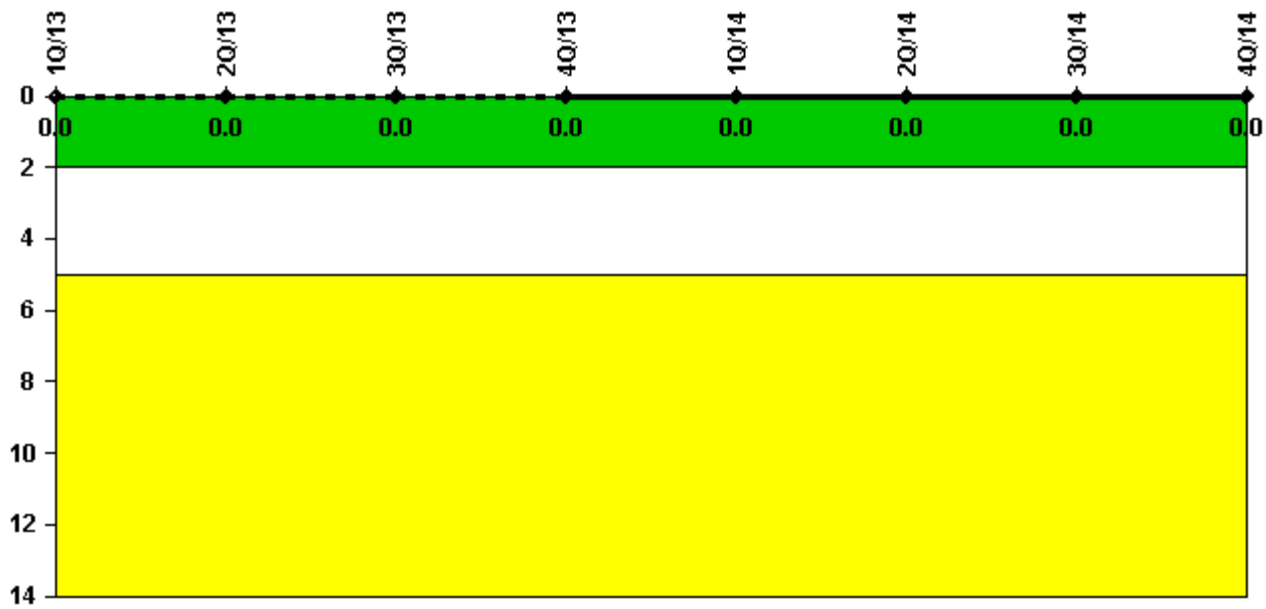
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	2373	2399	2402	2491	2306	2402	2490	2402
Total sirens-tests	2403	2403	2403	2492	2314	2403	2492	2403
Indicator value	99.4%	99.5%	99.5%	99.6%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

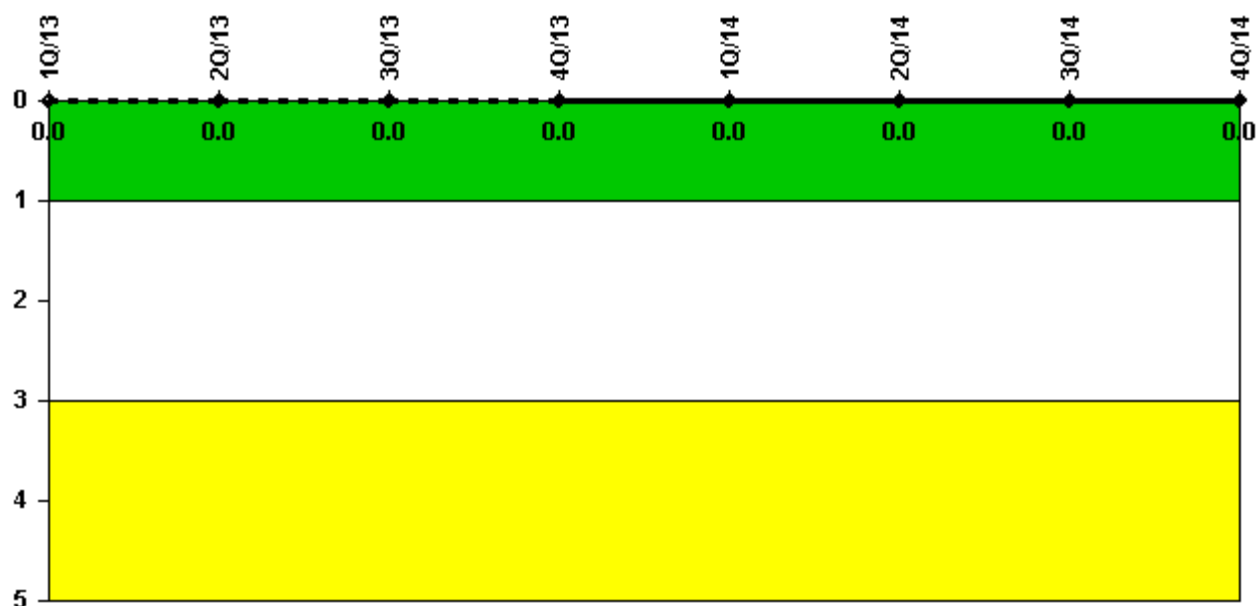


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
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/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

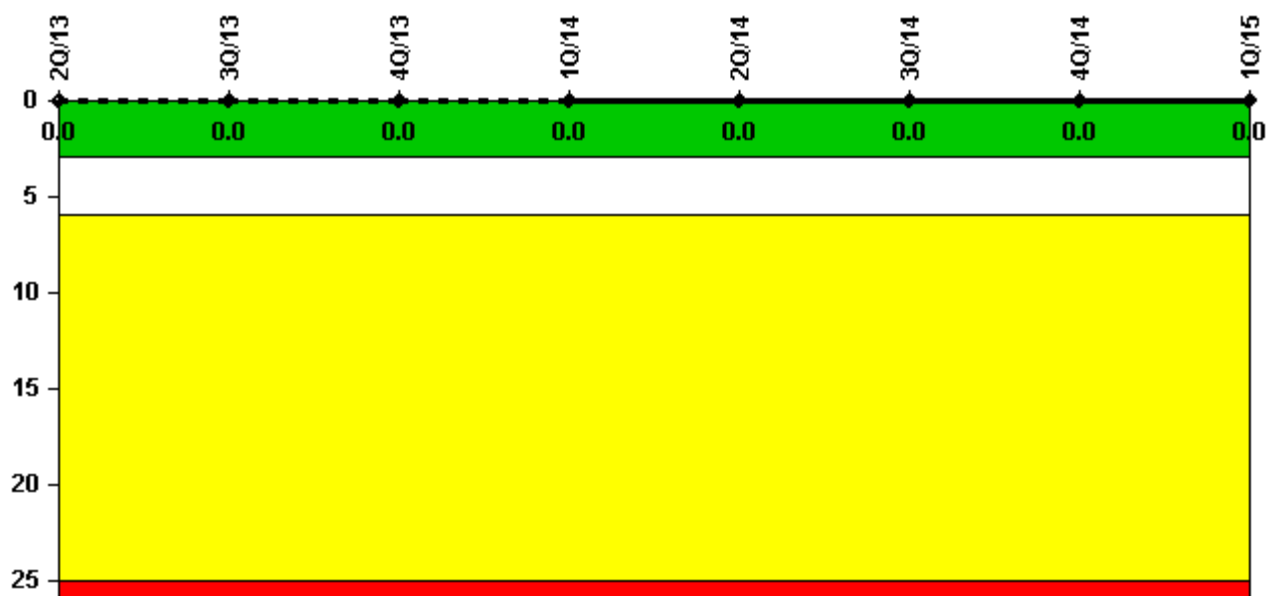
Catawba 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



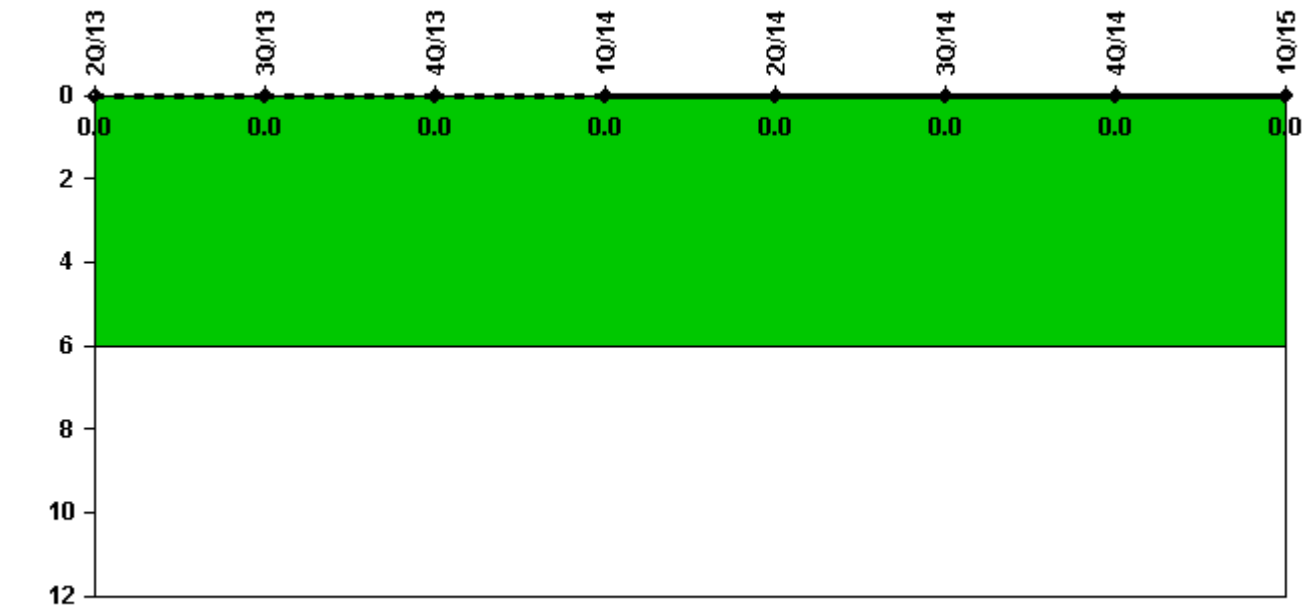
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1003.4	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



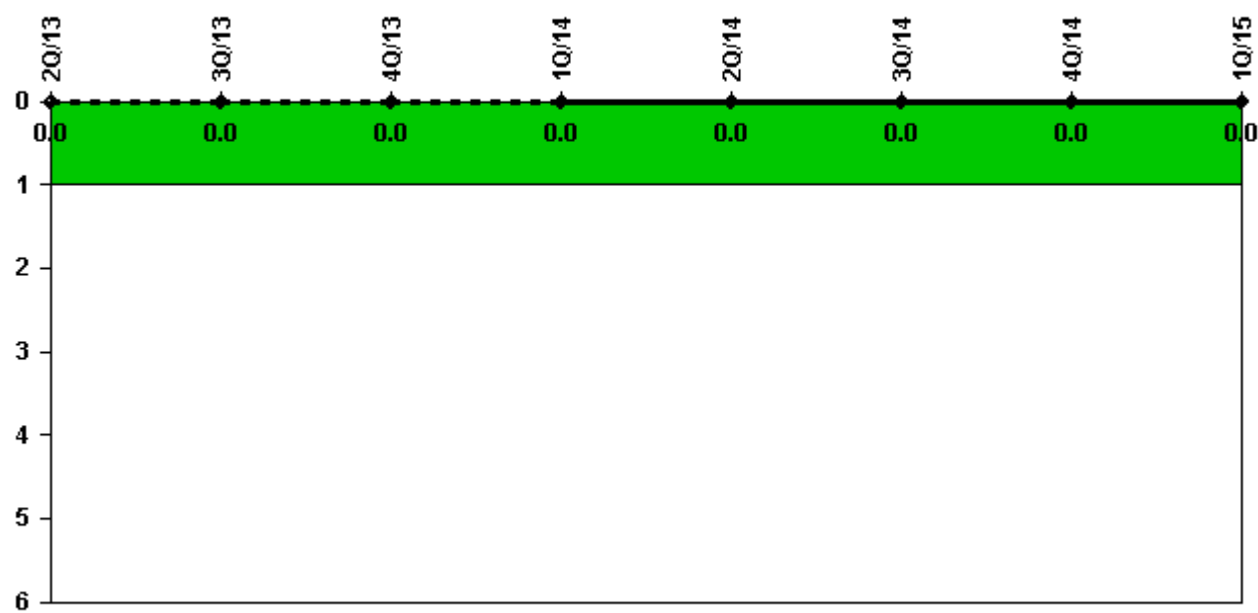
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1003.4	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



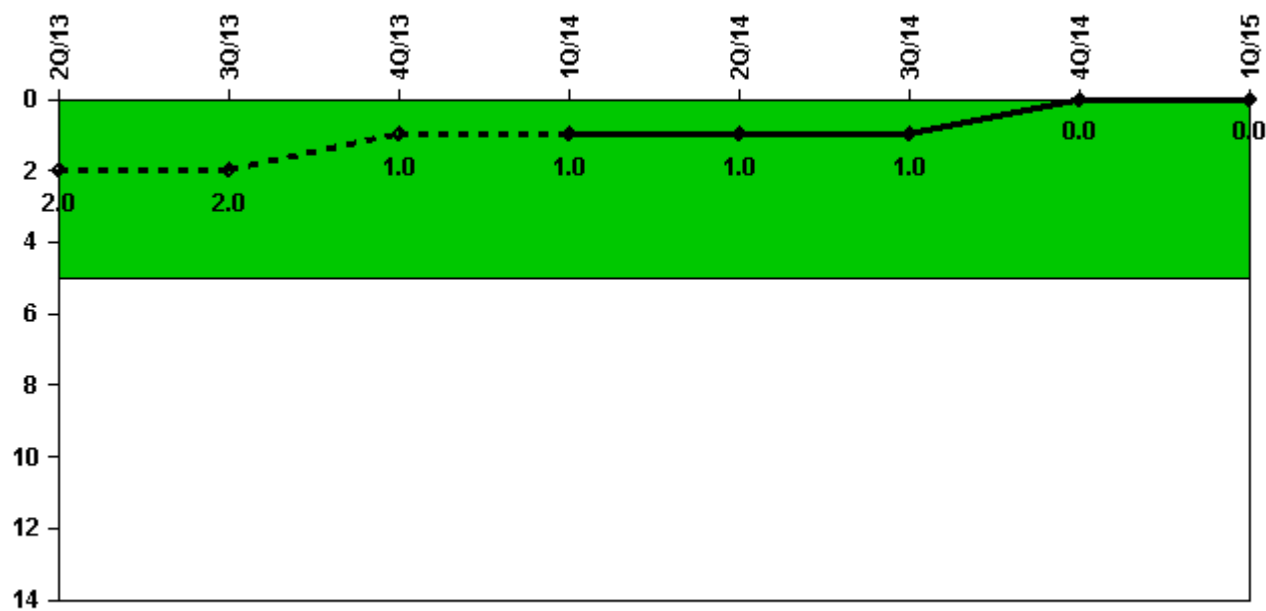
Thresholds: White > 1.0

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



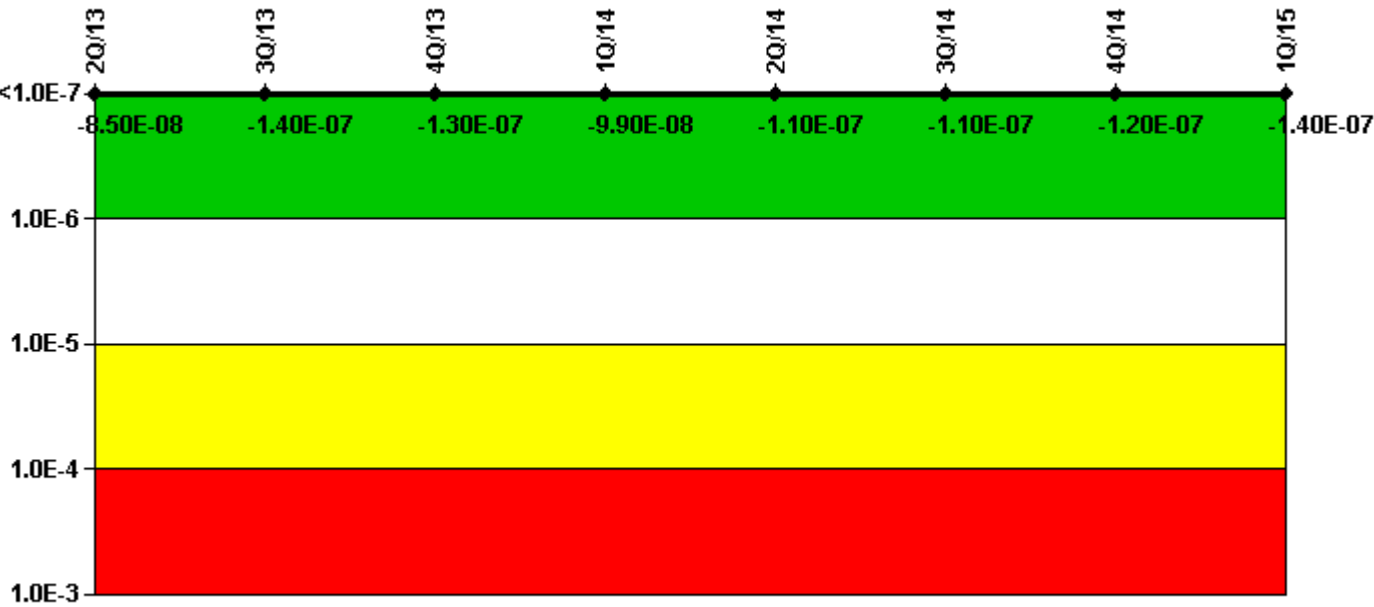
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	2	2	1	1	1	1	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

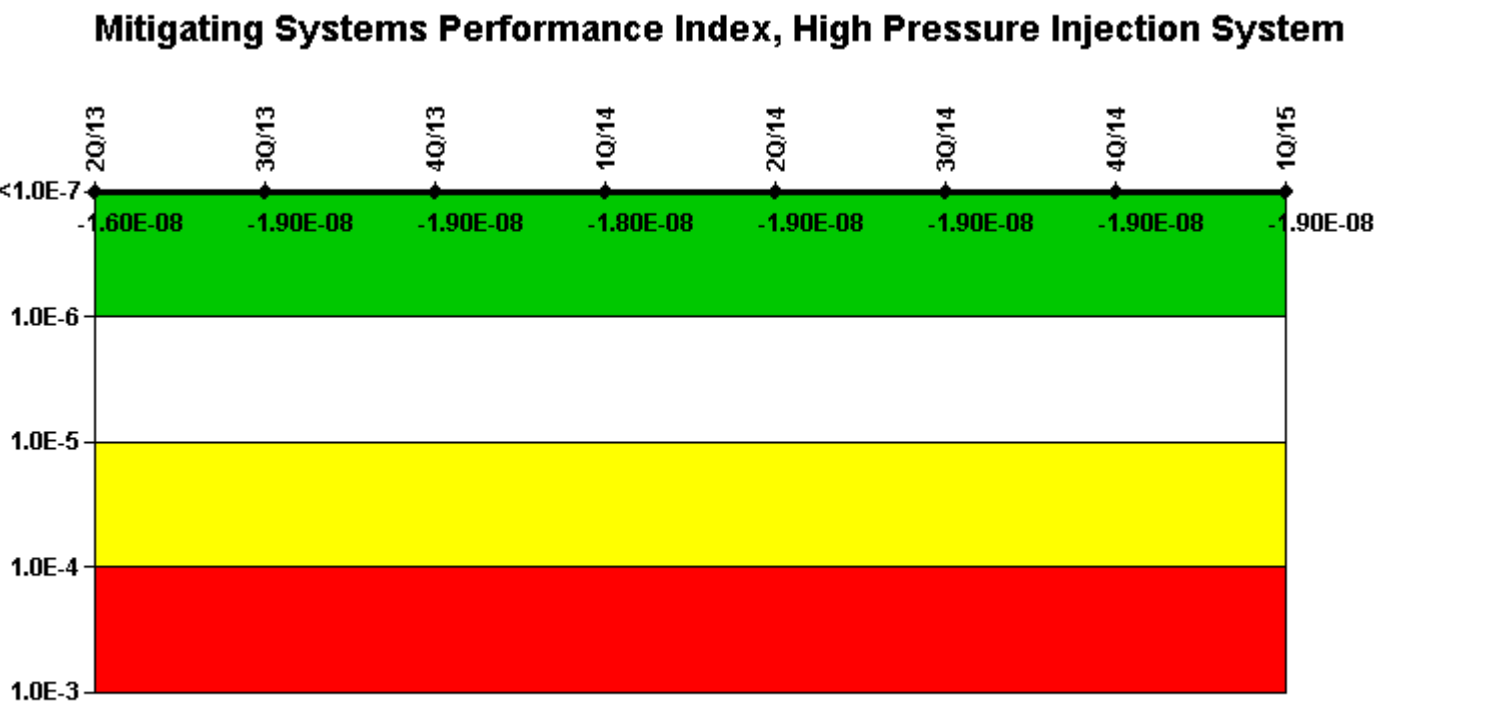


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	9.83E-08	4.60E-08	4.92E-08	8.39E-08	6.83E-08	6.97E-08	6.42E-08	4.68E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.50E-08	-1.40E-07	-1.30E-07	-9.90E-08	-1.10E-07	-1.10E-07	-1.20E-07	-1.40E-07

Licensee Comments: none



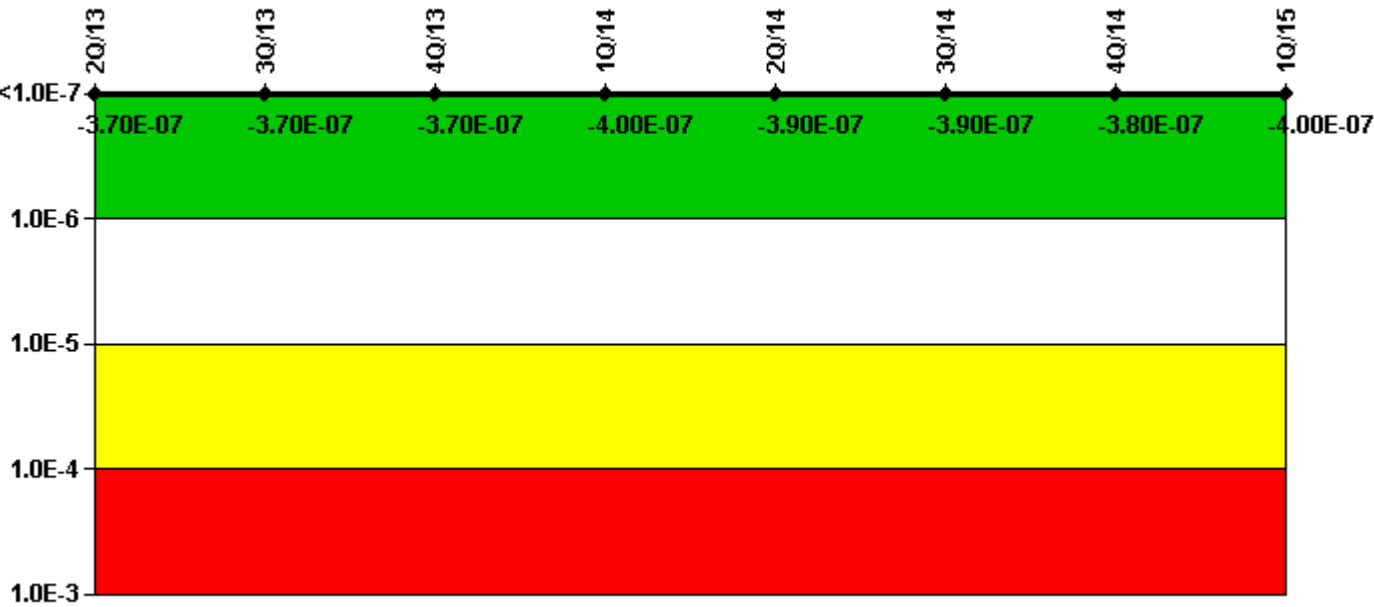
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	-4.41E-09	-7.78E-09	-6.96E-09	-6.70E-09	-7.78E-09	-7.78E-09	-7.73E-09	-7.73E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

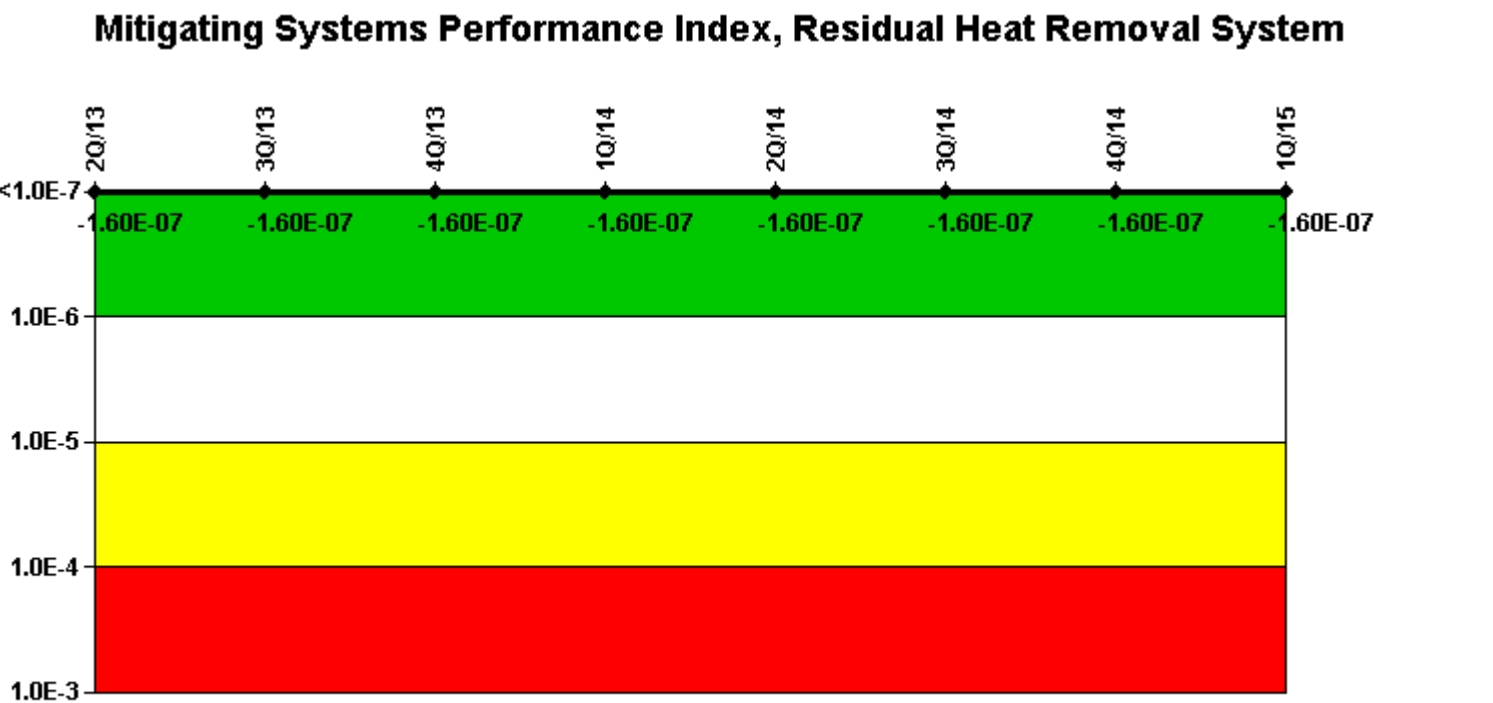


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	-1.85E-08	-1.40E-08	-1.47E-08	-4.56E-08	-3.35E-08	-3.76E-08	-3.16E-08	-4.45E-08
URI (ΔCDF)	-3.53E-07	-3.53E-07	-3.53E-07	-3.53E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-07	-3.70E-07	-3.70E-07	-4.00E-07	-3.90E-07	-3.90E-07	-3.80E-07	-4.00E-07

Licensee Comments: none



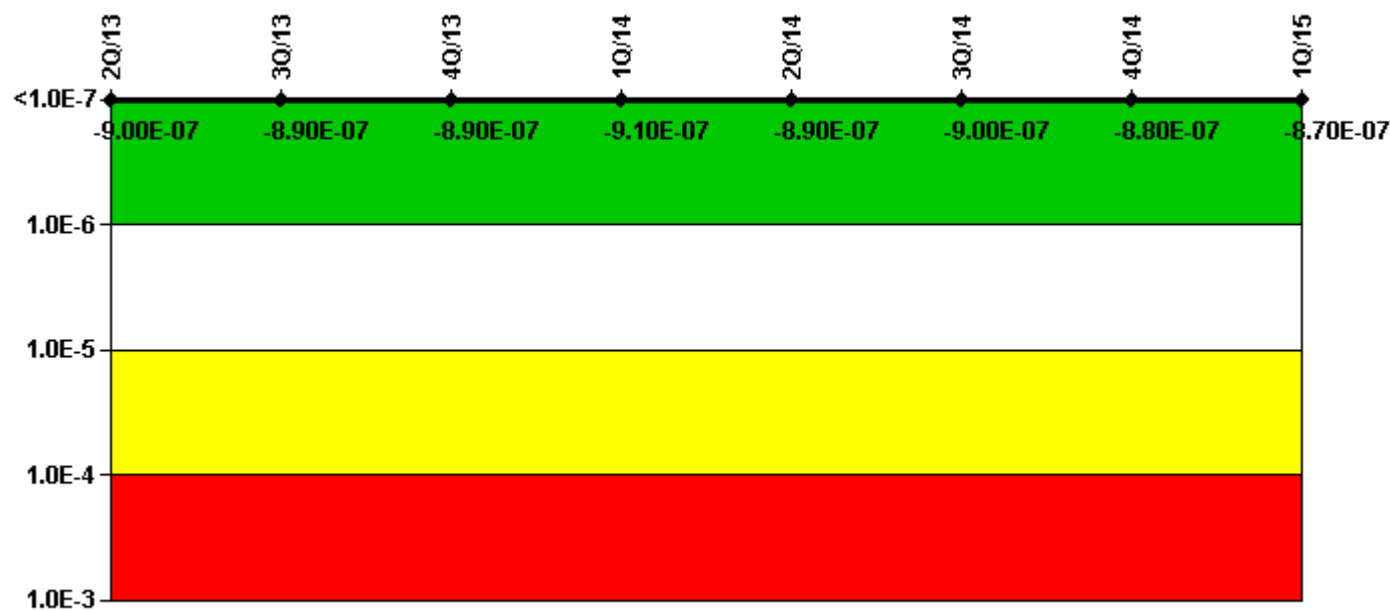
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	-1.35E-08	-1.35E-08	-1.35E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



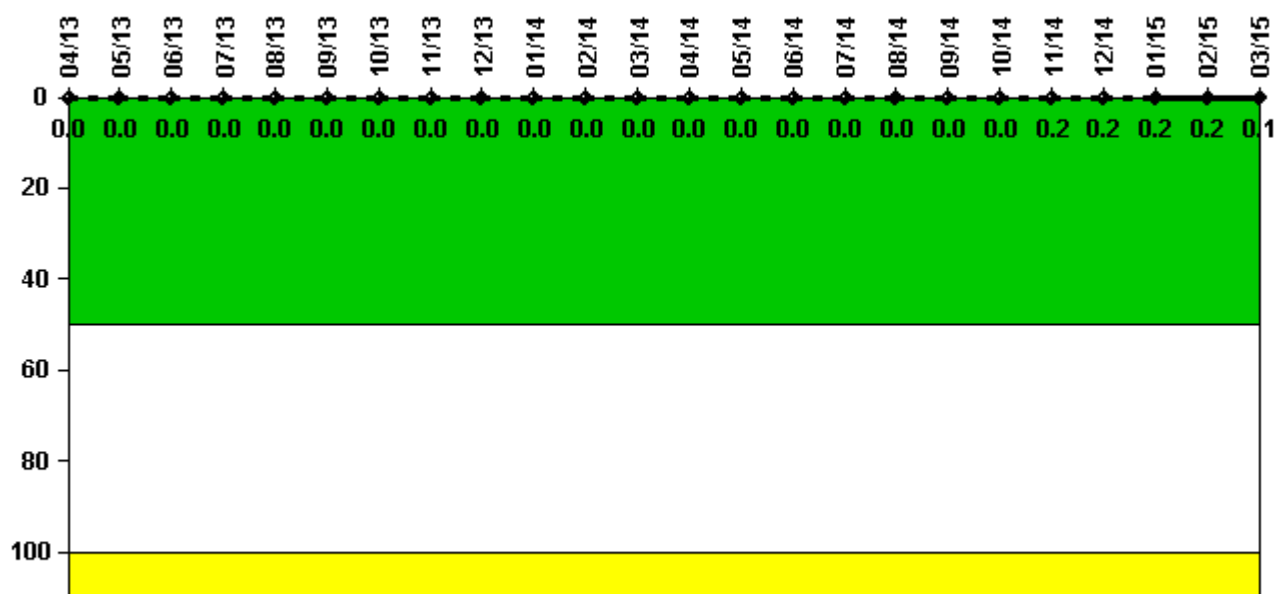
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	-4.48E-07	-4.38E-07	-4.38E-07	-4.64E-07	-4.45E-07	-4.53E-07	-4.36E-07	-4.27E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-07	-8.90E-07	-8.90E-07	-9.10E-07	-8.90E-07	-9.00E-07	-8.80E-07	-8.70E-07

Licensee Comments: none

Reactor Coolant System Activity



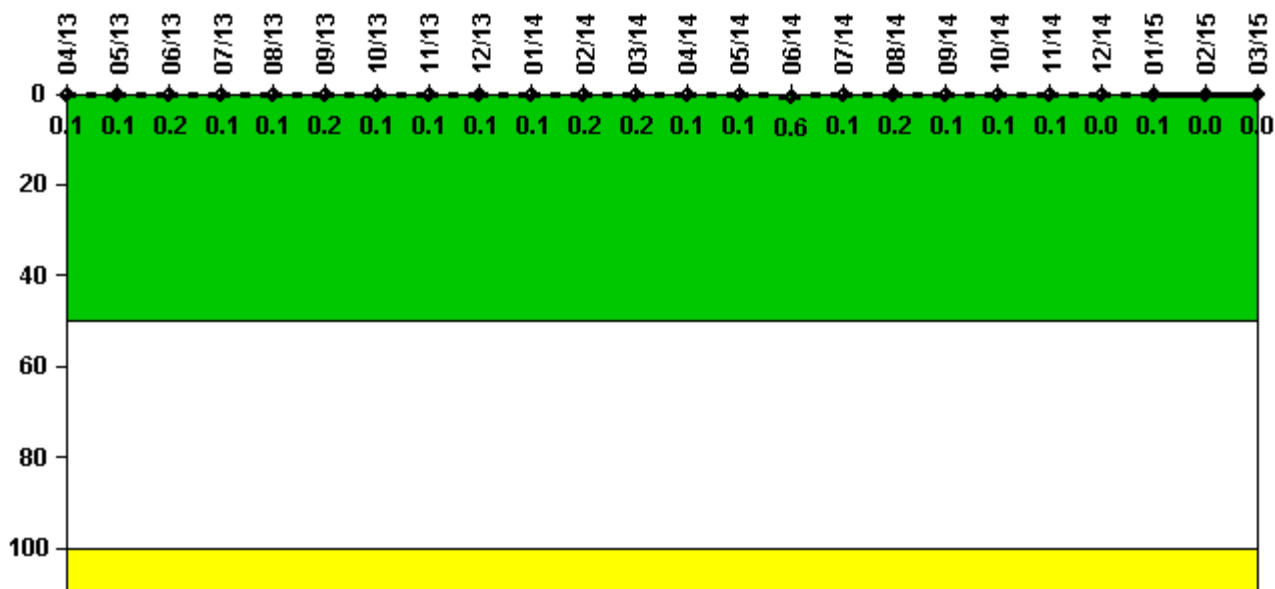
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000059	0.000084	0.000068	0.000146	0.000079	0.000079	0.000091	0.000090	0.000088	0.000098	0.000102	0.000109
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	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	0.000126	0.000158	0.000009	0.000054	0.000037	0.000068	0.000049	0.000774	0.000856	0.000841	0.000705	0.000482
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.1

Licensee Comments: none

Reactor Coolant System Leakage



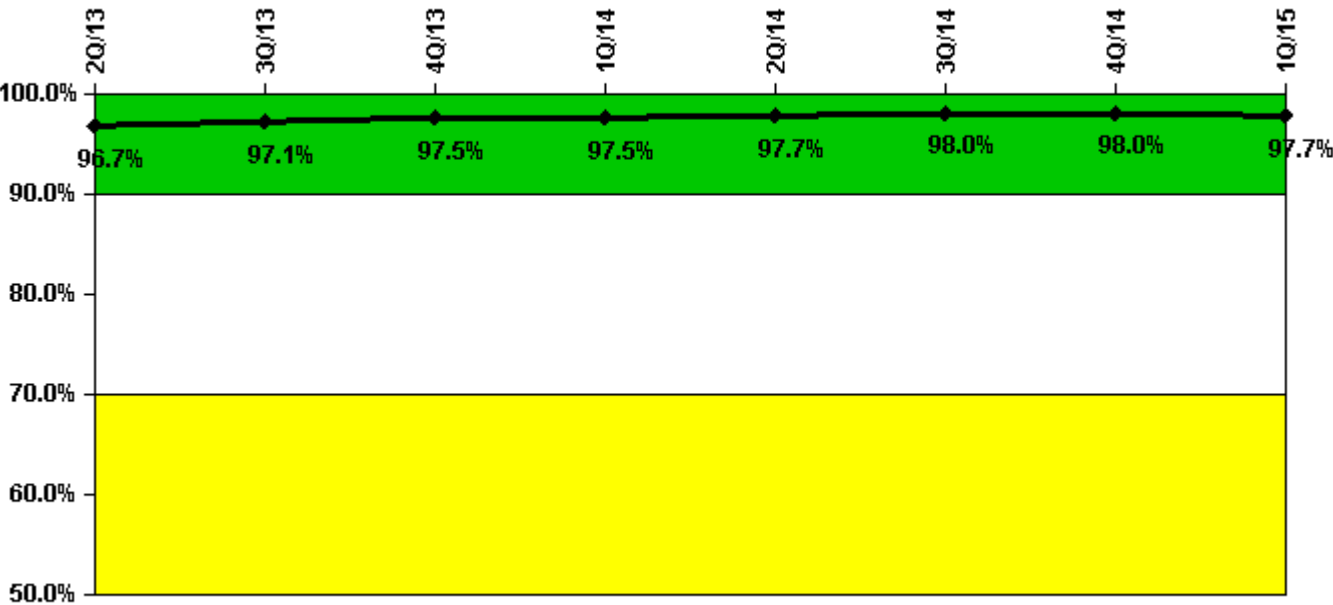
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.014	0.013	0.018	0.013	0.012	0.016	0.008	0.008	0.011	0.013	0.018	0.015
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2
Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.012	0.007	0.060	0.007	0.015	0.011	0.006	0.007	0.003	0.005	0.003	0.003
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.6	0.1	0.2	0.1	0.1	0.1	0	0.1	0	0

Licensee Comments: none

Drill/Exercise Performance



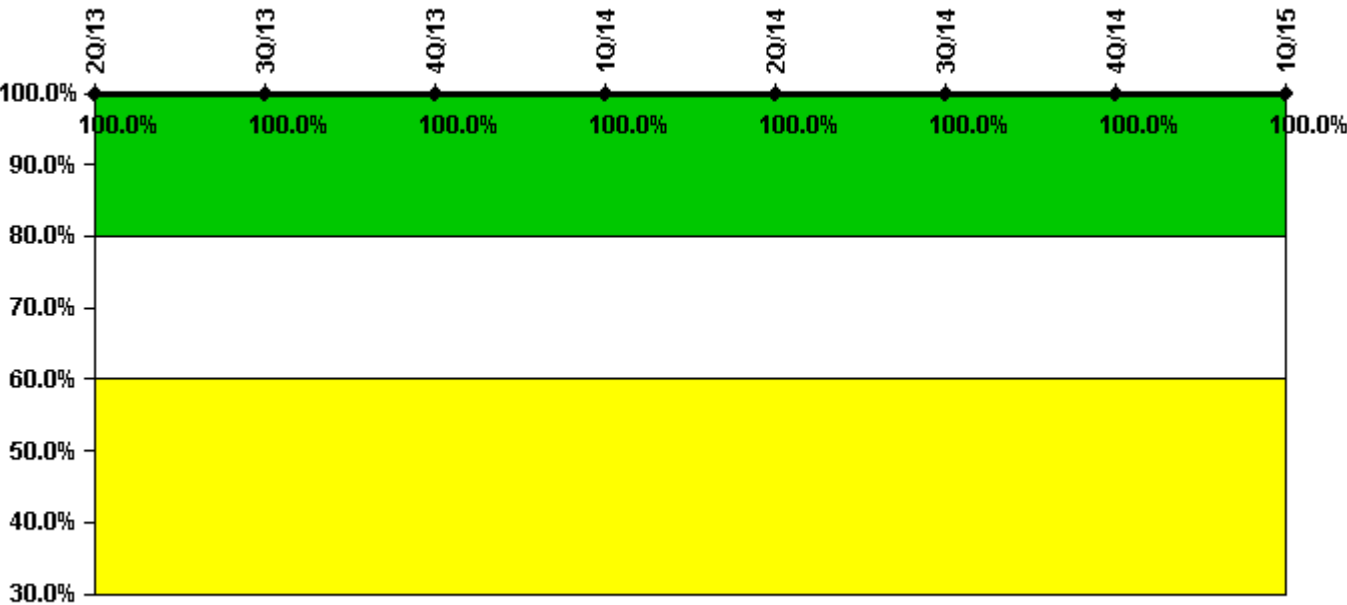
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	47.0	39.0	51.0	45.0	8.0	91.0	20.0	32.0
Total opportunities	50.0	41.0	51.0	46.0	8.0	92.0	20.0	33.0
Indicator value	96.7%	97.1%	97.5%	97.5%	97.7%	98.0%	98.0%	97.7%

Licensee Comments: none

ERO Drill Participation



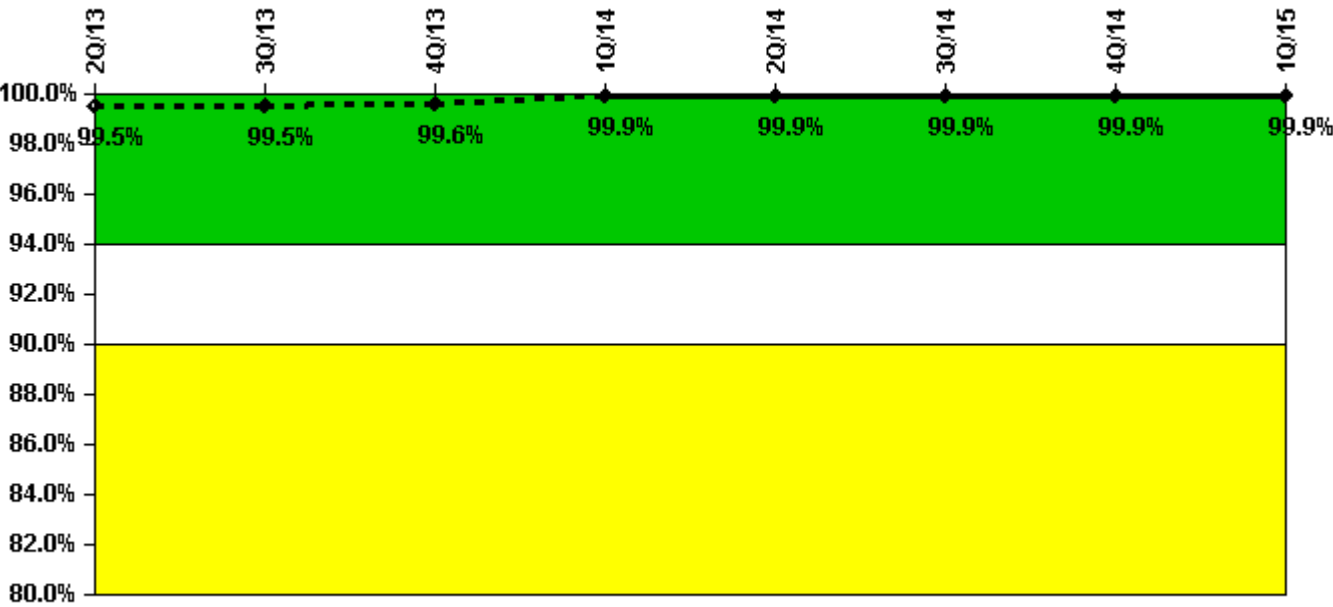
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	135.0	132.0	136.0	133.0	134.0	133.0	133.0	139.0
Total Key personnel	135.0	132.0	136.0	133.0	134.0	133.0	133.0	139.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



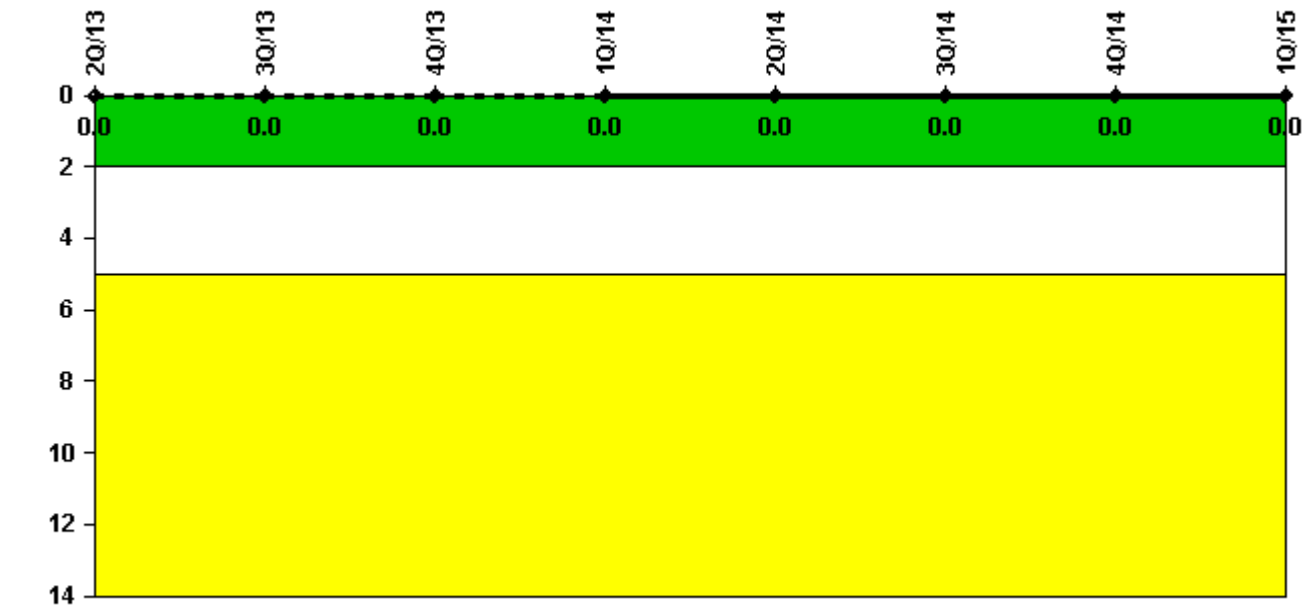
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	2399	2402	2491	2306	2402	2490	2402	2375
Total sirens-tests	2403	2403	2492	2314	2403	2492	2403	2379
Indicator value	99.5%	99.5%	99.6%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

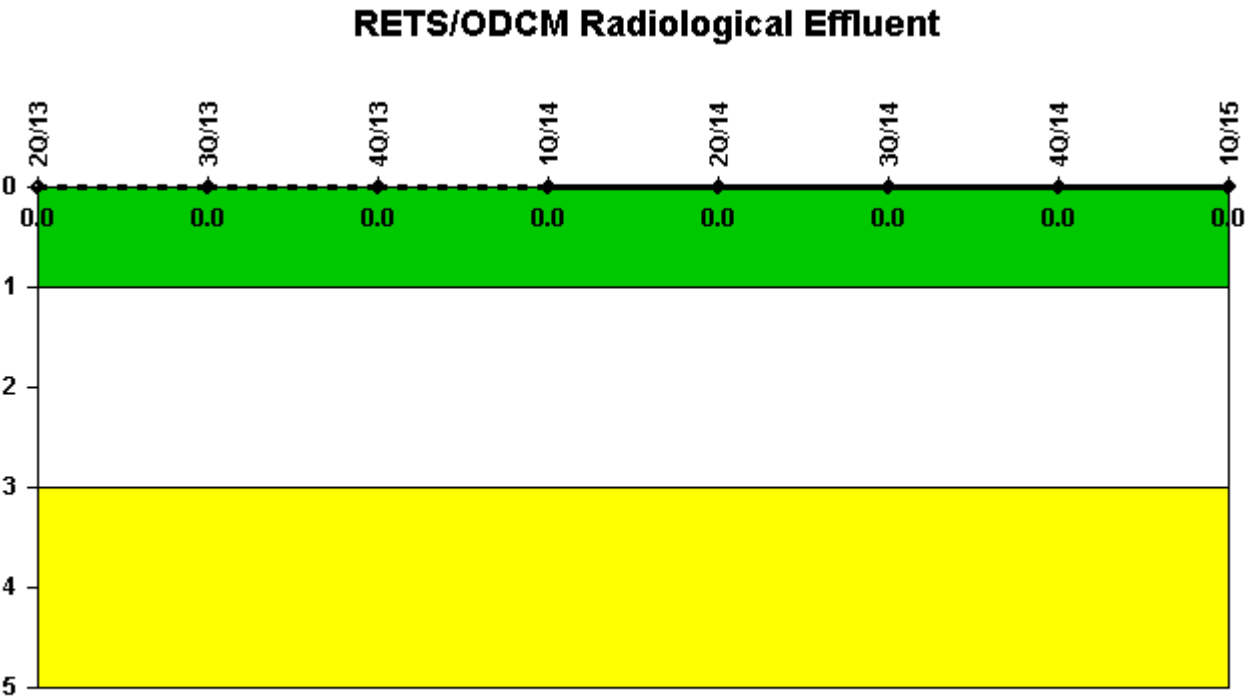


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/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	0	0	0	0	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

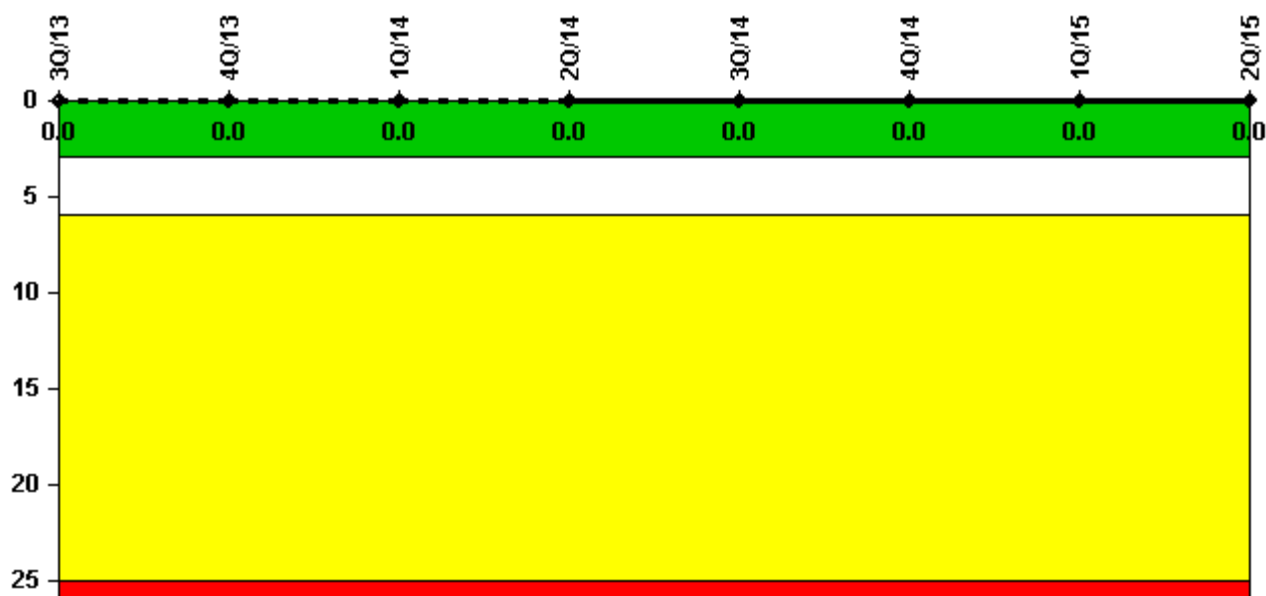
Catawba 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



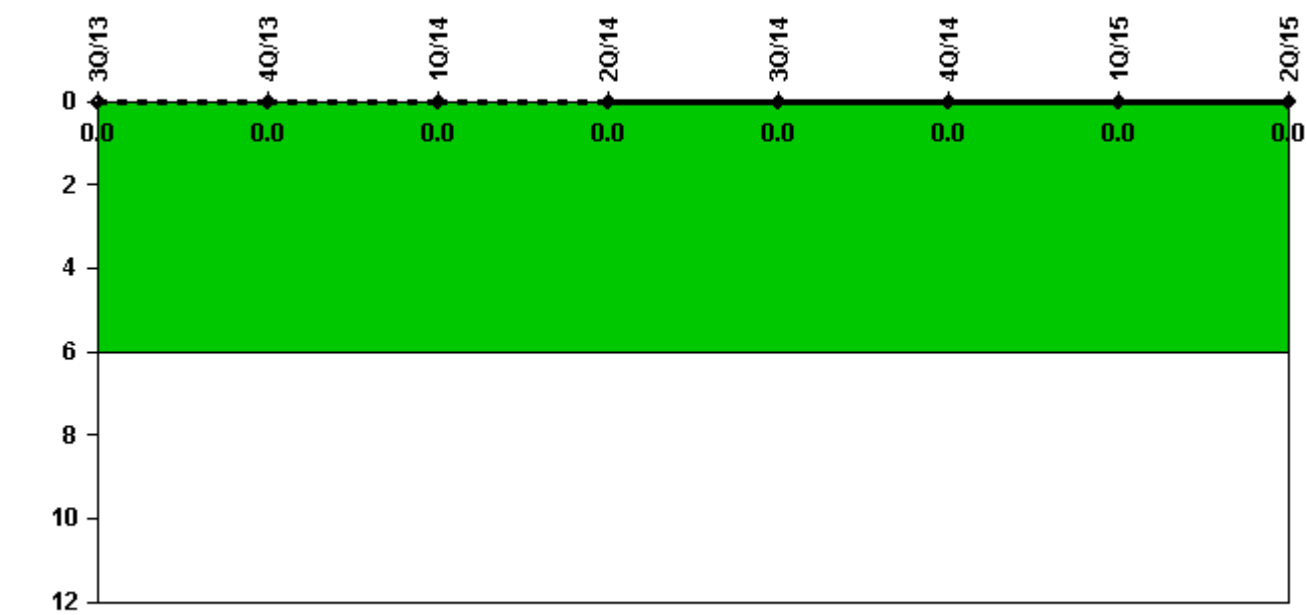
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1003.4	2208.0	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



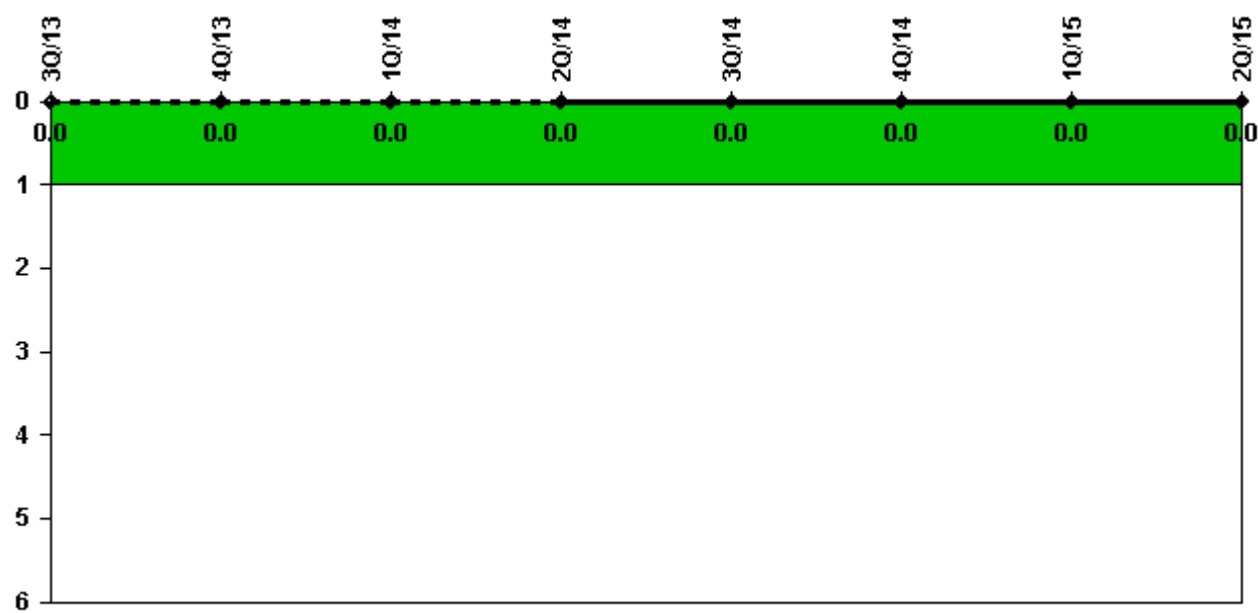
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1003.4	2208.0	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



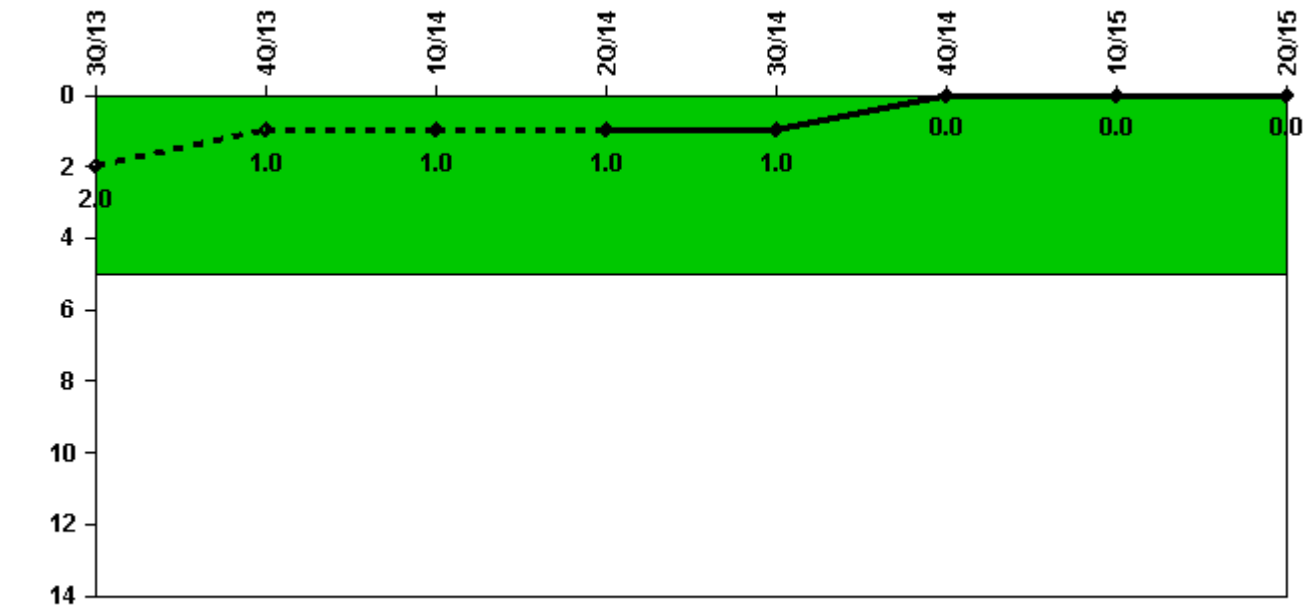
Thresholds: White > 1.0

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



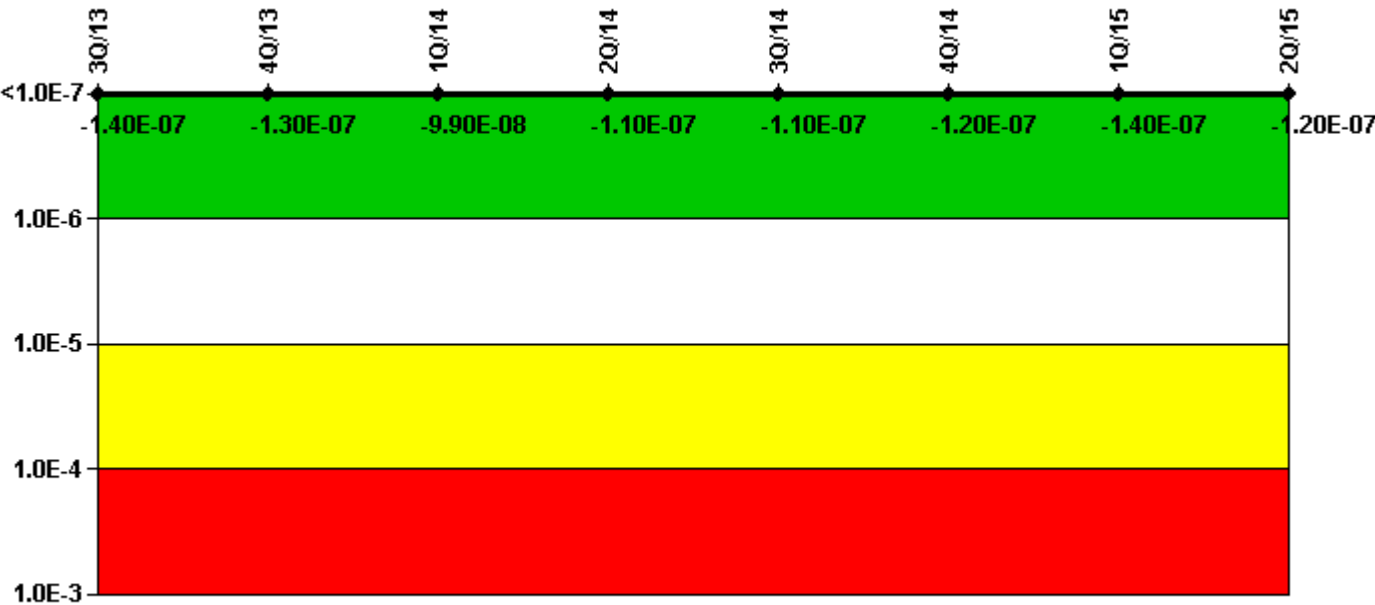
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	2	1	1	1	1	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

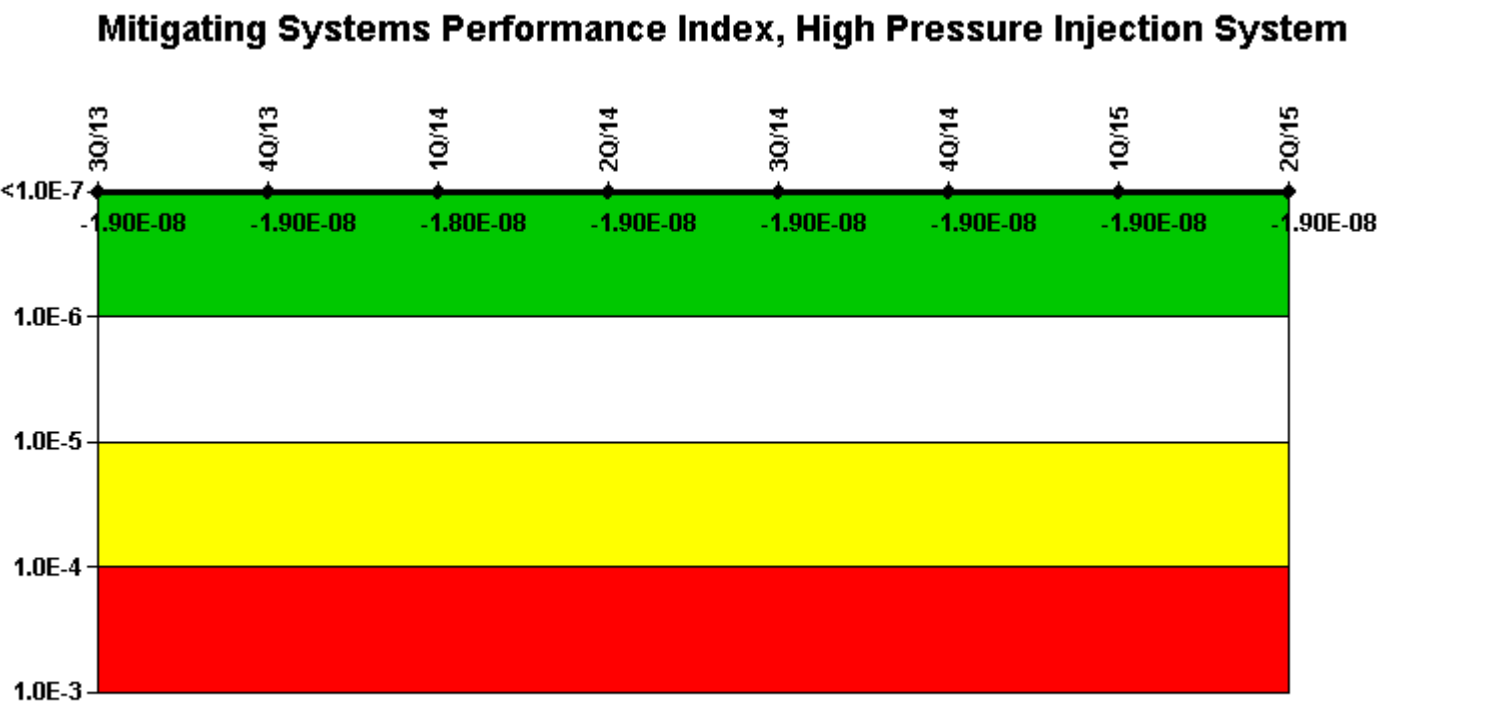


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	4.60E-08	4.92E-08	8.39E-08	6.83E-08	6.97E-08	6.42E-08	4.68E-08	6.18E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-1.30E-07	-9.90E-08	-1.10E-07	-1.10E-07	-1.20E-07	-1.40E-07	-1.20E-07

Licensee Comments: none



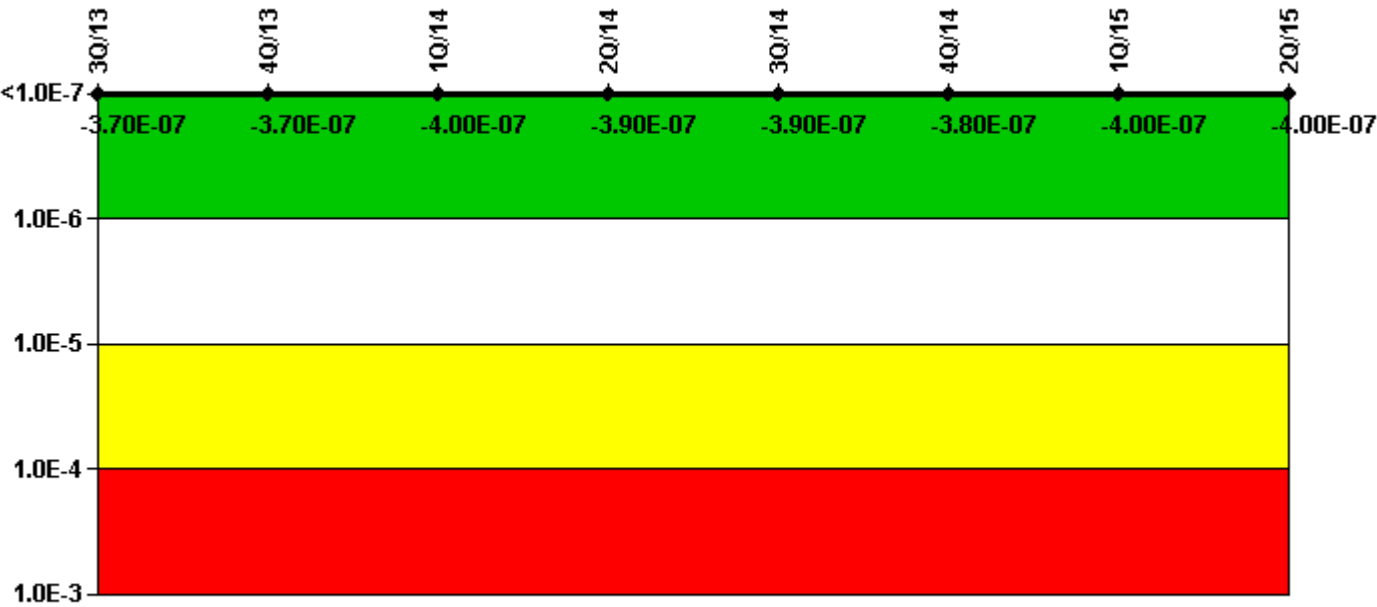
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	-7.78E-09	-6.96E-09	-6.70E-09	-7.78E-09	-7.78E-09	-7.73E-09	-7.73E-09	-7.71E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

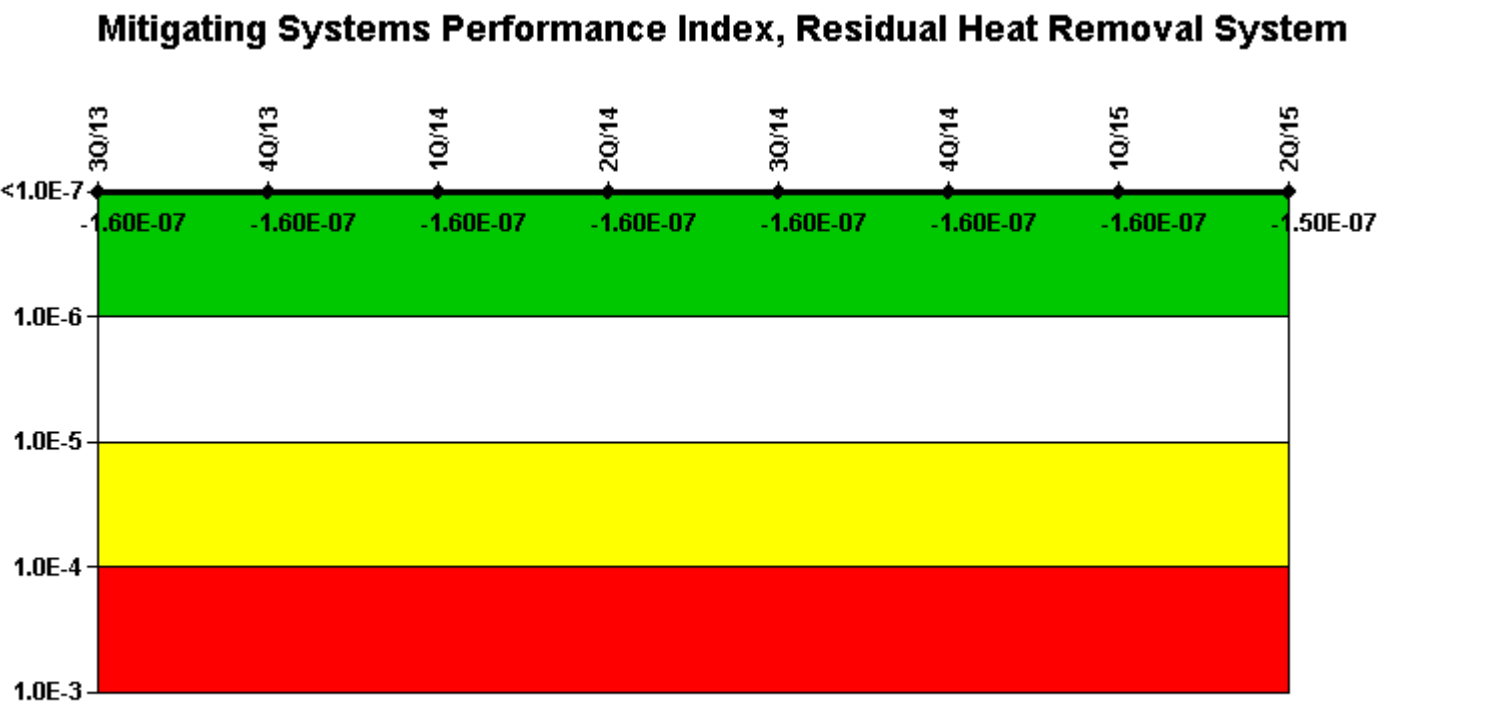


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	-1.40E-08	-1.47E-08	-4.56E-08	-3.35E-08	-3.76E-08	-3.16E-08	-4.45E-08	-4.44E-08
URI (ΔCDF)	-3.53E-07	-3.53E-07	-3.53E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-07	-3.70E-07	-4.00E-07	-3.90E-07	-3.90E-07	-3.80E-07	-4.00E-07	-4.00E-07

Licensee Comments: none



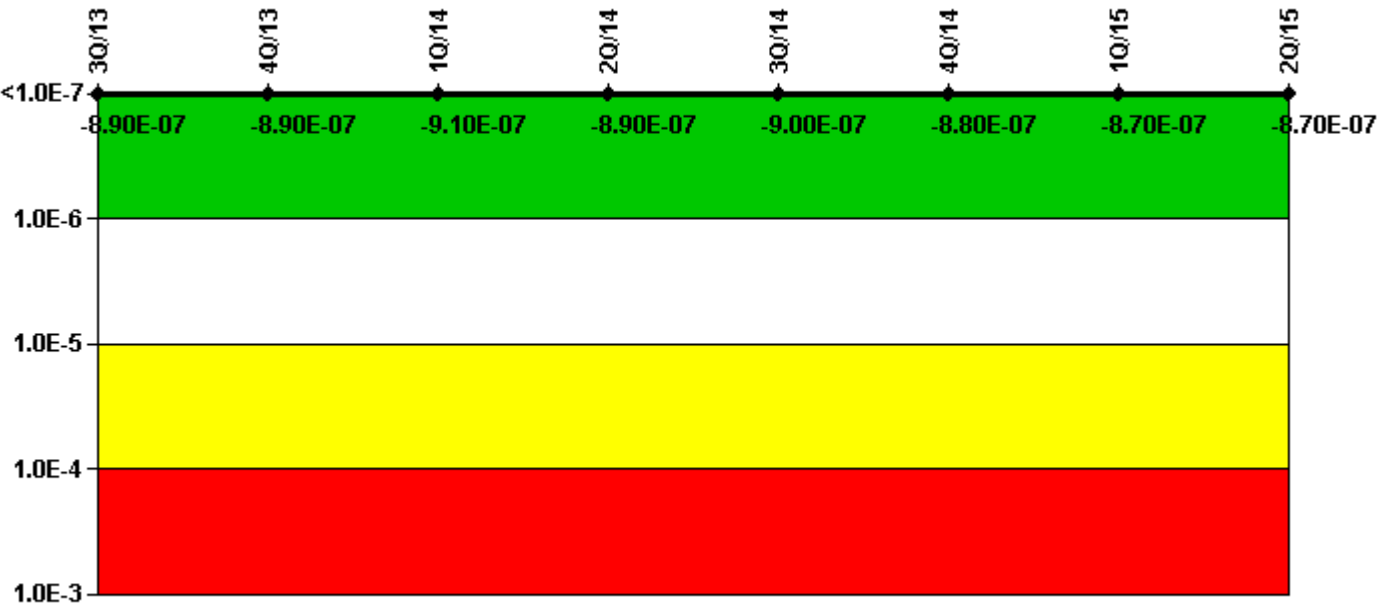
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-1.35E-08	-1.35E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.05E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



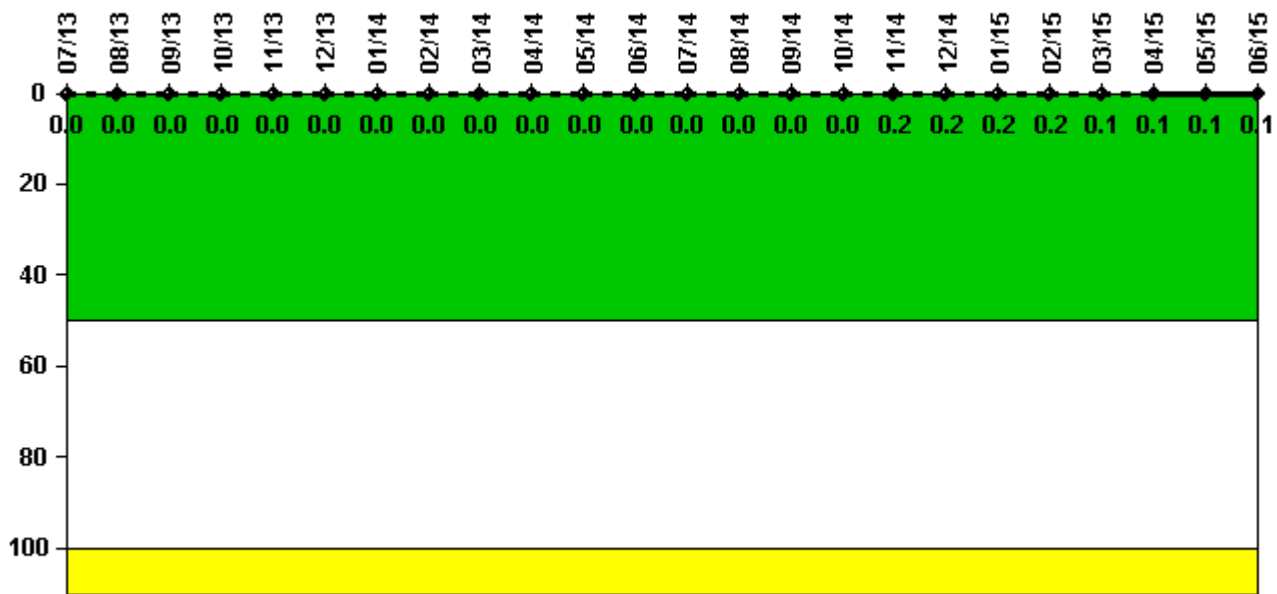
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	-4.38E-07	-4.38E-07	-4.64E-07	-4.45E-07	-4.53E-07	-4.36E-07	-4.27E-07	-4.18E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-07	-8.90E-07	-9.10E-07	-8.90E-07	-9.00E-07	-8.80E-07	-8.70E-07	-8.70E-07

Licensee Comments: none

Reactor Coolant System Activity



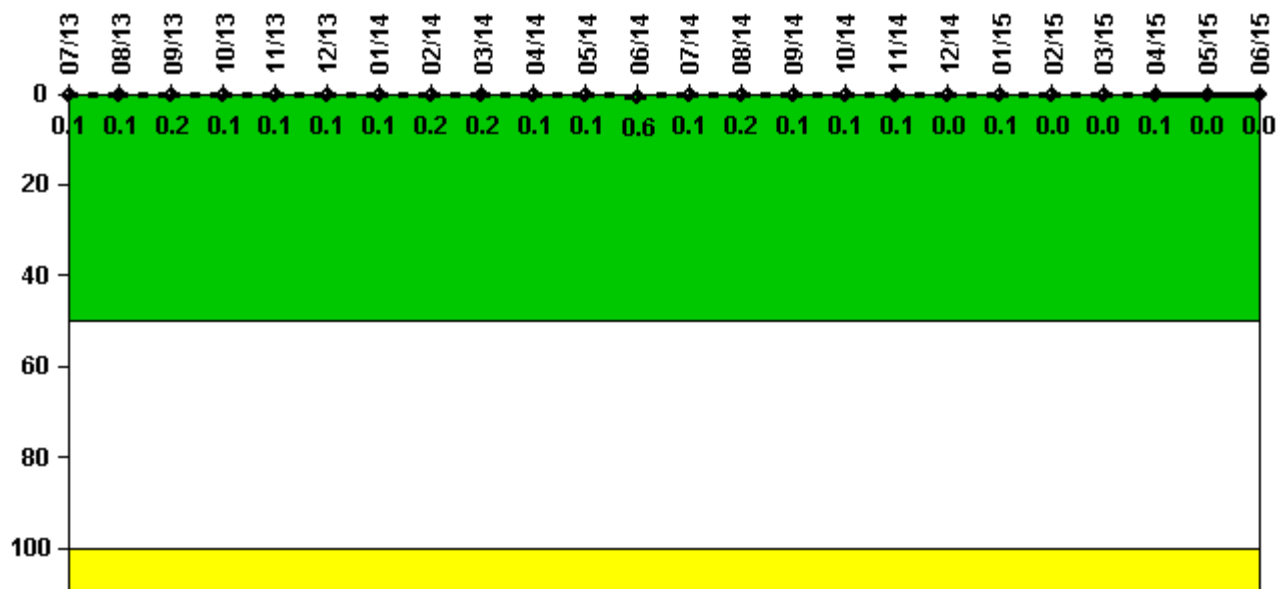
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000146	0.000079	0.000079	0.000091	0.000090	0.000088	0.000098	0.000102	0.000109	0.000126	0.000158	0.000009
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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	0.000054	0.000037	0.000068	0.000049	0.000774	0.000856	0.000841	0.000705	0.000482	0.000622	0.000570	0.000299
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



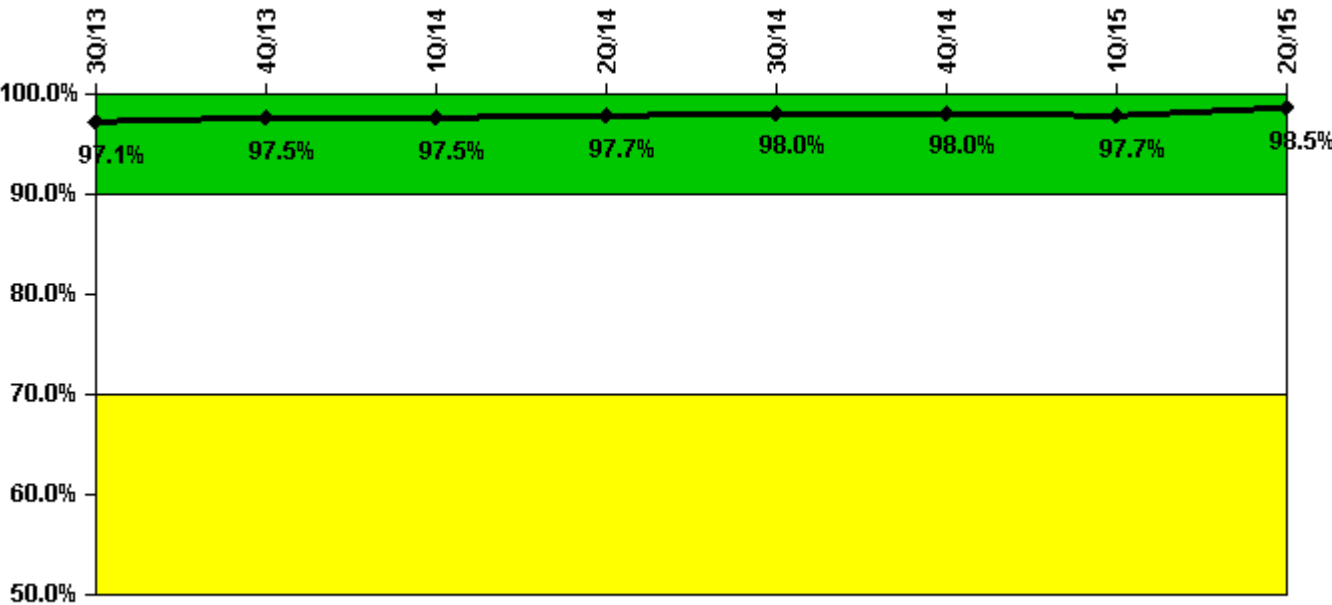
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.013	0.012	0.016	0.008	0.008	0.011	0.013	0.018	0.015	0.012	0.007	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.6
Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.007	0.015	0.011	0.006	0.007	0.003	0.005	0.003	0.003	0.005	0.003	0.003
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.1	0.1	0.1	0	0.1	0	0	0.1	0	0

Licensee Comments: none

Drill/Exercise Performance



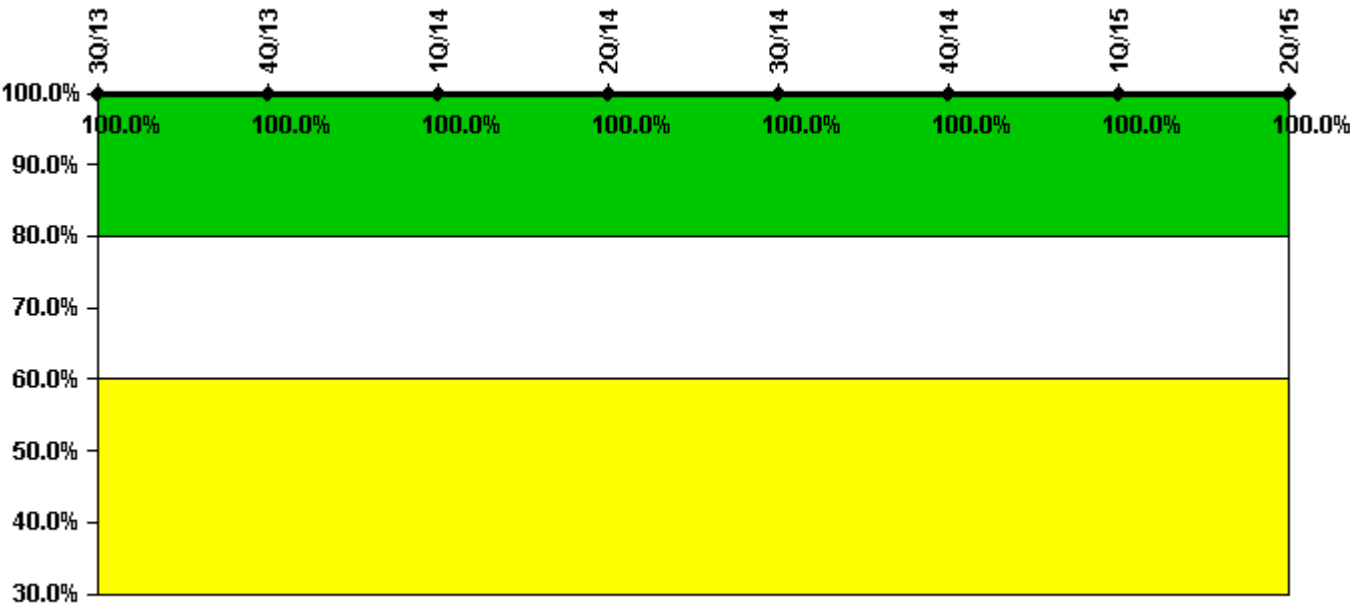
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	39.0	51.0	45.0	8.0	91.0	20.0	32.0	37.0
Total opportunities	41.0	51.0	46.0	8.0	92.0	20.0	33.0	37.0
Indicator value	97.1%	97.5%	97.5%	97.7%	98.0%	98.0%	97.7%	98.5%

Licensee Comments: none

ERO Drill Participation



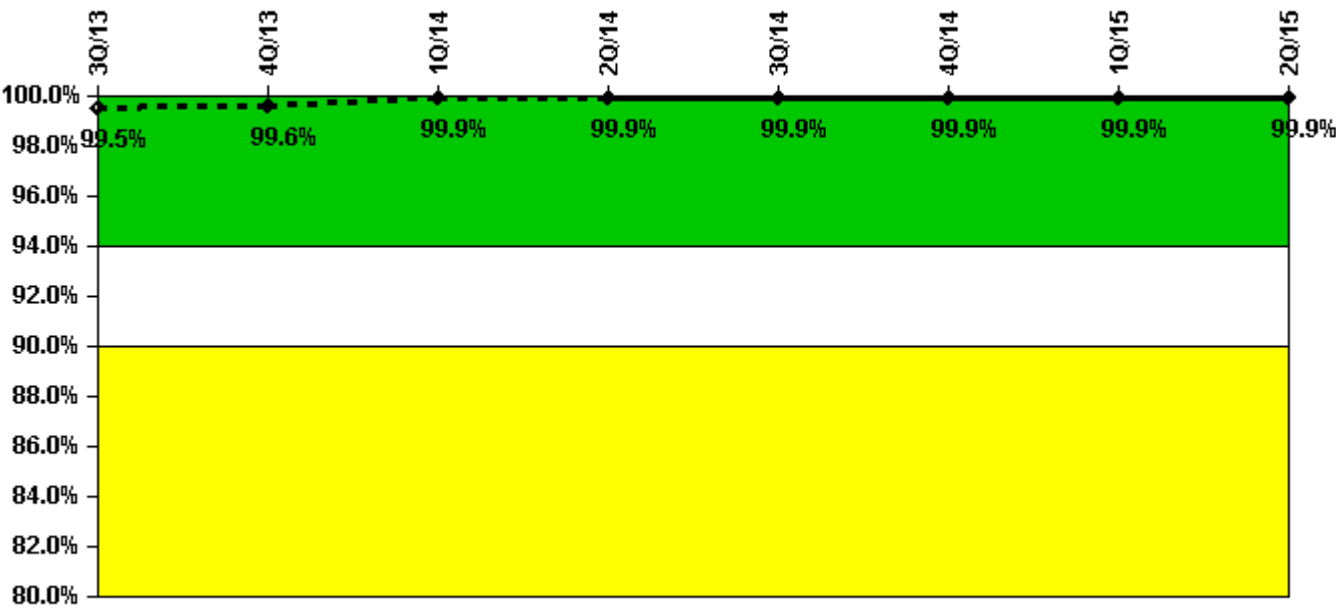
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	132.0	136.0	133.0	134.0	133.0	133.0	139.0	130.0
Total Key personnel	132.0	136.0	133.0	134.0	133.0	133.0	139.0	130.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



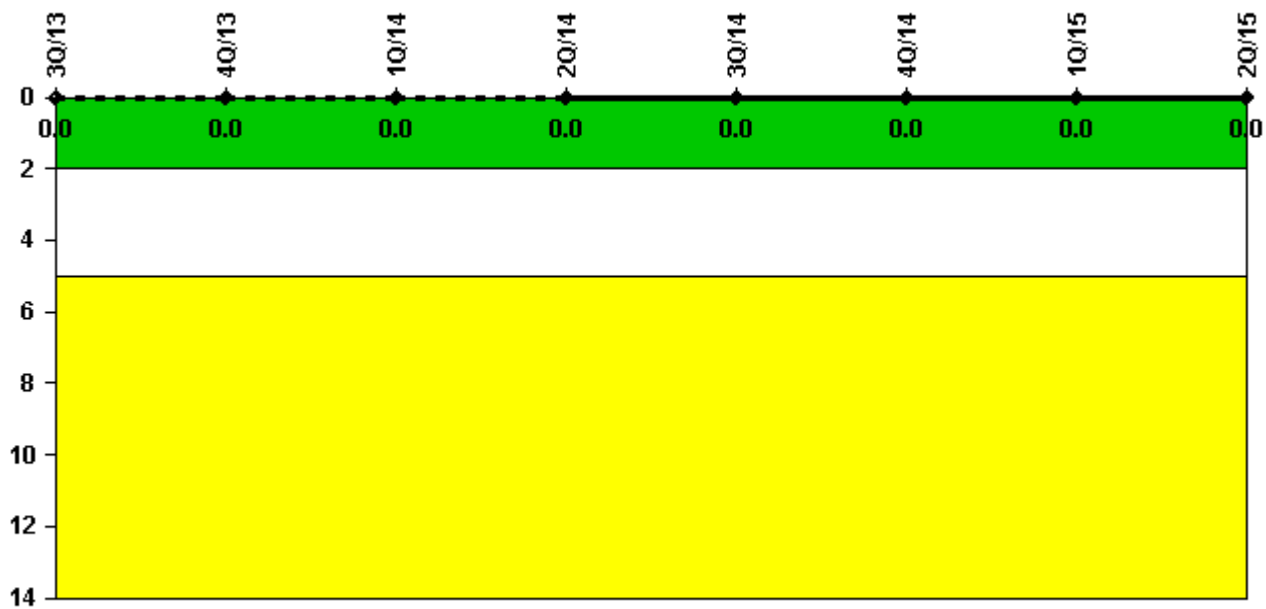
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	2402	2491	2306	2402	2490	2402	2375	2402
Total sirens-tests	2403	2492	2314	2403	2492	2403	2379	2403
Indicator value	99.5%	99.6%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

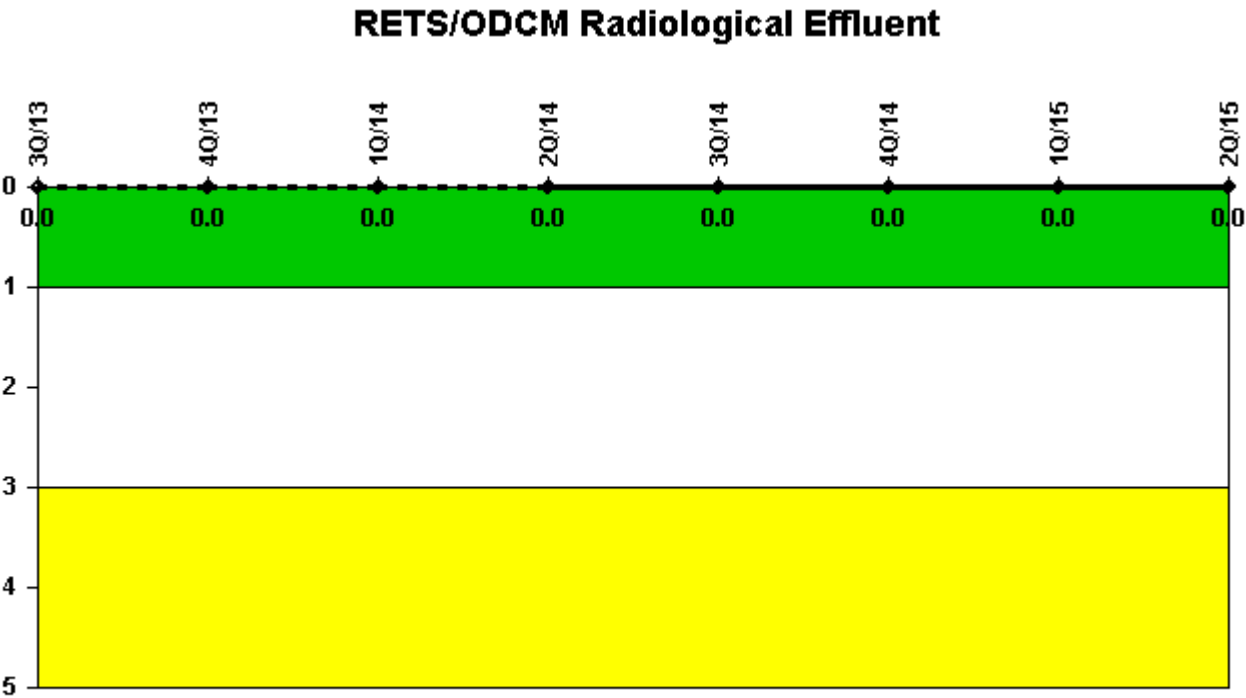


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	0	0	0	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

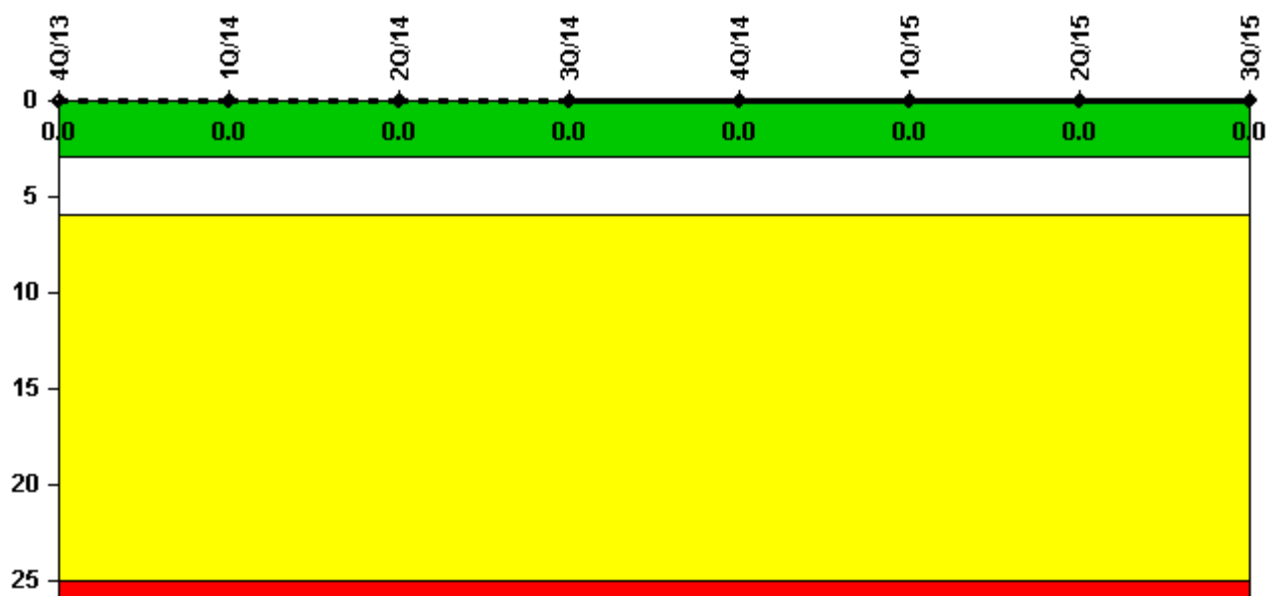
Catawba 1

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



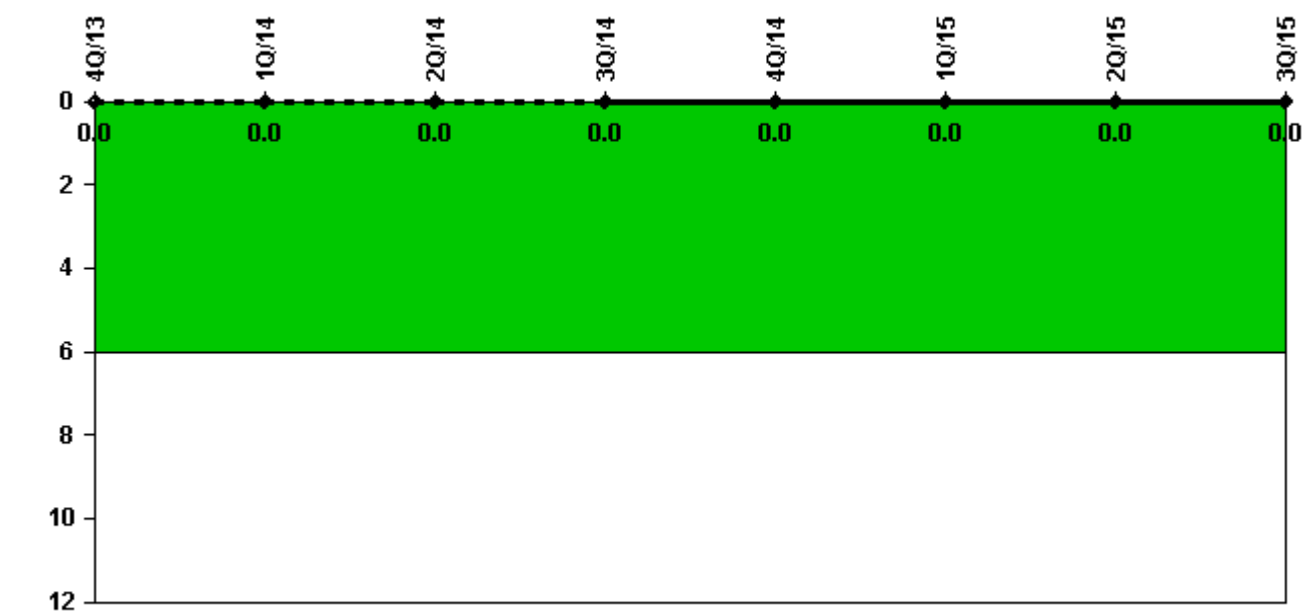
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0
Critical hours	2209.0	2159.0	1003.4	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



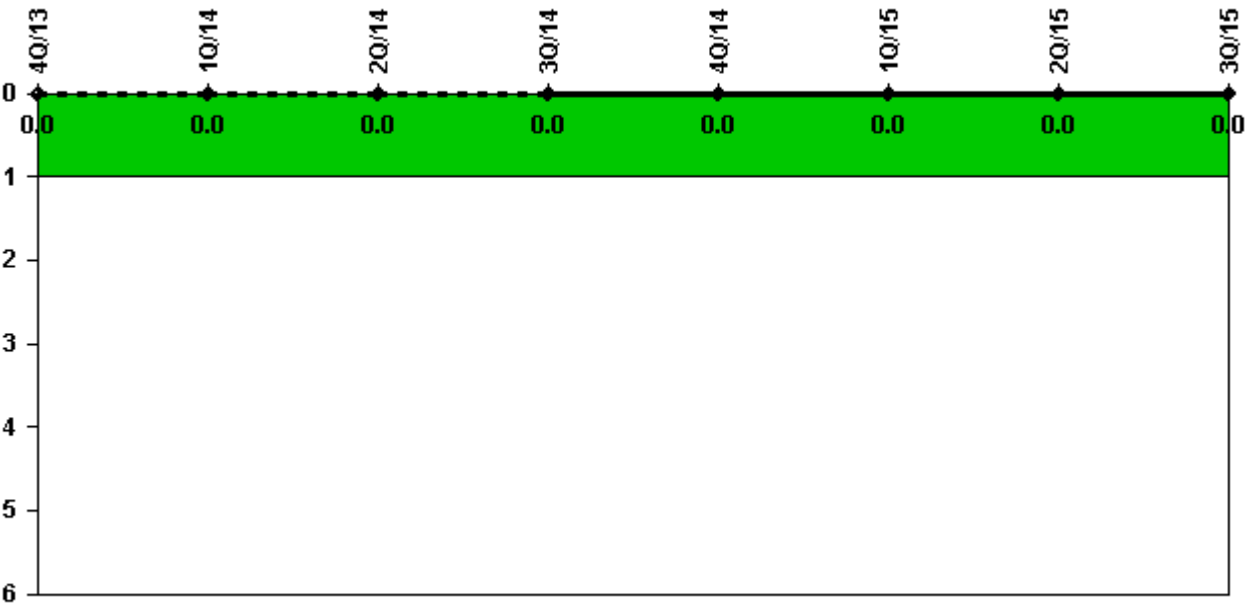
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1003.4	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



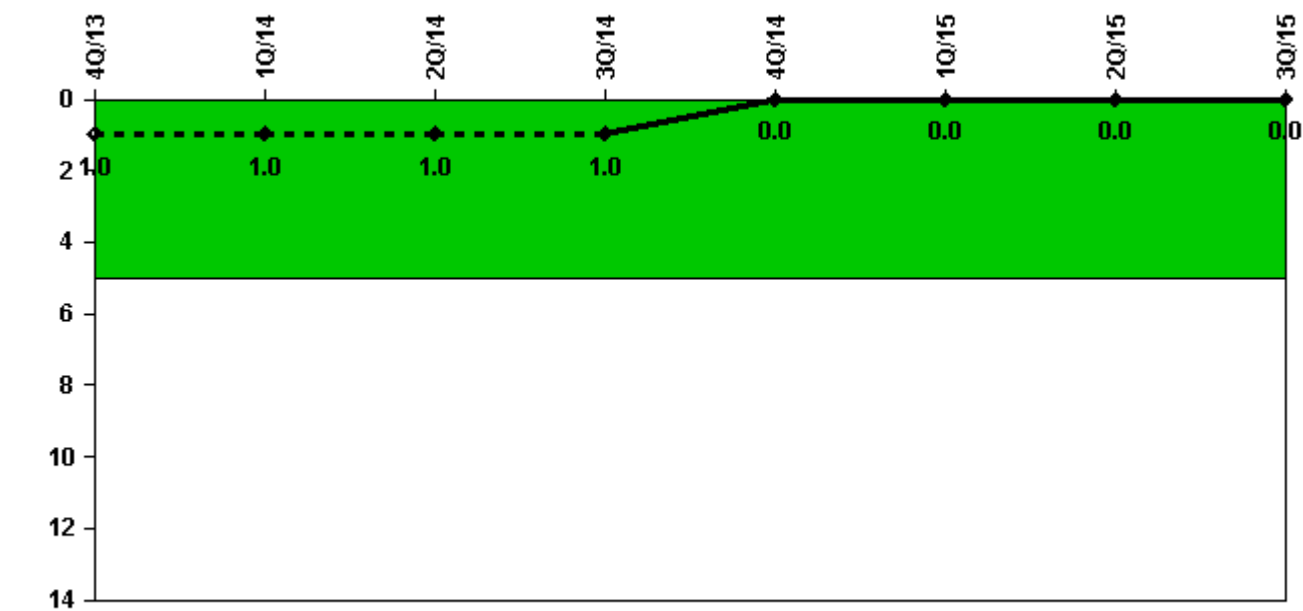
Thresholds: White > 1.0

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



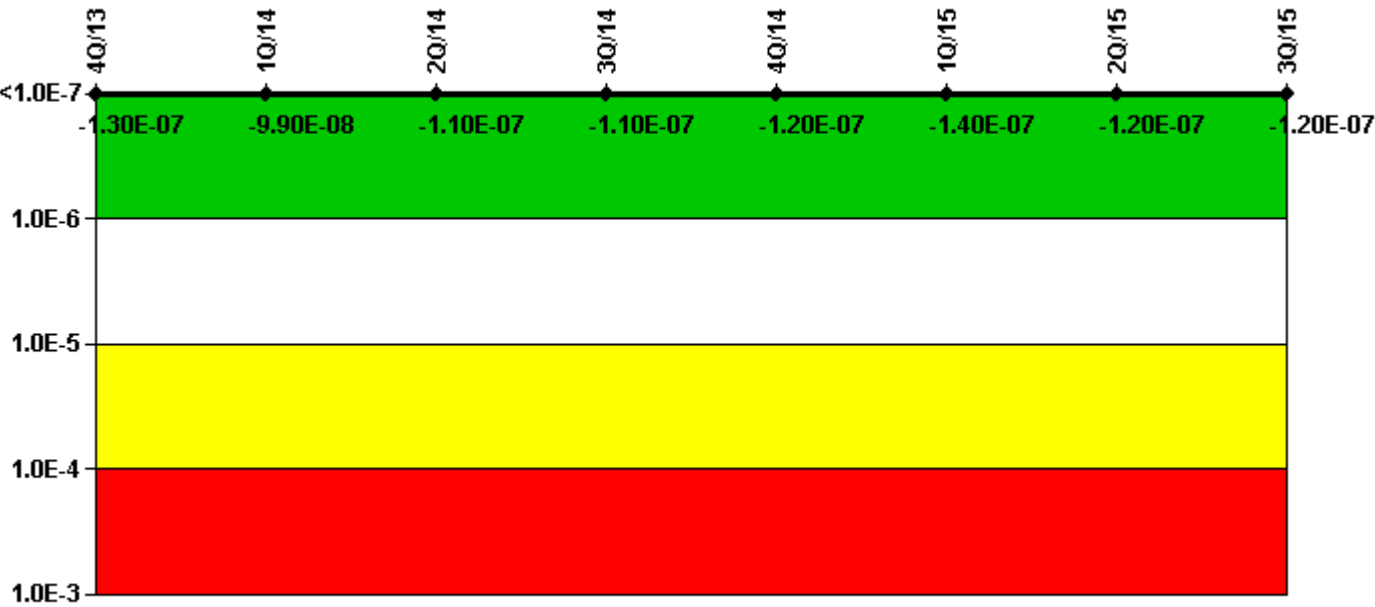
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	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

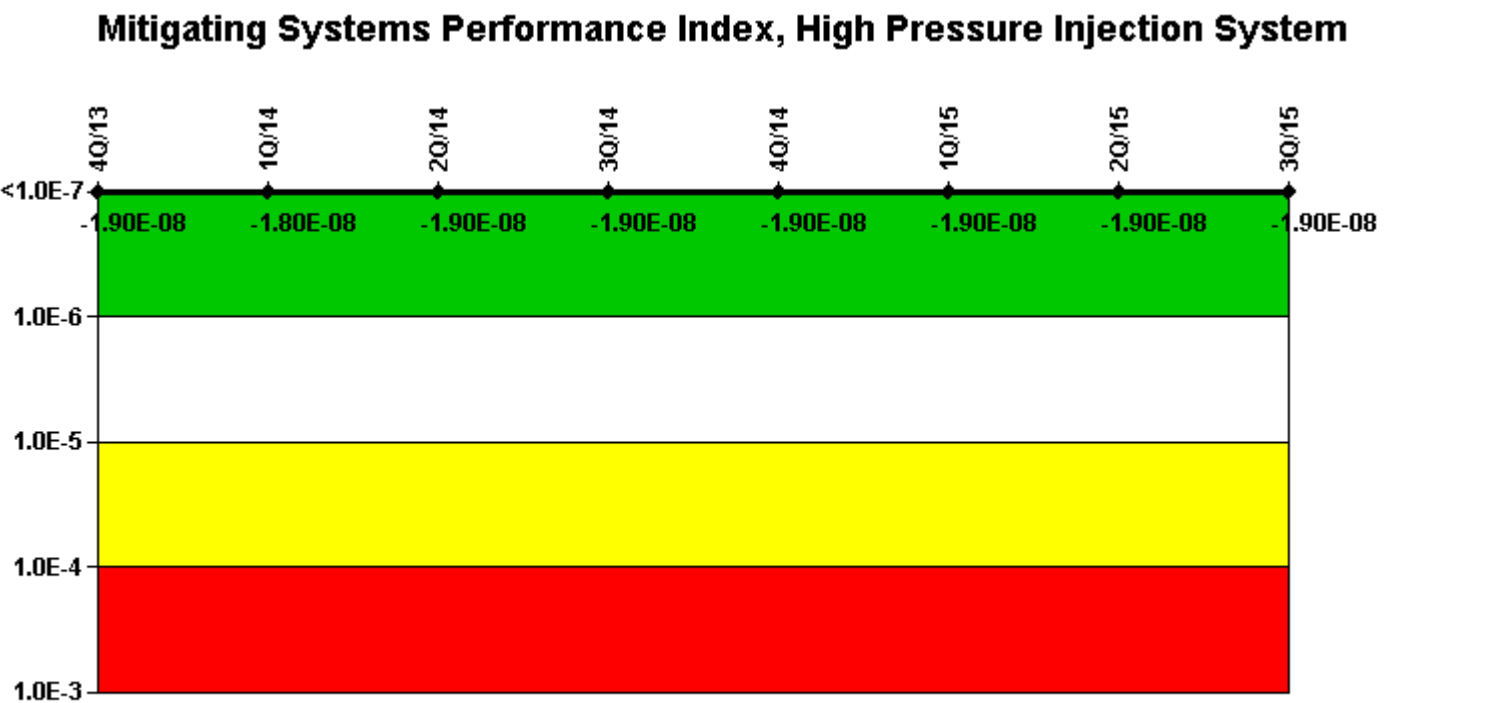


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (ΔCDF)	4.92E-08	8.39E-08	6.83E-08	6.97E-08	6.42E-08	4.68E-08	6.18E-08	5.88E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-9.90E-08	-1.10E-07	-1.10E-07	-1.20E-07	-1.40E-07	-1.20E-07	-1.20E-07

Licensee Comments: none



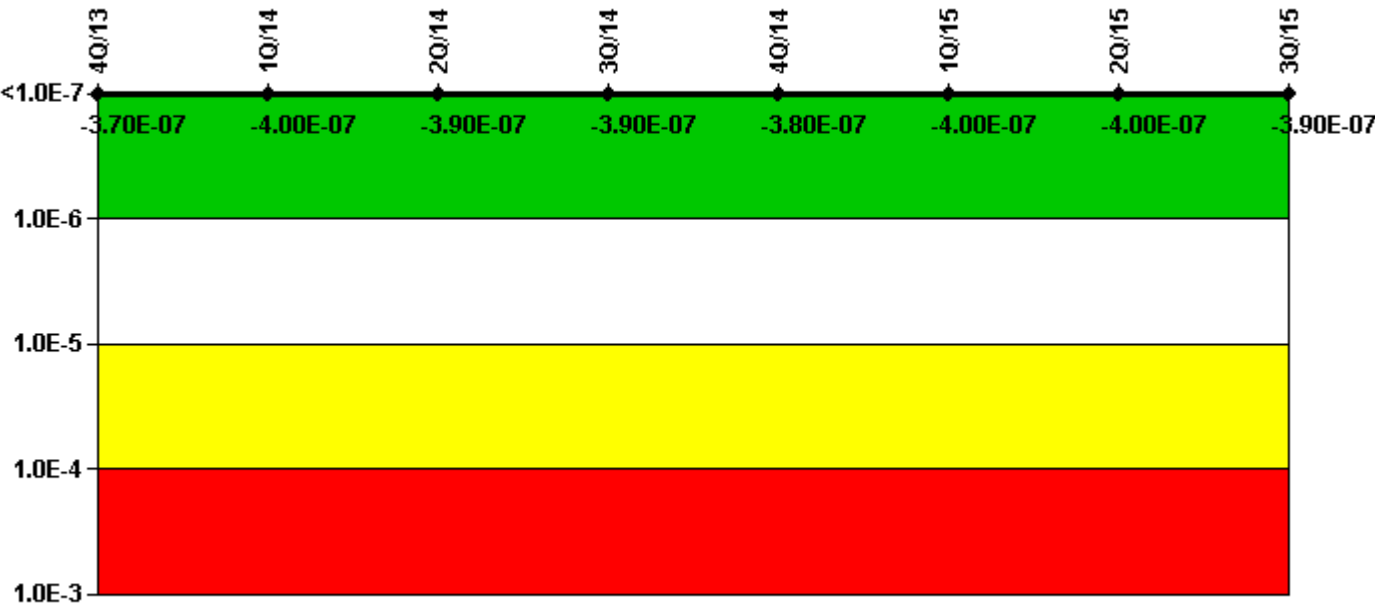
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (ΔCDF)	-6.96E-09	-6.70E-09	-7.78E-09	-7.78E-09	-7.73E-09	-7.73E-09	-7.71E-09	-7.67E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

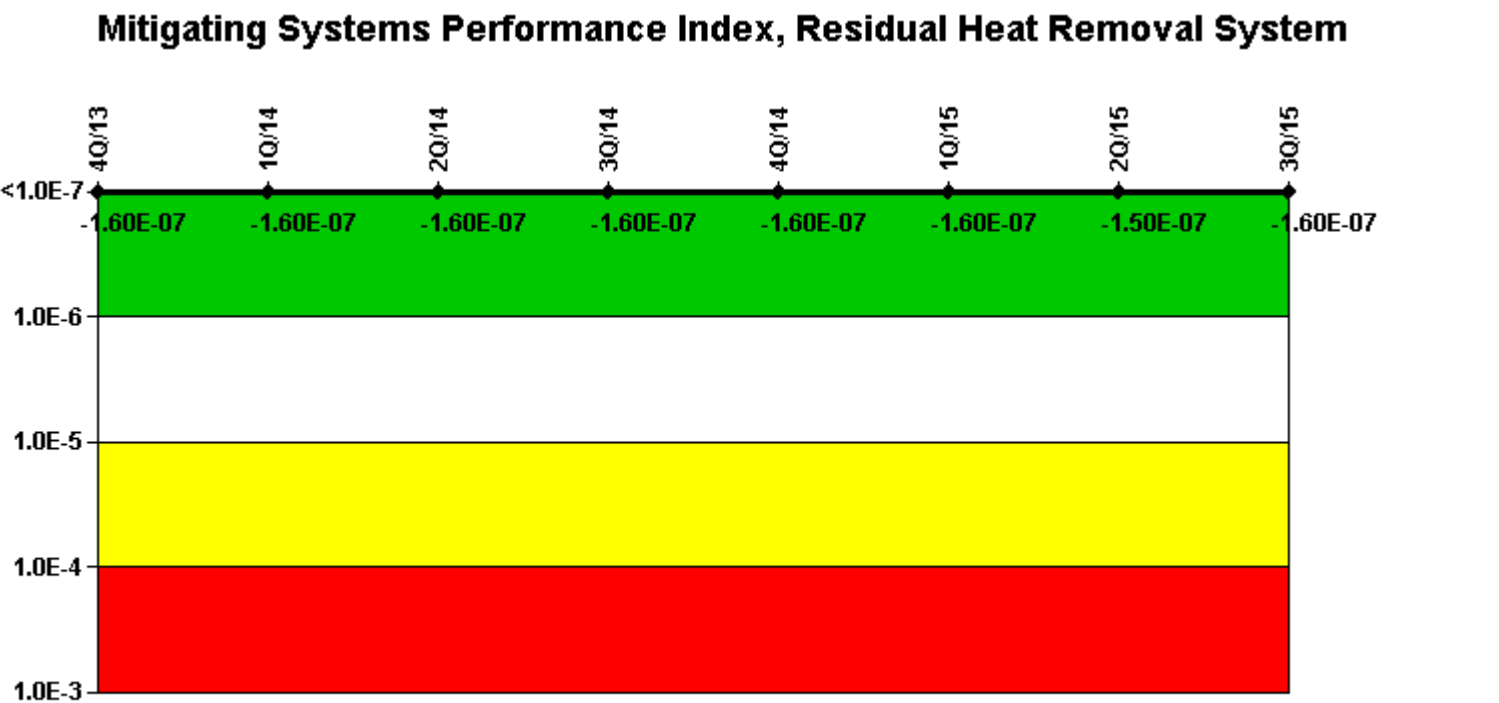


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (ΔCDF)	-1.47E-08	-4.56E-08	-3.35E-08	-3.76E-08	-3.16E-08	-4.45E-08	-4.44E-08	-3.31E-08
URI (ΔCDF)	-3.53E-07	-3.53E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-07	-4.00E-07	-3.90E-07	-3.90E-07	-3.80E-07	-4.00E-07	-4.00E-07	-3.90E-07

Licensee Comments: none



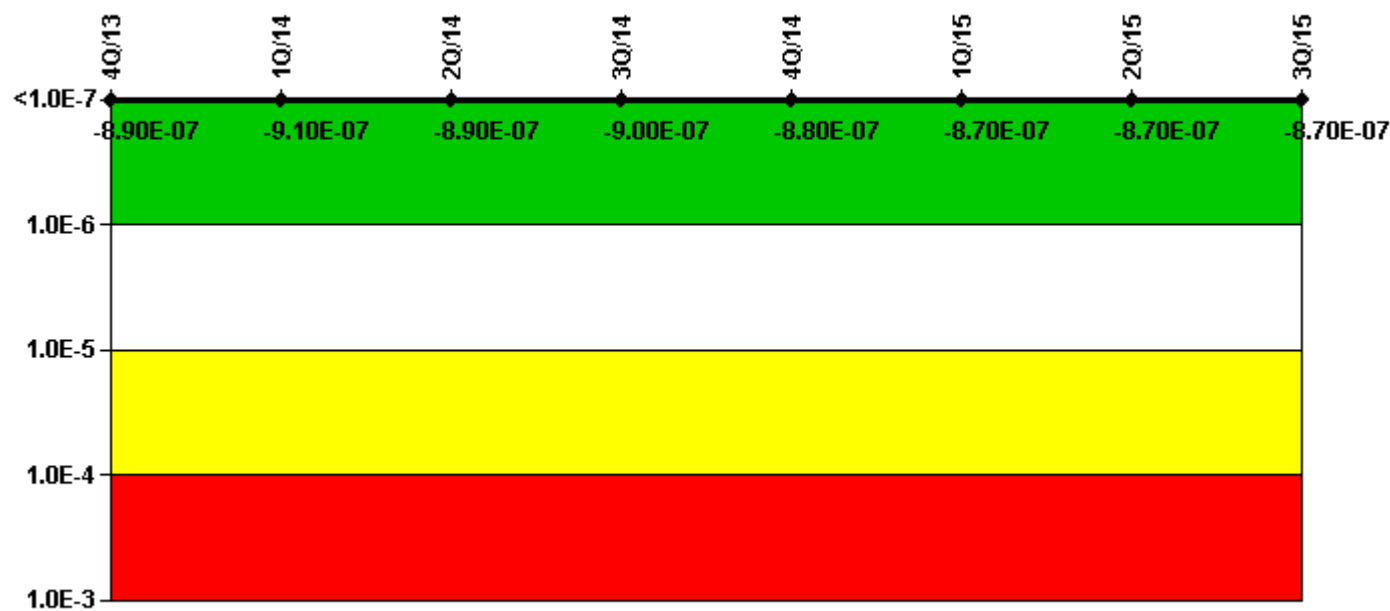
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	-1.35E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.05E-08	-1.58E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



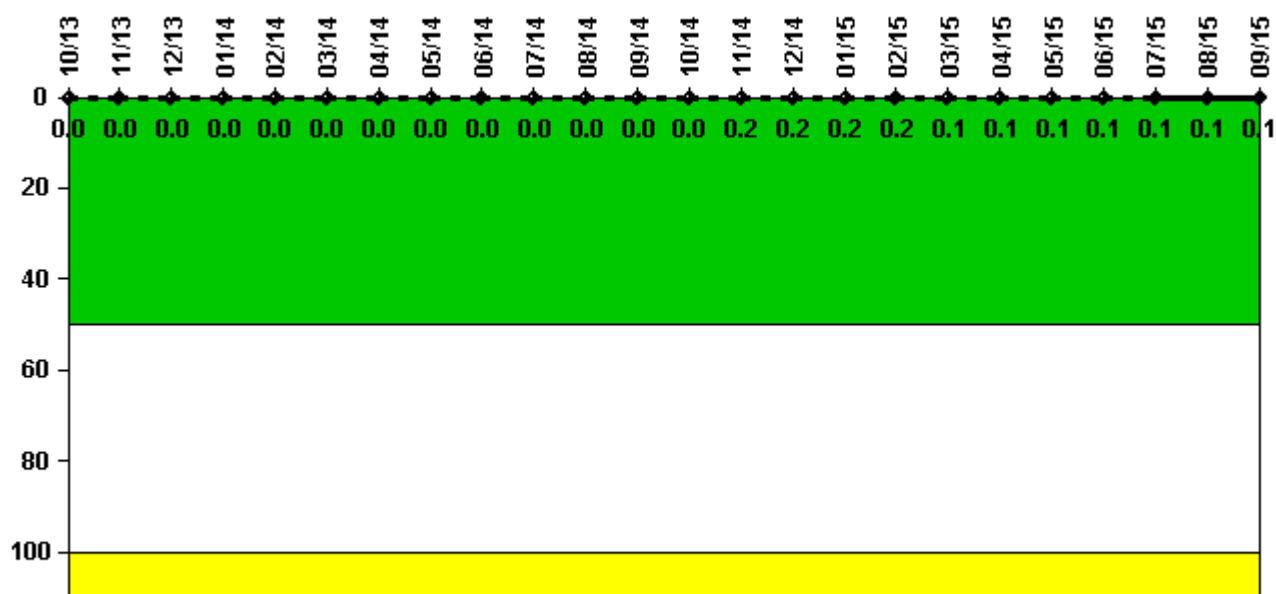
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (ΔCDF)	-4.38E-07	-4.64E-07	-4.45E-07	-4.53E-07	-4.36E-07	-4.27E-07	-4.18E-07	-4.18E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-07	-9.10E-07	-8.90E-07	-9.00E-07	-8.80E-07	-8.70E-07	-8.70E-07	-8.70E-07

Licensee Comments: none

Reactor Coolant System Activity



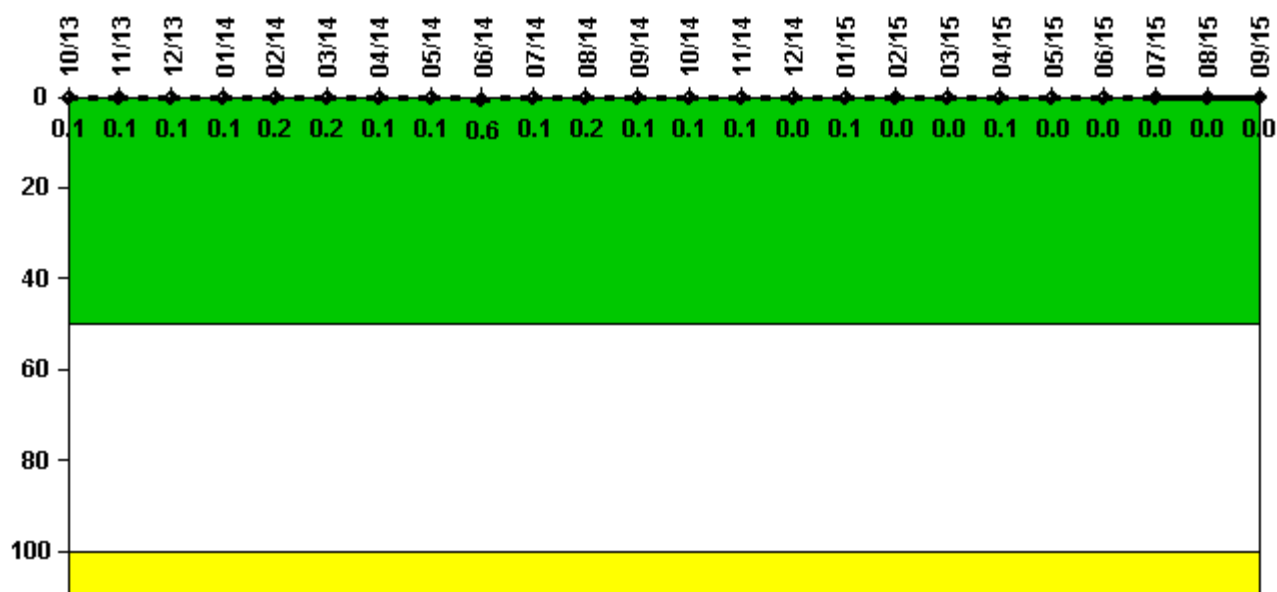
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.000091	0.000090	0.000088	0.000098	0.000102	0.000109	0.000126	0.000158	0.000009	0.000054	0.000037	0.000068
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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	0.000049	0.000774	0.000856	0.000841	0.000705	0.000482	0.000622	0.000570	0.000299	0.000371	0.000323	0.000418
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



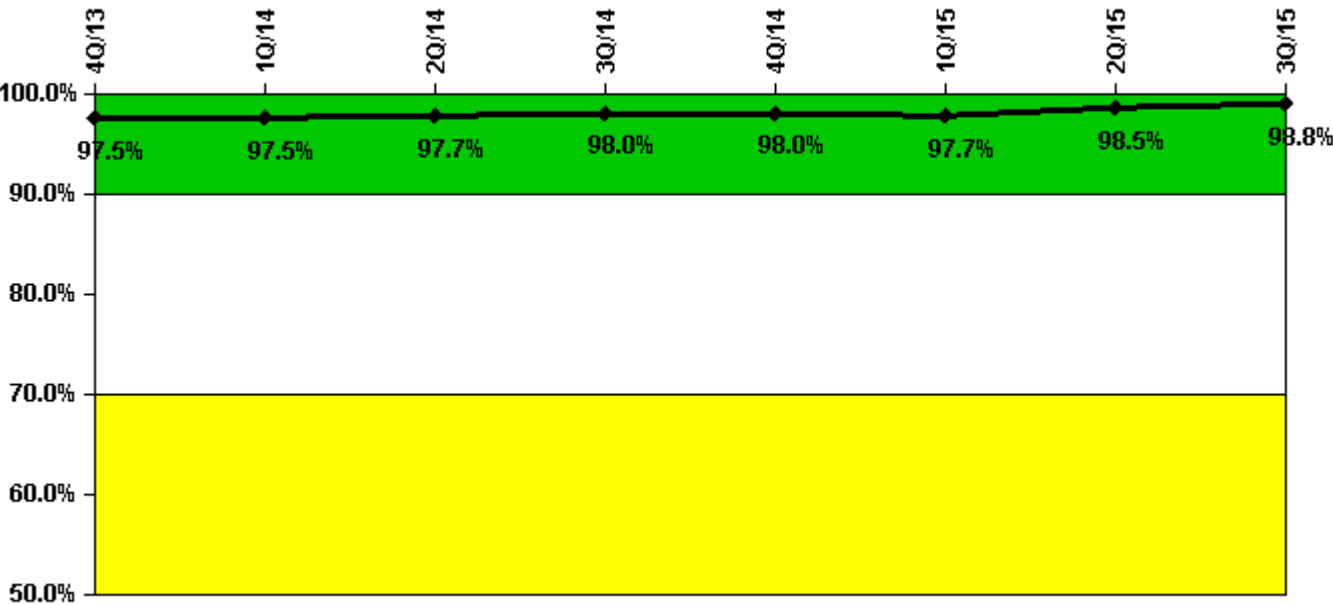
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.008	0.008	0.011	0.013	0.018	0.015	0.012	0.007	0.060	0.007	0.015	0.011
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.6	0.1	0.2	0.1
Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.006	0.007	0.003	0.005	0.003	0.003	0.005	0.003	0.003	0.004	0.004	0.003
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0	0.1	0	0	0.1	0	0	0	0	0

Licensee Comments: none

Drill/Exercise Performance



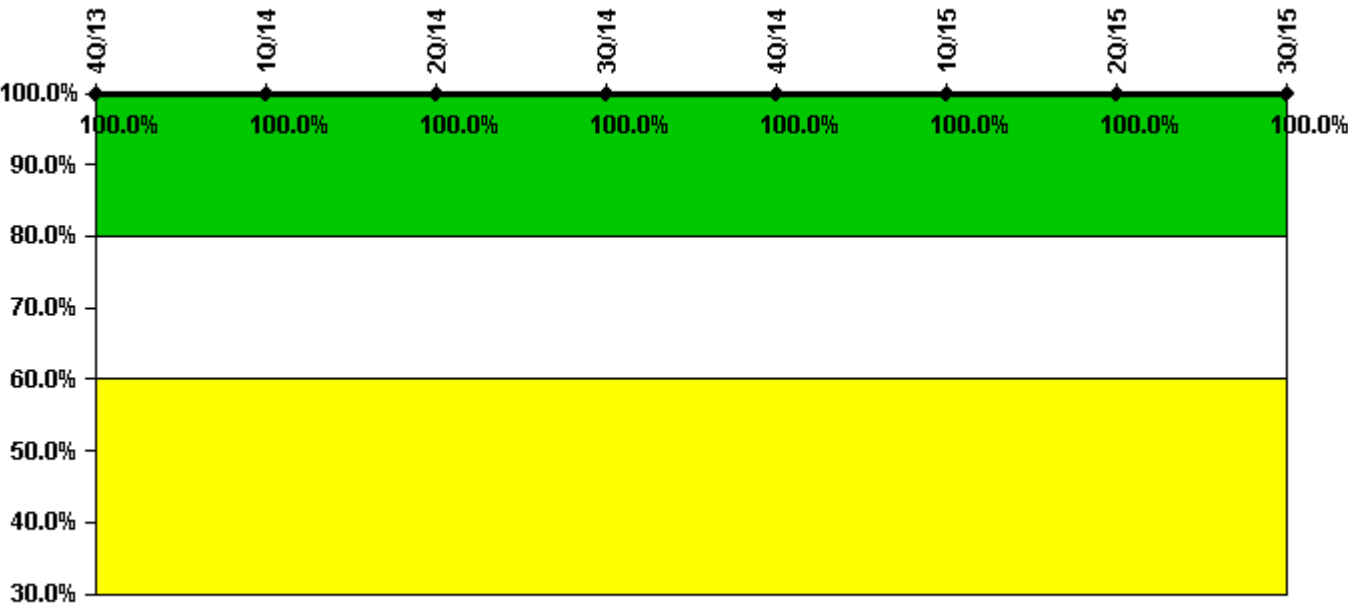
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	51.0	45.0	8.0	91.0	20.0	32.0	37.0	44.0
Total opportunities	51.0	46.0	8.0	92.0	20.0	33.0	37.0	45.0
Indicator value	97.5%	97.5%	97.7%	98.0%	98.0%	97.7%	98.5%	98.8%

Licensee Comments: none

ERO Drill Participation



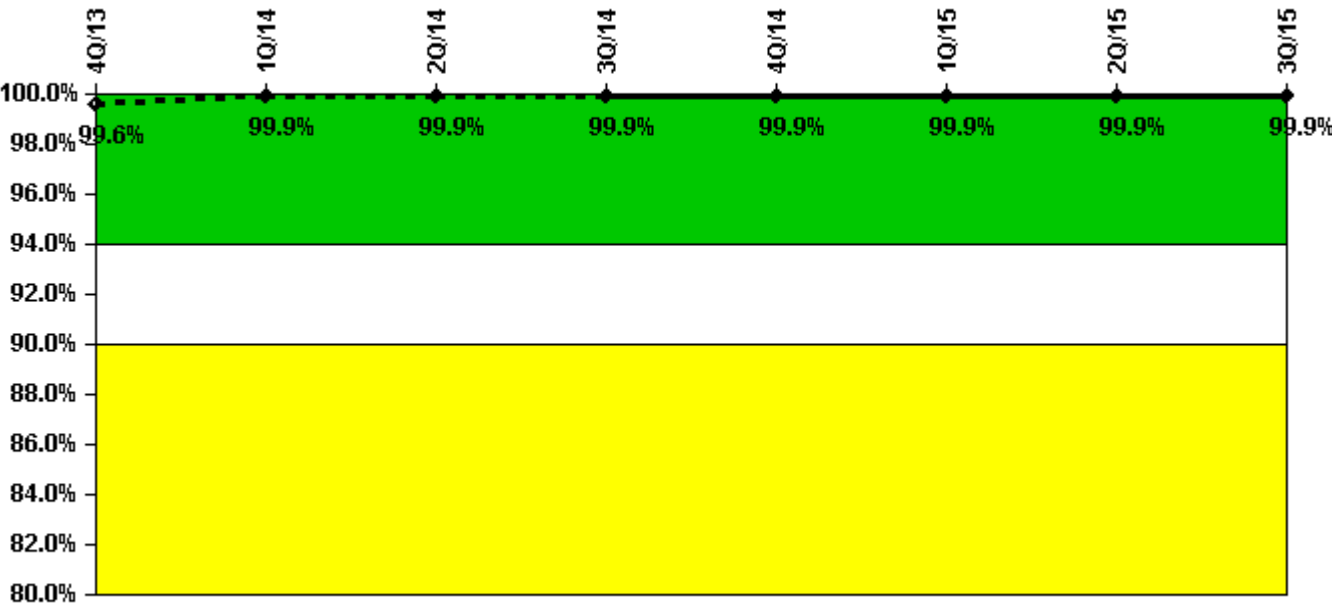
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	136.0	133.0	134.0	133.0	133.0	139.0	130.0	125.0
Total Key personnel	136.0	133.0	134.0	133.0	133.0	139.0	130.0	125.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



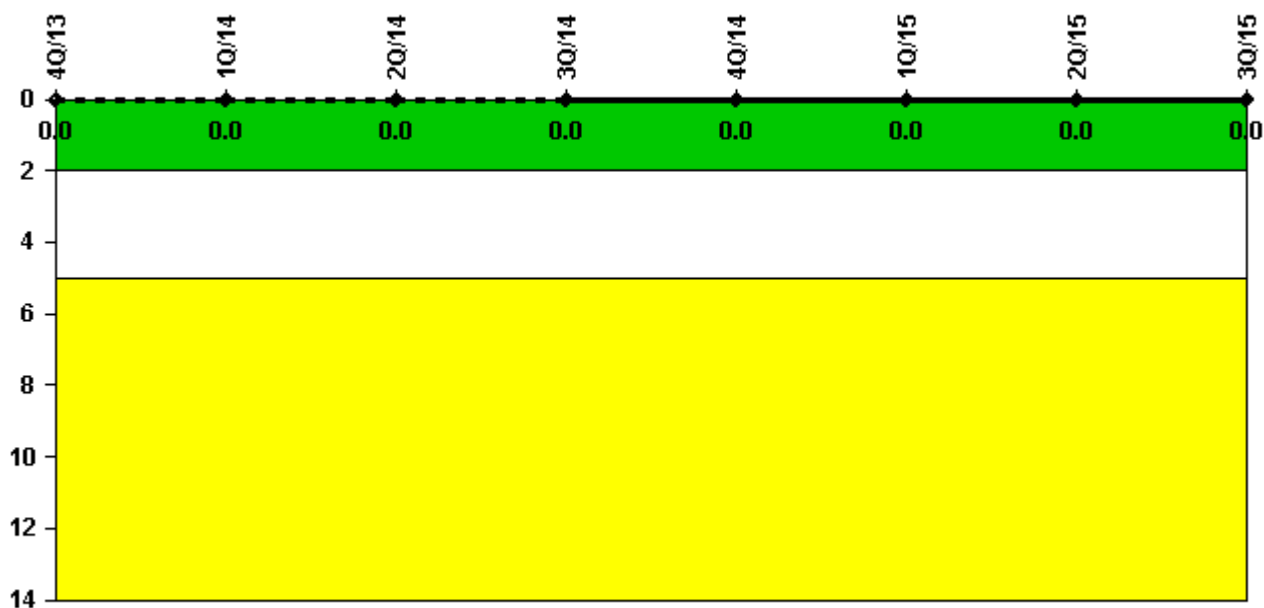
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	2491	2306	2402	2490	2402	2375	2402	2402
Total sirens-tests	2492	2314	2403	2492	2403	2379	2403	2403
Indicator value	99.6%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

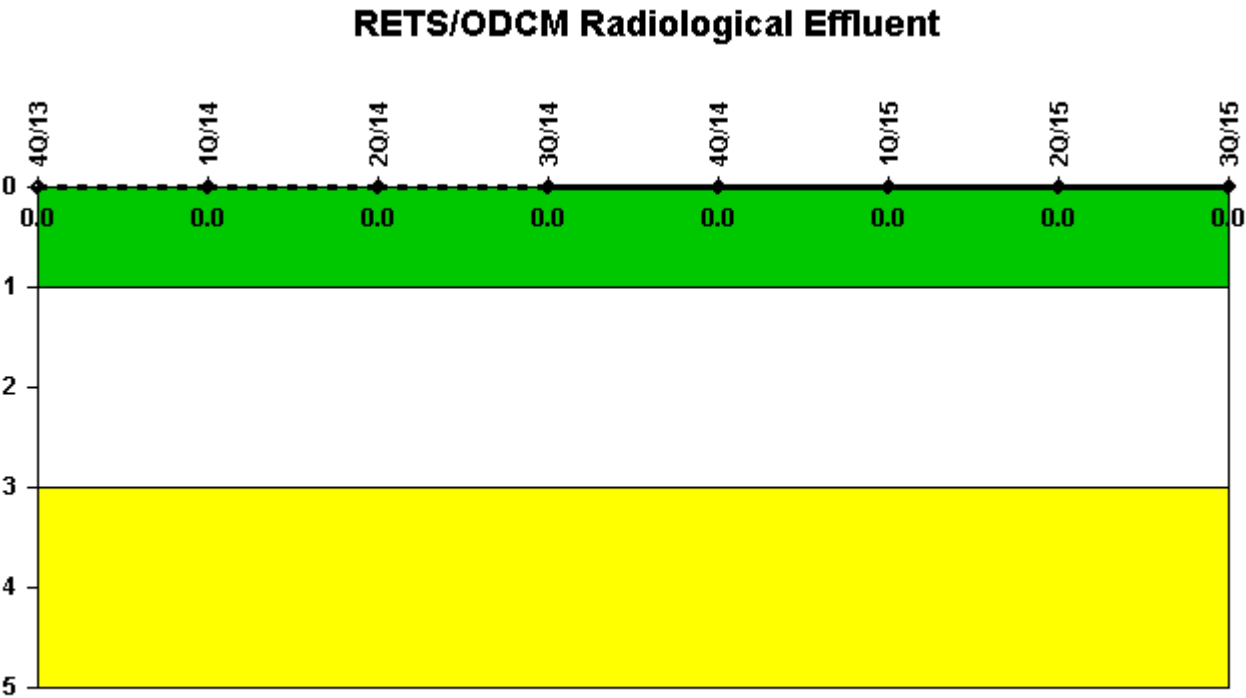


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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	0	0	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

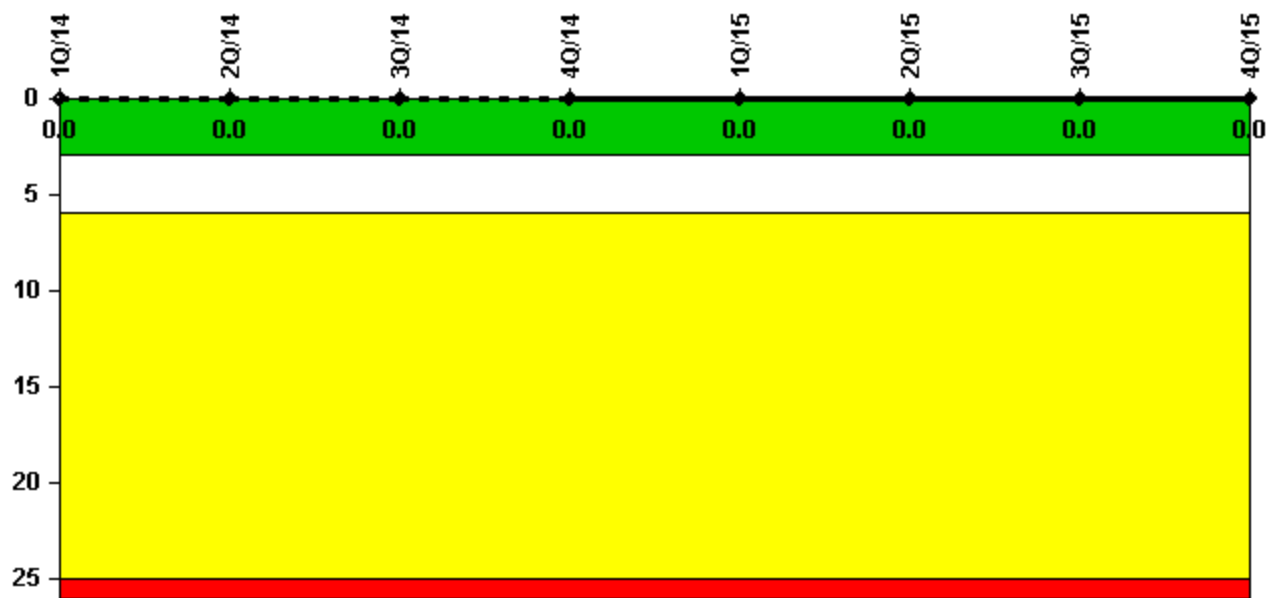
Catawba 1

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



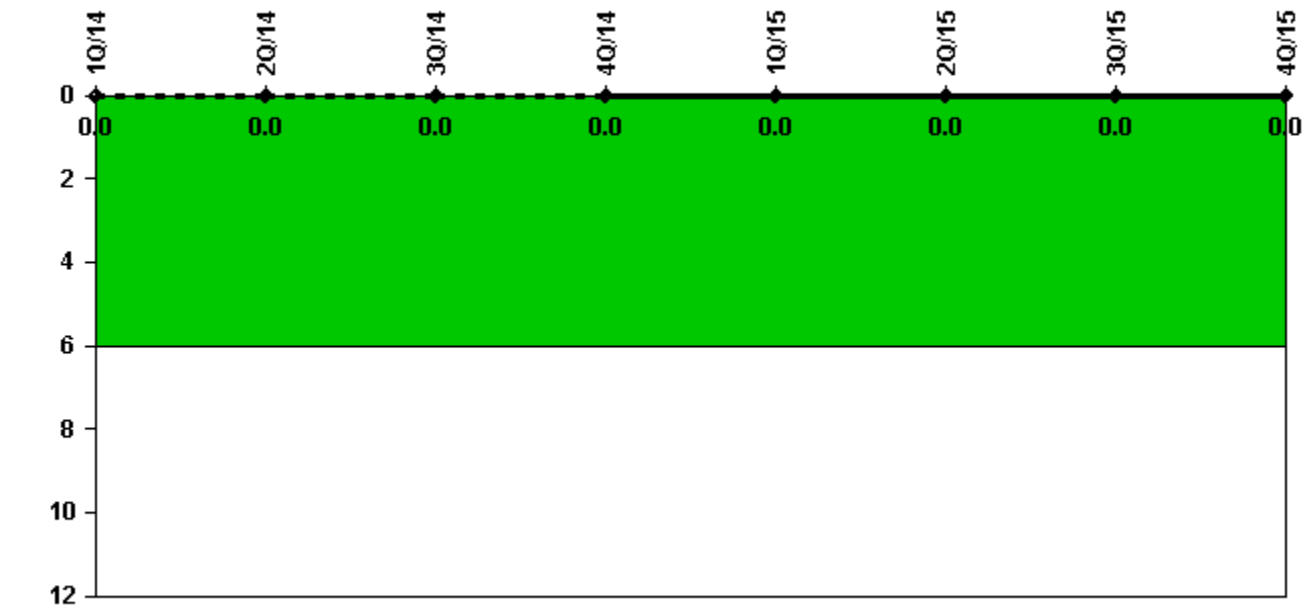
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	1003.4	2208.0	2209.0	2159.0	2184.0	2208.0	1600.2
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



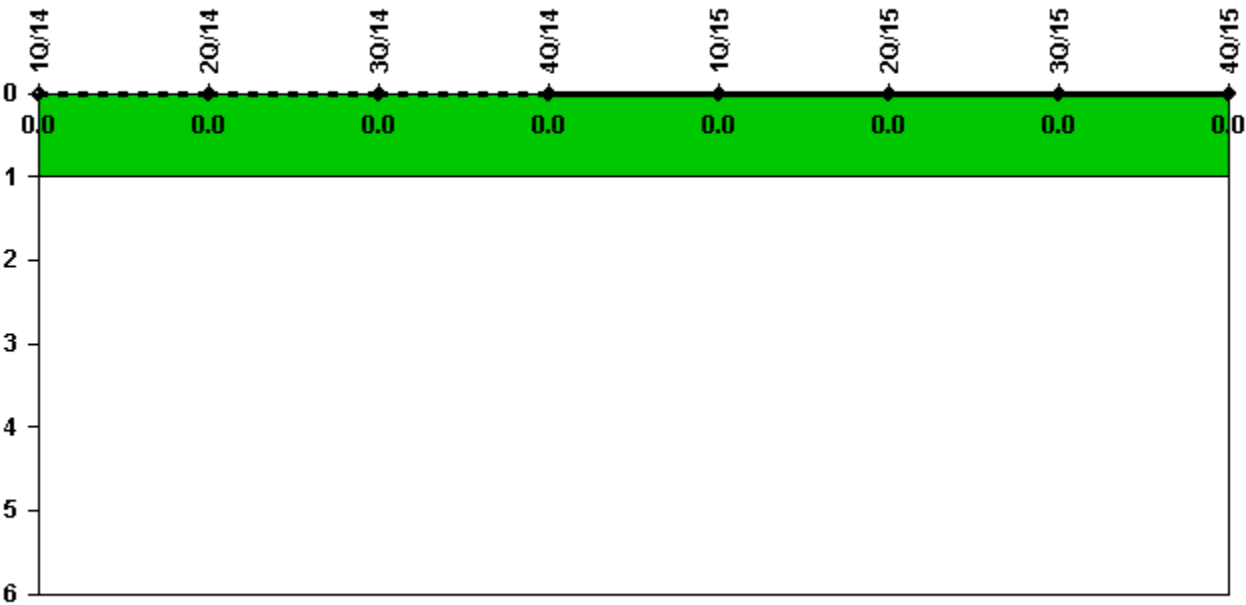
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	1003.4	2208.0	2209.0	2159.0	2184.0	2208.0	1600.2
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



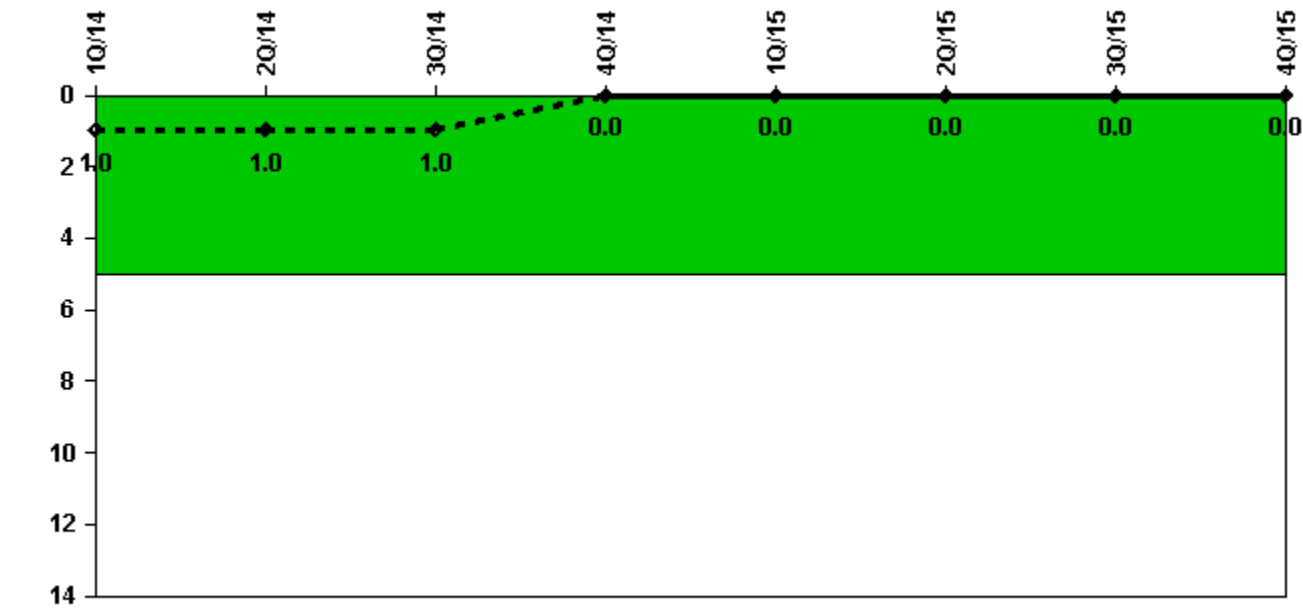
Thresholds: White > 1.0

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: none

Safety System Functional Failures (PWR)



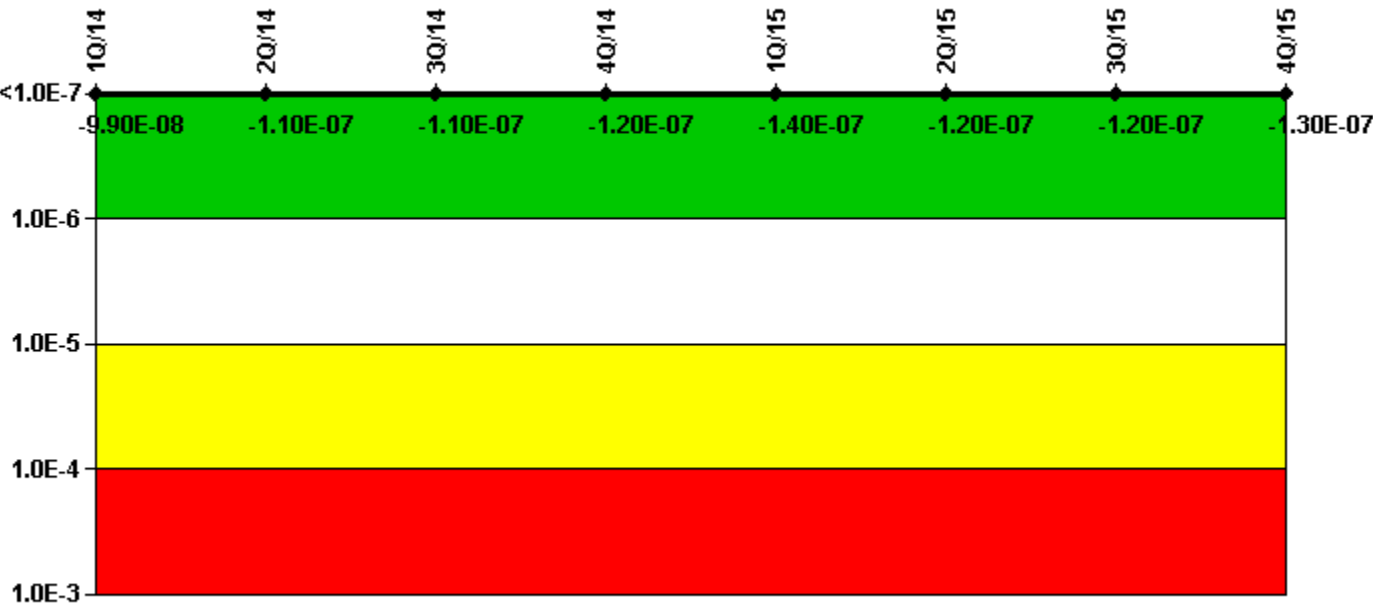
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	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

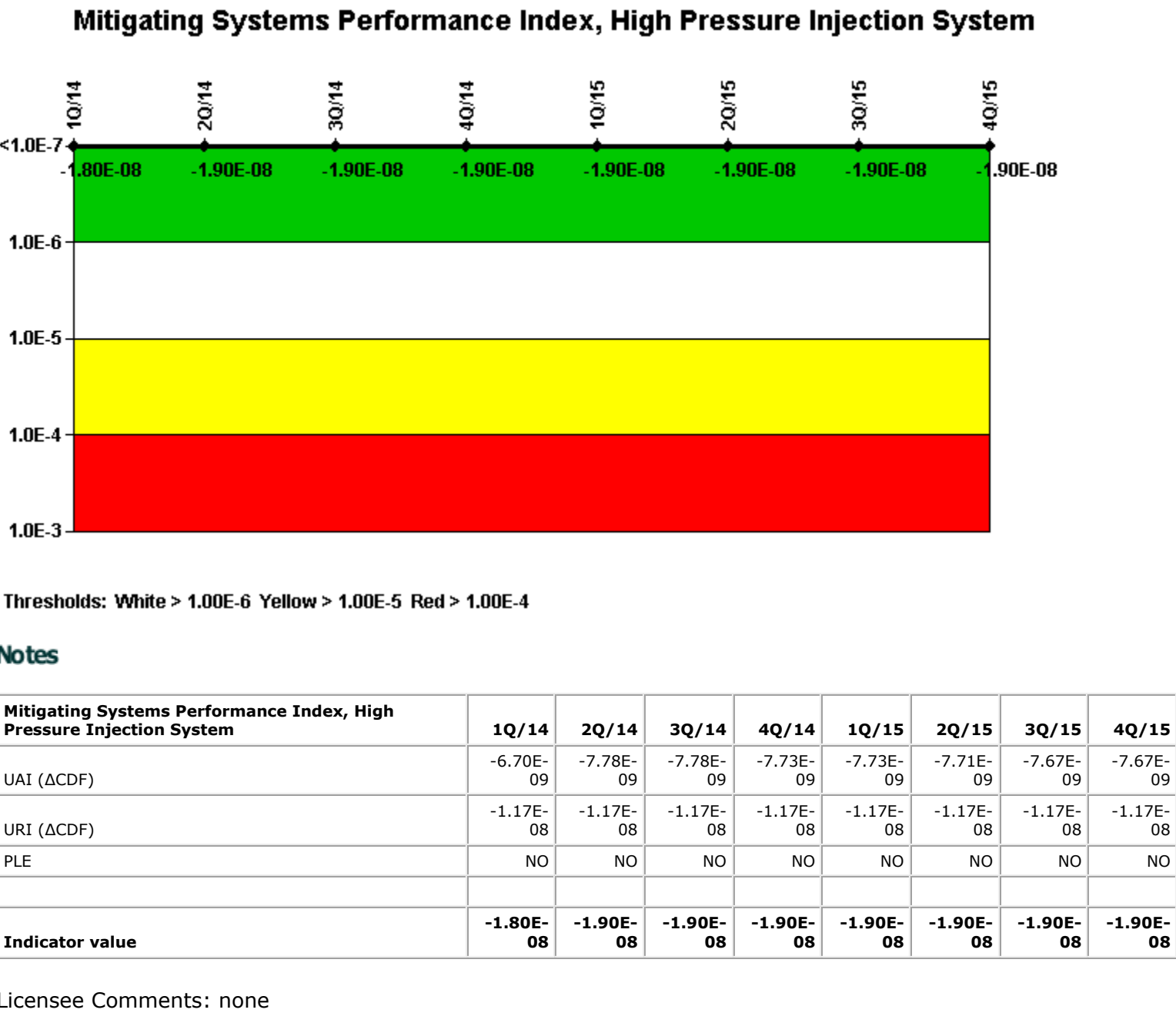


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

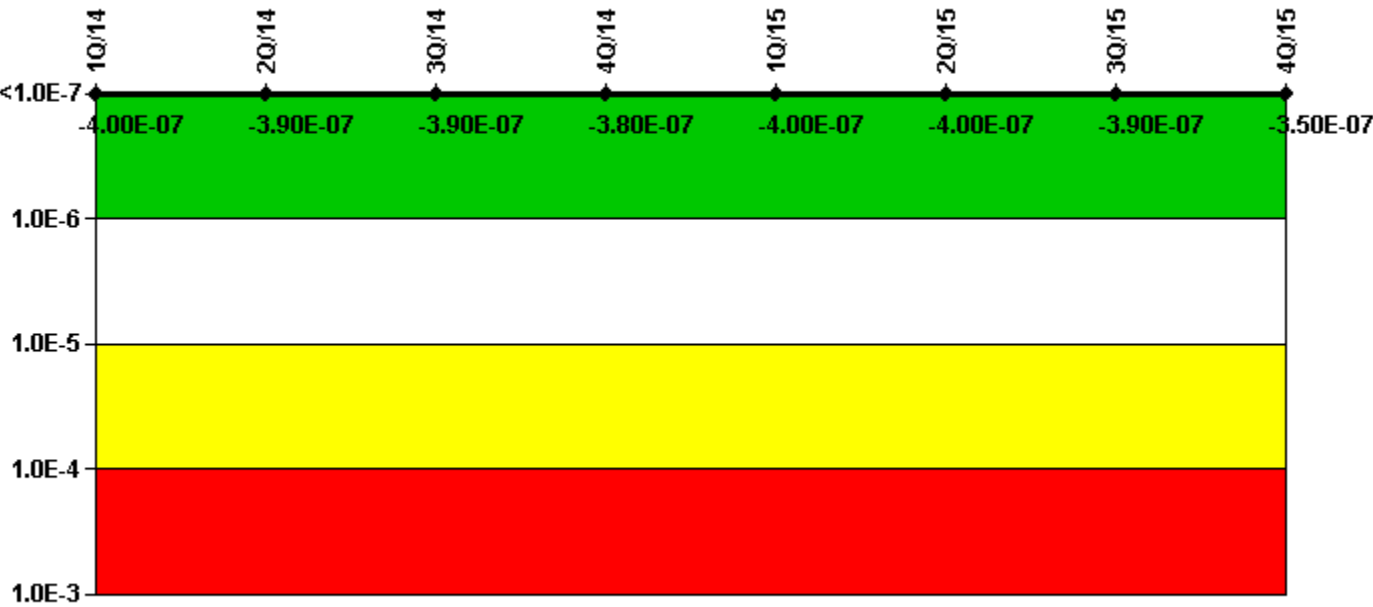
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	8.39E-08	6.83E-08	6.97E-08	6.42E-08	4.68E-08	6.18E-08	5.88E-08	5.71E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.90E-08	-1.10E-07	-1.10E-07	-1.20E-07	-1.40E-07	-1.20E-07	-1.20E-07	-1.30E-07

Licensee Comments: none



Mitigating Systems Performance Index, Heat Removal System



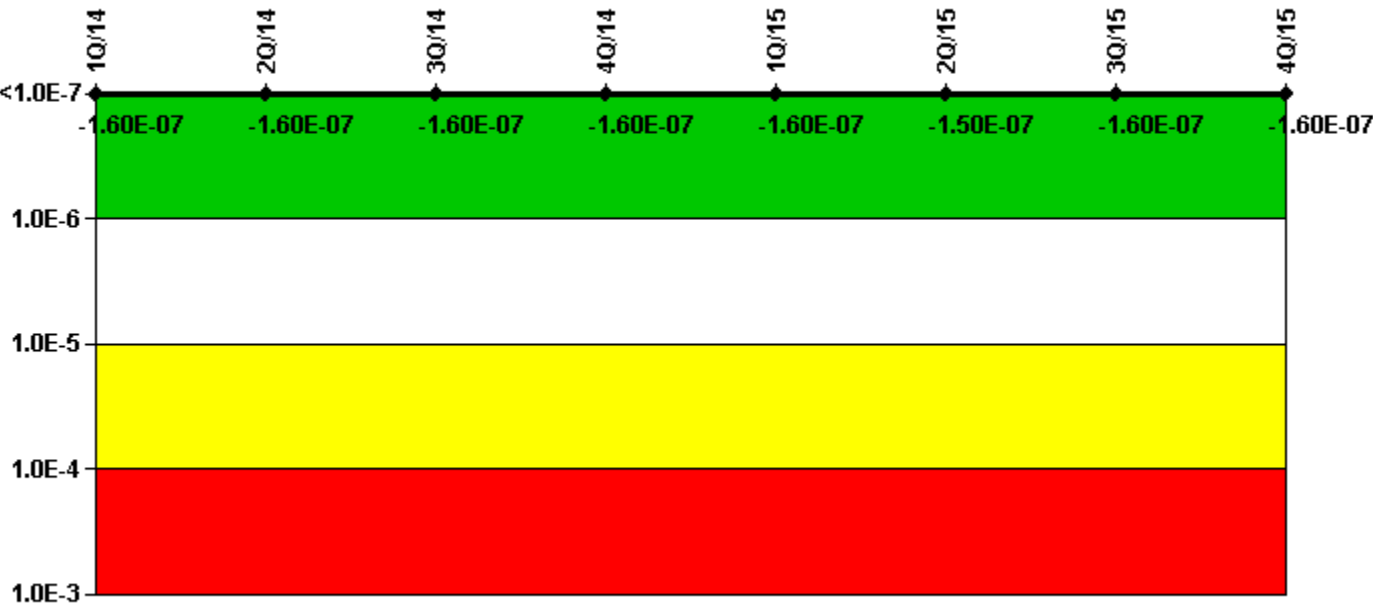
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	-4.56E-08	-3.35E-08	-3.76E-08	-3.16E-08	-4.45E-08	-4.44E-08	-3.31E-08	-1.24E-09
URI (ΔCDF)	-3.53E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-07	-3.90E-07	-3.90E-07	-3.80E-07	-4.00E-07	-4.00E-07	-3.90E-07	-3.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



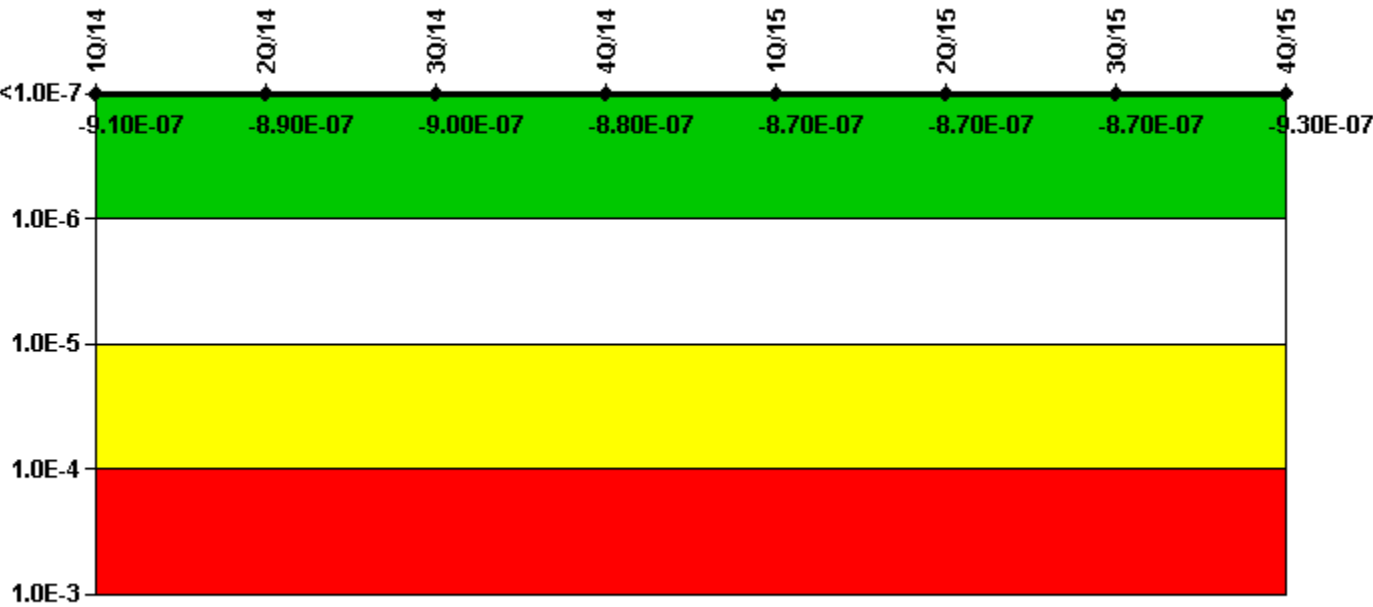
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.05E-08	-1.58E-08	-1.40E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



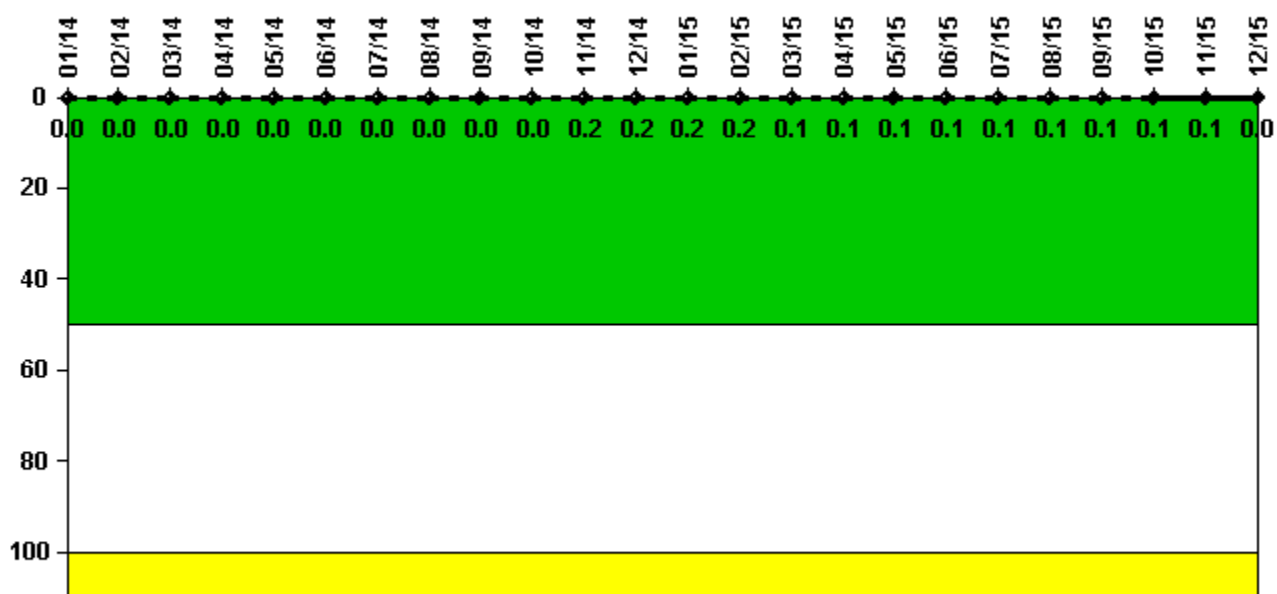
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	-4.64E-07	-4.45E-07	-4.53E-07	-4.36E-07	-4.27E-07	-4.18E-07	-4.18E-07	-4.82E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.10E-07	-8.90E-07	-9.00E-07	-8.80E-07	-8.70E-07	-8.70E-07	-8.70E-07	-9.30E-07

Licensee Comments: none

Reactor Coolant System Activity



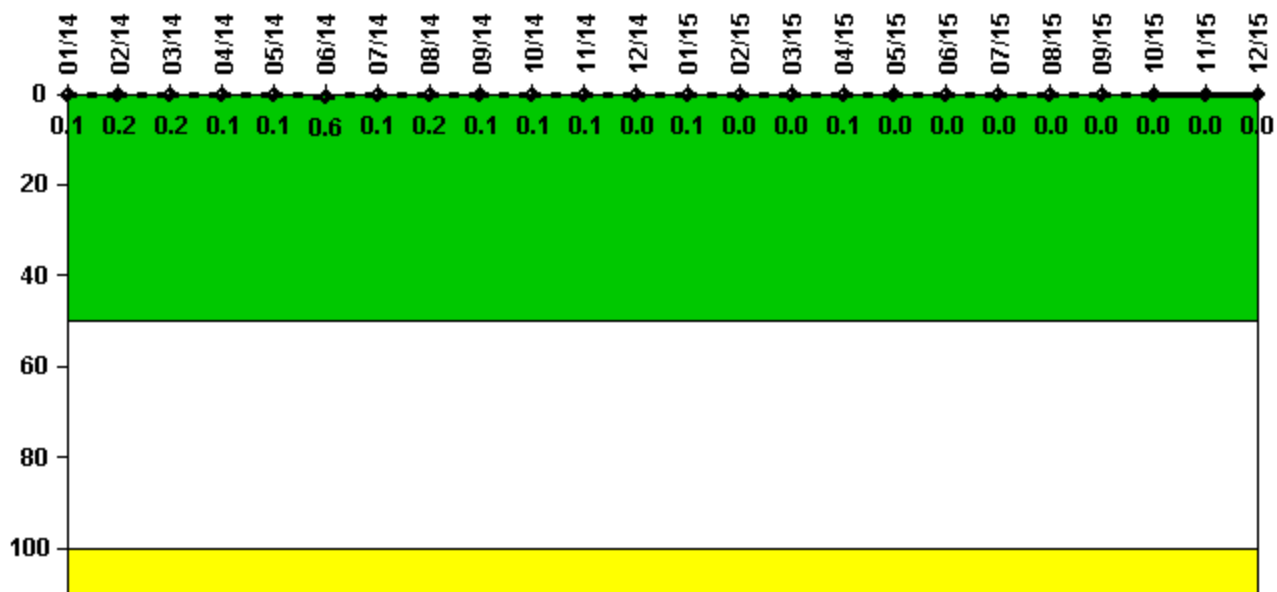
Thresholds: White > 50.0 Yellow > 100.0

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	0.000098	0.000102	0.000109	0.000126	0.000158	0.000009	0.000054	0.000037	0.000068	0.000049	0.000774	0.000856
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0.2	0.2
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	0.000841	0.000705	0.000482	0.000622	0.000570	0.000299	0.000371	0.000323	0.000418	0.000552	0.000650	0.000122
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



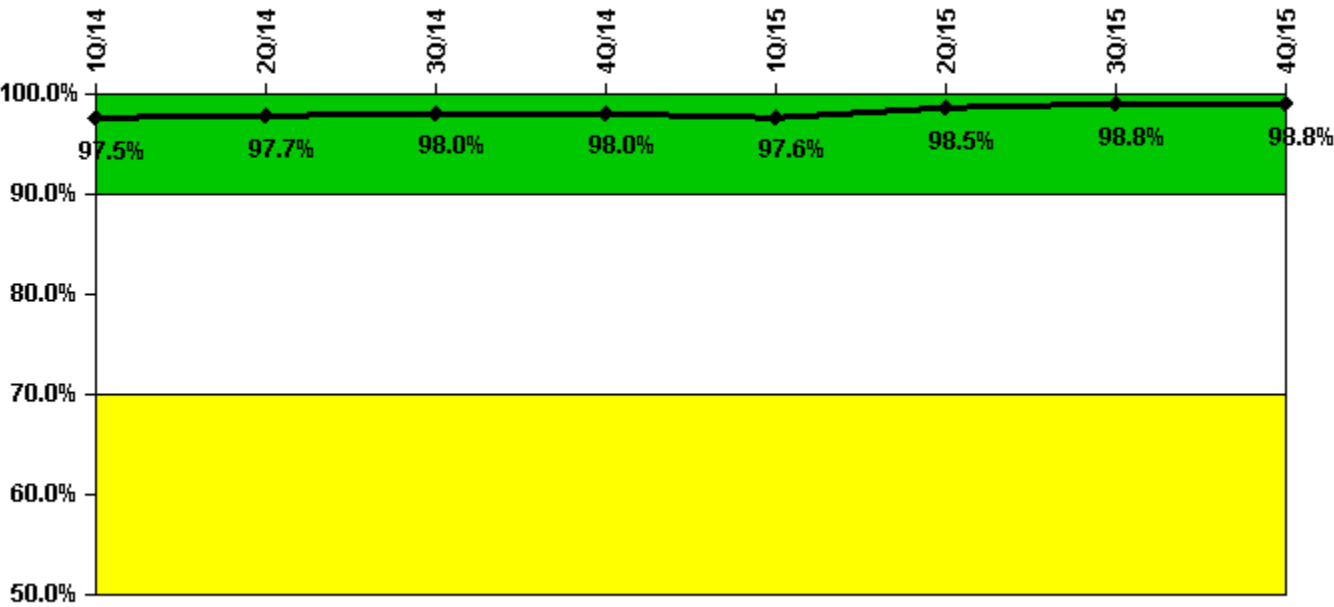
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.013	0.018	0.015	0.012	0.007	0.060	0.007	0.015	0.011	0.006	0.007	0.003
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.2	0.1	0.1	0.6	0.1	0.2	0.1	0.1	0.1	0
Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.005	0.003	0.003	0.005	0.003	0.003	0.004	0.004	0.003	0.004	0.004	0.004
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0	0	0.1	0	0	0	0	0	0	0	0

Licensee Comments: none

Drill/Exercise Performance



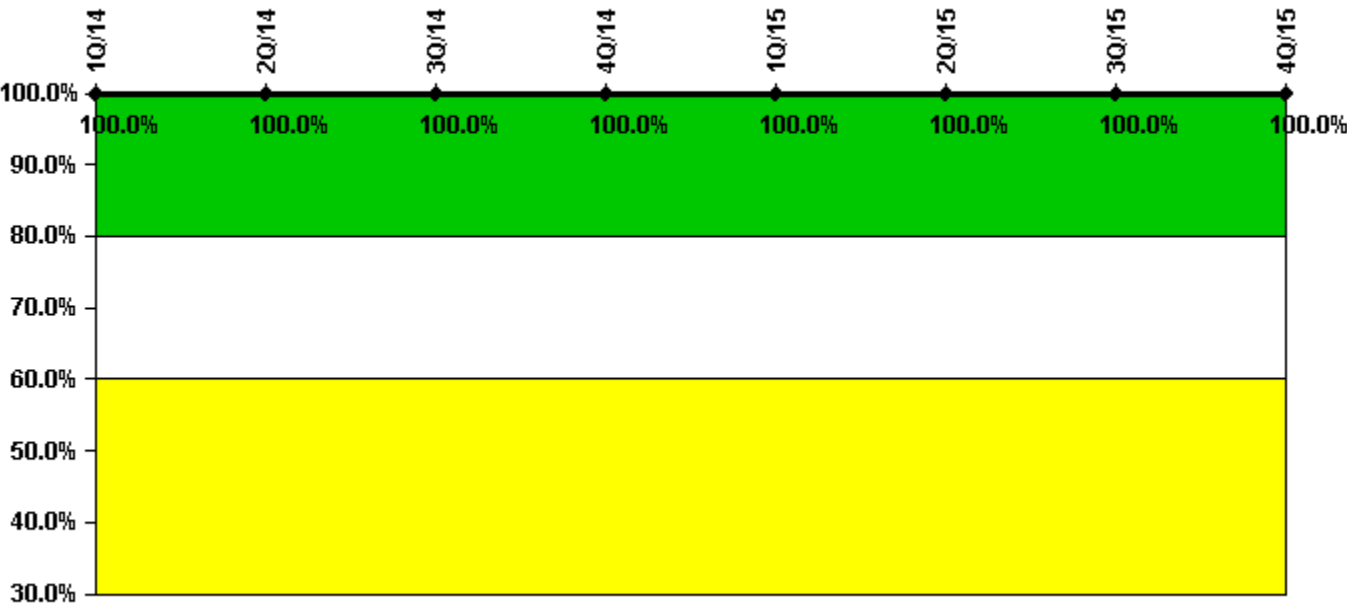
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	45.0	8.0	91.0	20.0	27.0	37.0	44.0	46.0
Total opportunities	46.0	8.0	92.0	20.0	28.0	37.0	45.0	46.0
Indicator value	97.5%	97.7%	98.0%	98.0%	97.6%	98.5%	98.8%	98.8%

Licensee Comments: none

ERO Drill Participation



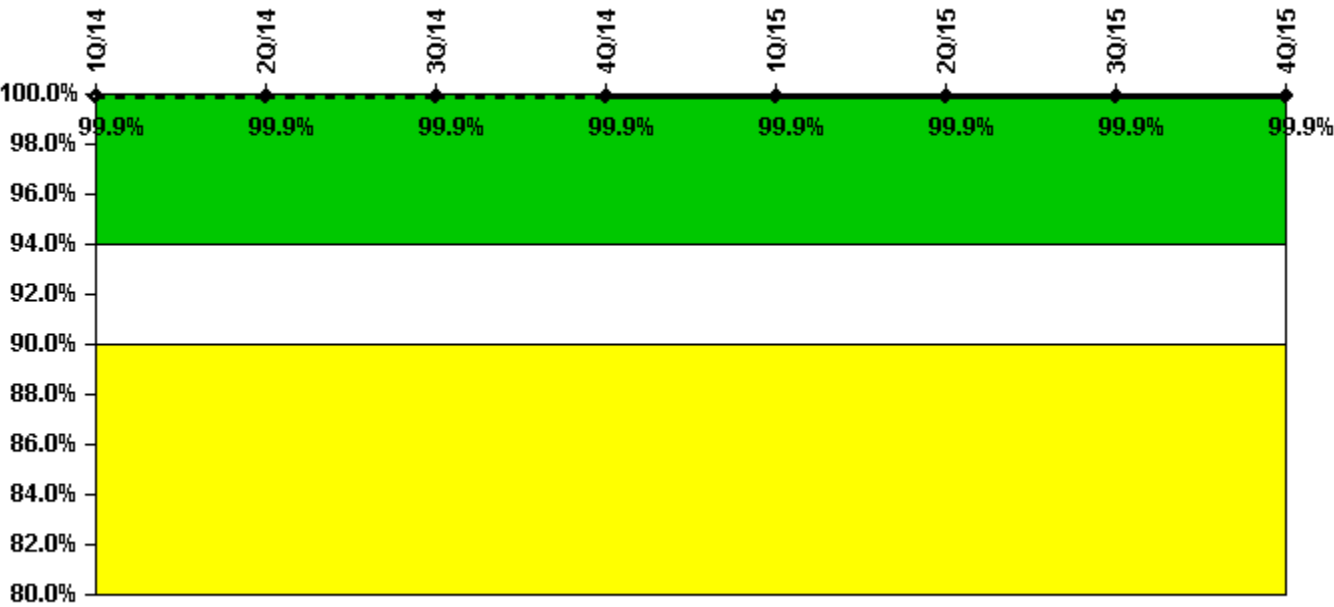
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	133.0	134.0	133.0	133.0	139.0	130.0	125.0	130.0
Total Key personnel	133.0	134.0	133.0	133.0	139.0	130.0	125.0	130.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



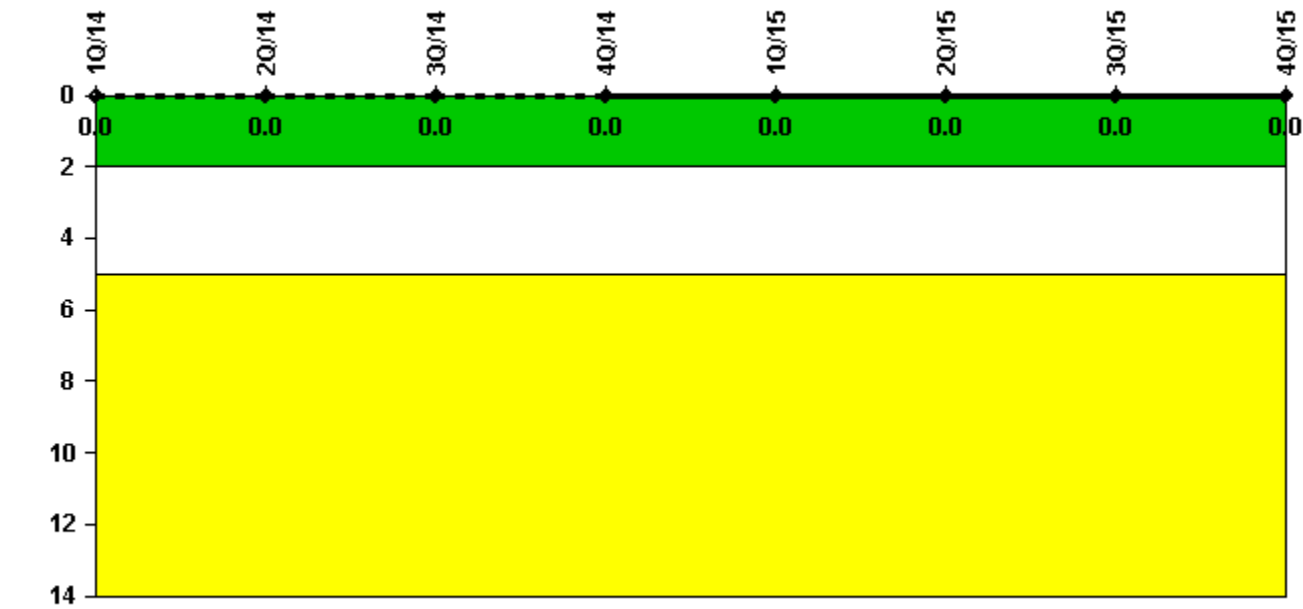
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	2306	2402	2490	2402	2375	2402	2402	2492
Total sirens-tests	2314	2403	2492	2403	2379	2403	2403	2492
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



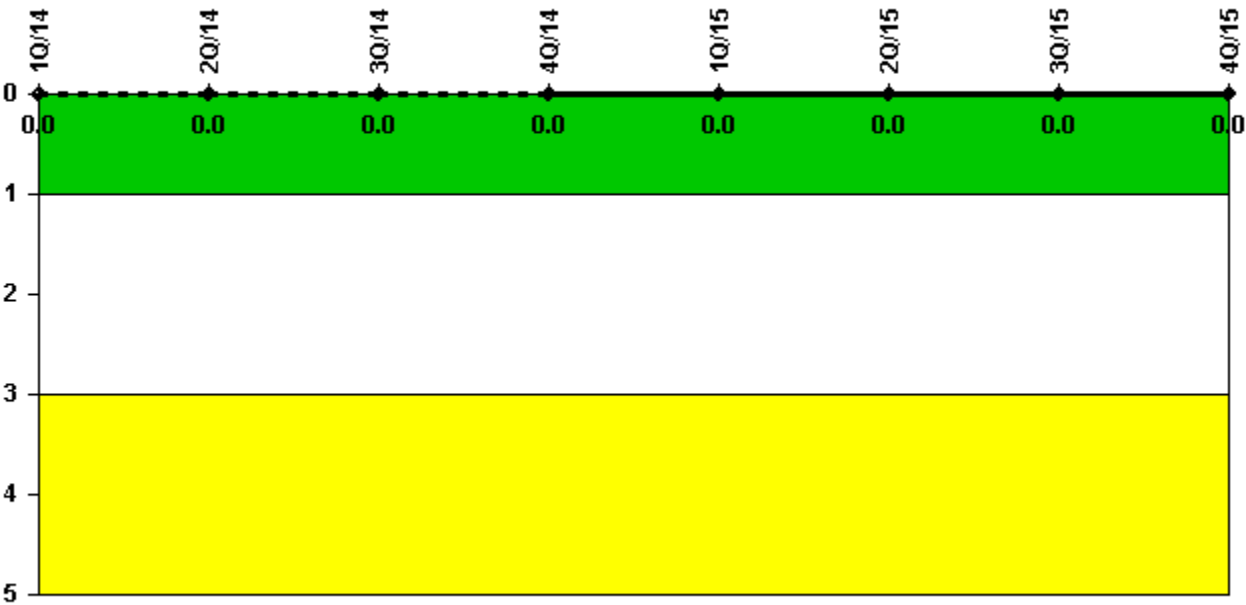
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	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/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

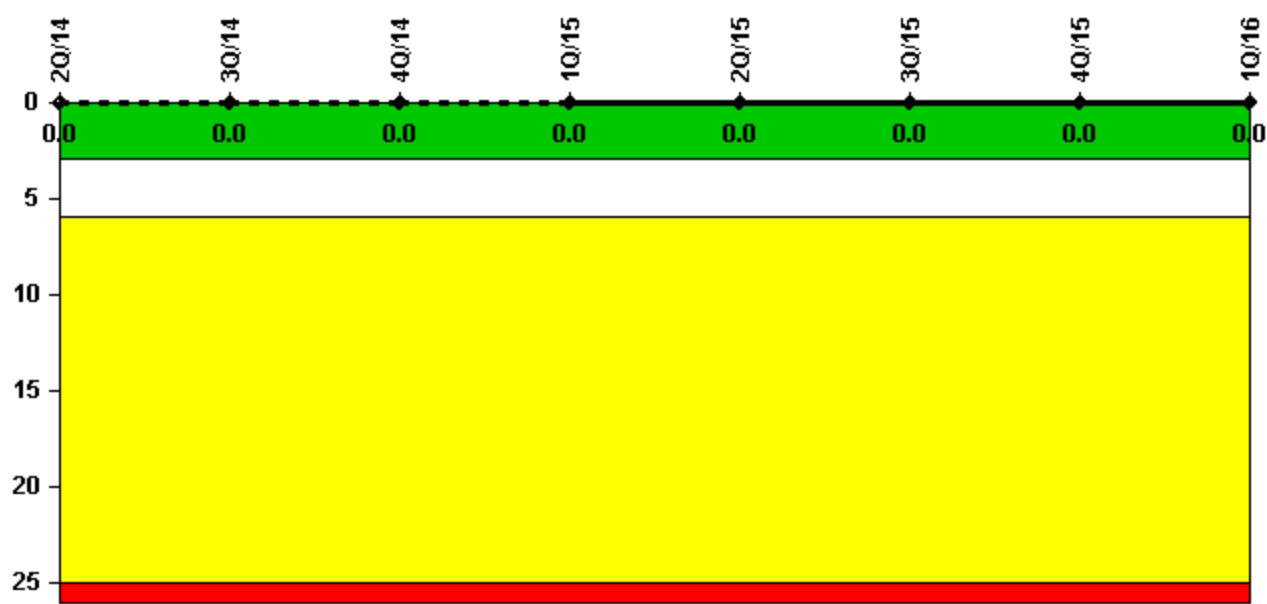
Catawba 1

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



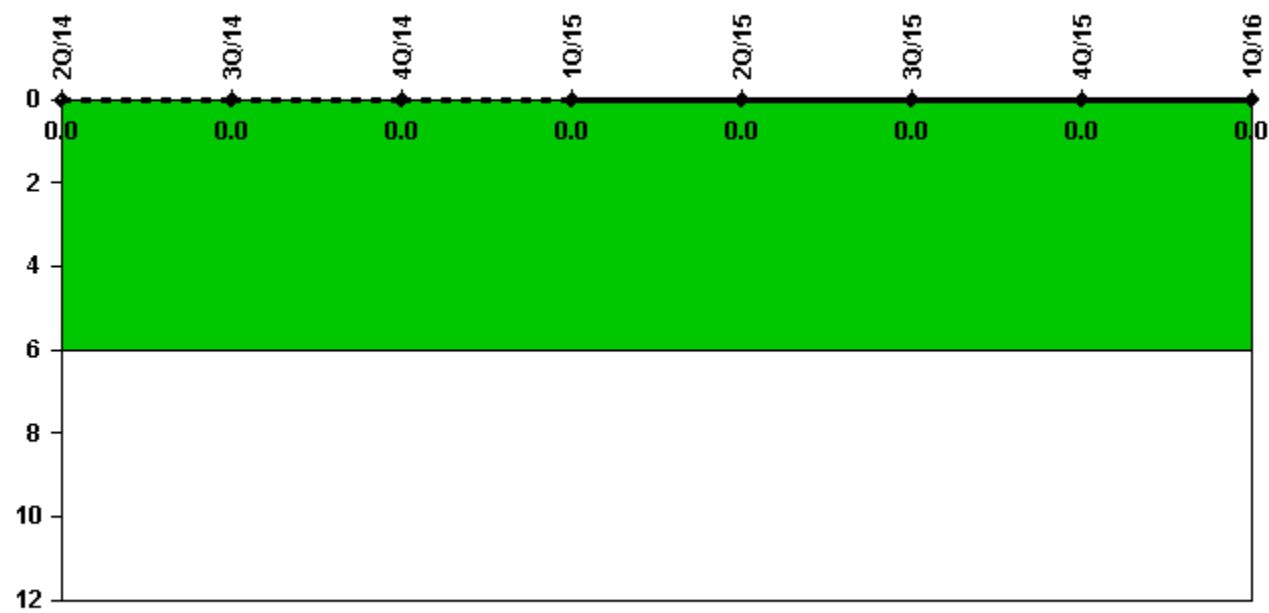
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1003.4	2208.0	2209.0	2159.0	2184.0	2208.0	1600.2	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



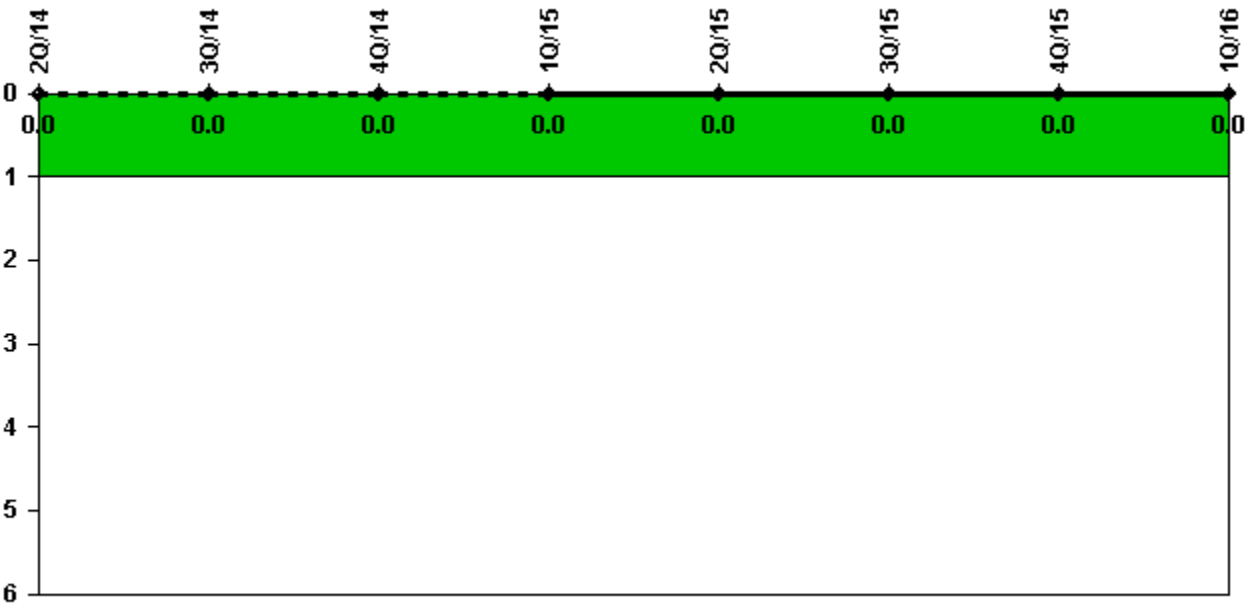
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1003.4	2208.0	2209.0	2159.0	2184.0	2208.0	1600.2	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



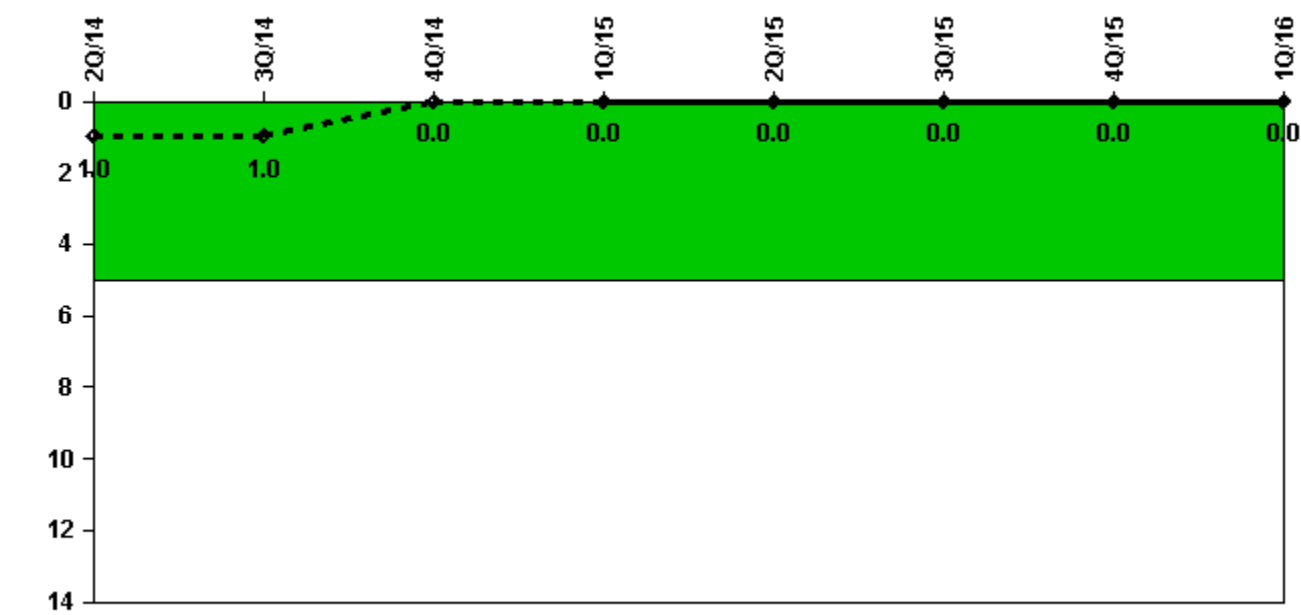
Thresholds: White > 1.0

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: none

Safety System Functional Failures (PWR)



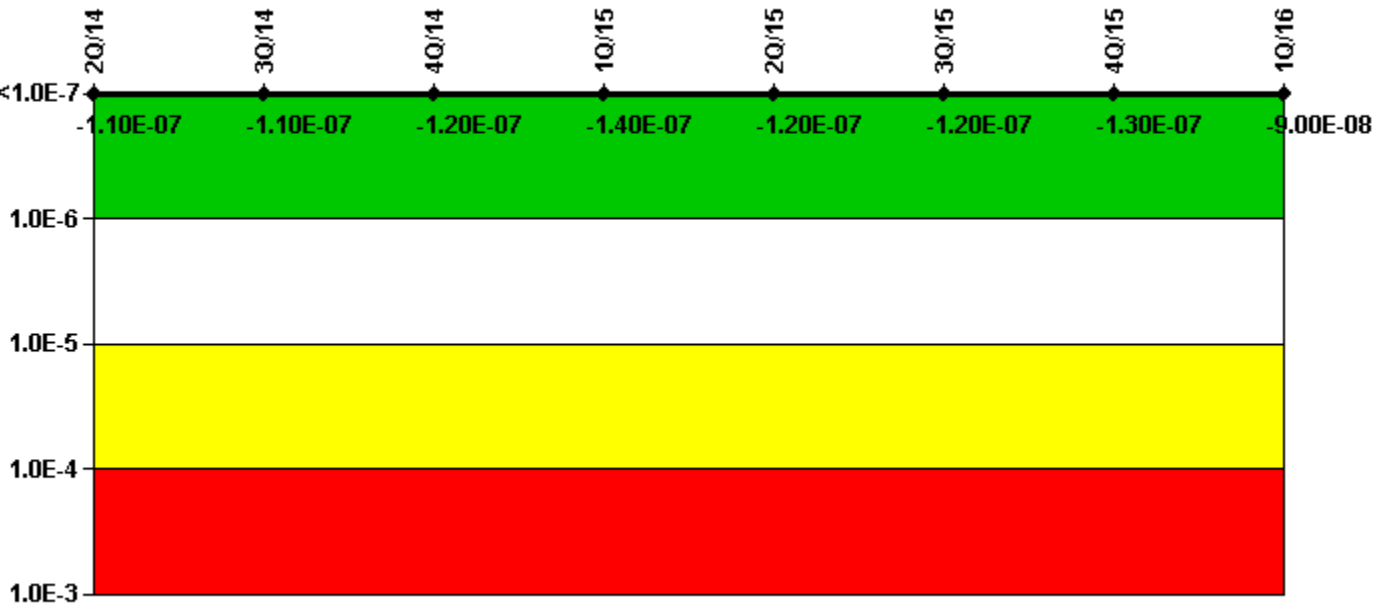
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	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



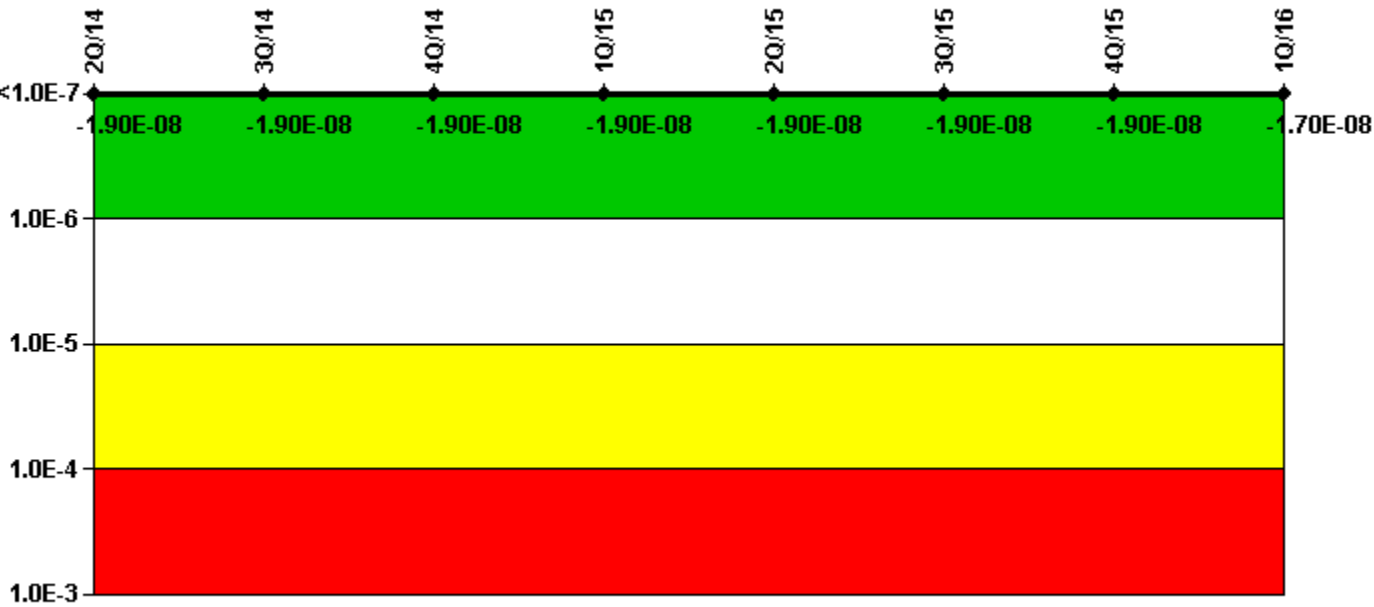
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	6.83E-08	6.97E-08	6.42E-08	4.68E-08	6.18E-08	5.88E-08	5.71E-08	9.25E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.10E-07	-1.20E-07	-1.40E-07	-1.20E-07	-1.20E-07	-1.30E-07	-9.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



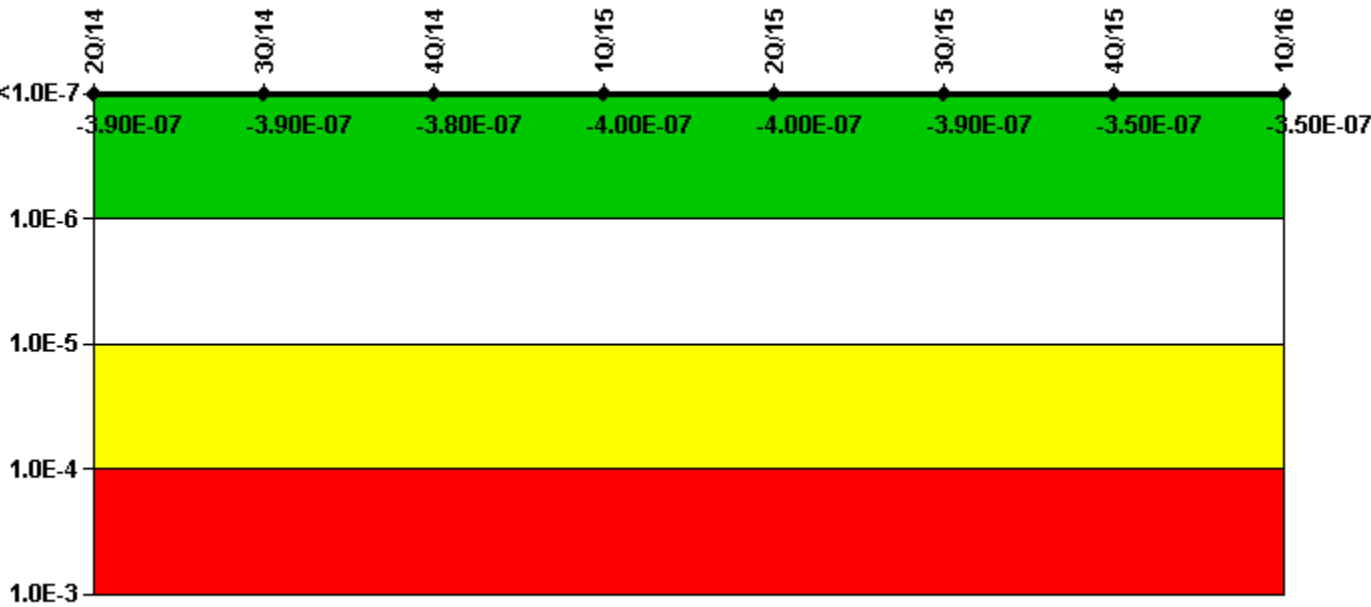
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	-7.78E-09	-7.78E-09	-7.73E-09	-7.73E-09	-7.71E-09	-7.67E-09	-7.67E-09	-5.31E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



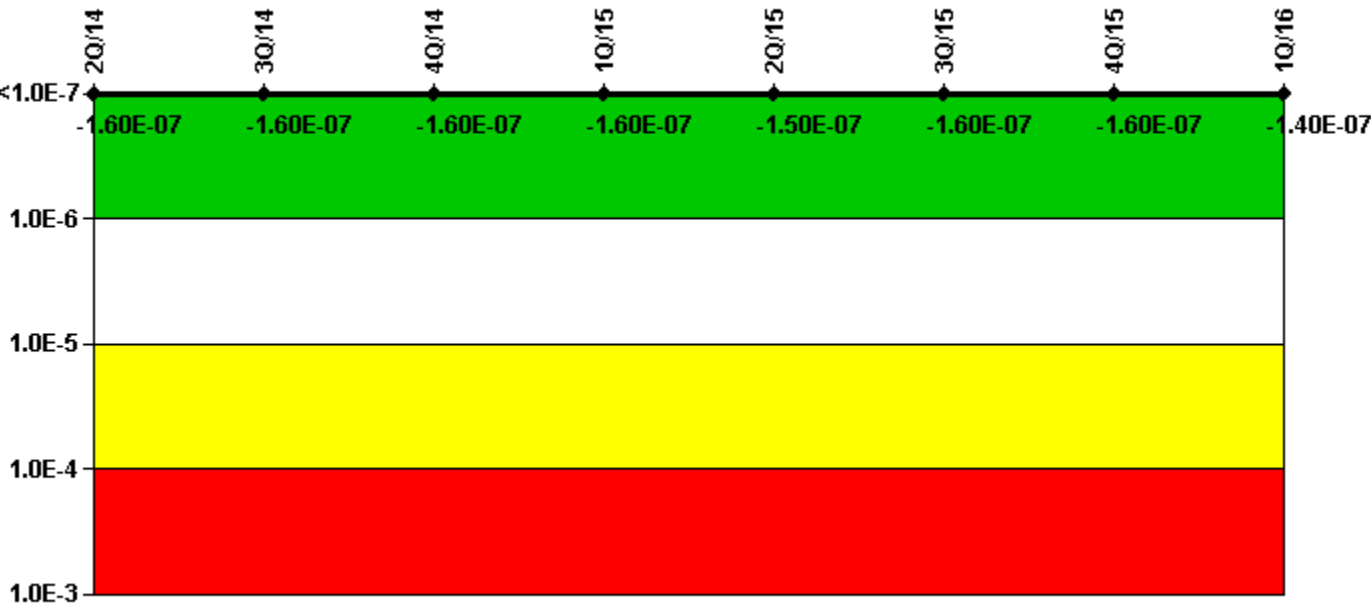
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	-3.35E-08	-3.76E-08	-3.16E-08	-4.45E-08	-4.44E-08	-3.31E-08	-1.24E-09	-2.13E-09
URI (ΔCDF)	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-07	-3.90E-07	-3.80E-07	-4.00E-07	-4.00E-07	-3.90E-07	-3.50E-07	-3.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



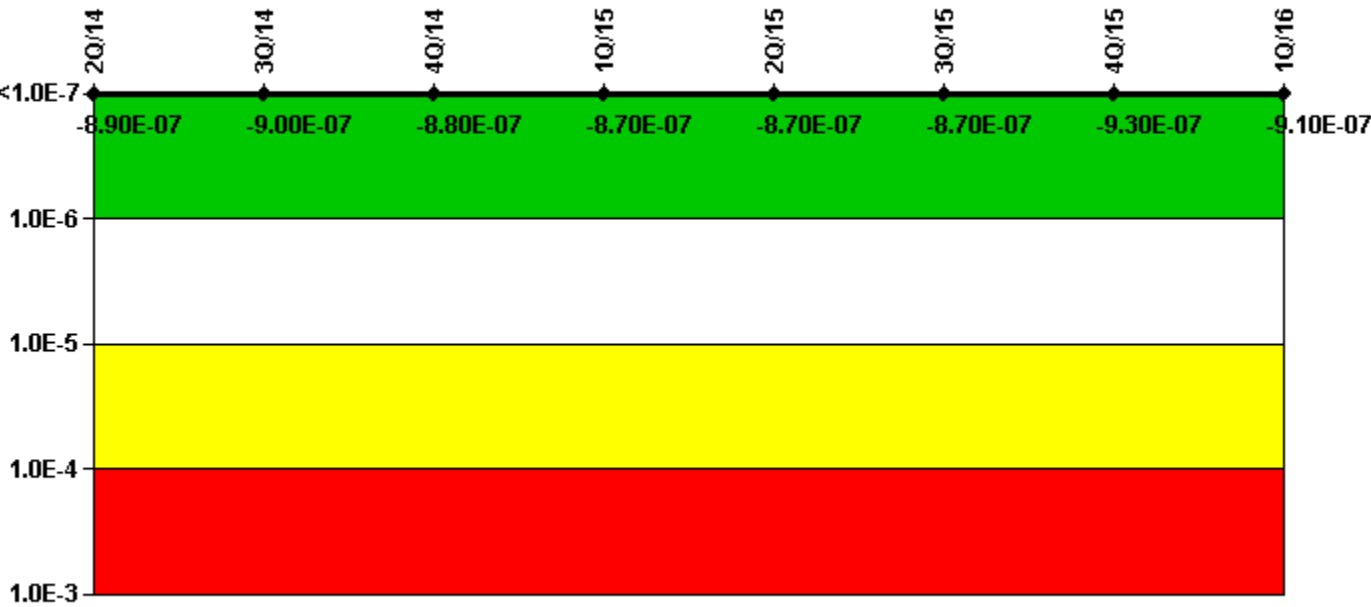
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	-1.81E-08	-1.81E-08	-1.81E-08	-1.81E-08	-1.05E-08	-1.58E-08	-1.40E-08	1.31E-10
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.60E-07	-1.60E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



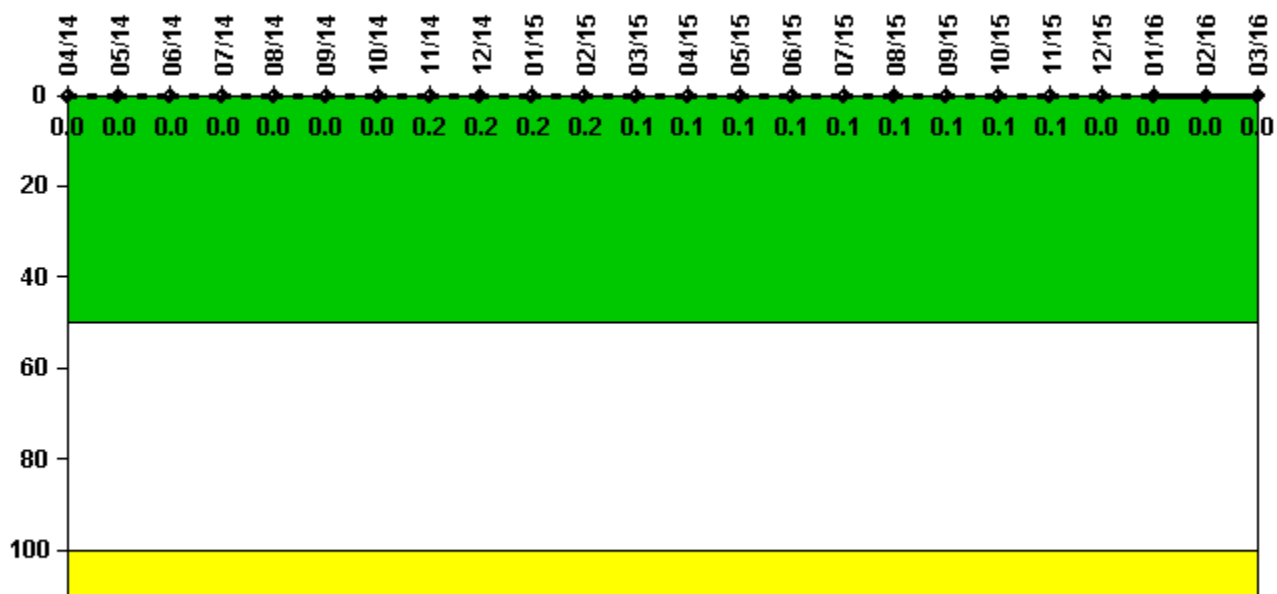
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	-4.45E-07	-4.53E-07	-4.36E-07	-4.27E-07	-4.18E-07	-4.18E-07	-4.82E-07	-4.67E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-07	-9.00E-07	-8.80E-07	-8.70E-07	-8.70E-07	-8.70E-07	-9.30E-07	-9.10E-07

Licensee Comments: none

Reactor Coolant System Activity



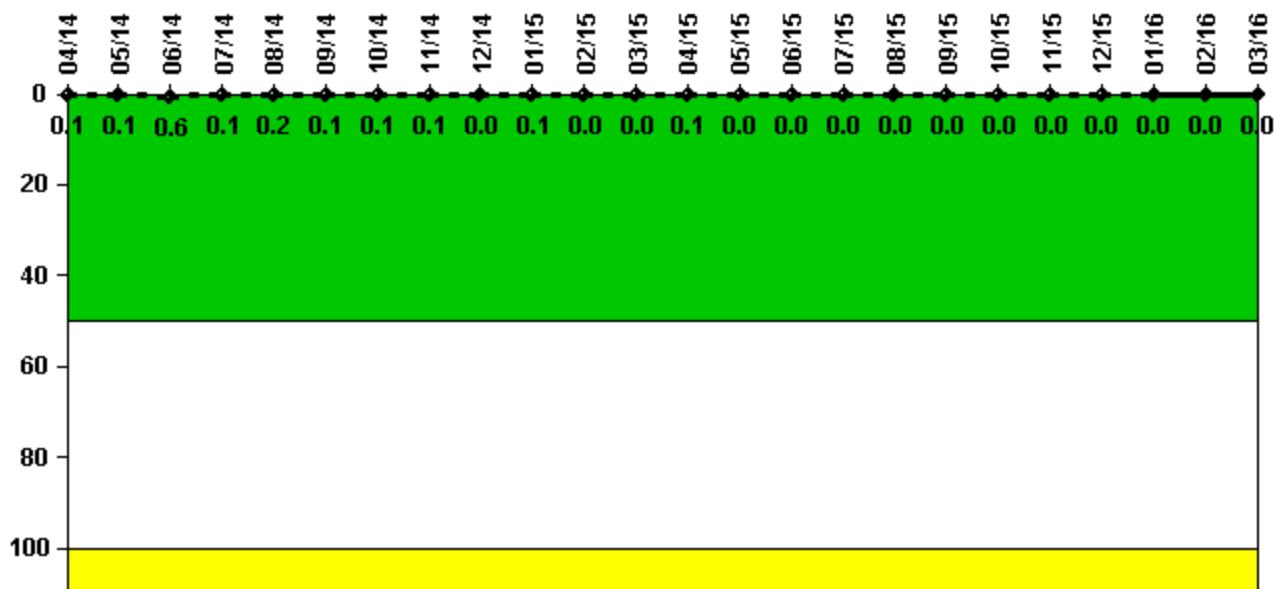
Thresholds: White > 50.0 Yellow > 100.0

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	0.000126	0.000158	0.000009	0.000054	0.000037	0.000068	0.000049	0.000774	0.000856	0.000841	0.000705	0.000482
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.1
Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000622	0.000570	0.000299	0.000371	0.000323	0.000418	0.000552	0.000650	0.000122	0.000079	0.000073	0.000079
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



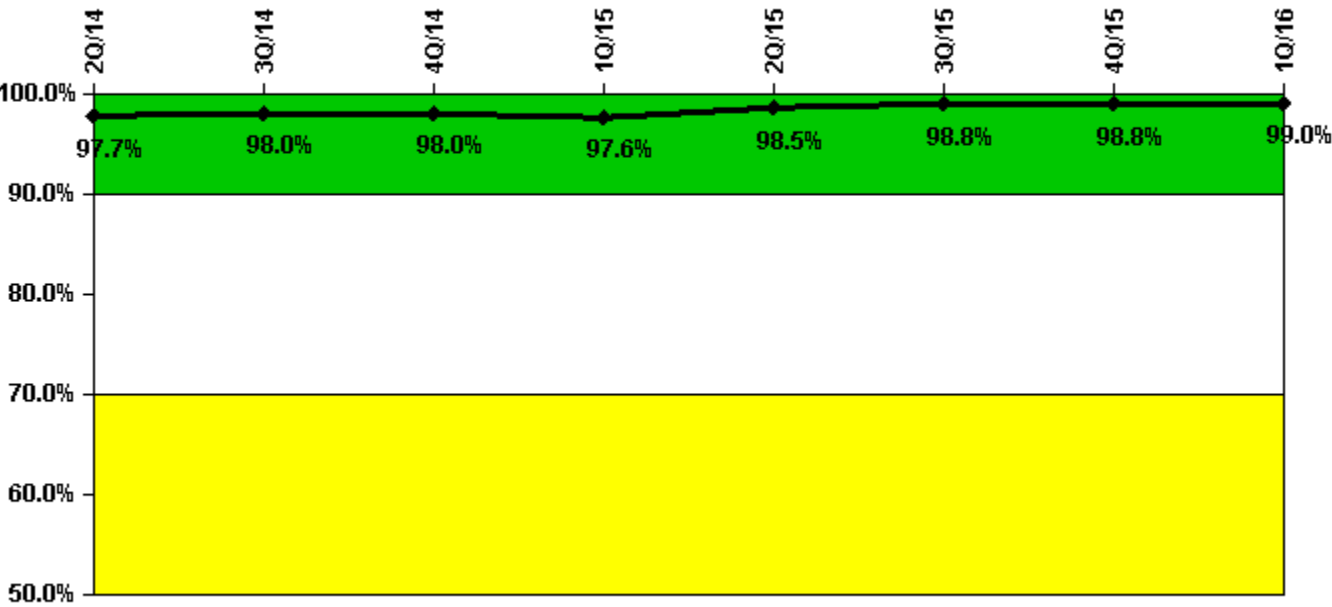
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.012	0.007	0.060	0.007	0.015	0.011	0.006	0.007	0.003	0.005	0.003	0.003
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.6	0.1	0.2	0.1	0.1	0.1	0	0.1	0	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	0.005	0.003	0.003	0.004	0.004	0.003	0.004	0.004	0.004	0.002	0.003	0.004
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Drill/Exercise Performance



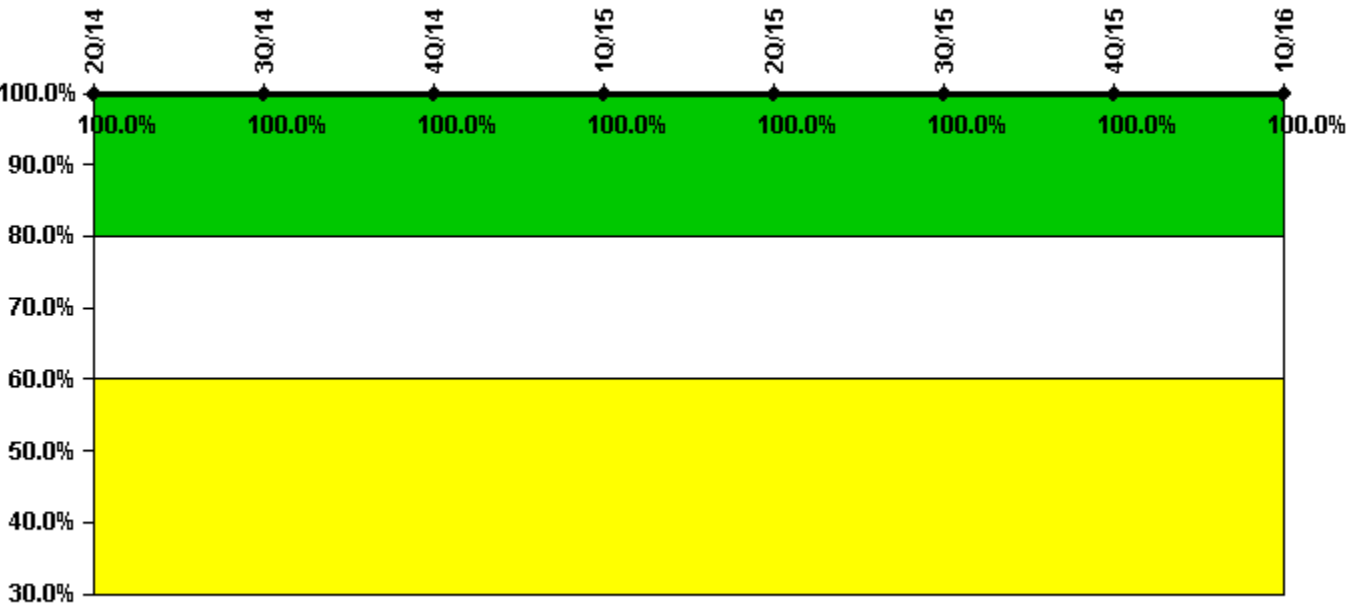
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	8.0	91.0	20.0	27.0	37.0	44.0	46.0	38.0
Total opportunities	8.0	92.0	20.0	28.0	37.0	45.0	46.0	38.0
Indicator value	97.7%	98.0%	98.0%	97.6%	98.5%	98.8%	98.8%	99.0%

Licensee Comments: none

ERO Drill Participation



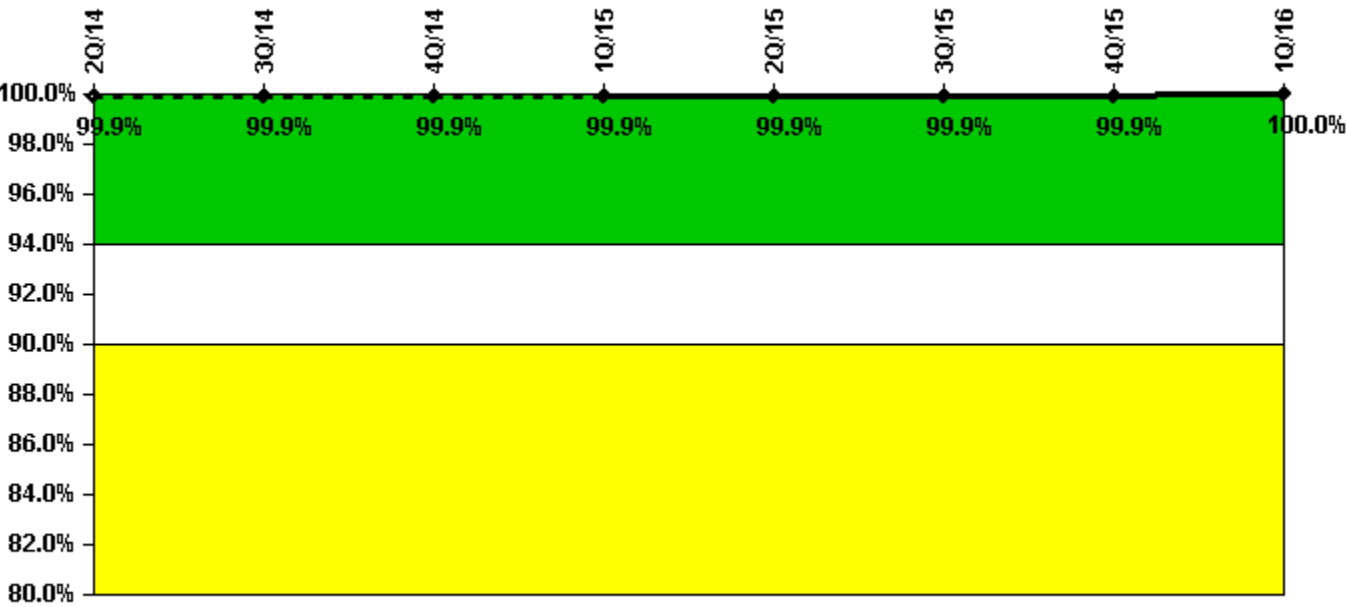
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	134.0	133.0	133.0	139.0	130.0	125.0	130.0	129.0
Total Key personnel	134.0	133.0	133.0	139.0	130.0	125.0	130.0	129.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



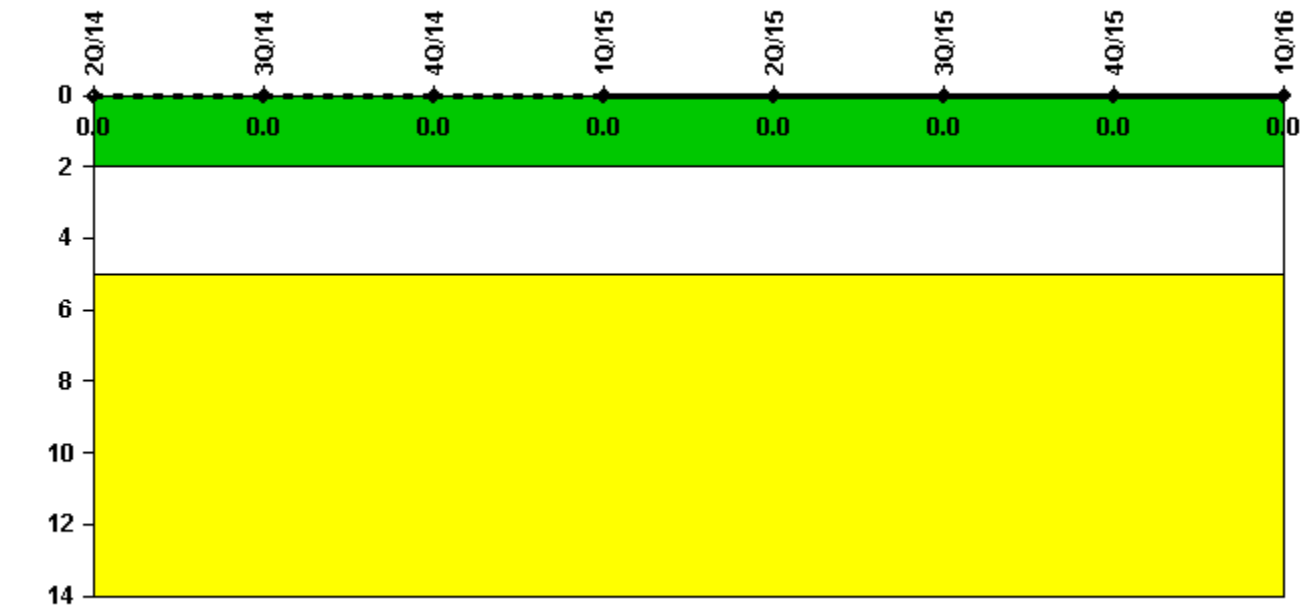
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	2402	2490	2402	2375	2402	2402	2492	2402
Total sirens-tests	2403	2492	2403	2379	2403	2403	2492	2402
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



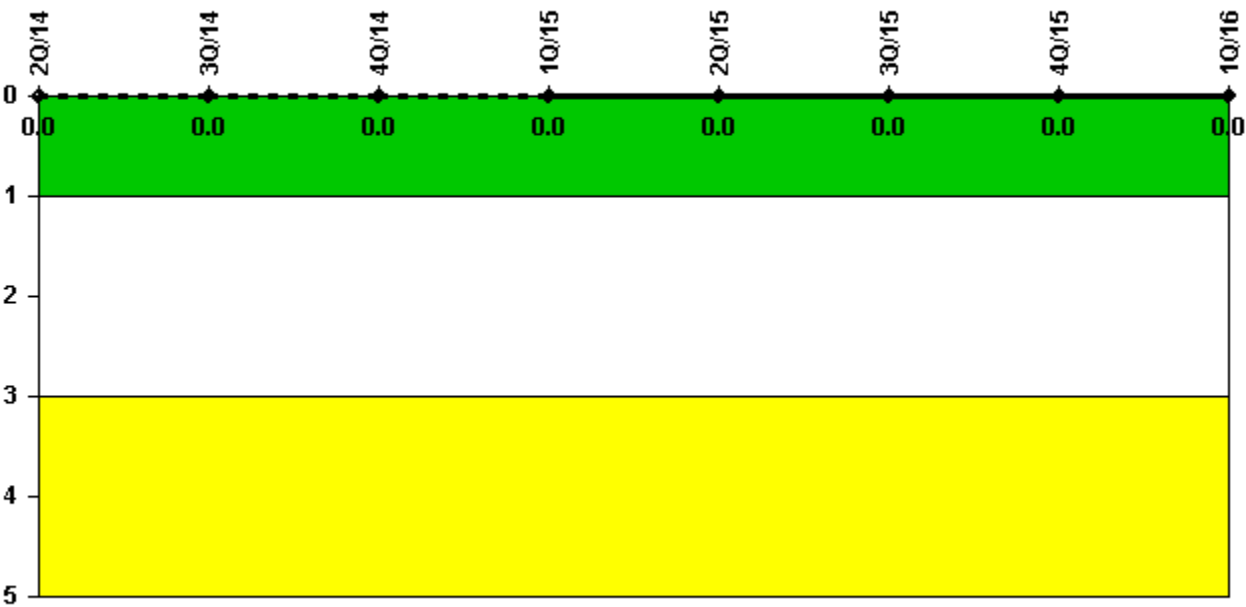
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

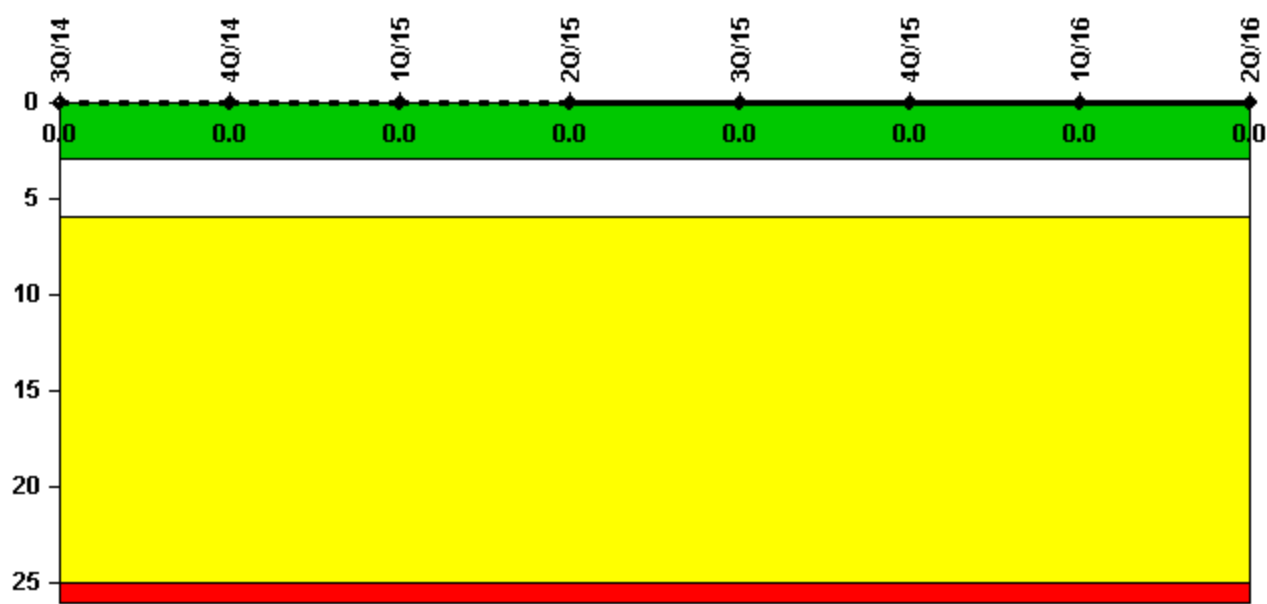
Catawba 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



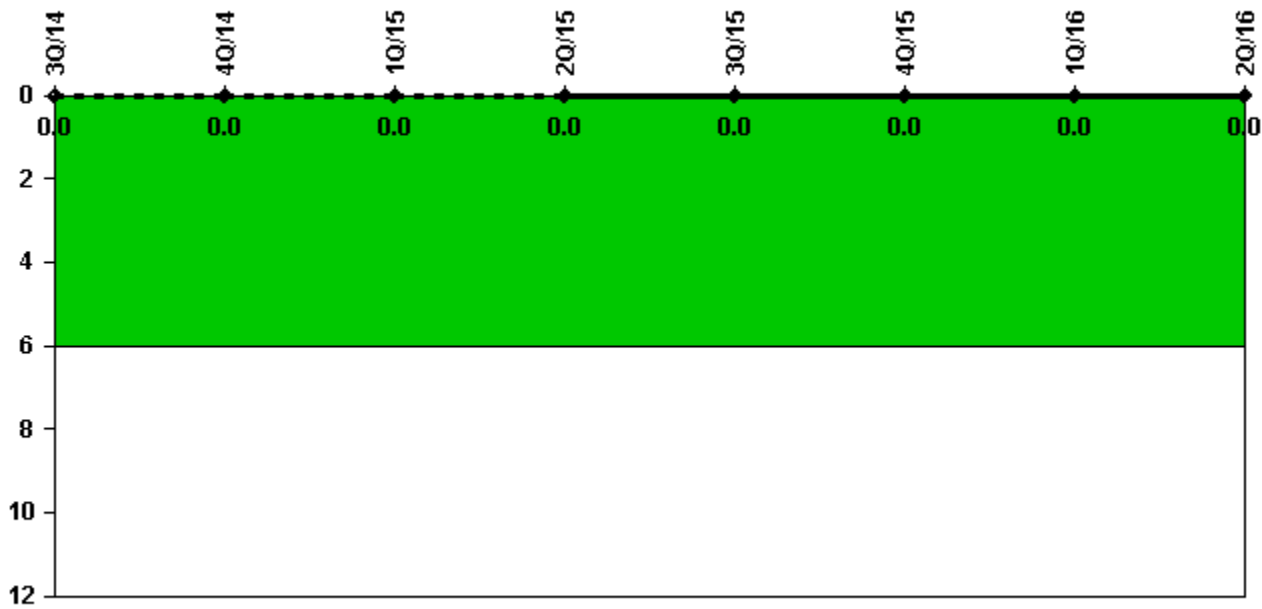
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1600.2	2183.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



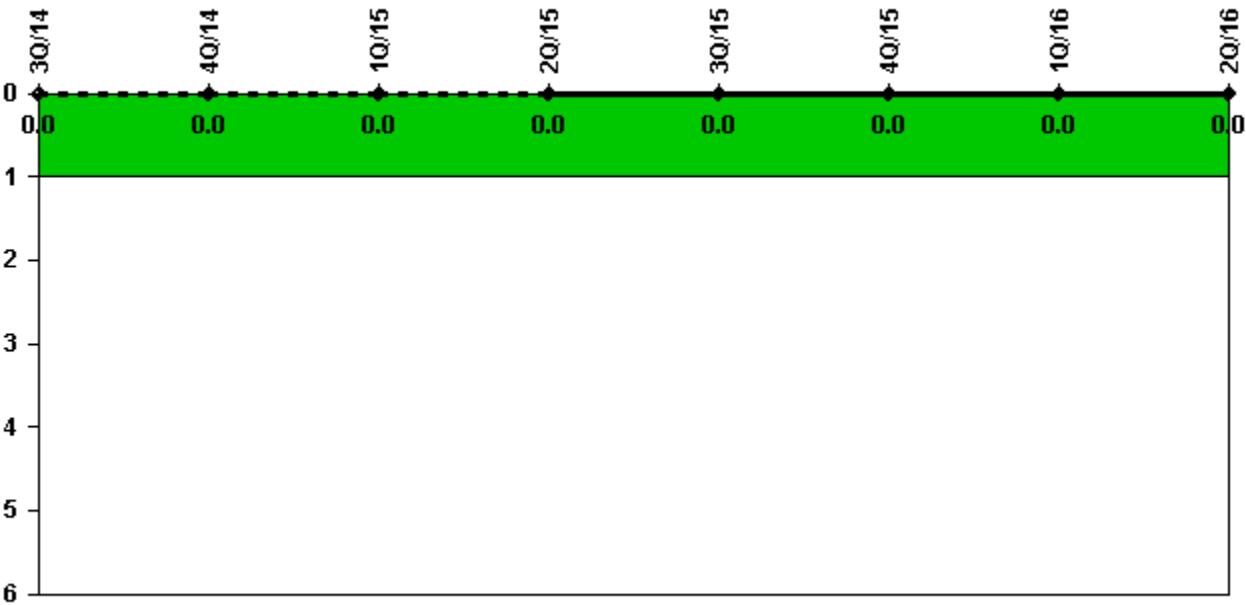
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1600.2	2183.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



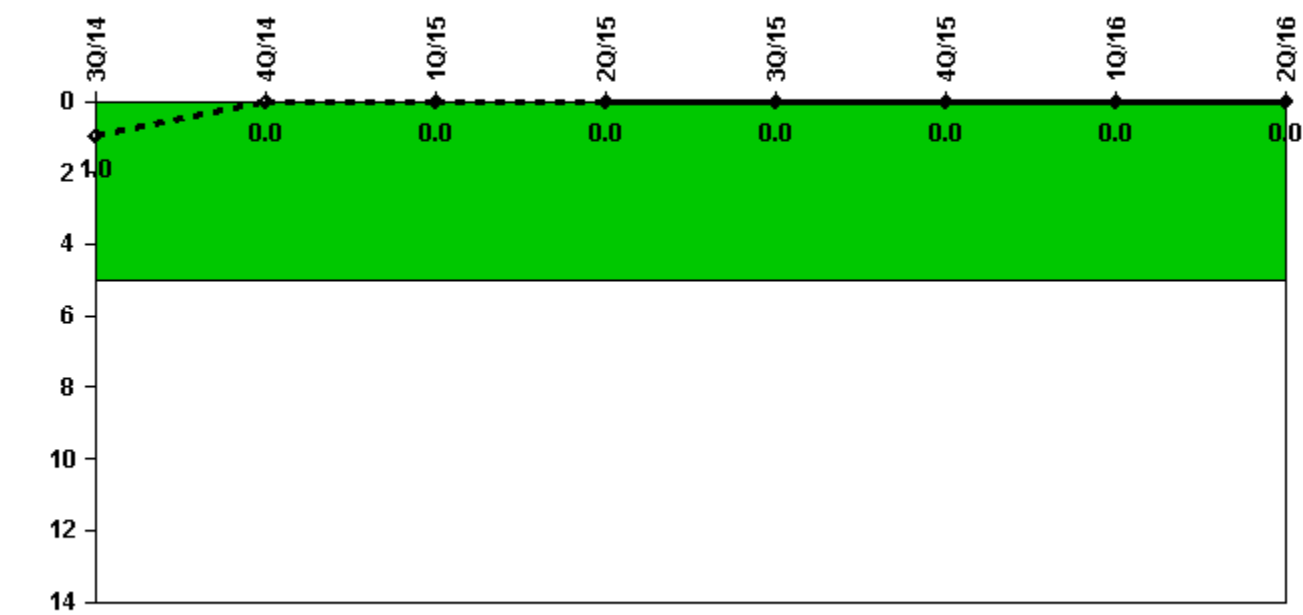
Thresholds: White > 1.0

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: none

Safety System Functional Failures (PWR)



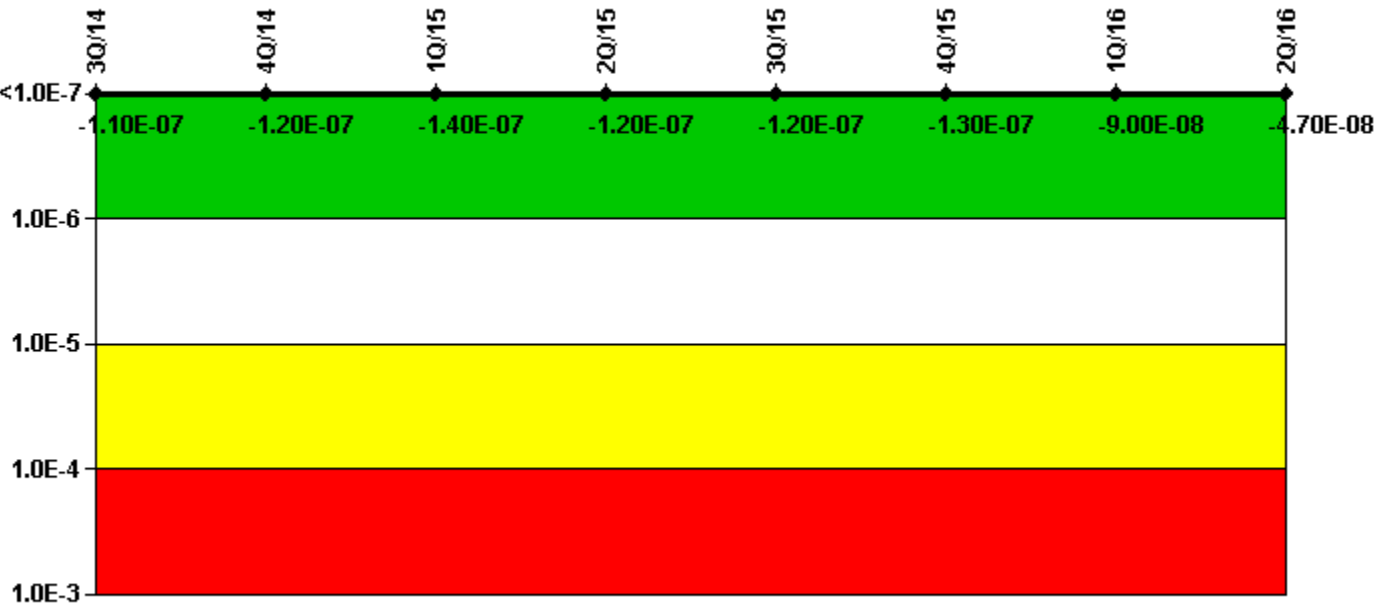
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



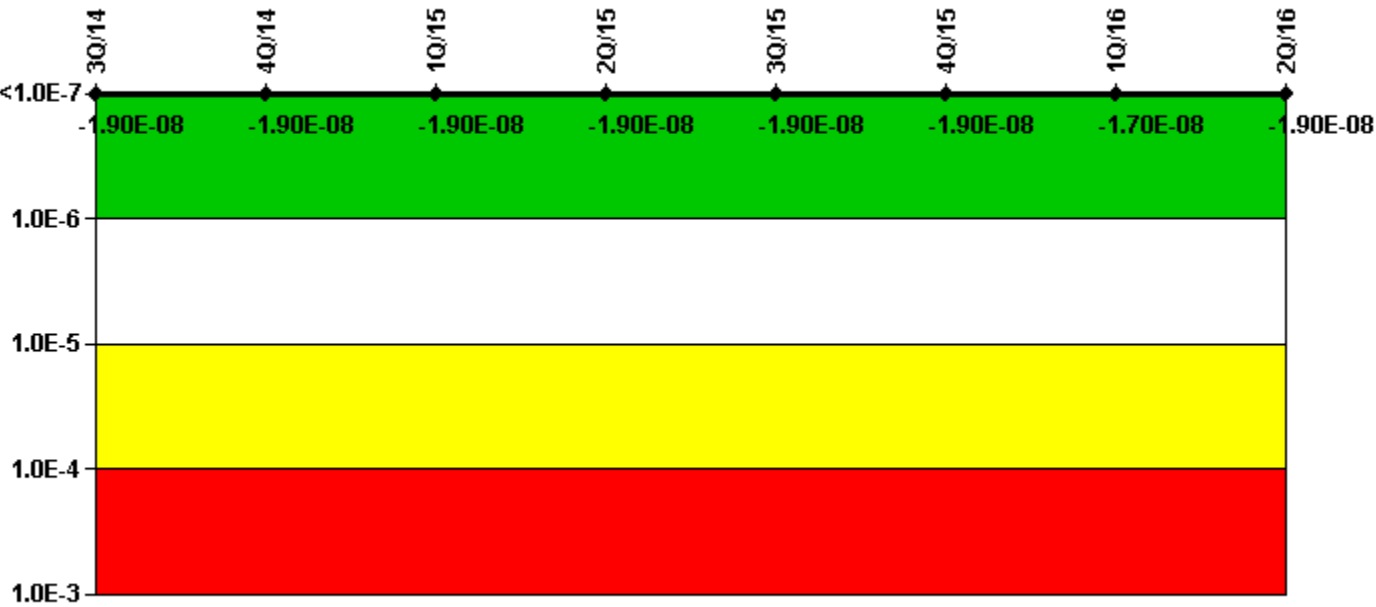
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	6.97E-08	6.42E-08	4.68E-08	6.18E-08	5.88E-08	5.71E-08	9.25E-08	1.36E-07
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.20E-07	-1.40E-07	-1.20E-07	-1.20E-07	-1.30E-07	-9.00E-08	-4.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



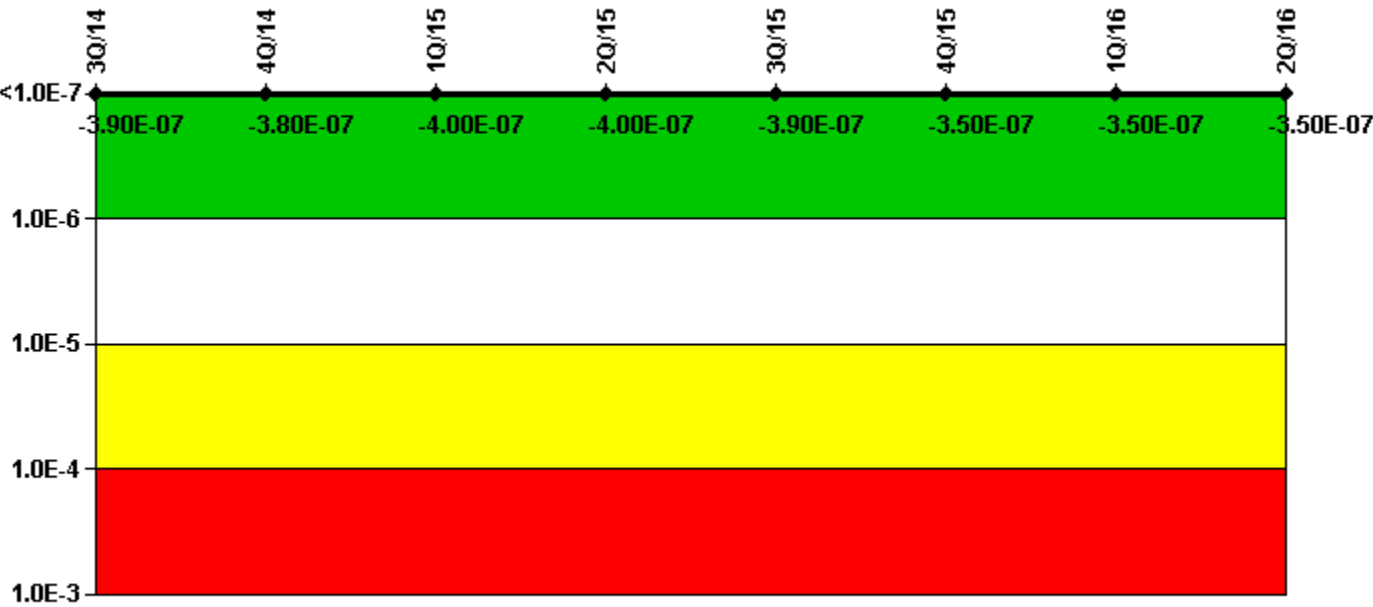
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	-7.78E-09	-7.73E-09	-7.73E-09	-7.71E-09	-7.67E-09	-7.67E-09	-5.31E-09	-7.67E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.70E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



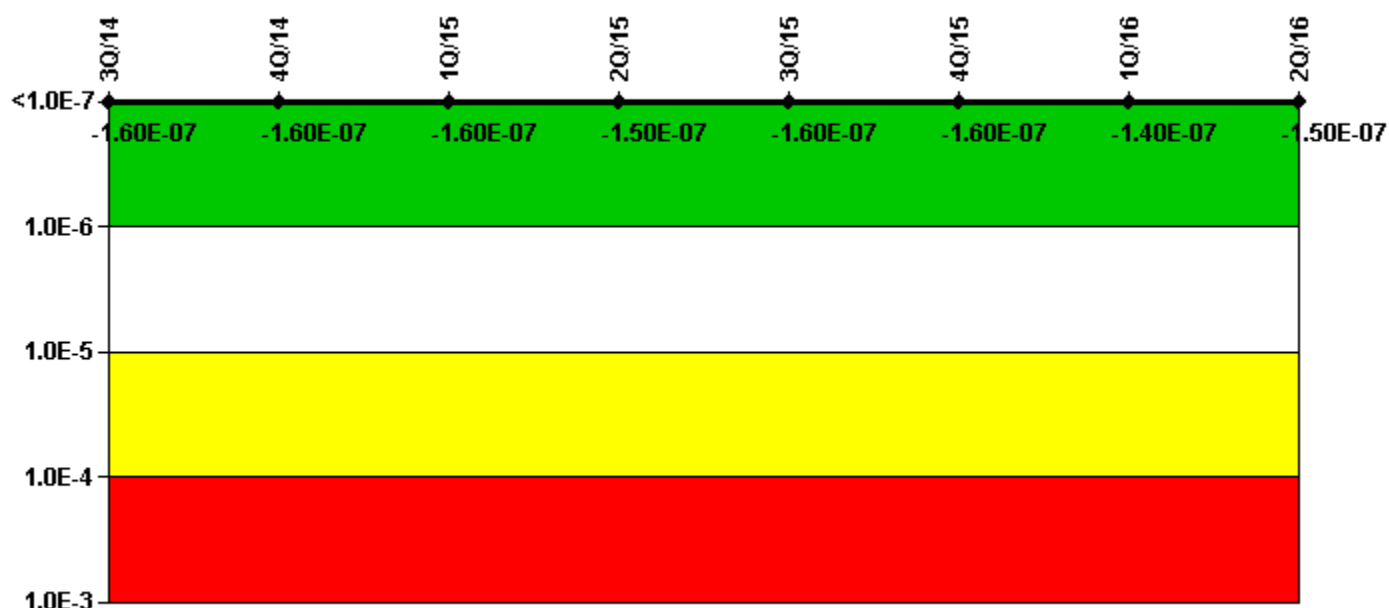
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	-3.76E-08	-3.16E-08	-4.45E-08	-4.44E-08	-3.31E-08	-1.24E-09	-2.13E-09	-1.13E-09
URI (ΔCDF)	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-07	-3.80E-07	-4.00E-07	-4.00E-07	-3.90E-07	-3.50E-07	-3.50E-07	-3.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



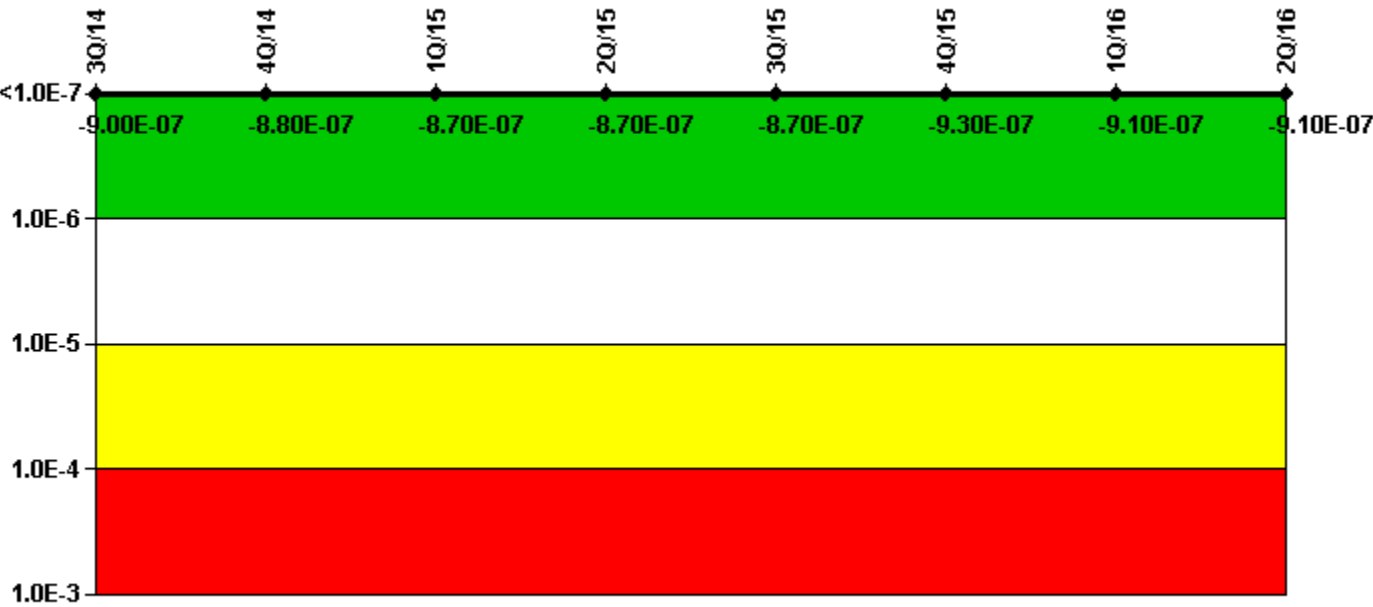
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-1.81E-08	-1.81E-08	-1.81E-08	-1.05E-08	-1.58E-08	-1.40E-08	1.31E-10	-3.44E-09
URI (Δ CDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.60E-07	-1.60E-07	-1.40E-07	-1.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



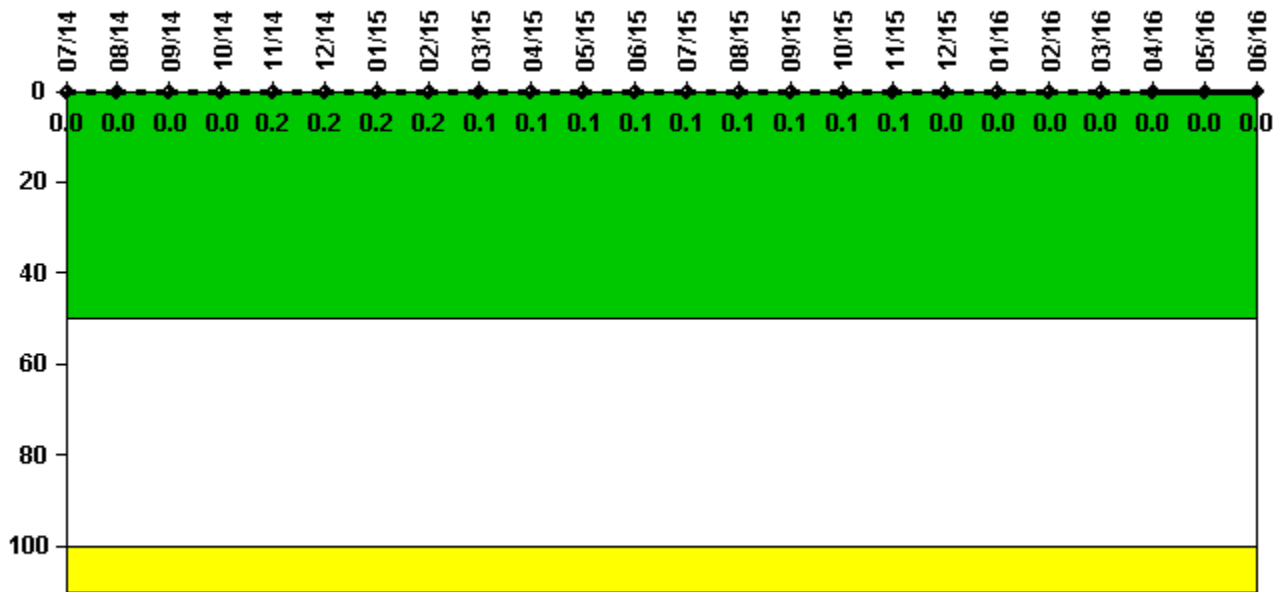
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	-4.53E-07	-4.36E-07	-4.27E-07	-4.18E-07	-4.18E-07	-4.82E-07	-4.67E-07	-4.67E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-07	-8.80E-07	-8.70E-07	-8.70E-07	-8.70E-07	-9.30E-07	-9.10E-07	-9.10E-07

Licensee Comments: none

Reactor Coolant System Activity



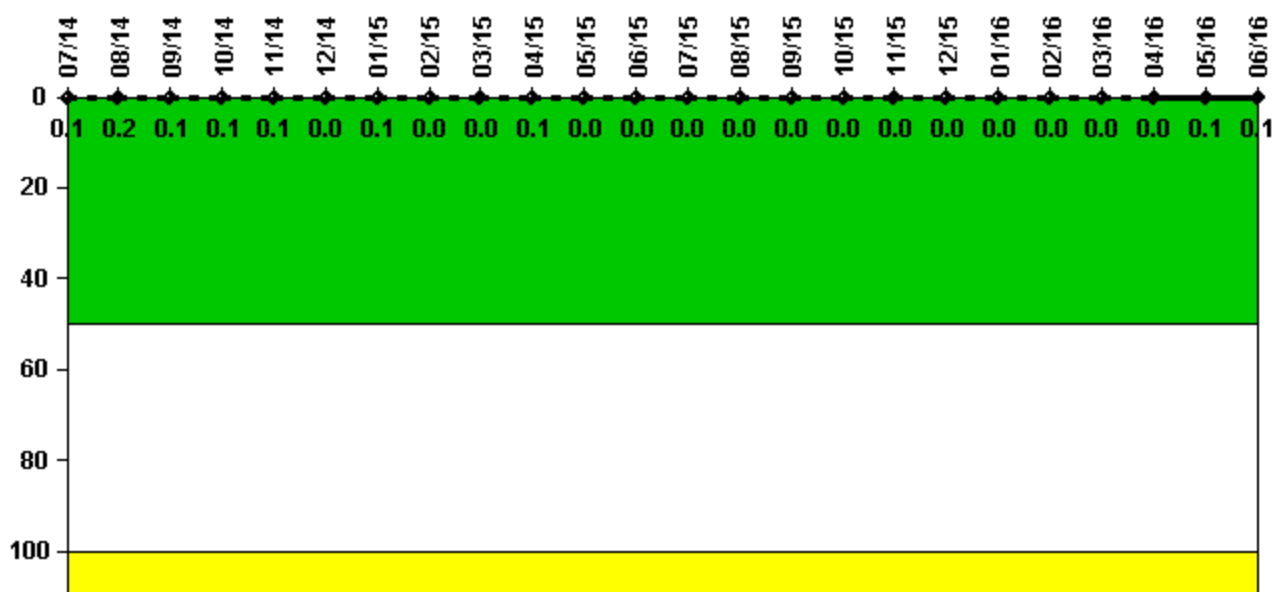
Thresholds: White > 50.0 Yellow > 100.0

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	0.000054	0.000037	0.000068	0.000049	0.000774	0.000856	0.000841	0.000705	0.000482	0.000622	0.000570	0.000299
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
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	0.000371	0.000323	0.000418	0.000552	0.000650	0.000122	0.000079	0.000073	0.000079	0.000085	0.000098	0.000123
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



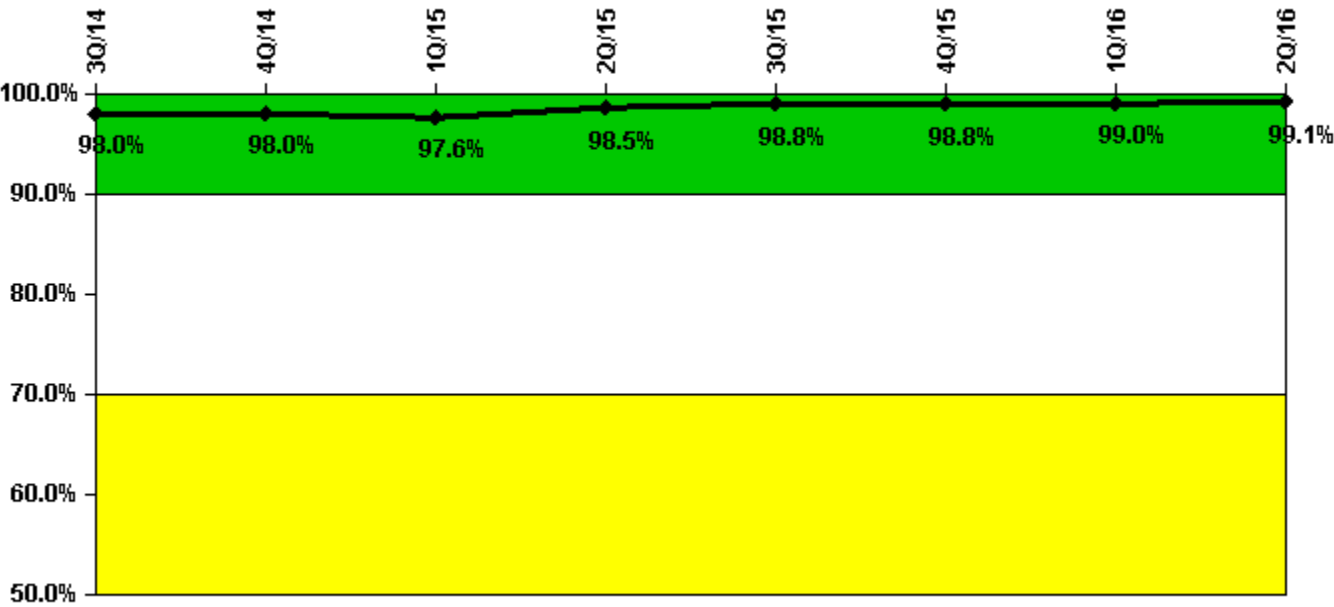
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.007	0.015	0.011	0.006	0.007	0.003	0.005	0.003	0.003	0.005	0.003	0.003
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.2	0.1	0.1	0.1	0	0.1	0	0	0.1	0	0
Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.004	0.004	0.003	0.004	0.004	0.004	0.002	0.003	0.004	0.004	0.006	0.008
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0.1	0.1

Licensee Comments: none

Drill/Exercise Performance



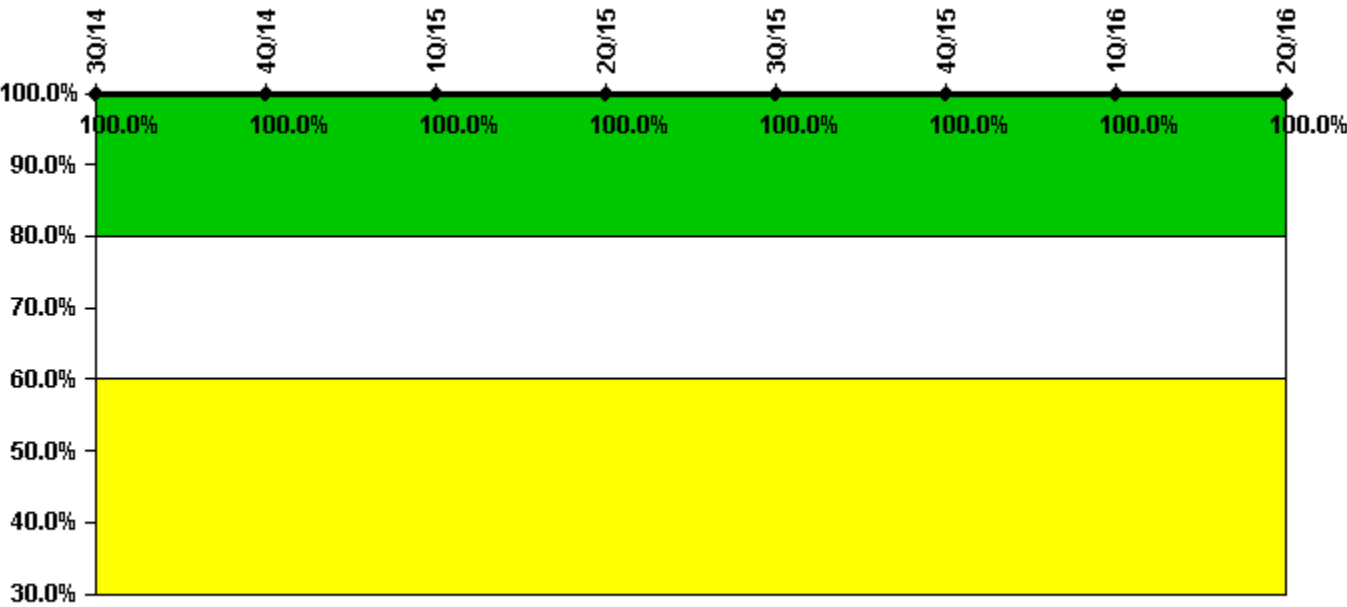
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	91.0	20.0	27.0	37.0	44.0	46.0	38.0	24.0
Total opportunities	92.0	20.0	28.0	37.0	45.0	46.0	38.0	24.0
Indicator value	98.0%	98.0%	97.6%	98.5%	98.8%	98.8%	99.0%	99.1%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

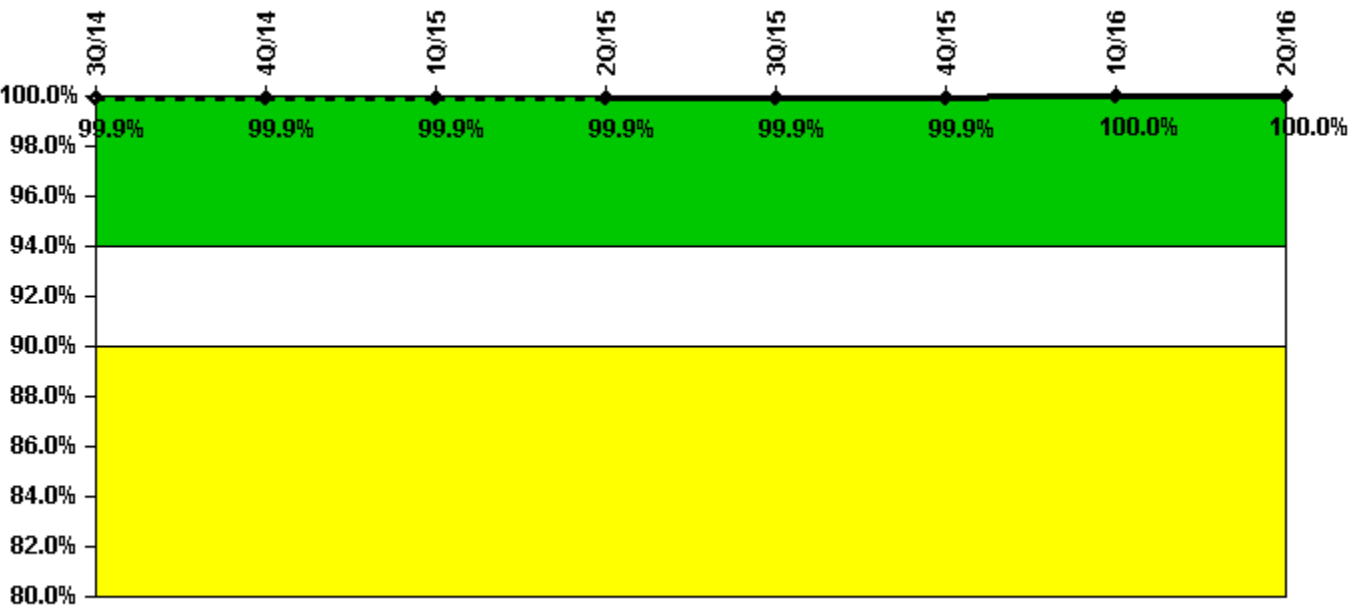
Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	133.0	133.0	139.0	130.0	125.0	130.0	131.0	130.0
Total Key personnel	133.0	133.0	139.0	130.0	125.0	130.0	131.0	130.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

1Q/16: Revised to add an active shift manager that was not counted for participation. The shift manager holds 2 positions, Emergency Coordinator & off-site communicator. Nuclear Condition Report 02043466 written. This does not affect the overall percentage.

Alert & Notification System



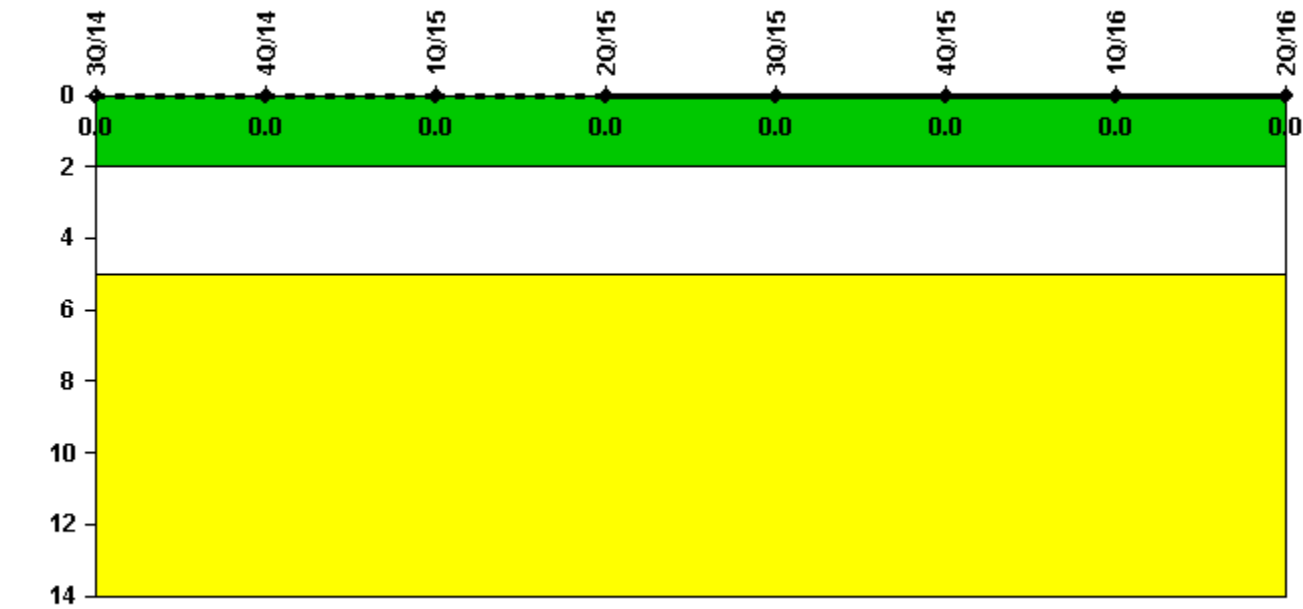
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	2490	2402	2375	2402	2402	2492	2402	2403
Total sirens-tests	2492	2403	2379	2403	2403	2492	2402	2403
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



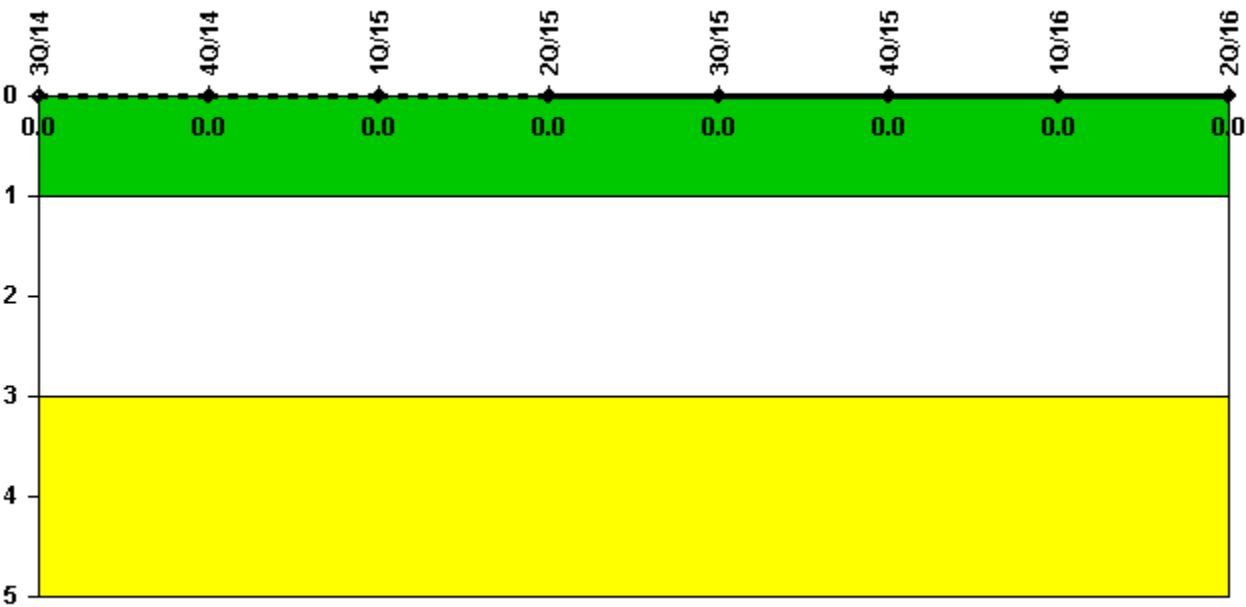
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

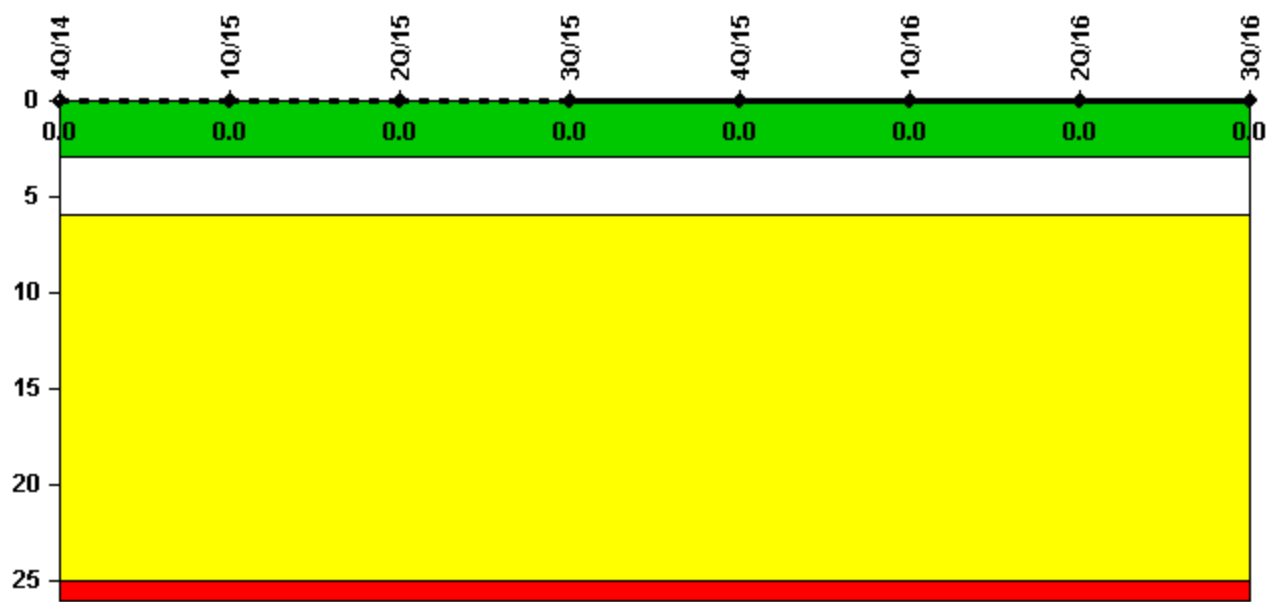
Catawba 1

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



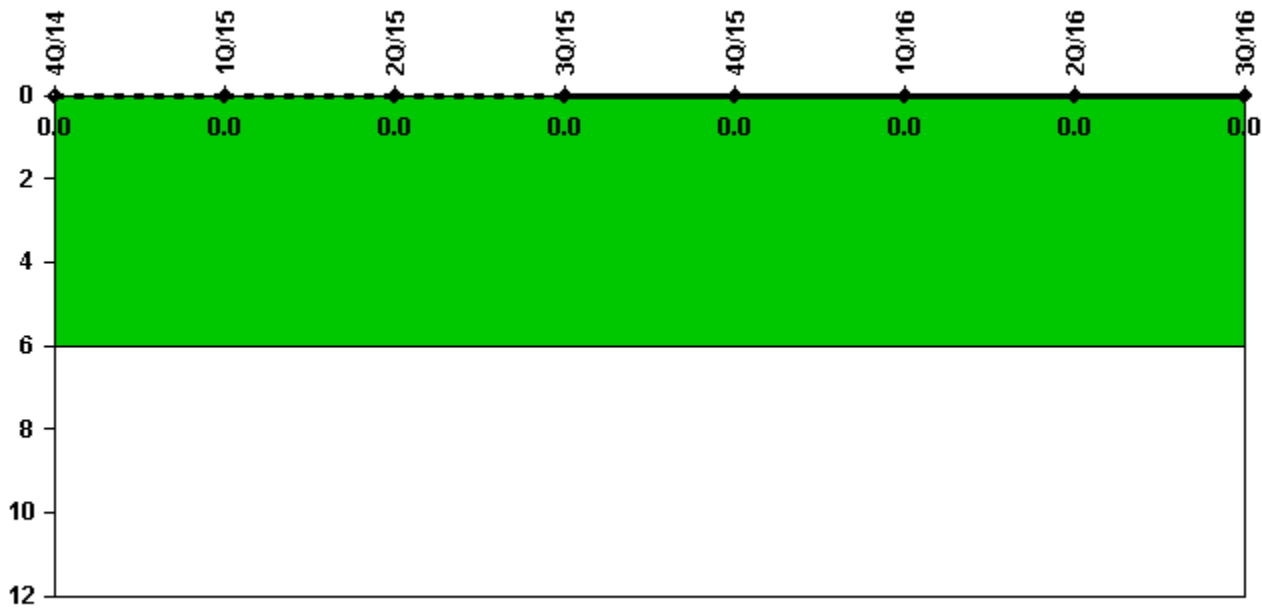
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1600.2	2183.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



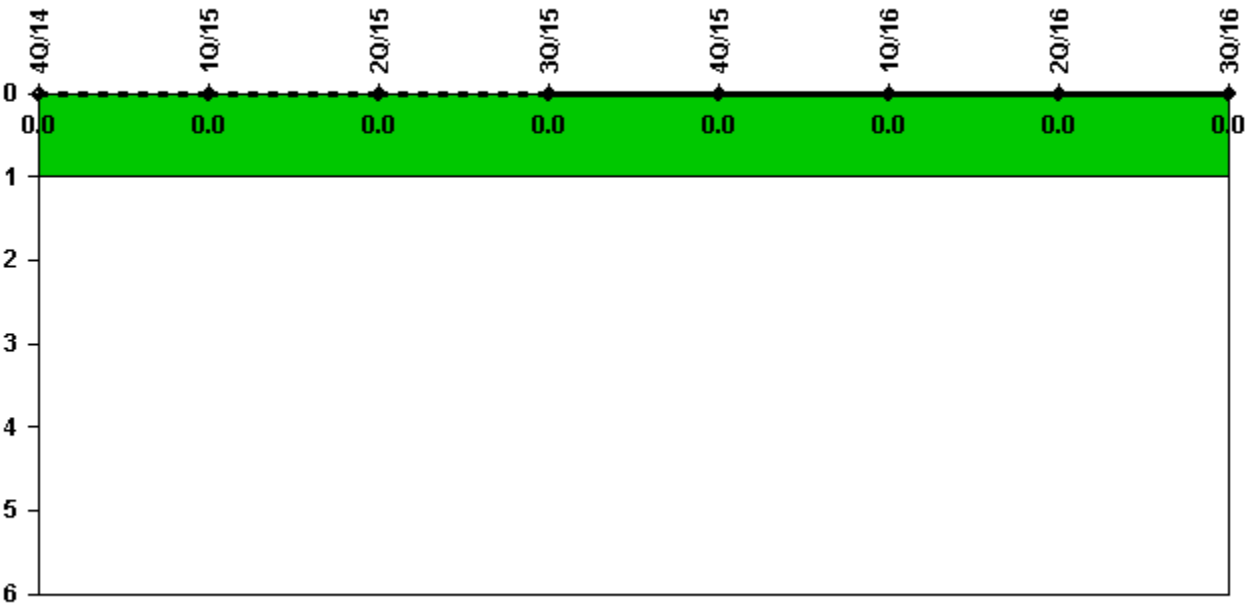
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1600.2	2183.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



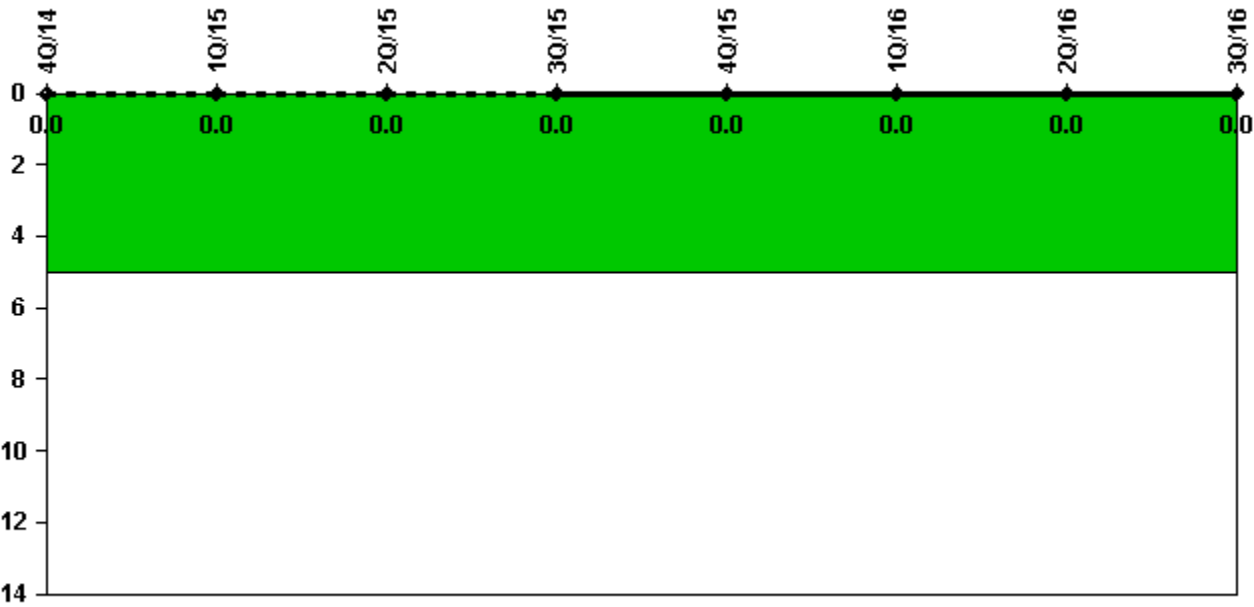
Thresholds: White > 1.0

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: none

Safety System Functional Failures (PWR)



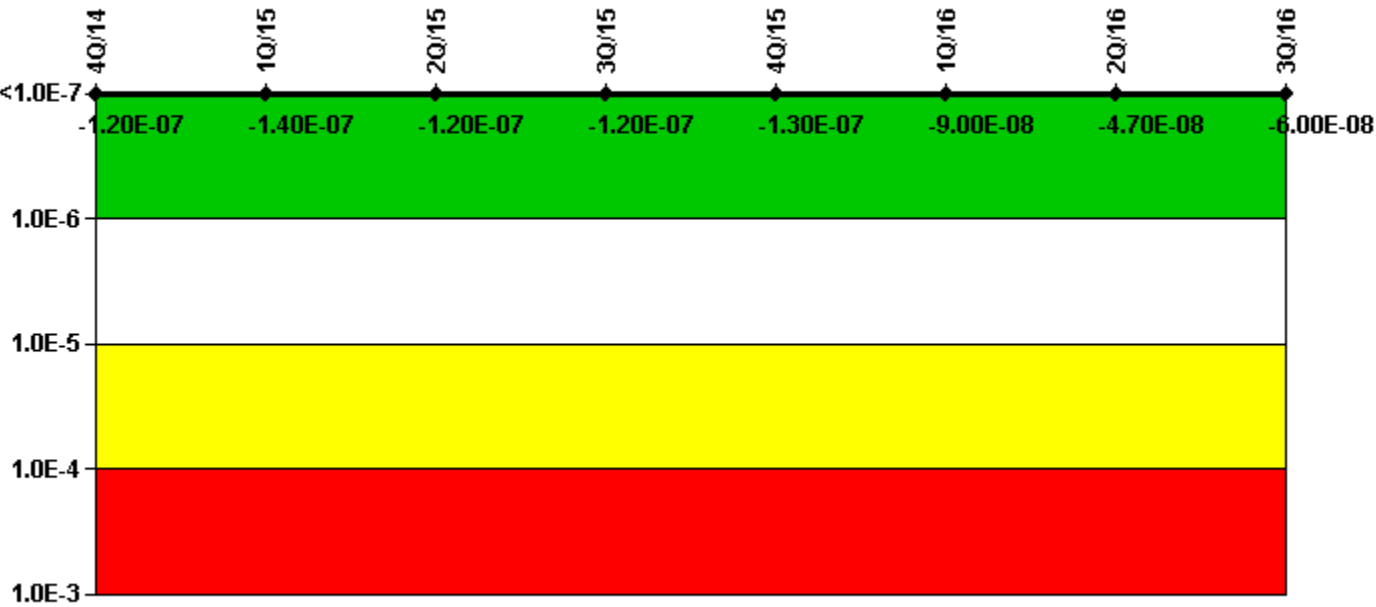
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



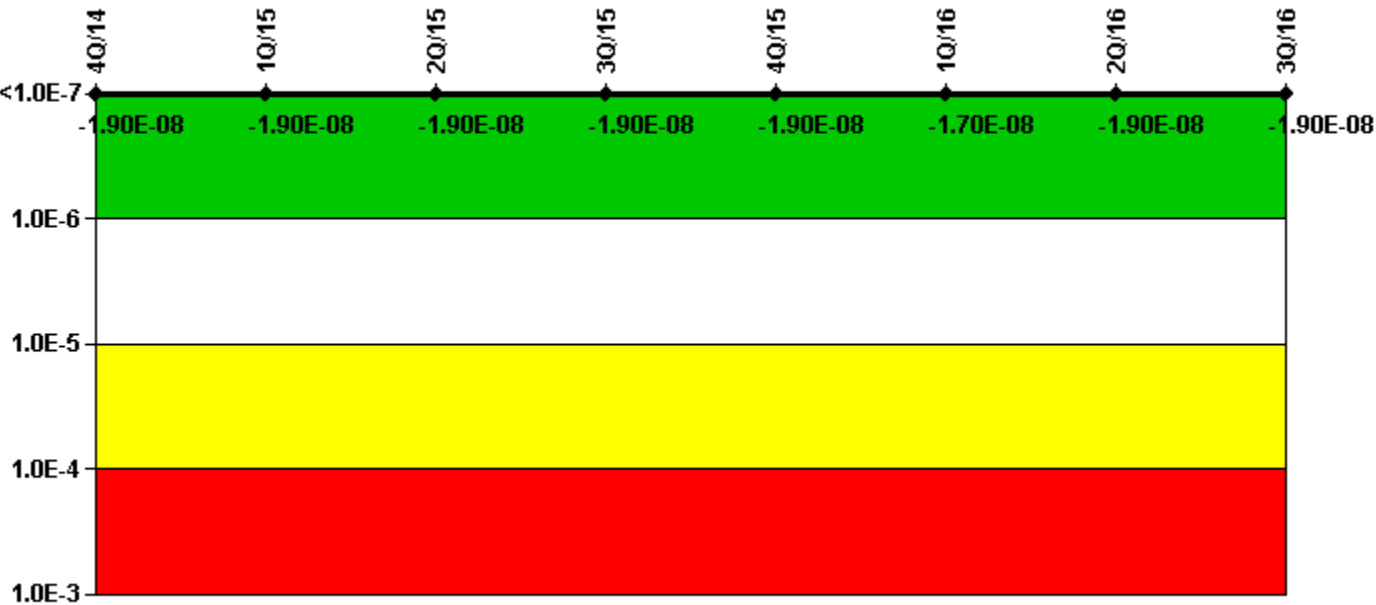
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	6.42E-08	4.68E-08	6.18E-08	5.88E-08	5.71E-08	9.25E-08	1.36E-07	1.23E-07
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.40E-07	-1.20E-07	-1.20E-07	-1.30E-07	-9.00E-08	-4.70E-08	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



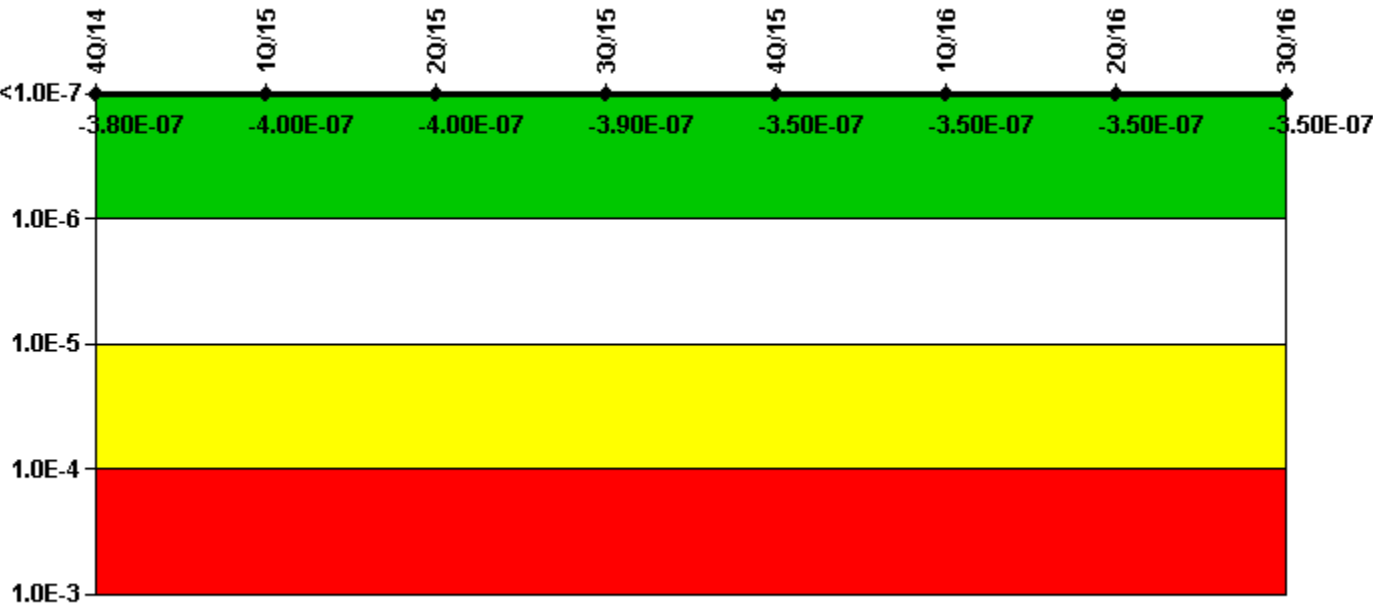
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-7.73E-09	-7.73E-09	-7.71E-09	-7.67E-09	-7.67E-09	-5.31E-09	-7.67E-09	-7.67E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.70E-08	-1.90E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



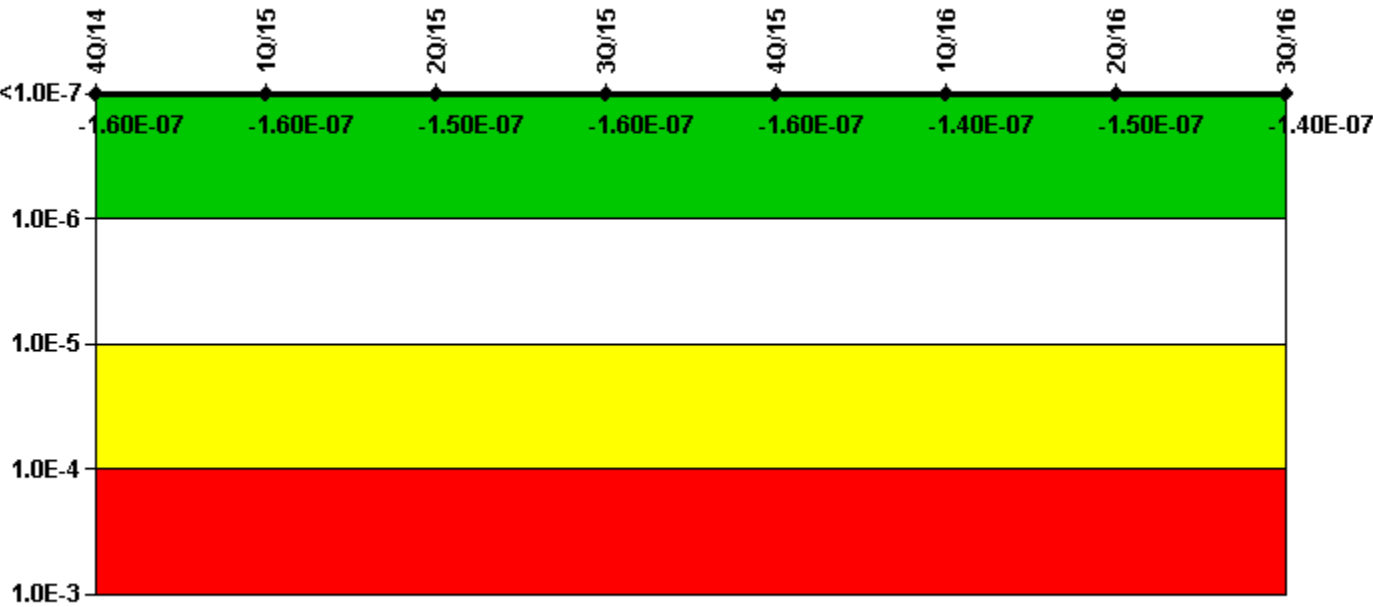
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-3.16E-08	-4.45E-08	-4.44E-08	-3.31E-08	-1.24E-09	-2.13E-09	-1.13E-09	-1.13E-09
URI (ΔCDF)	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-07	-4.00E-07	-4.00E-07	-3.90E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



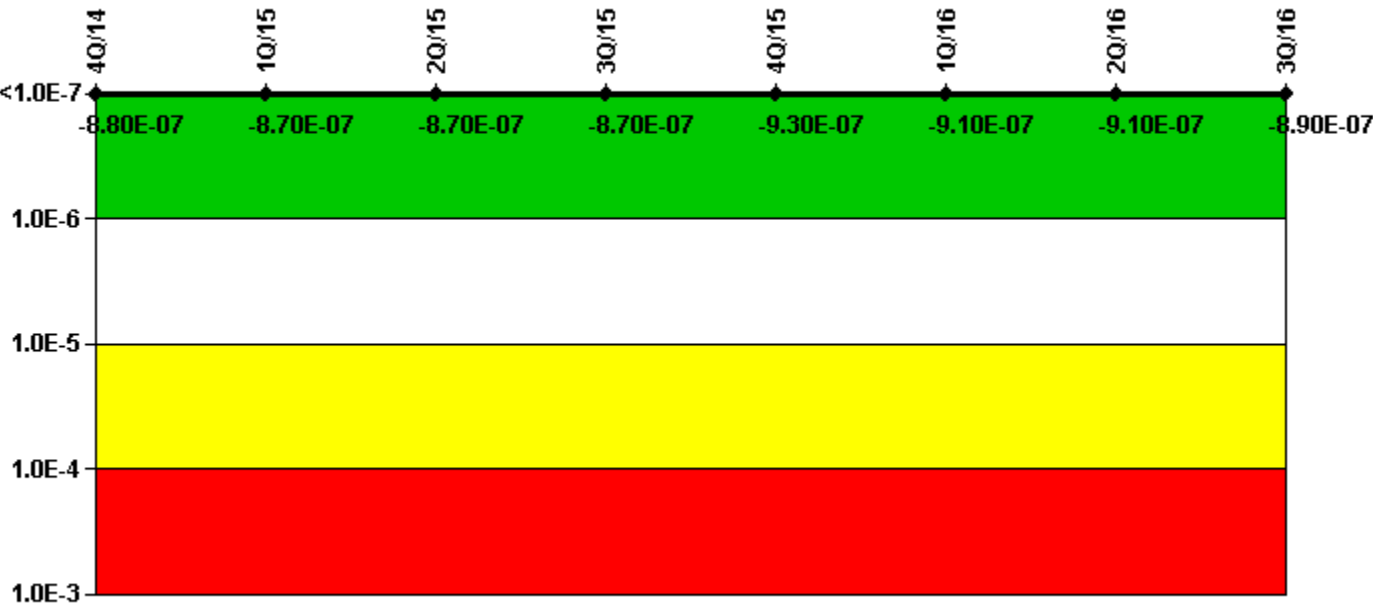
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-1.81E-08	-1.81E-08	-1.05E-08	-1.58E-08	-1.40E-08	1.31E-10	-3.44E-09	-2.63E-10
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.50E-07	-1.60E-07	-1.60E-07	-1.40E-07	-1.50E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



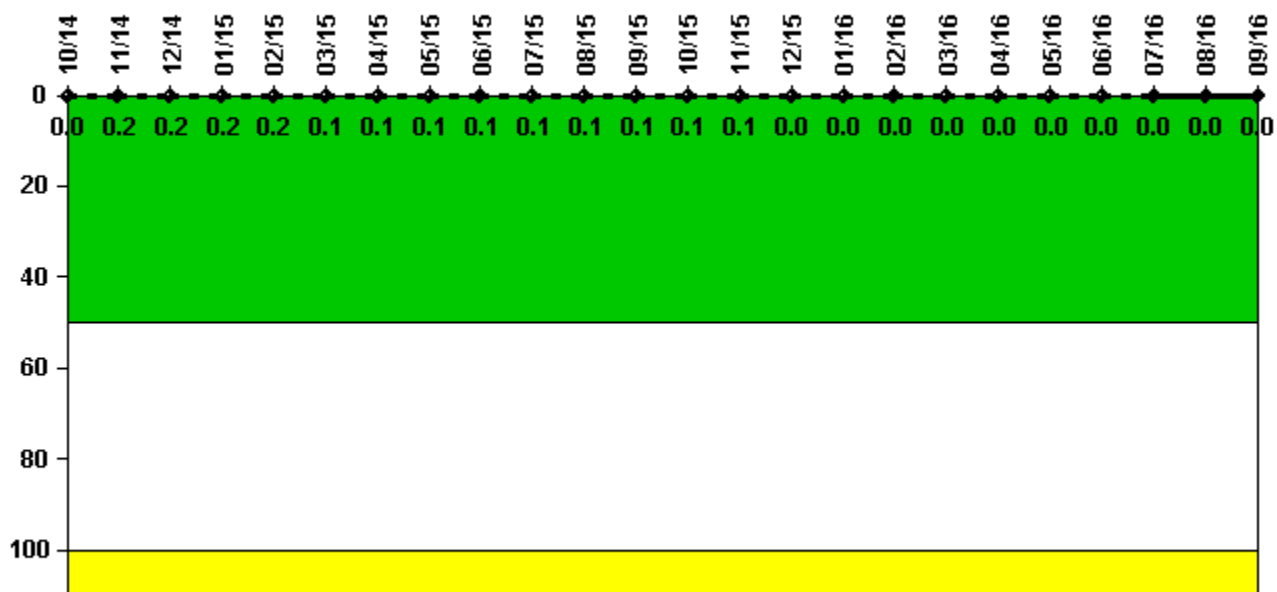
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-4.36E-07	-4.27E-07	-4.18E-07	-4.18E-07	-4.82E-07	-4.67E-07	-4.67E-07	-4.47E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.80E-07	-8.70E-07	-8.70E-07	-8.70E-07	-9.30E-07	-9.10E-07	-9.10E-07	-8.90E-07

Licensee Comments: none

Reactor Coolant System Activity



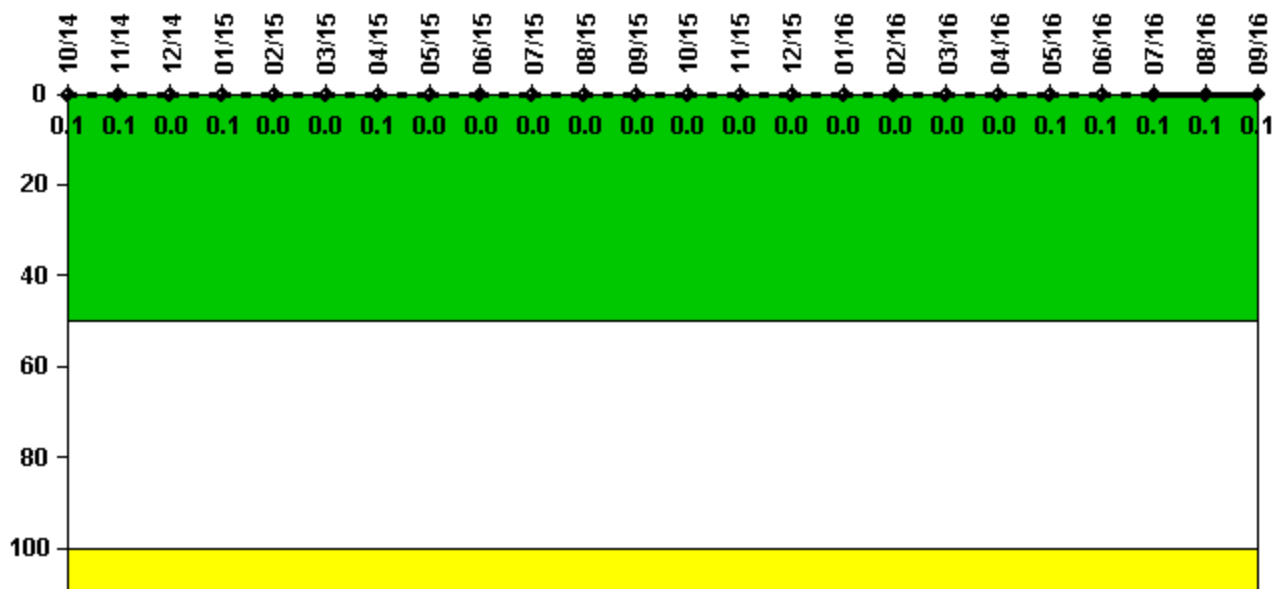
Thresholds: White > 50.0 Yellow > 100.0

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	0.000049	0.000774	0.000856	0.000841	0.000705	0.000482	0.000622	0.000570	0.000299	0.000371	0.000323	0.000418
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000552	0.000650	0.000122	0.000079	0.000073	0.000079	0.000085	0.000098	0.000123	0.000126	0.000136	0.000142
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



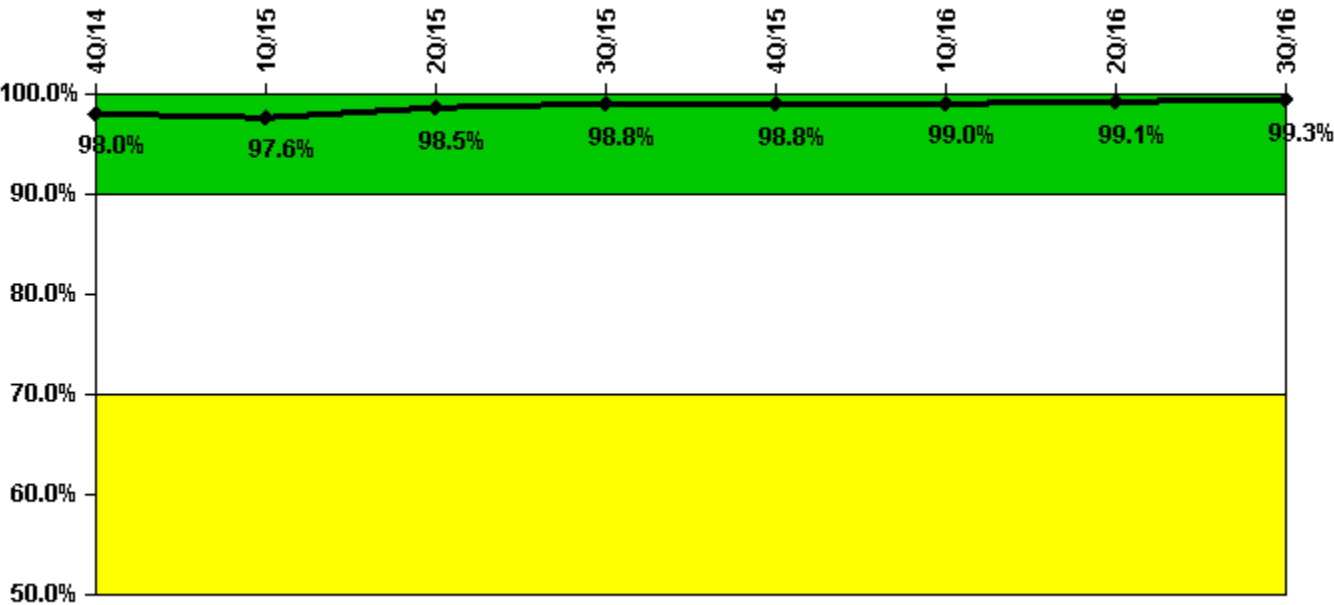
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.006	0.007	0.003	0.005	0.003	0.003	0.005	0.003	0.003	0.004	0.004	0.003
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0	0.1	0	0	0.1	0	0	0	0	0
Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.004	0.004	0.004	0.002	0.003	0.004	0.004	0.006	0.008	0.006	0.008	0.007
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Drill/Exercise Performance



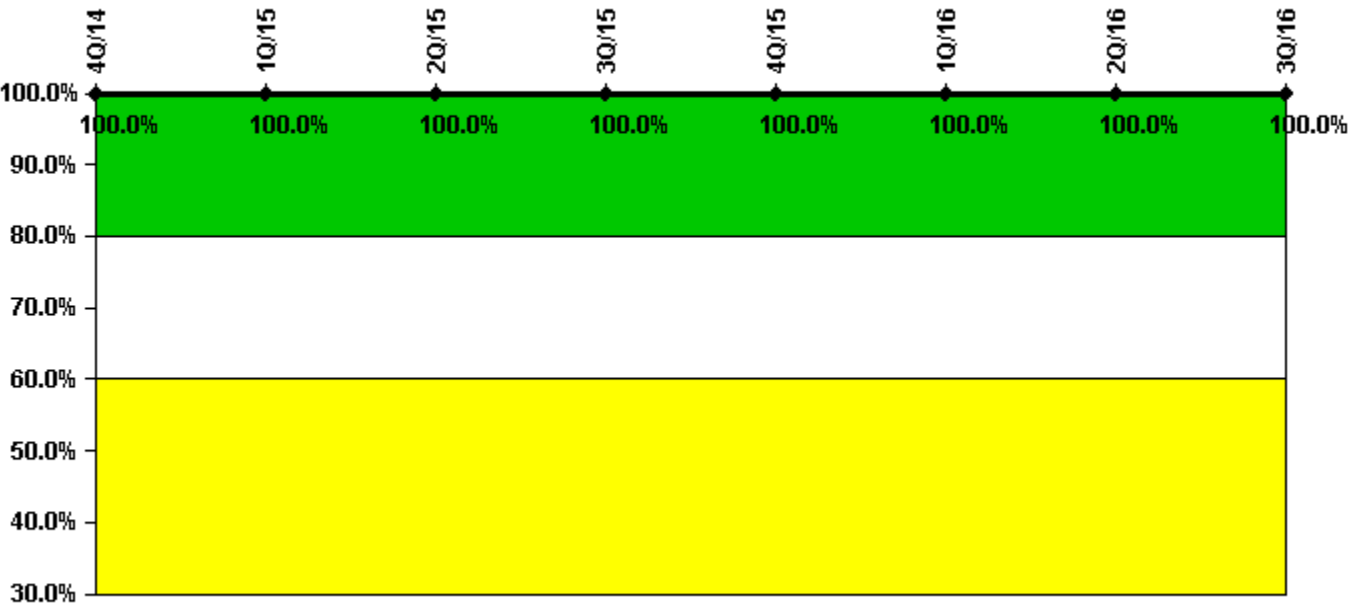
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	20.0	27.0	37.0	44.0	46.0	38.0	24.0	61.0
Total opportunities	20.0	28.0	37.0	45.0	46.0	38.0	24.0	61.0
Indicator value	98.0%	97.6%	98.5%	98.8%	98.8%	99.0%	99.1%	99.3%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

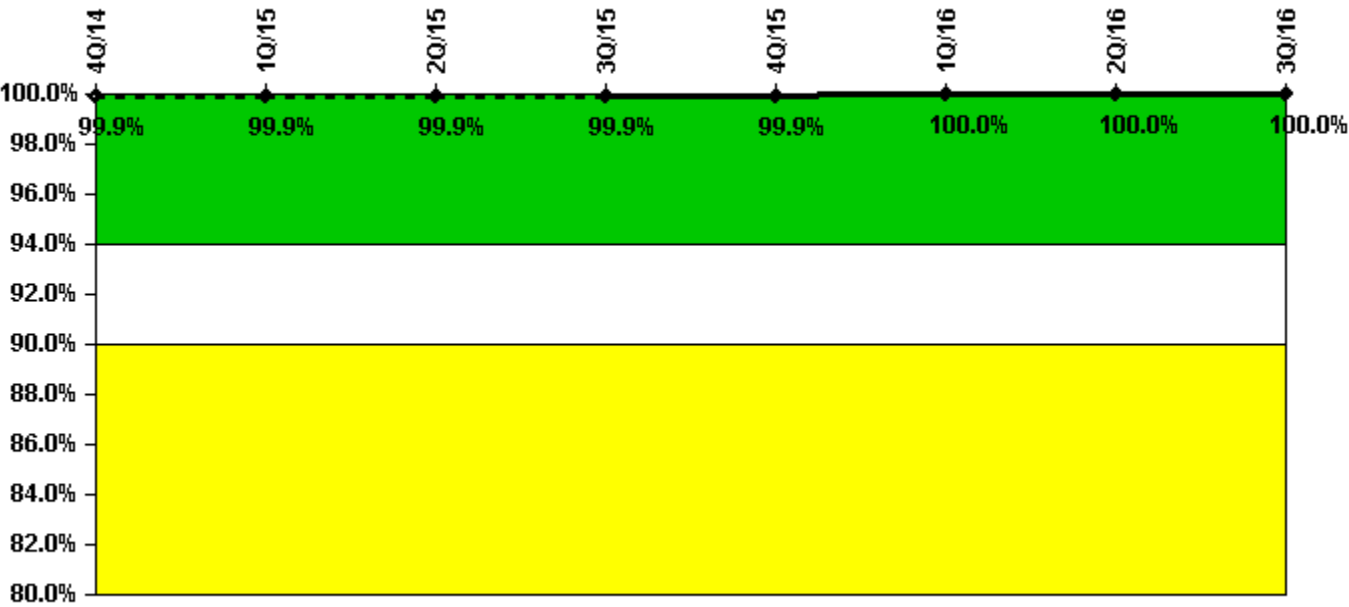
Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	133.0	139.0	130.0	125.0	130.0	131.0	130.0	131.0
Total Key personnel	133.0	139.0	130.0	125.0	130.0	131.0	130.0	131.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

1Q/16: Revised to add an active shift manager that was not counted for participation. The shift manager holds 2 positions, Emergency Coordinator & off-site communicator. Nuclear Condition Report 02043466 written. This does not affect the overall percentage.

Alert & Notification System



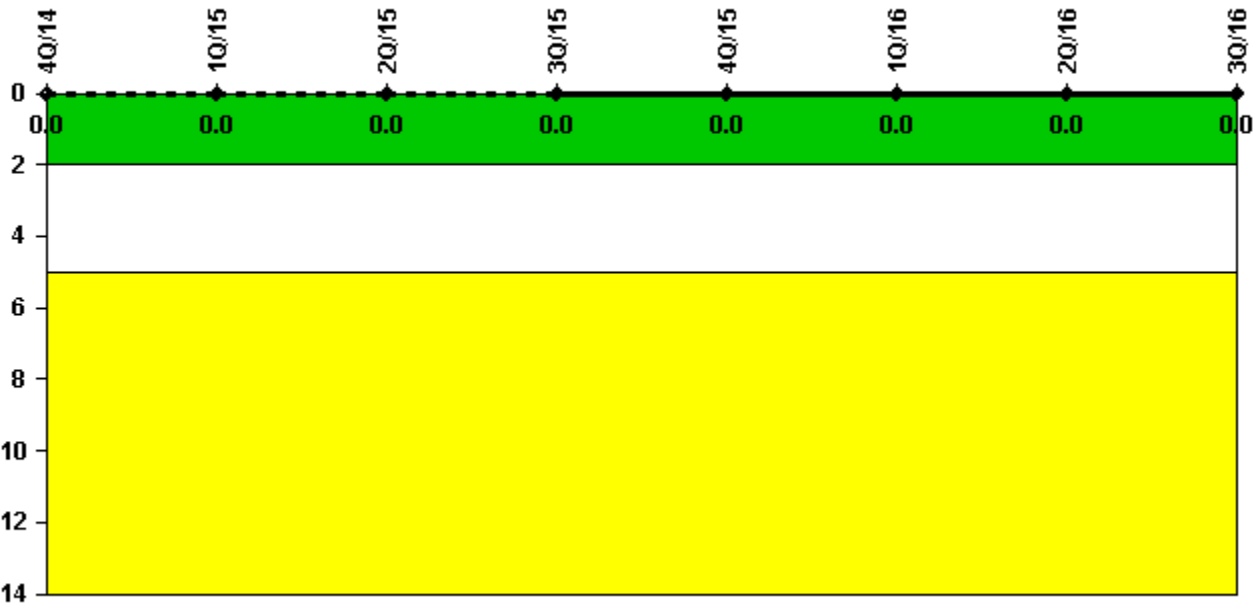
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	2402	2375	2402	2402	2492	2402	2403	2402
Total sirens-tests	2403	2379	2403	2403	2492	2402	2403	2402
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



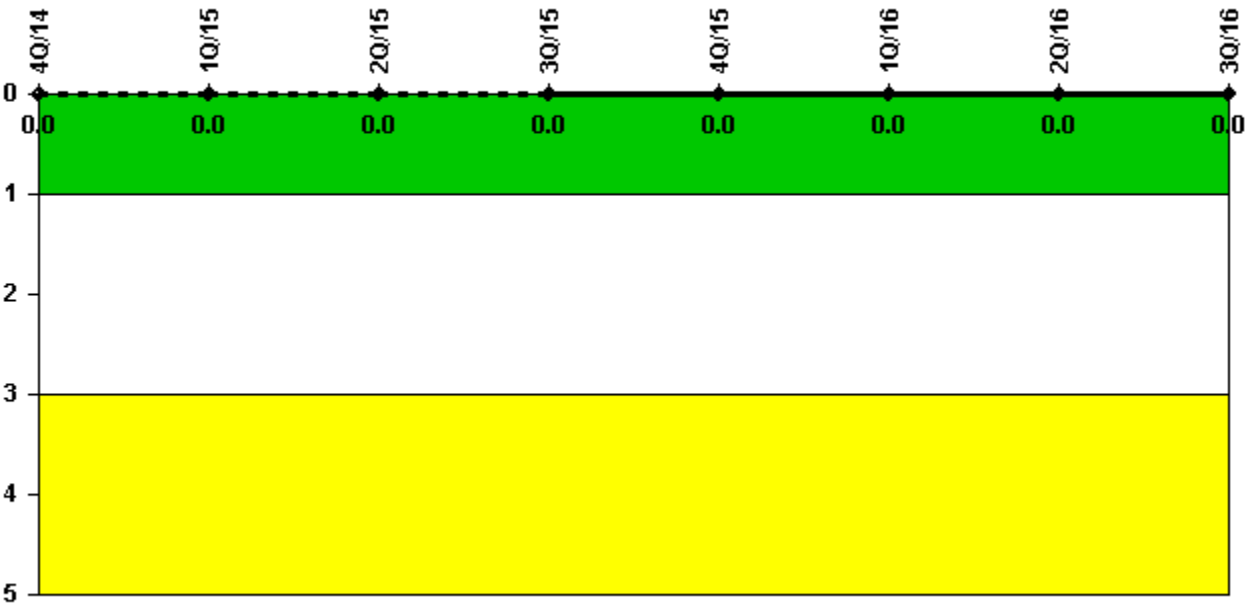
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

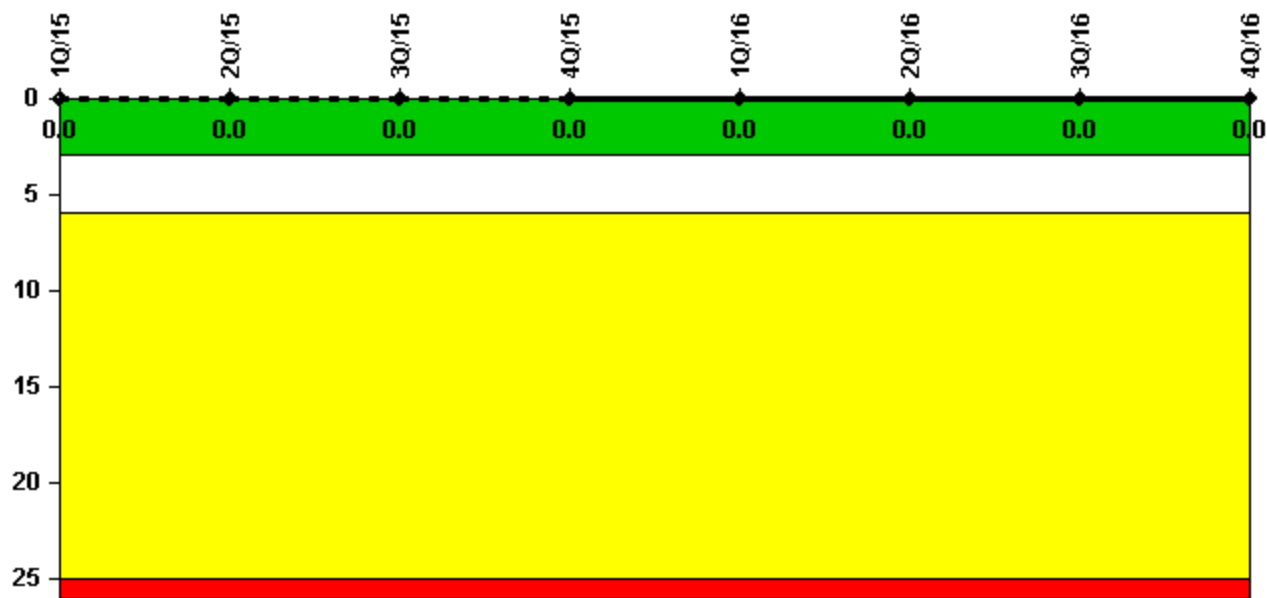
Catawba 1

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



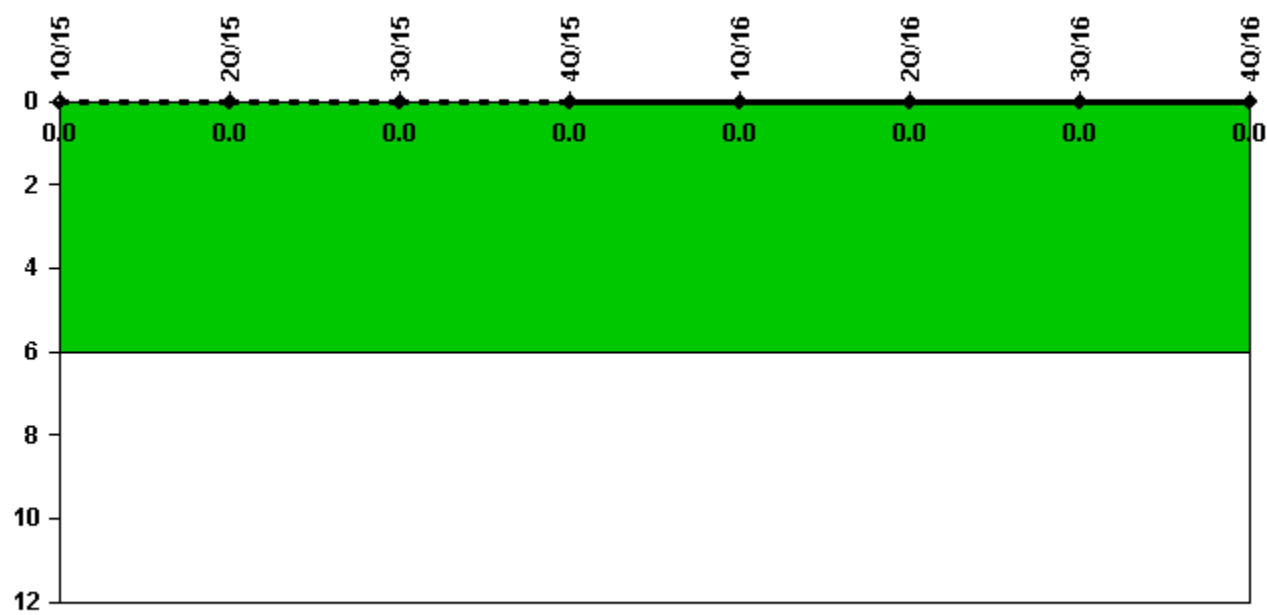
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1600.2	2183.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



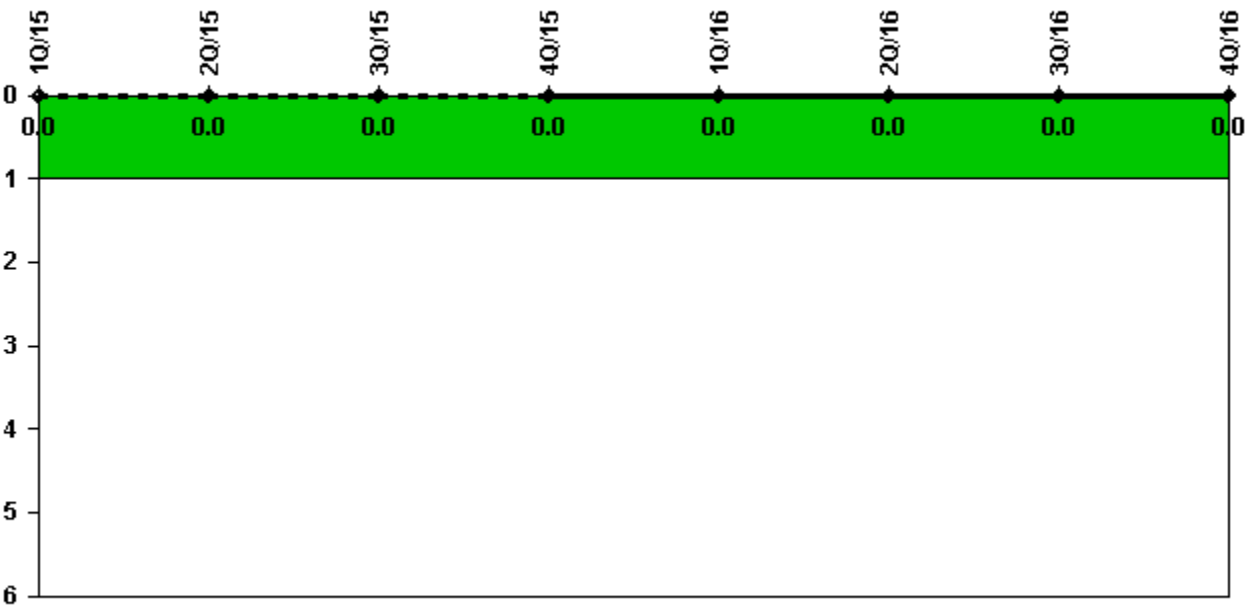
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1600.2	2183.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



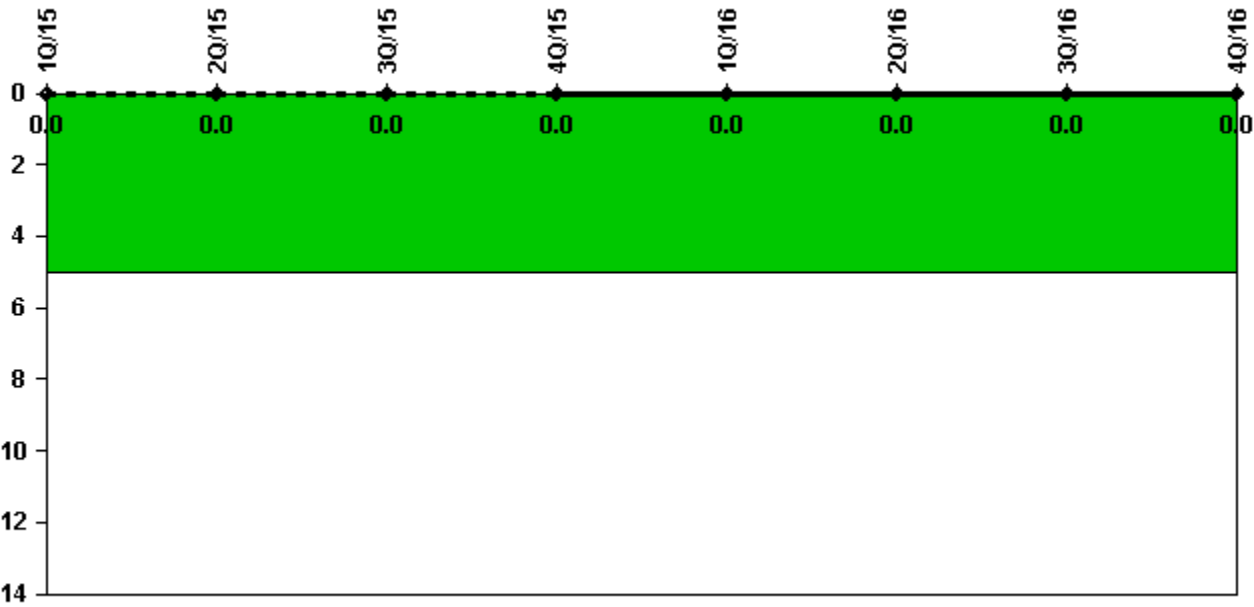
Thresholds: White > 1.0

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 (PWR)



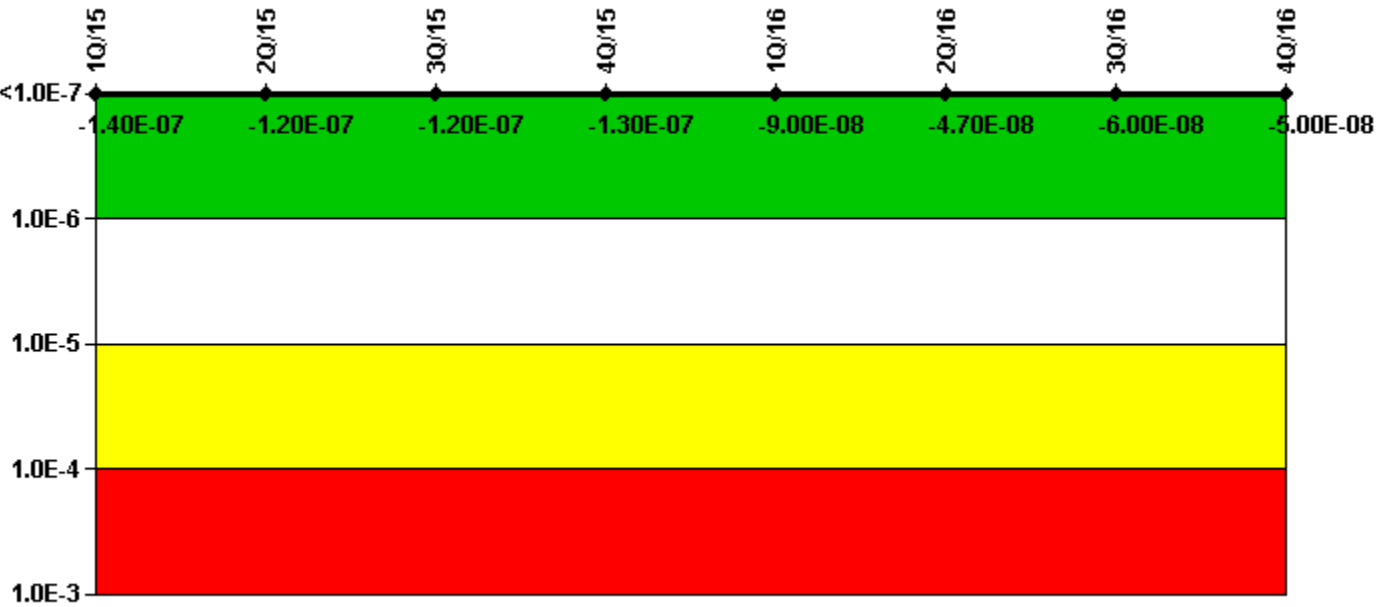
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



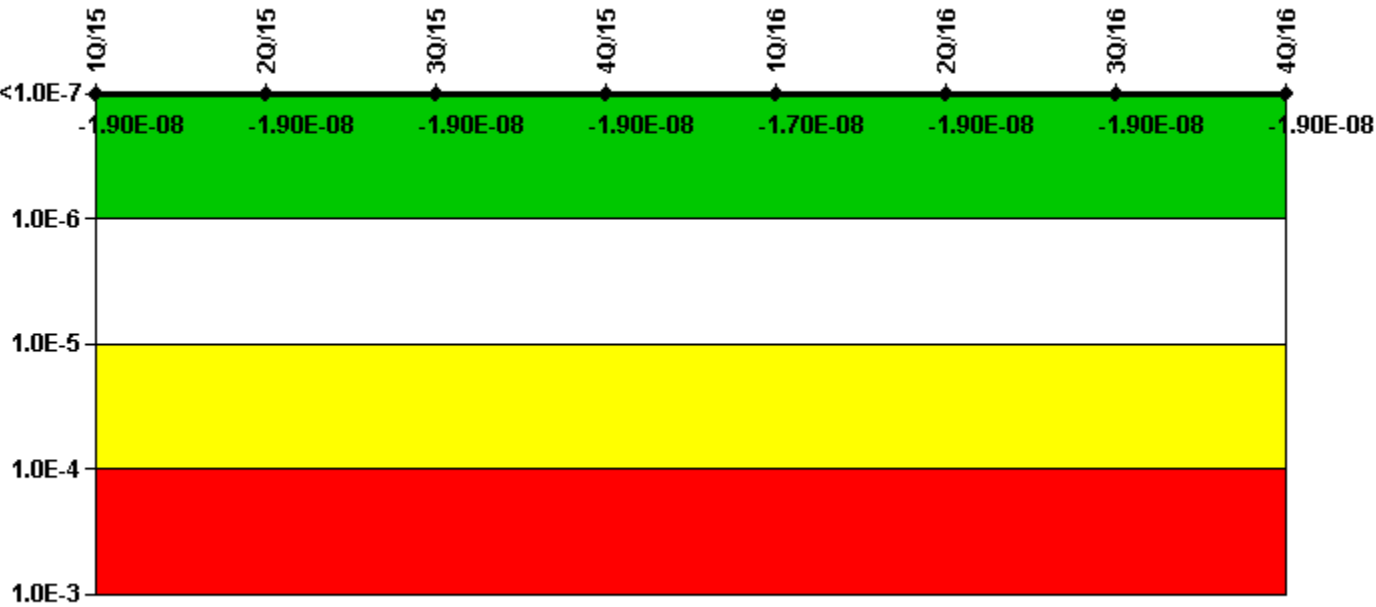
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	4.68E-08	6.18E-08	5.88E-08	5.71E-08	9.25E-08	1.36E-07	1.23E-07	1.33E-07
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-1.20E-07	-1.20E-07	-1.30E-07	-9.00E-08	-4.70E-08	-6.00E-08	-5.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



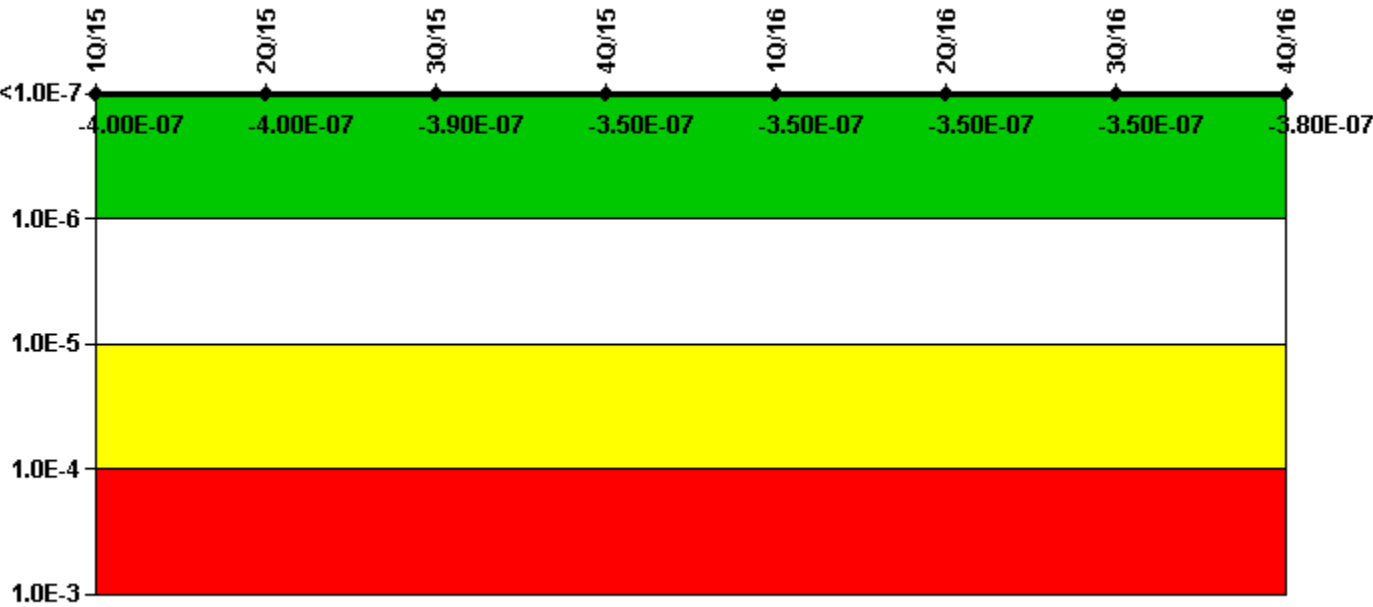
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-7.73E-09	-7.71E-09	-7.67E-09	-7.67E-09	-5.31E-09	-7.67E-09	-7.67E-09	-7.76E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



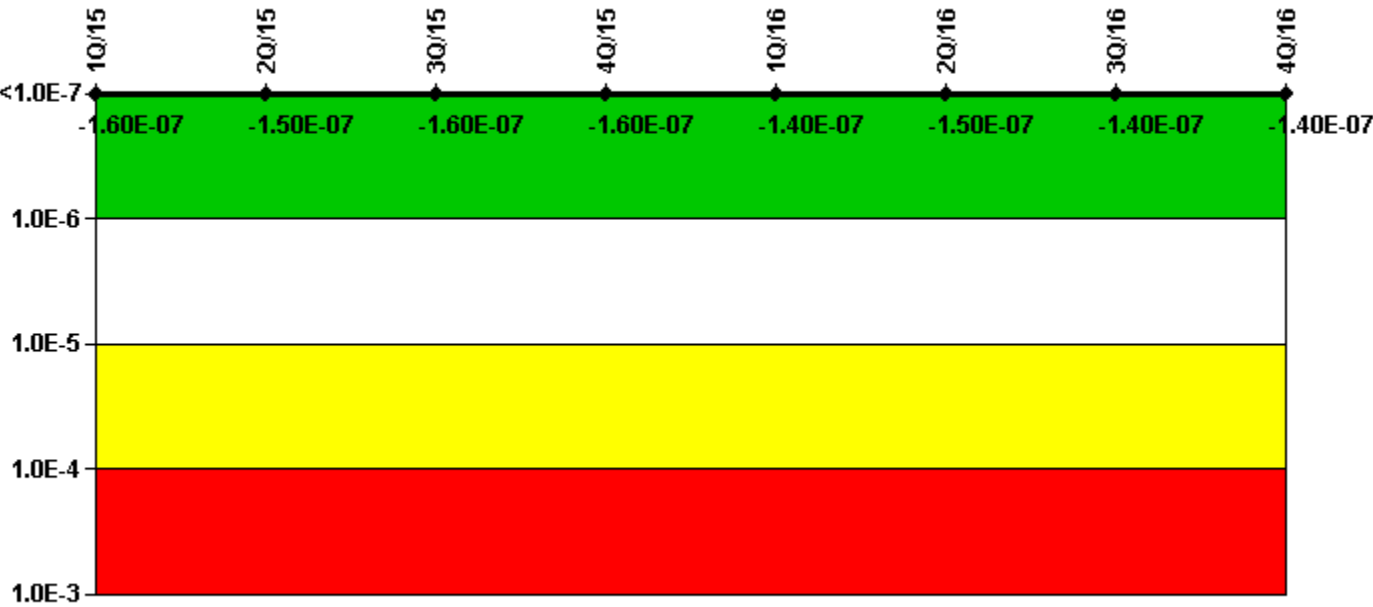
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-4.45E-08	-4.44E-08	-3.31E-08	-1.24E-09	-2.13E-09	-1.13E-09	-1.13E-09	-2.55E-08
URI (ΔCDF)	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-07	-4.00E-07	-3.90E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



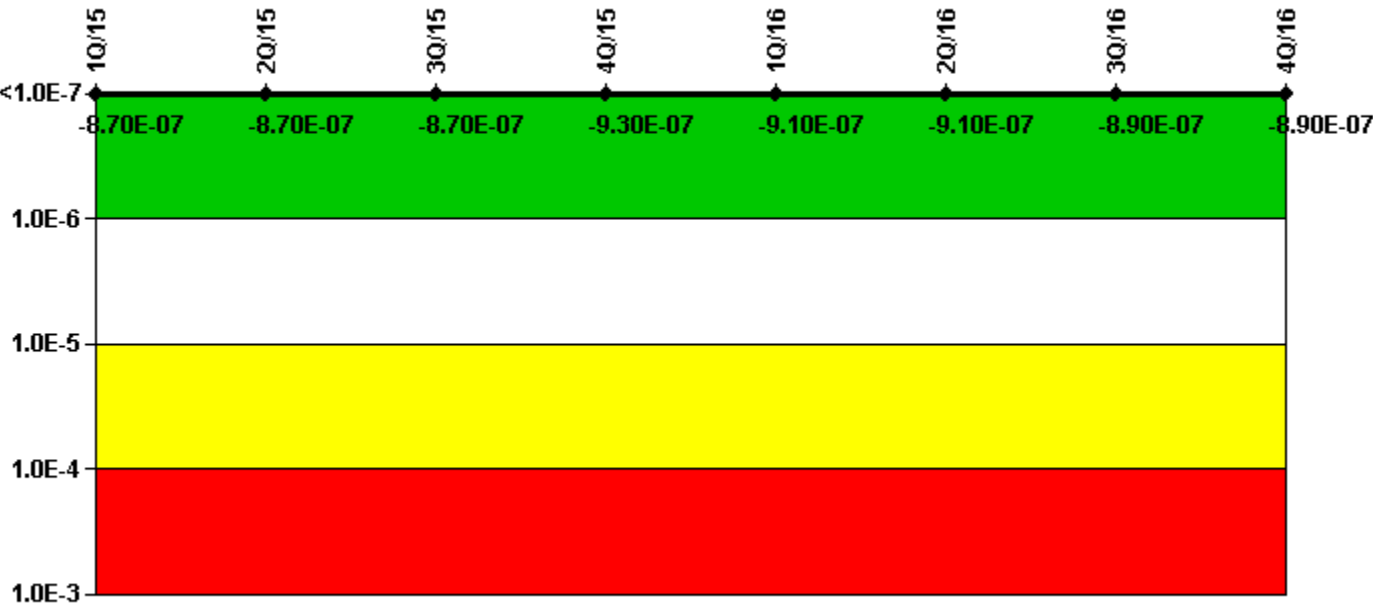
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-1.81E-08	-1.05E-08	-1.58E-08	-1.40E-08	1.31E-10	-3.44E-09	-2.63E-10	8.36E-09
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.50E-07	-1.60E-07	-1.60E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



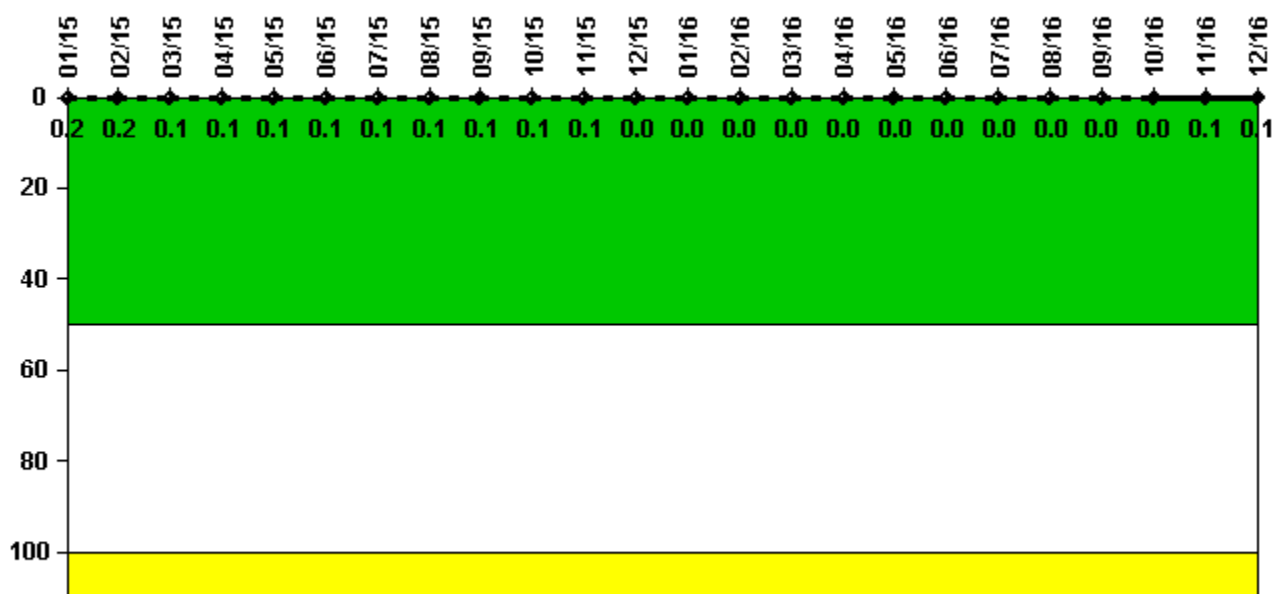
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-4.27E-07	-4.18E-07	-4.18E-07	-4.82E-07	-4.67E-07	-4.67E-07	-4.47E-07	-4.47E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.70E-07	-8.70E-07	-8.70E-07	-9.30E-07	-9.10E-07	-9.10E-07	-8.90E-07	-8.90E-07

Licensee Comments: none

Reactor Coolant System Activity



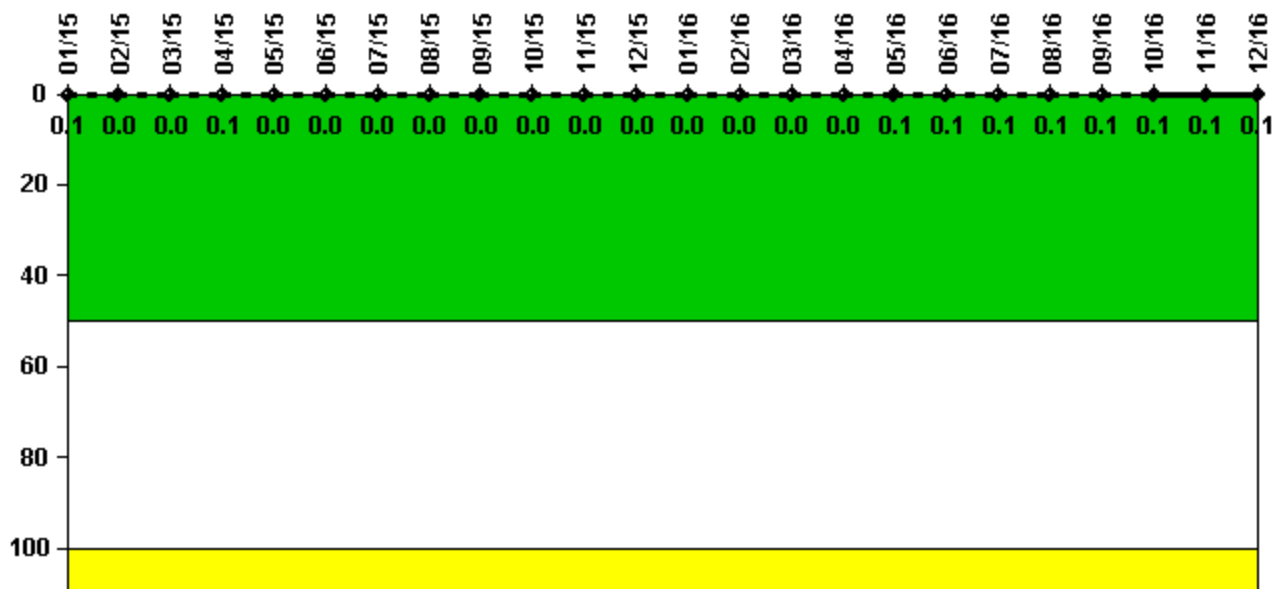
Thresholds: White > 50.0 Yellow > 100.0

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	0.000841	0.000705	0.000482	0.000622	0.000570	0.000299	0.000371	0.000323	0.000418	0.000552	0.000650	0.000122
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.000079	0.000073	0.000079	0.000085	0.000098	0.000123	0.000126	0.000136	0.000142	0.000146	0.000246	0.000251
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



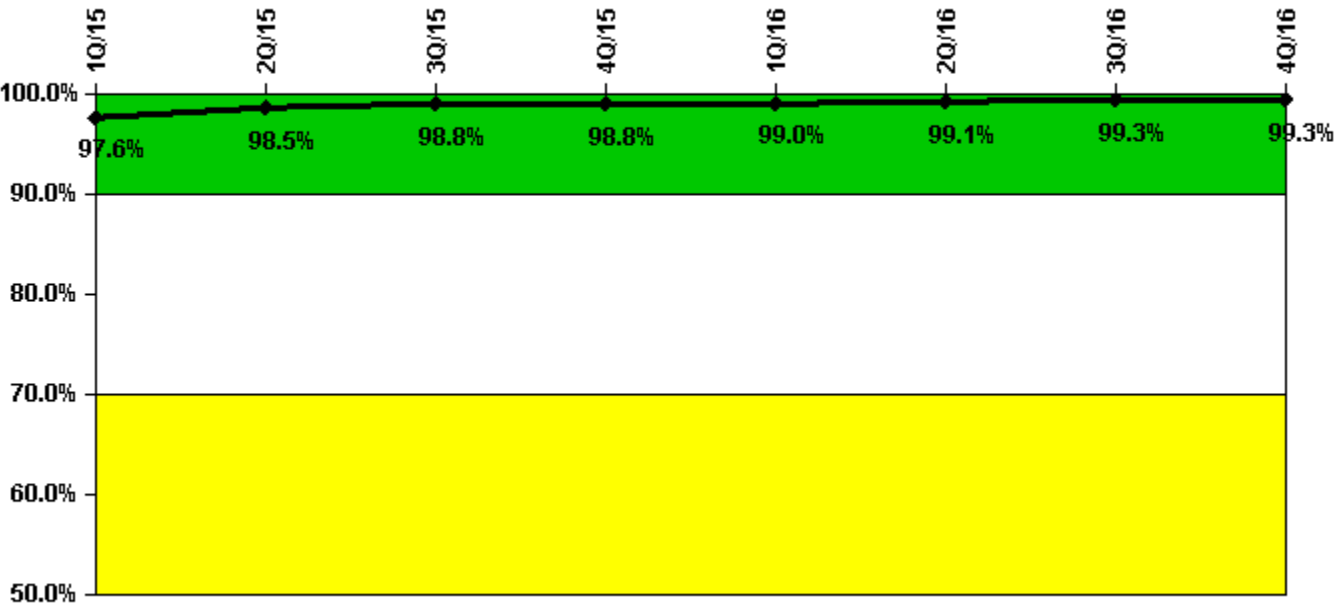
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.005	0.003	0.003	0.005	0.003	0.003	0.004	0.004	0.003	0.004	0.004	0.004
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0	0	0.1	0	0	0	0	0	0	0	0
Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.002	0.003	0.004	0.004	0.006	0.008	0.006	0.008	0.007	0.006	0.005	0.005
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Drill/Exercise Performance



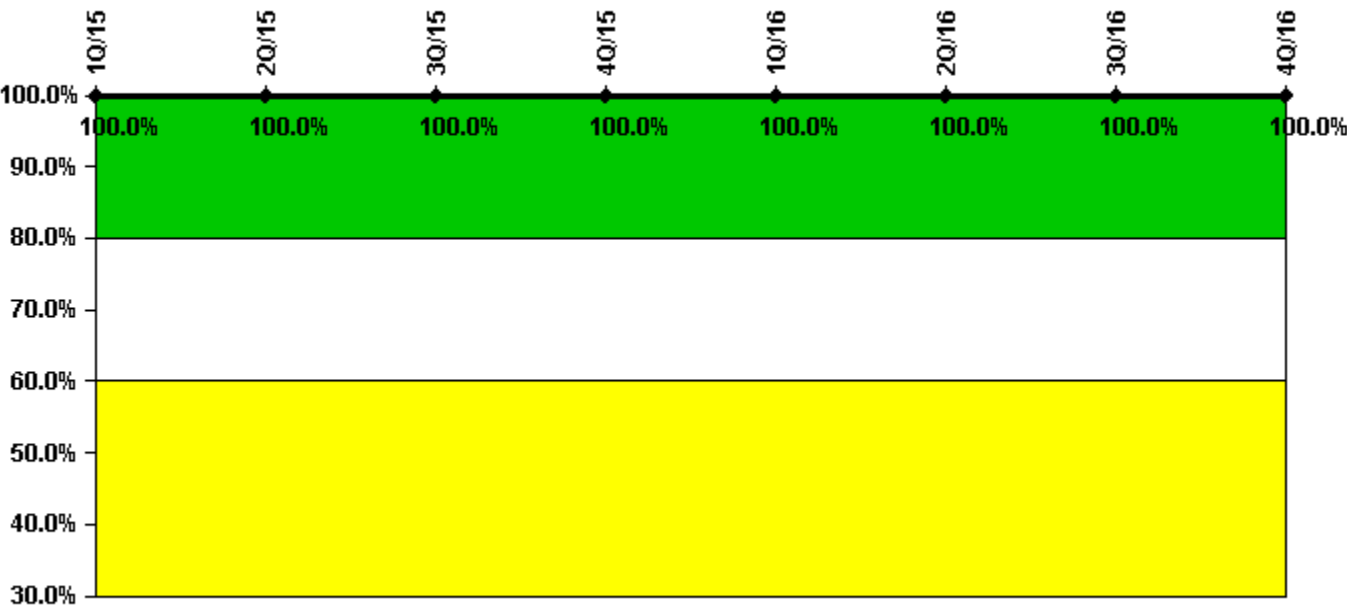
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	27.0	37.0	44.0	46.0	38.0	24.0	61.0	19.0
Total opportunities	28.0	37.0	45.0	46.0	38.0	24.0	61.0	19.0
Indicator value	97.6%	98.5%	98.8%	98.8%	99.0%	99.1%	99.3%	99.3%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

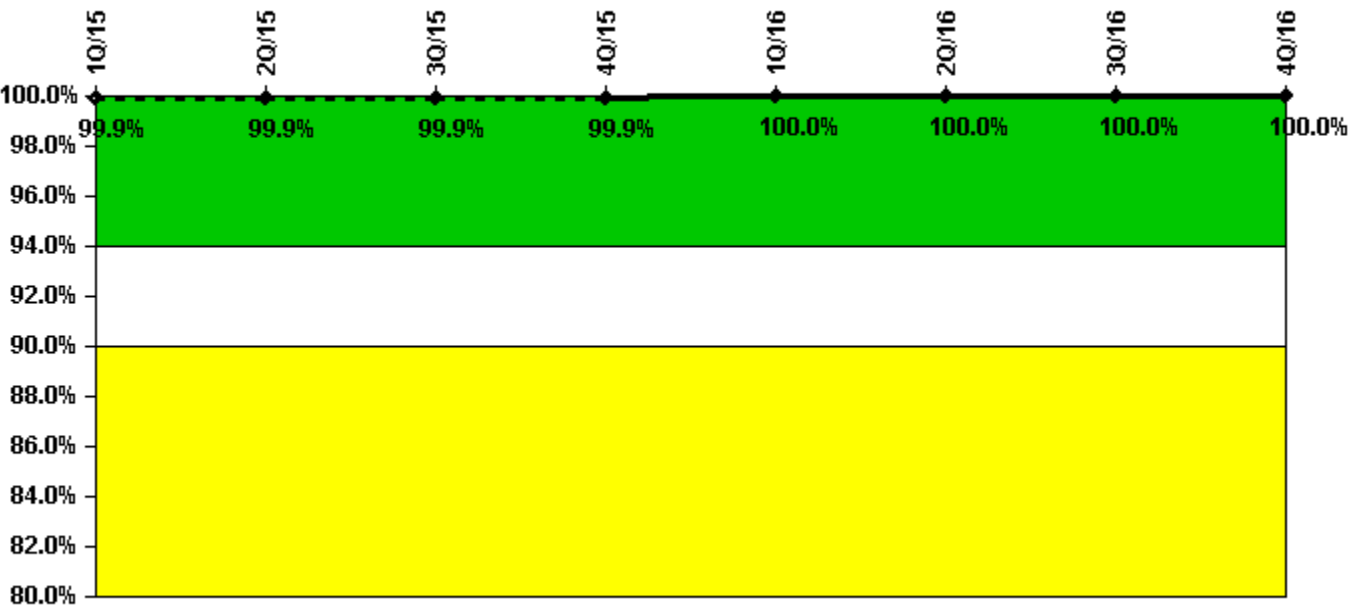
Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	139.0	130.0	125.0	130.0	131.0	130.0	131.0	133.0
Total Key personnel	139.0	130.0	125.0	130.0	131.0	130.0	131.0	133.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

1Q/16: Revised to add an active shift manager that was not counted for participation. The shift manager holds 2 positions, Emergency Coordinator & off-site communicator. Nuclear Condition Report 02043466 written. This does not affect the overall percentage.

Alert & Notification System



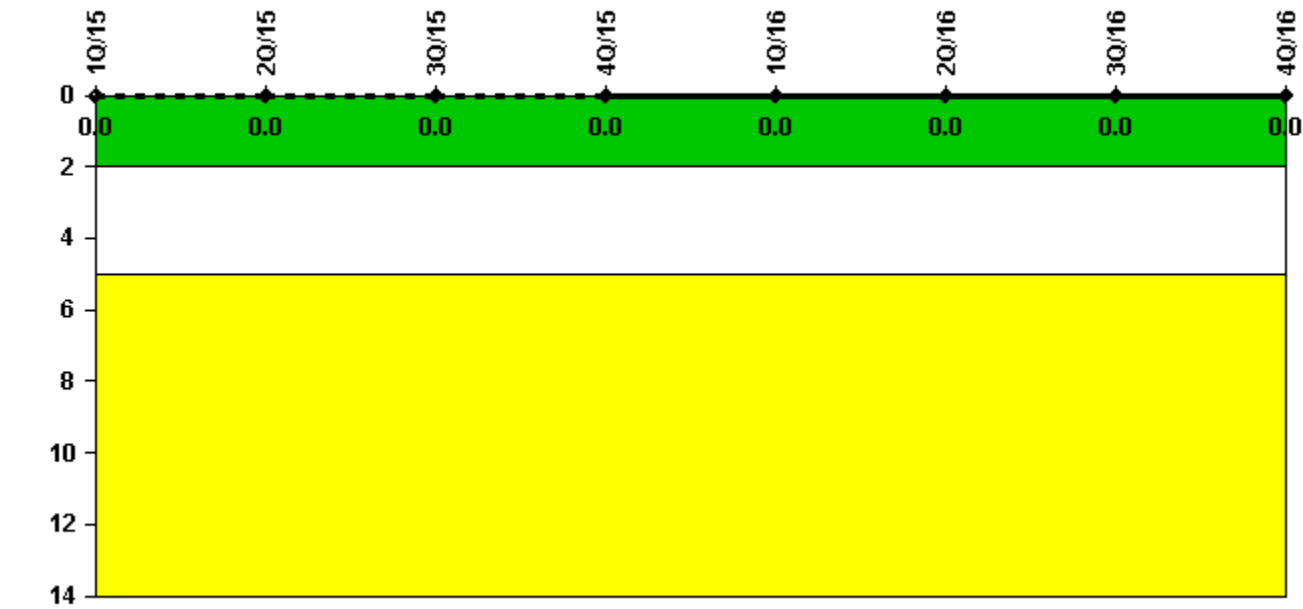
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	2375	2402	2402	2492	2402	2403	2402	2399
Total sirens-tests	2379	2403	2403	2492	2402	2403	2402	2401
Indicator value	99.9%	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



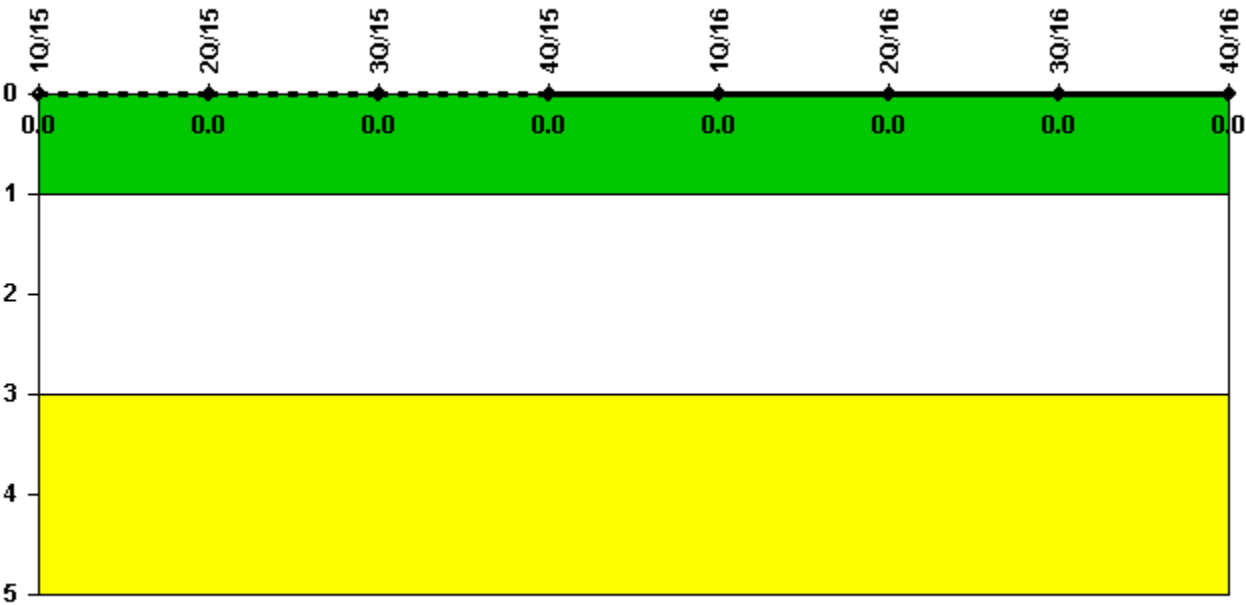
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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> Catawba 1 > Quarterly Performance Indicators

Catawba 1 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

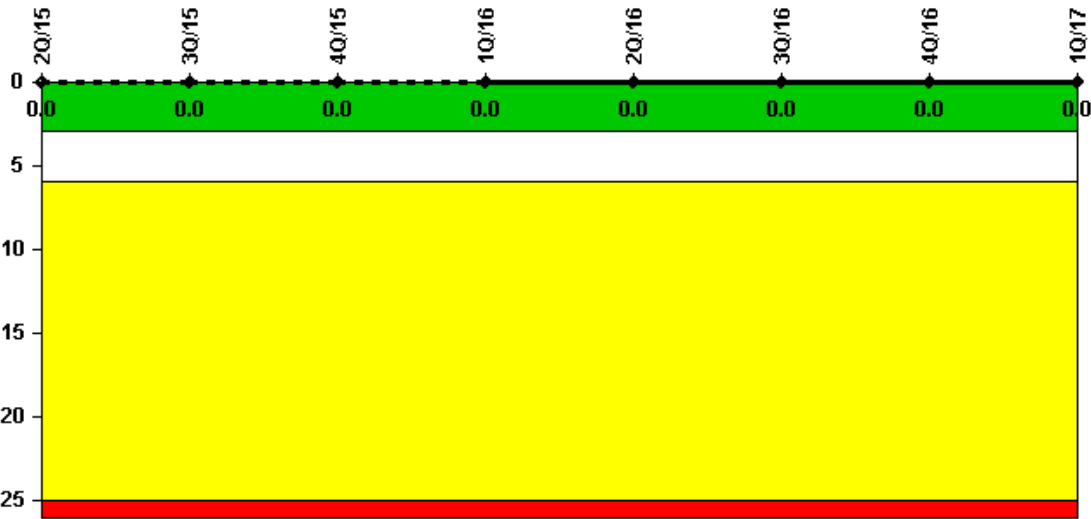
The solid trend line represents the current reporting period.

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

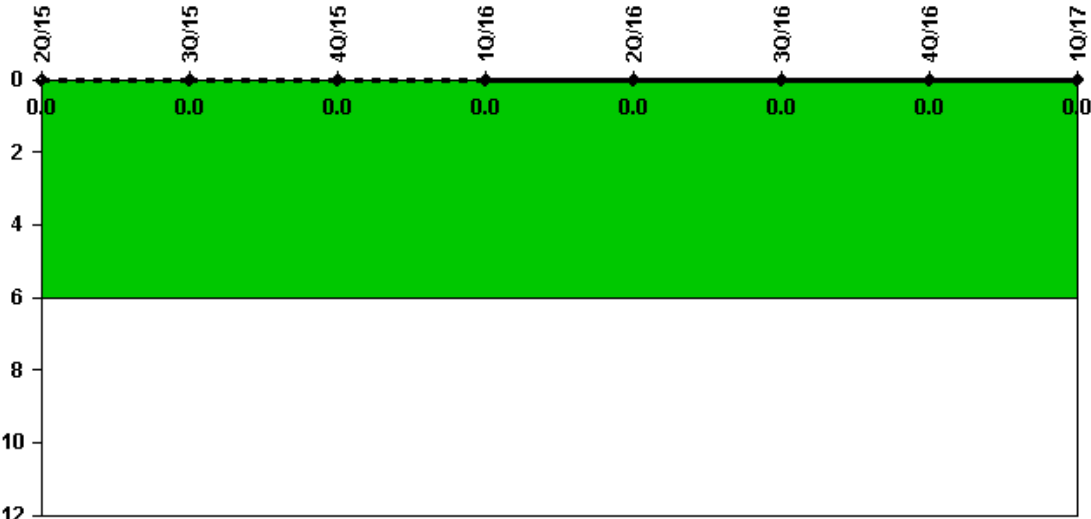
Notes

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	0	0	0	0	0
Critical hours	2184.0	2208.0	1600.2	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

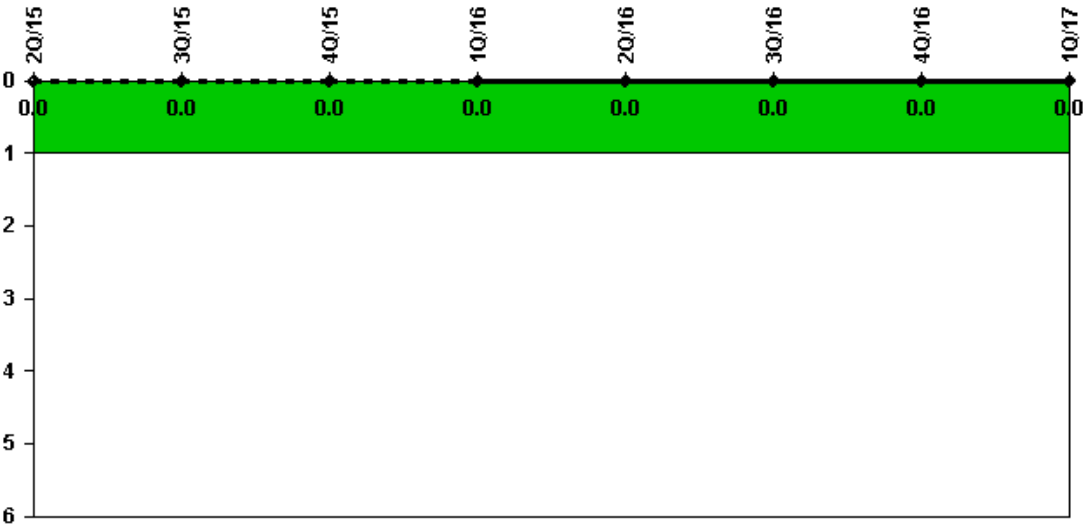
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1600.2	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

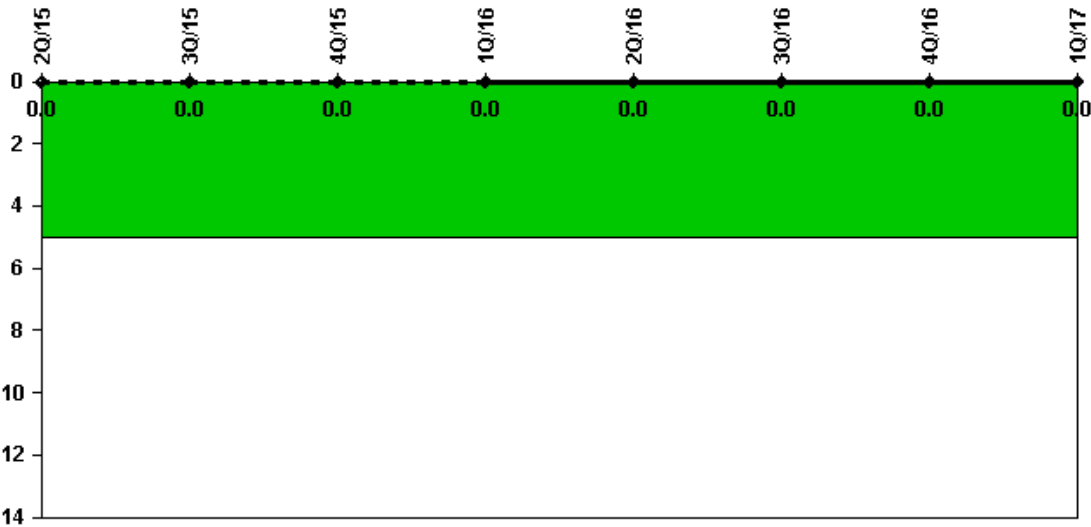
Notes

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 (PWR)



Thresholds: White > 5.0

Notes

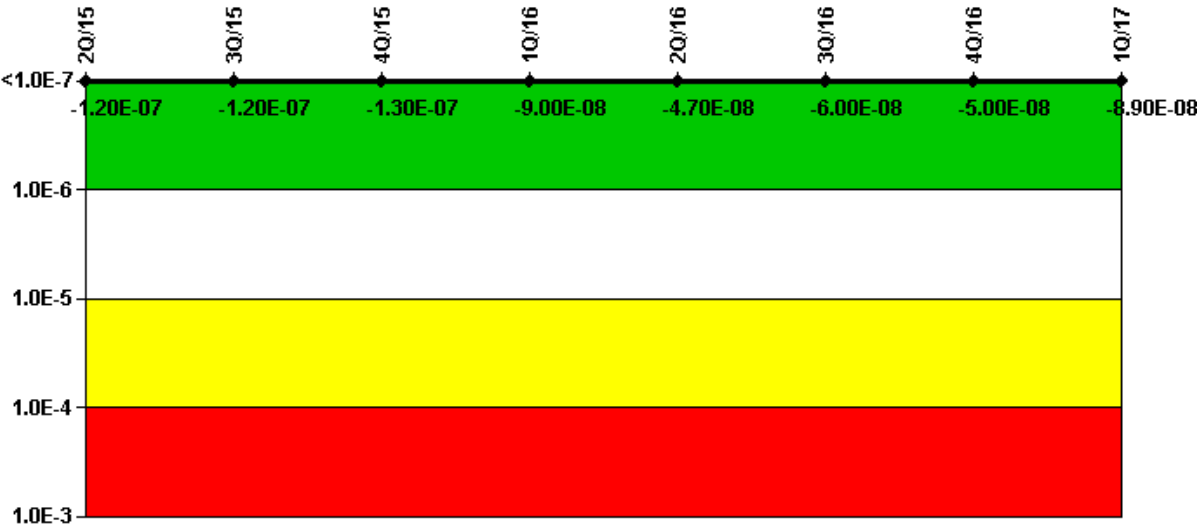
Safety System Functional Failures (PWR)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	0	0	0	0	0	0	0	0

Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

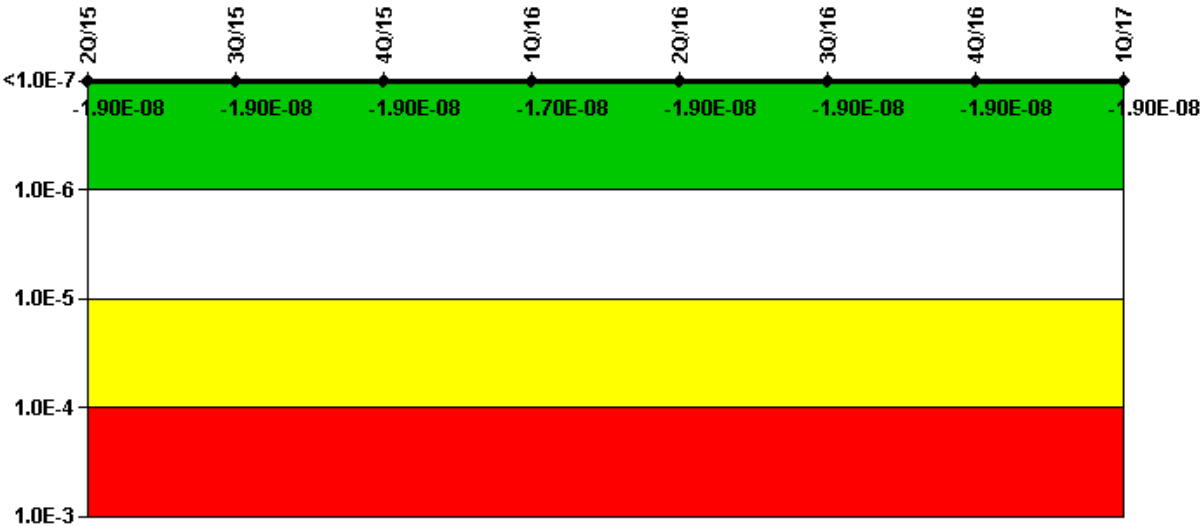
Mitigating Systems Performance Index, Emergency

AC Power System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	6.18E-08	5.88E-08	5.71E-08	9.25E-08	1.36E-07	1.23E-07	1.33E-07	9.35E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.20E-07	-1.30E-07	-9.00E-08	-4.70E-08	-6.00E-08	-5.00E-08	-8.90E-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

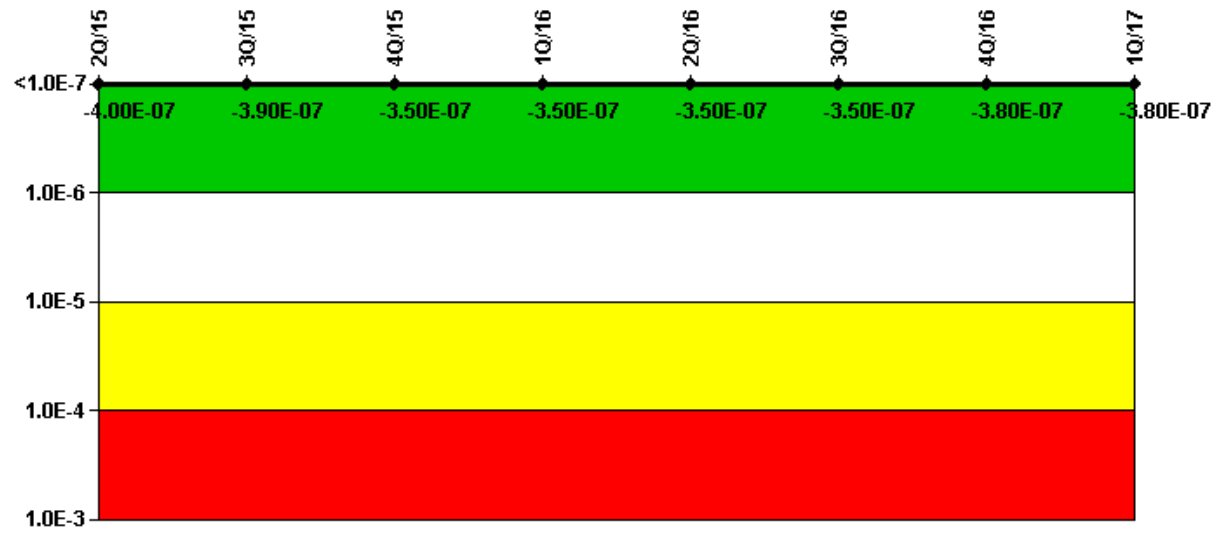
Mitigating Systems Performance Index, High Pressure Injection System

UAI (ΔCDF)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
	-7.71E-09	-7.67E-09	-7.67E-09	-5.31E-09	-7.67E-09	-7.67E-09	-7.76E-09	-7.78E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-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

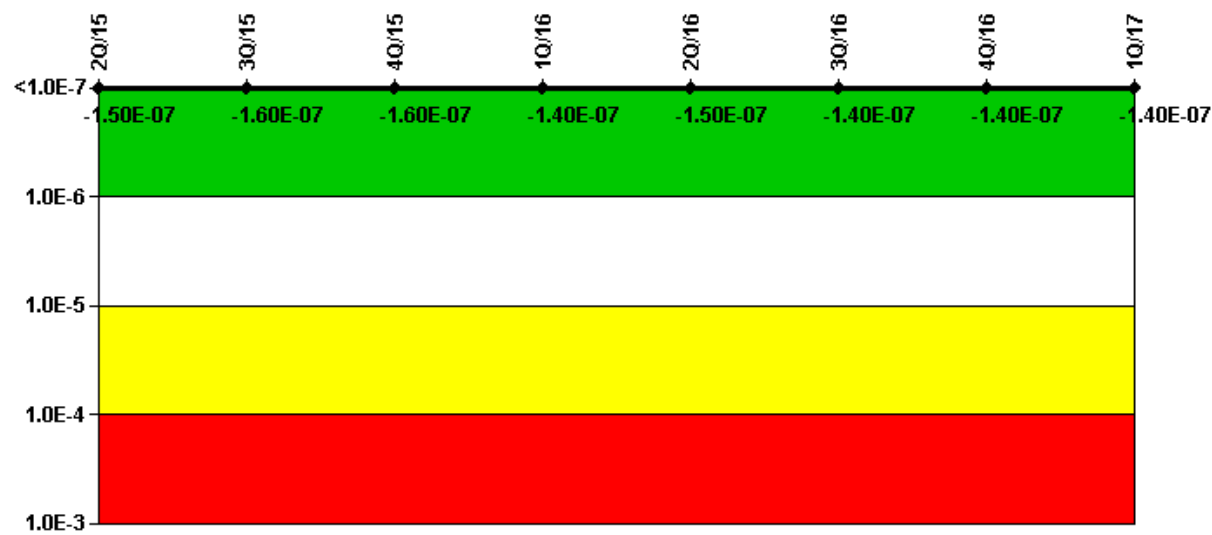
Mitigating Systems Performance Index, Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-4.44E-08	-3.31E-08	-1.24E-09	-2.13E-09	-1.13E-09	-1.13E-09	-2.55E-08	-2.55E-08
URI (ΔCDF)	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-07	-3.90E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.80E-07	-3.80E-07

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

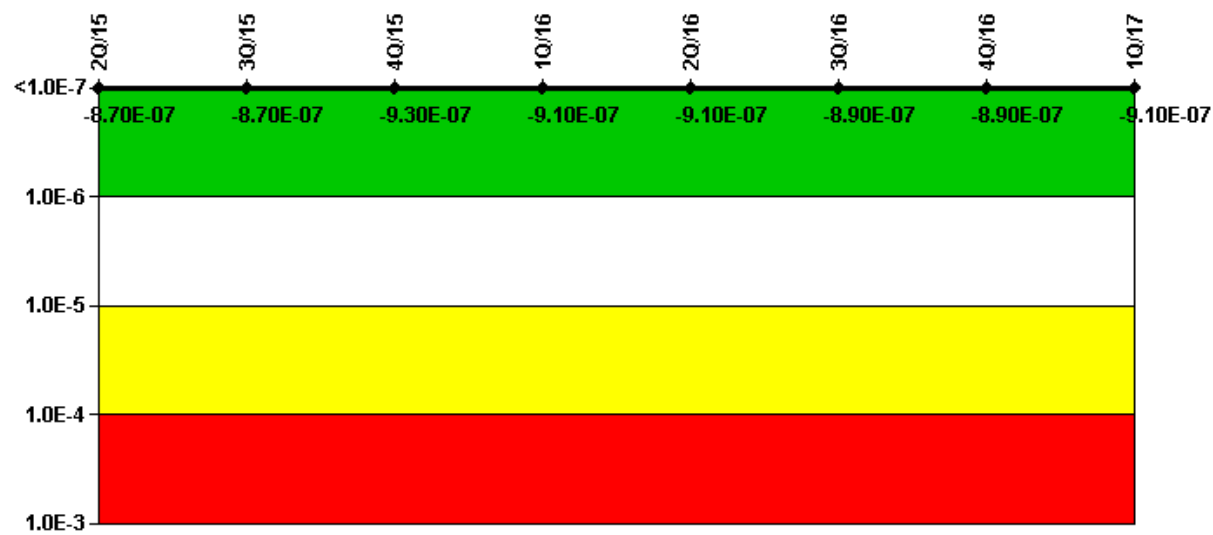
Mitigating Systems Performance Index, Residual Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-1.05E-08	-1.58E-08	-1.40E-08	1.31E-10	-3.44E-09	-2.63E-10	8.36E-09	-1.84E-10
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.60E-07	-1.60E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07

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

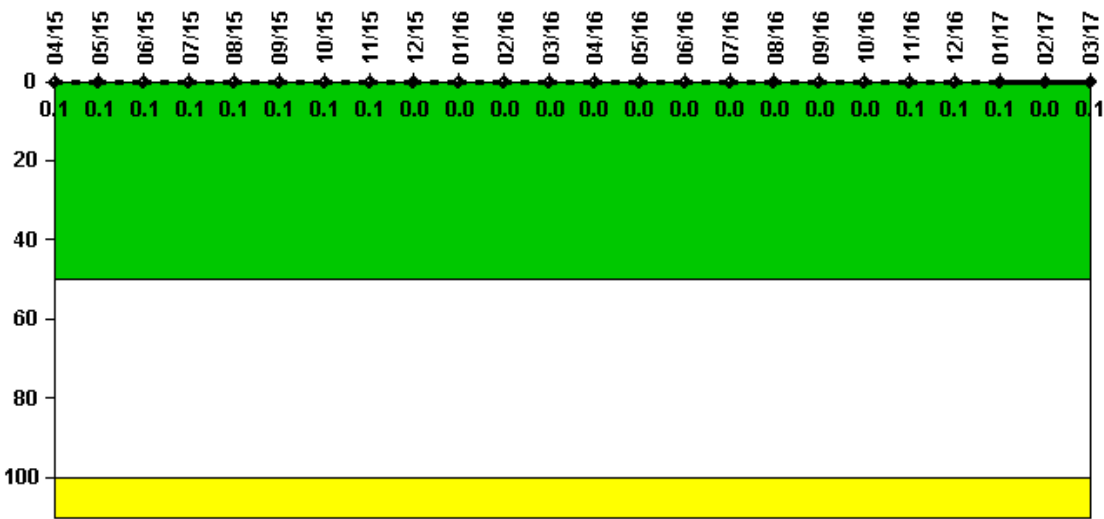
Mitigating Systems Performance Index, Cooling Water Systems

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-4.18E-07	-4.18E-07	-4.82E-07	-4.67E-07	-4.67E-07	-4.47E-07	-4.47E-07	-4.62E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.70E-07	-8.70E-07	-9.30E-07	-9.10E-07	-9.10E-07	-8.90E-07	-8.90E-07	-9.10E-07

TOP

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

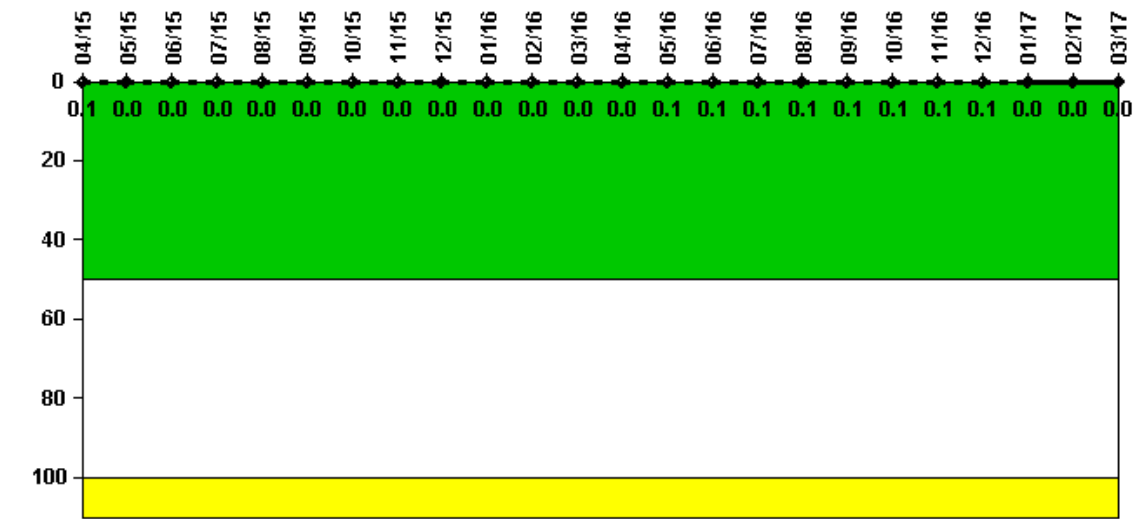
Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000622	0.000570	0.000299	0.000371	0.000323	0.000418	0.000552	0.000650	0.000122	0.000079	0.000073	0.000079
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.000085	0.000098	0.000123	0.000126	0.000136	0.000142	0.000146	0.000246	0.000251	0.000271	0.000180	0.000289
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0.1

TOP

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

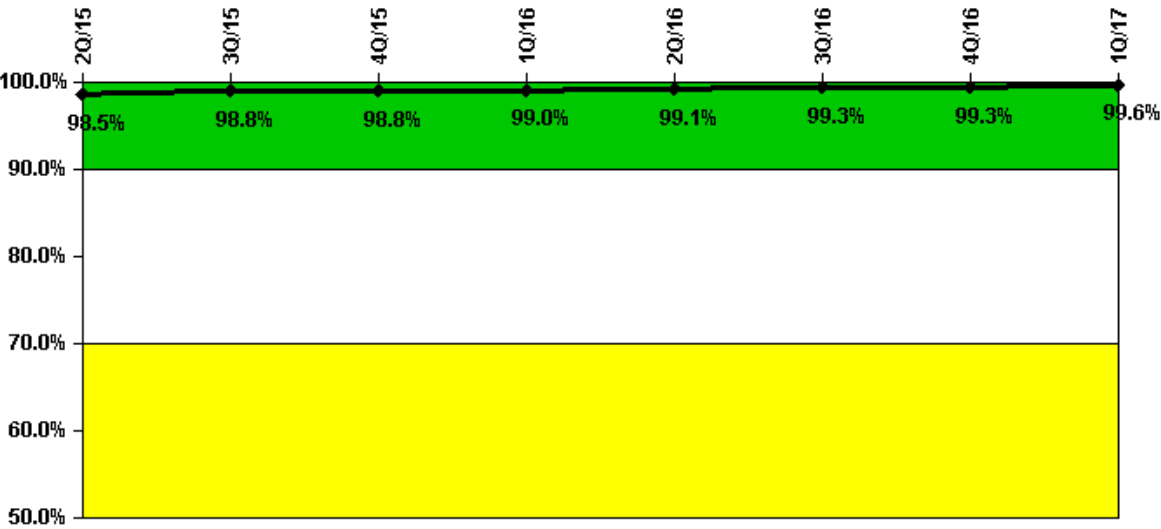
Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	0.005	0.003	0.003	0.004	0.004	0.003	0.004	0.004	0.004	0.002	0.003	0.004
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Leakage	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum leakage	0.004	0.006	0.008	0.006	0.008	0.007	0.006	0.005	0.005	0.003	0.004	0.004
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0

TOP

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

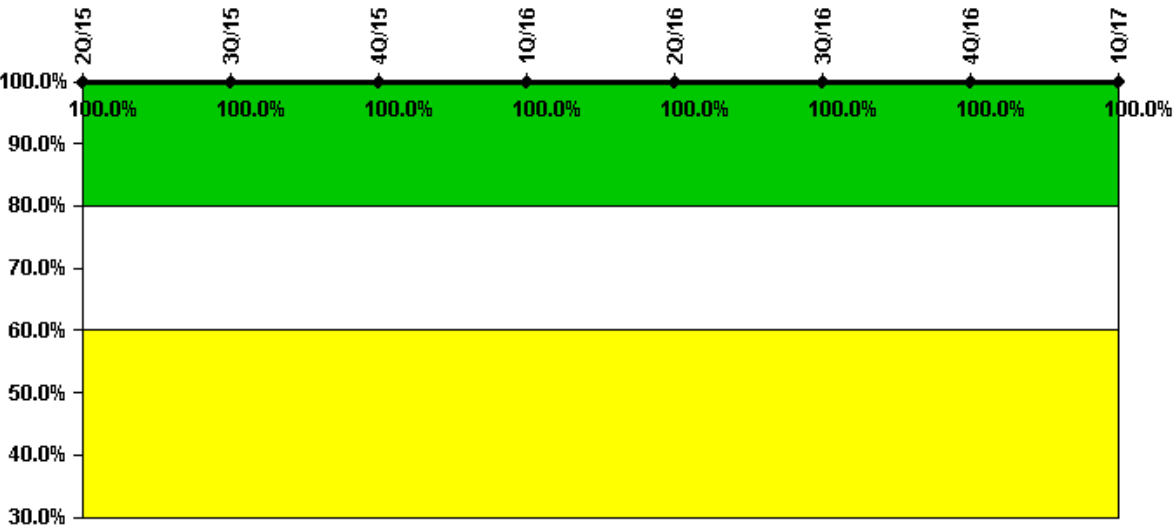
Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	37.0	44.0	46.0	38.0	24.0	61.0	19.0	7.0
Total opportunities	37.0	45.0	46.0	38.0	24.0	61.0	19.0	7.0

Indicator value 98.5% 98.8% 98.8% 99.0% 99.1% 99.3% 99.3% 99.6%

TOP

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

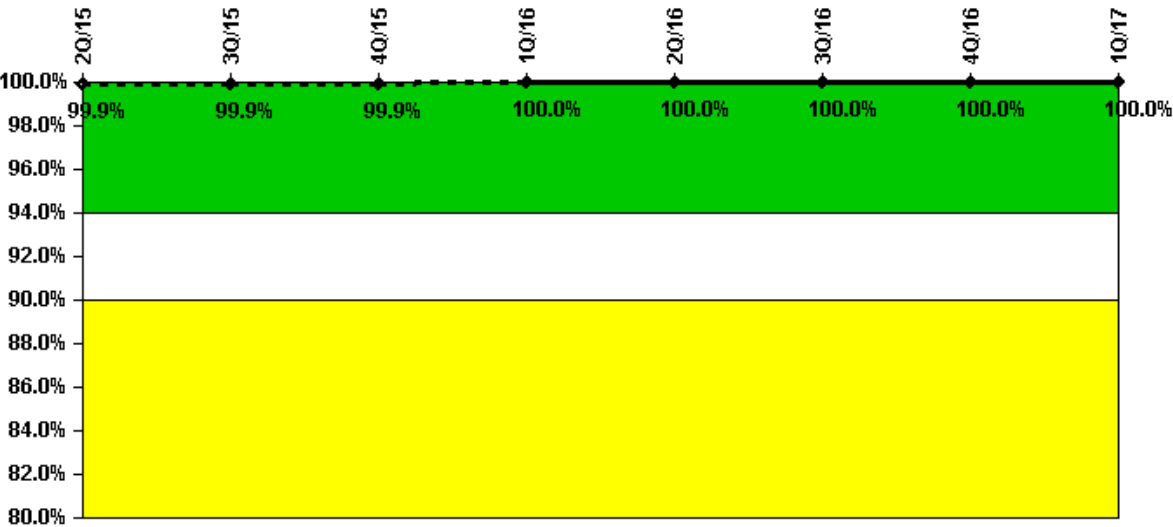
ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	130.0	125.0	130.0	131.0	130.0	131.0	133.0	146.0
Total Key personnel	130.0	125.0	130.0	131.0	130.0	131.0	133.0	146.0

Indicator value 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments:
1Q/16: Revised to add an active shift manager that was not counted for participation. The shift manager holds 2 positions, Emergency Coordinator & off-site communicator. Nuclear Condition Report 02043466 written. This does not affect the overall percentage.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

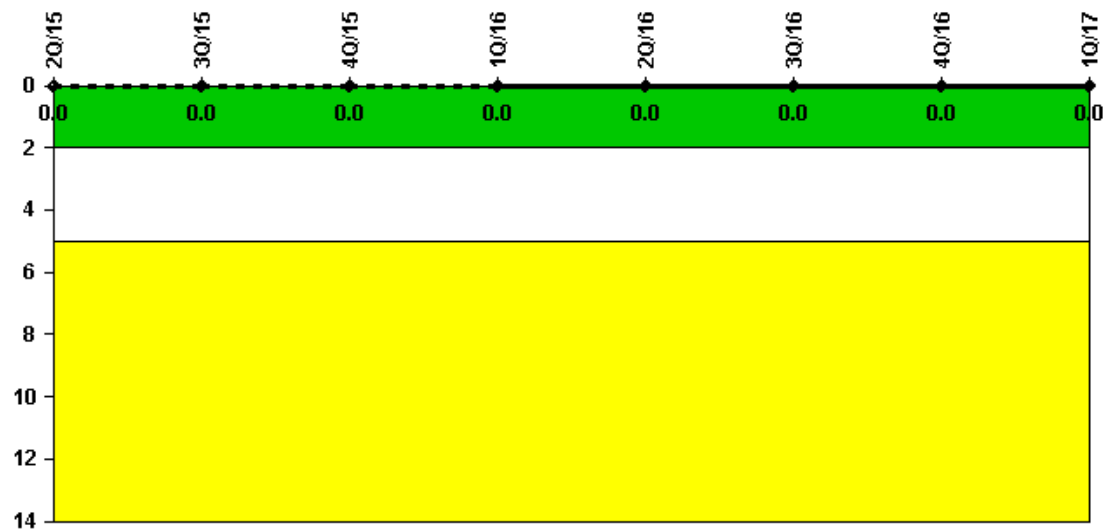
Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	2402	2402	2492	2402	2403	2402	2399	2402
Total sirens-tests	2403	2403	2492	2402	2403	2402	2401	2402

Indicator value 99.9% 99.9% 99.9% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

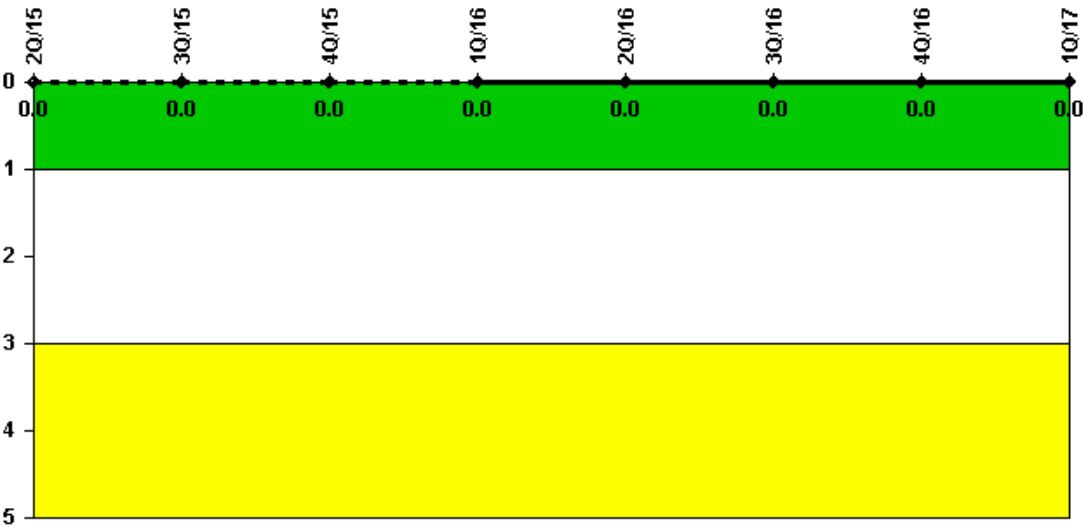
Notes

Occupational Exposure Control Effectiveness	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 Effluent2Q/153Q/154Q/151Q/162Q/163Q/164Q/161Q/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: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries> Catawba 1 > Quarterly Performance Indicators

Catawba 1 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

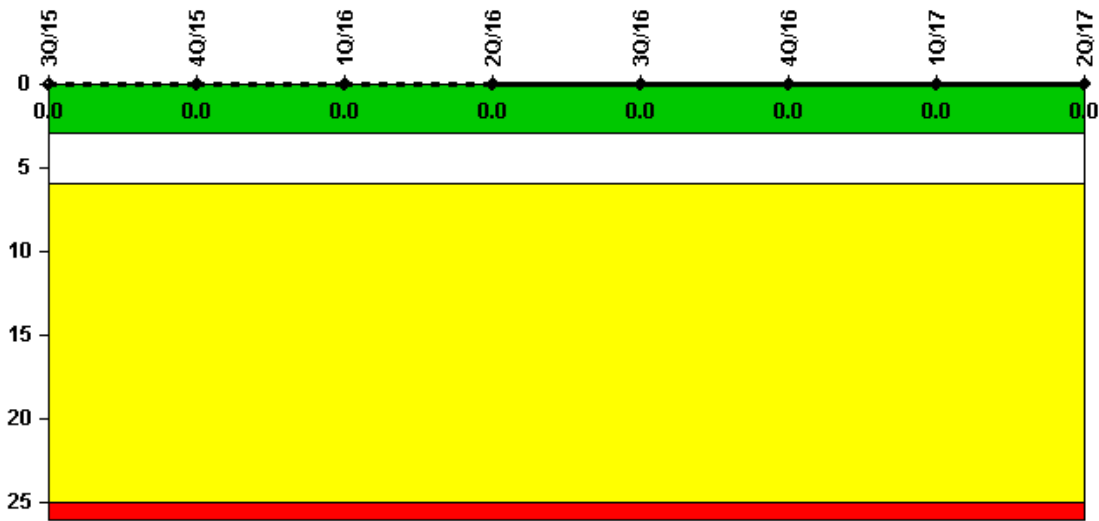
The solid trend line represents the current reporting period.

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/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

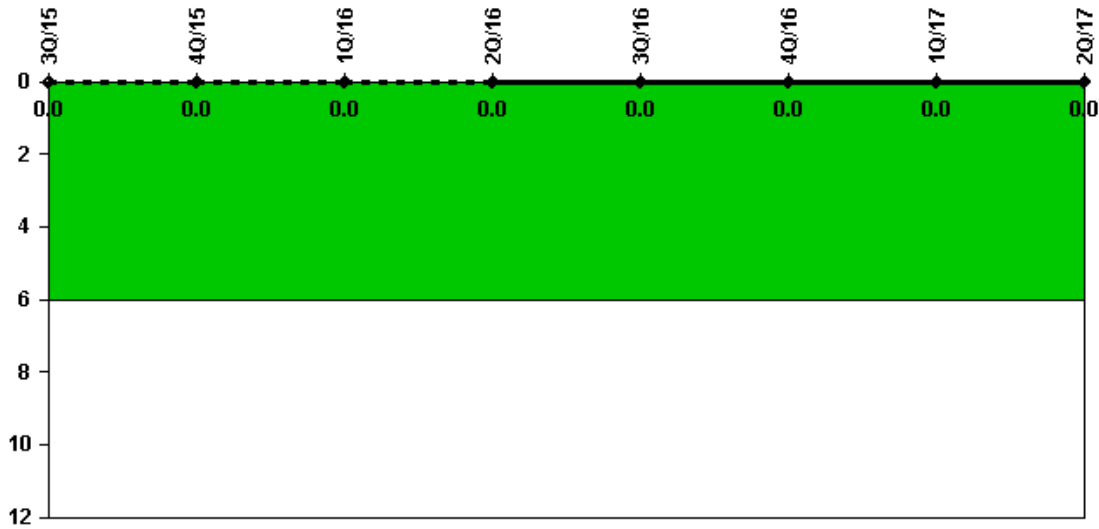
Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1600.2	2183.0	2184.0	2208.0	2209.0	2159.0	1630.6
Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

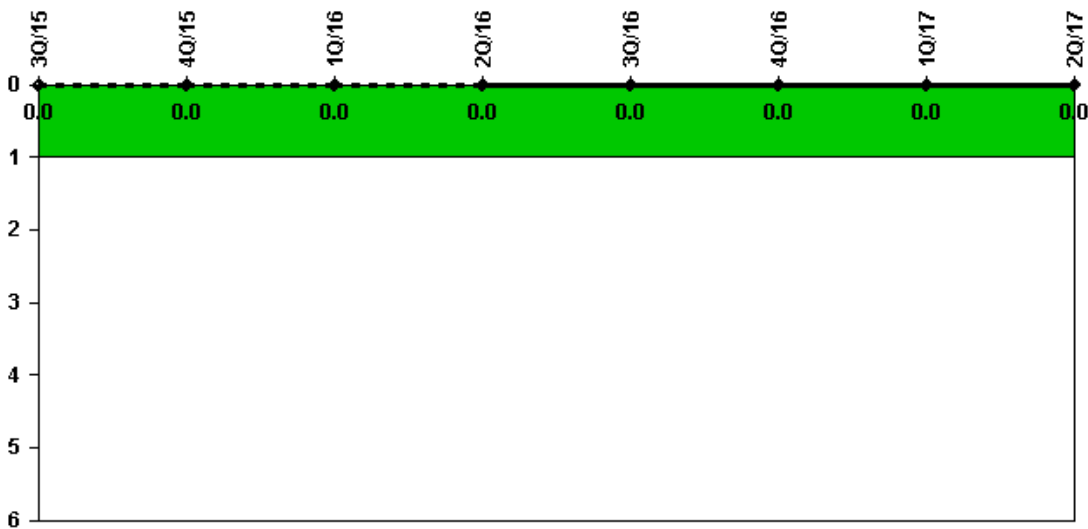
Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1600.2	2183.0	2184.0	2208.0	2209.0	2159.0	1630.6

Indicator value	0	0	0	0	0	0	0	0

▲ TOP

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

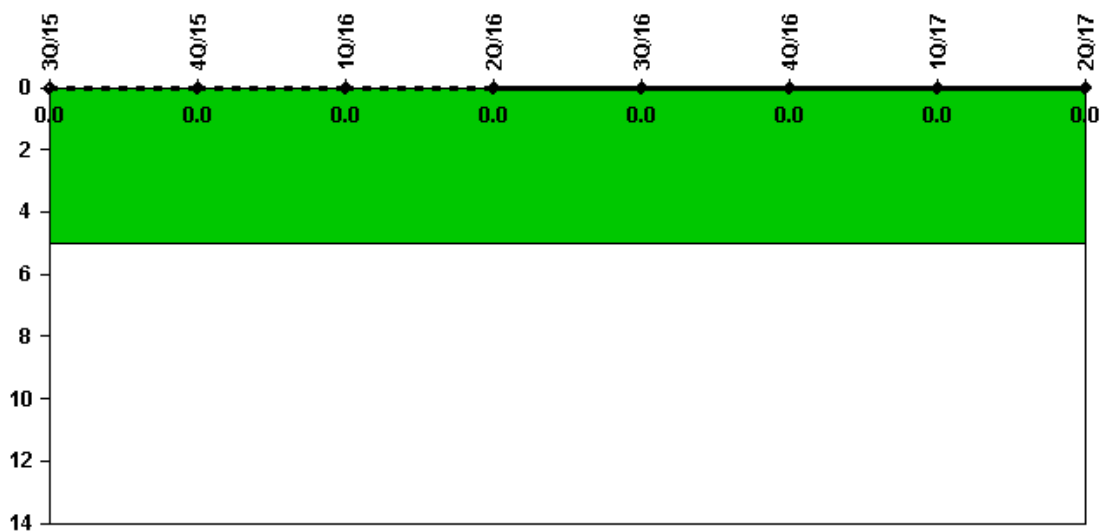
Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Scrams with complications	0	0	0	0	0	0	0	0

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 (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17

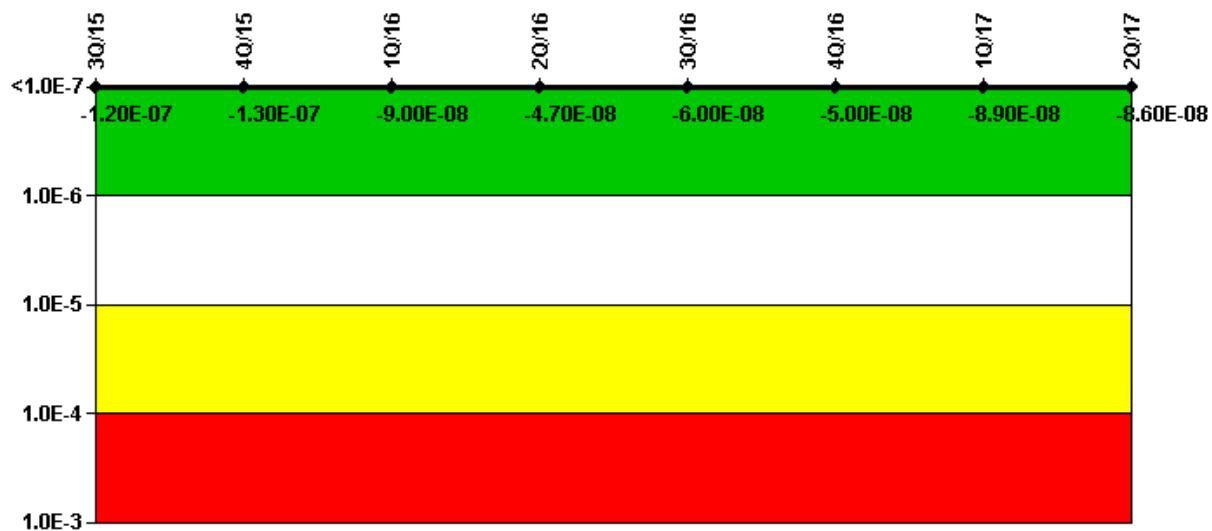
Safety System Functional Failures 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



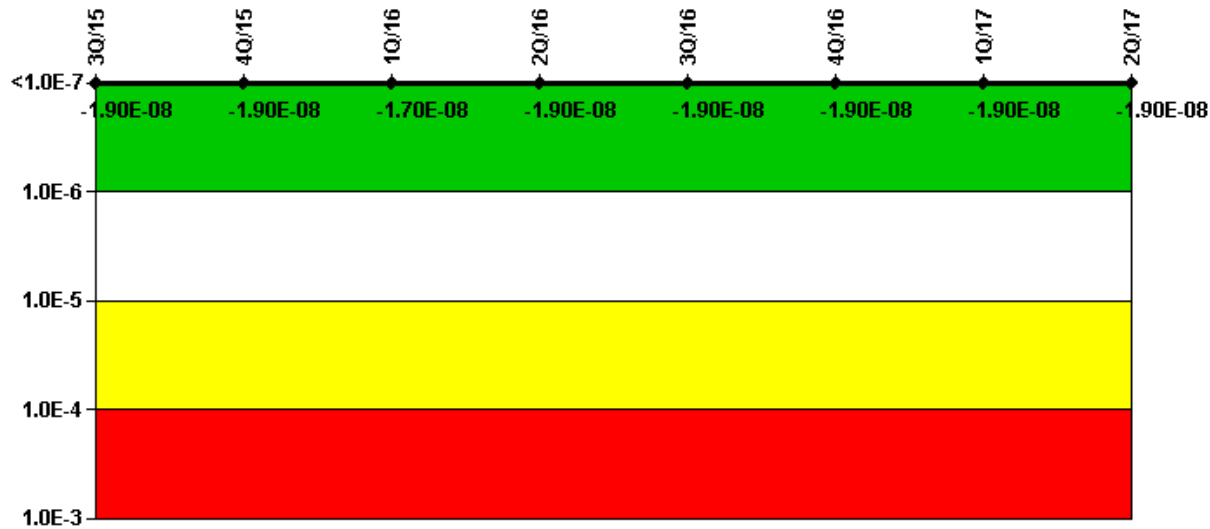
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes**Mitigating Systems Performance Index, Emergency****AC Power System**

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	5.88E-08	5.71E-08	9.25E-08	1.36E-07	1.23E-07	1.33E-07	9.35E-08	9.70E-08
URI (Δ CDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.30E-07	-9.00E-08	-4.70E-08	-6.00E-08	-5.00E-08	-8.90E-08	-8.60E-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

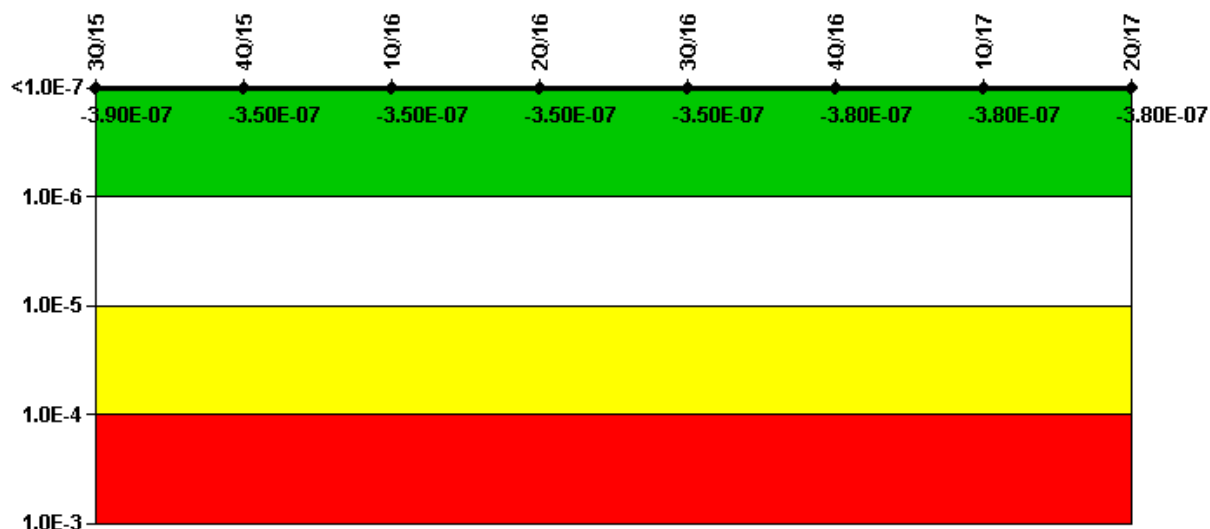
Notes**Mitigating Systems Performance Index, High Pressure Injection System**

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-7.67E-09	-7.67E-09	-5.31E-09	-7.67E-09	-7.67E-09	-7.76E-09	-7.78E-09	-7.78E-09
URI (Δ CDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-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

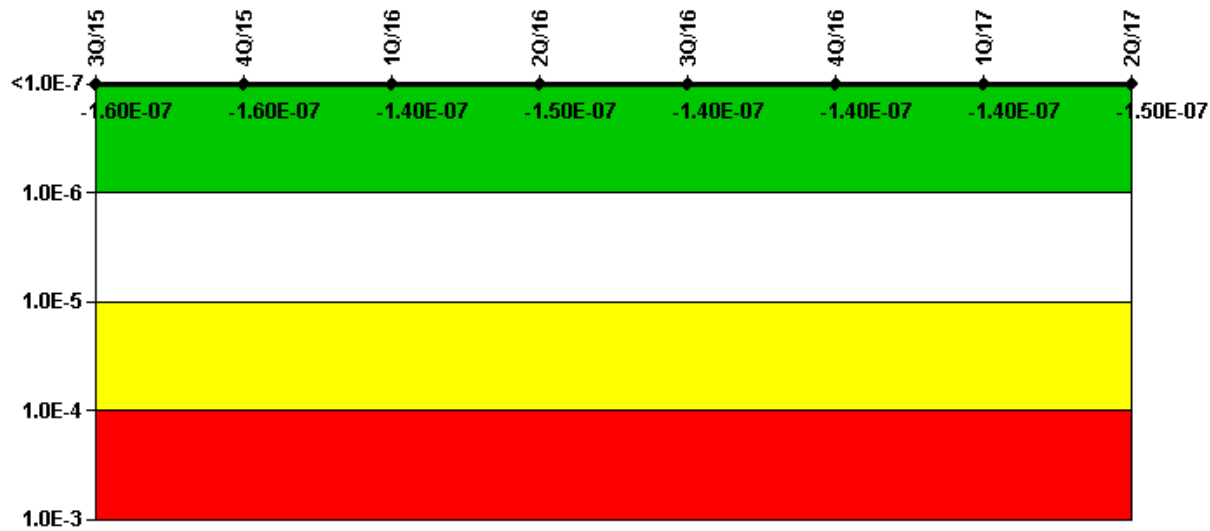
Mitigating Systems Performance Index, Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-3.31E-08	-1.24E-09	-2.13E-09	-1.13E-09	-1.13E-09	-2.55E-08	-2.55E-08	-2.40E-08
URI (ΔCDF)	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.80E-07	-3.80E-07	-3.80E-07

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

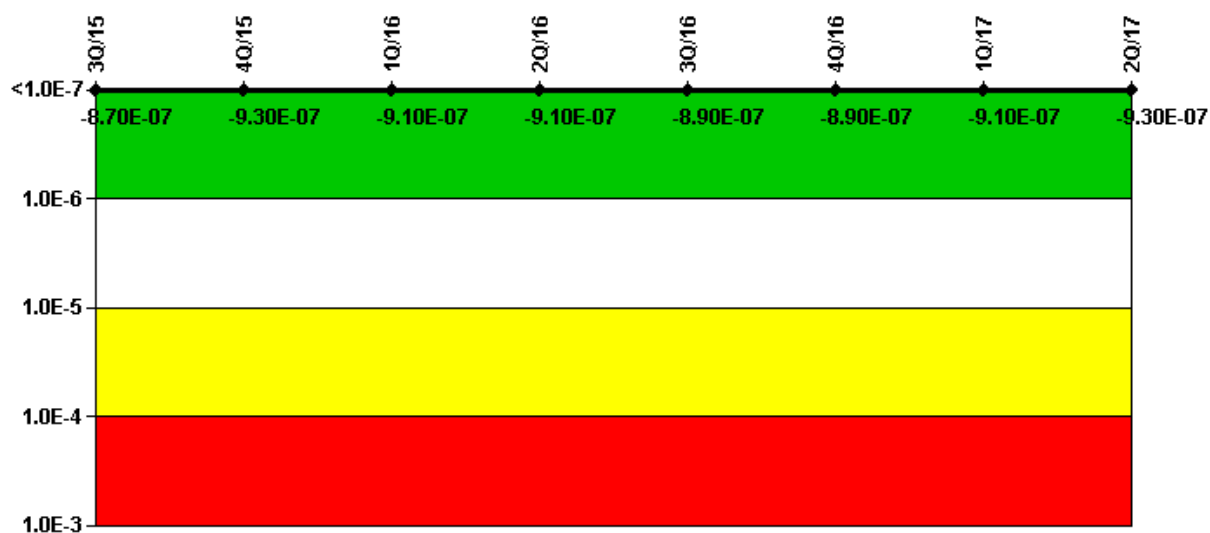
Mitigating Systems Performance Index, Residual Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-1.58E-08	-1.40E-08	1.31E-10	-3.44E-09	-2.63E-10	8.36E-09	-1.84E-10	-9.53E-09
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.50E-07

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

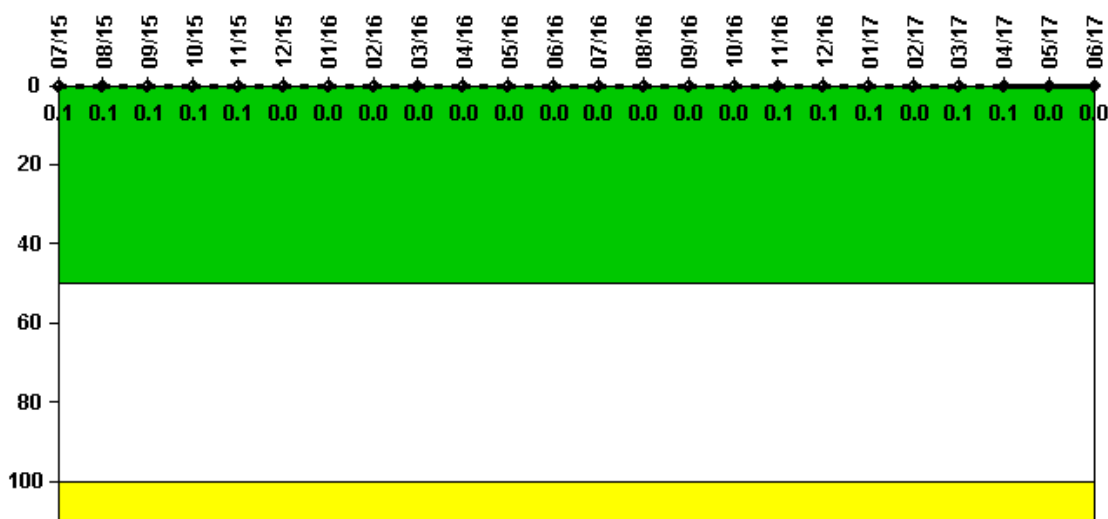
Mitigating Systems Performance Index, Cooling Water Systems

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-4.18E-07	-4.82E-07	-4.67E-07	-4.67E-07	-4.47E-07	-4.47E-07	-4.62E-07	-4.84E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.70E-07	-9.30E-07	-9.10E-07	-9.10E-07	-8.90E-07	-8.90E-07	-9.10E-07	-9.30E-07

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Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

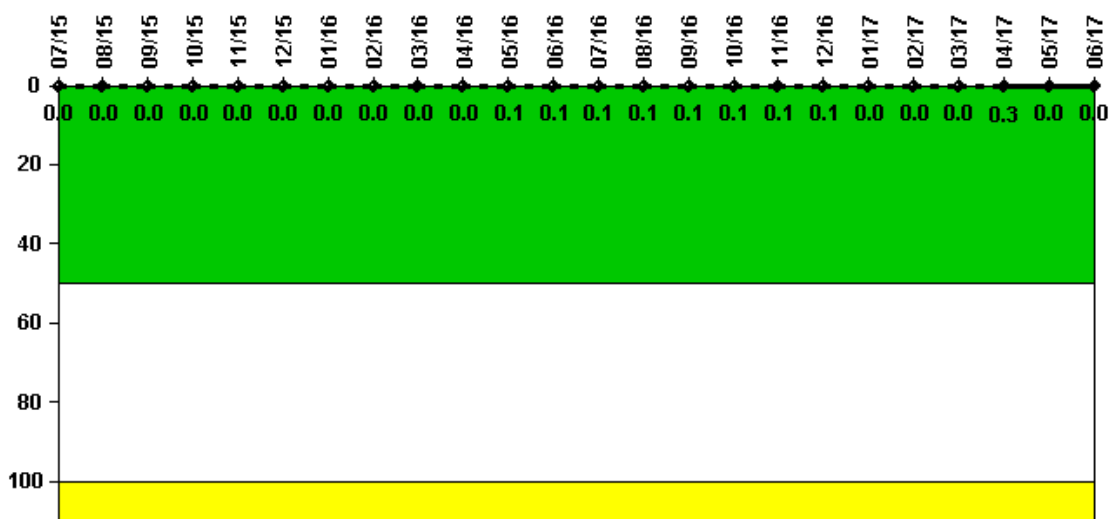
Notes

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	0.000371	0.000323	0.000418	0.000552	0.000650	0.000122	0.000079	0.000073	0.000079	0.000085	0.000098	0.000123
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	0.1	0.1	0.1	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	0.000126	0.000136	0.000142	0.000146	0.000246	0.000251	0.000271	0.000180	0.000289	0.000301	0.000057	0.000063
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0	0

TOP

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

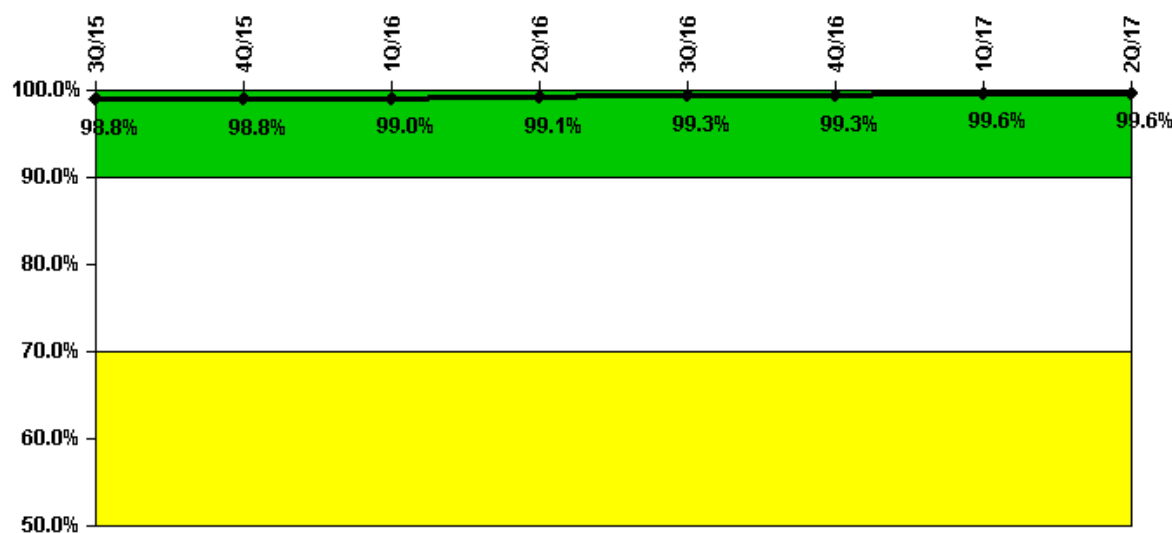
Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.004	0.004	0.003	0.004	0.004	0.004	0.002	0.003	0.004	0.004	0.006	0.008
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	0	0	0	0	0	0	0	0	0	0	0.1	0.1
Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	0.006	0.008	0.007	0.006	0.005	0.005	0.003	0.004	0.004	0.032	0.003	0.002
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.3	0	0

TOP

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

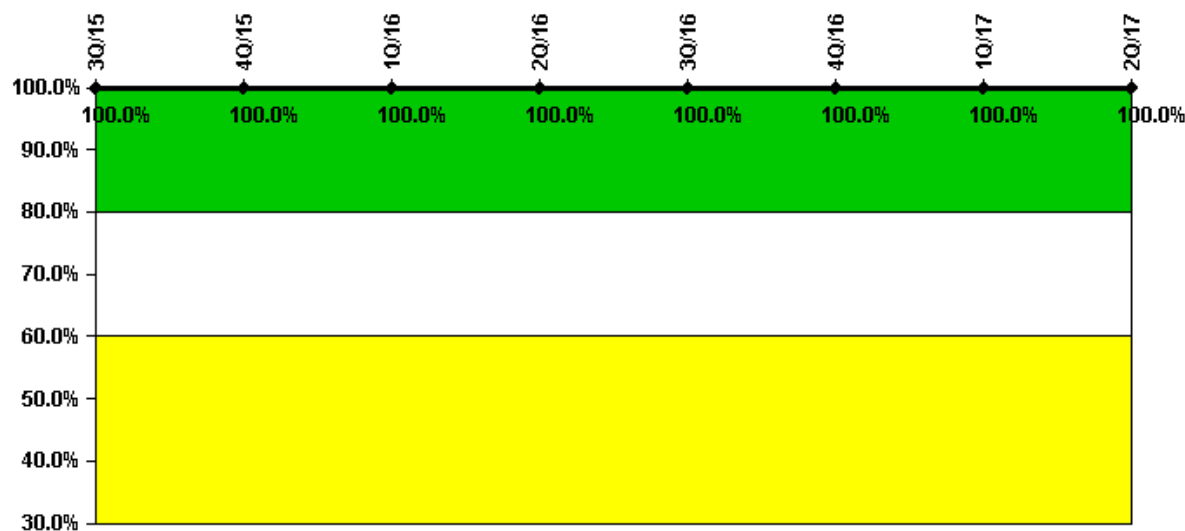
Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	44.0	46.0	38.0	24.0	61.0	19.0	7.0	0
Total opportunities	45.0	46.0	38.0	24.0	61.0	19.0	7.0	0

Indicator value **98.8% 98.8% 99.0% 99.1% 99.3% 99.3% 99.6% 99.6%**

▲ 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	125.0	130.0	131.0	130.0	131.0	133.0	146.0	145.0
Total Key personnel	125.0	130.0	131.0	130.0	131.0	133.0	146.0	145.0

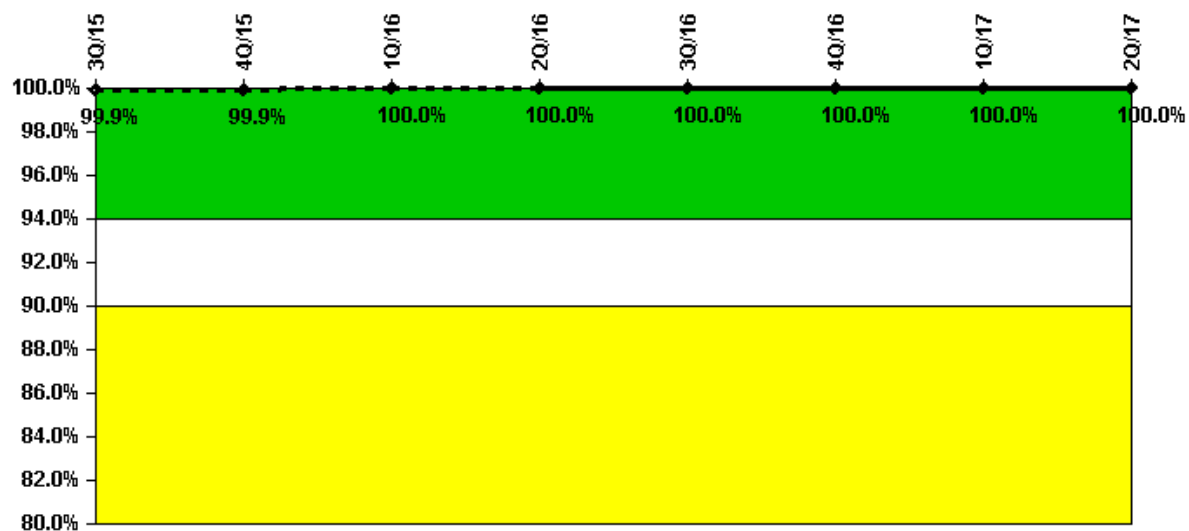
Indicator value **100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%**

▲ TOP

Licensee Comments:

1Q/16: Revised to add an active shift manager that was not counted for participation. The shift manager holds 2 positions, Emergency Coordinator & off-site communicator. Nuclear Condition Report 02043466 written. This does not affect the overall percentage.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

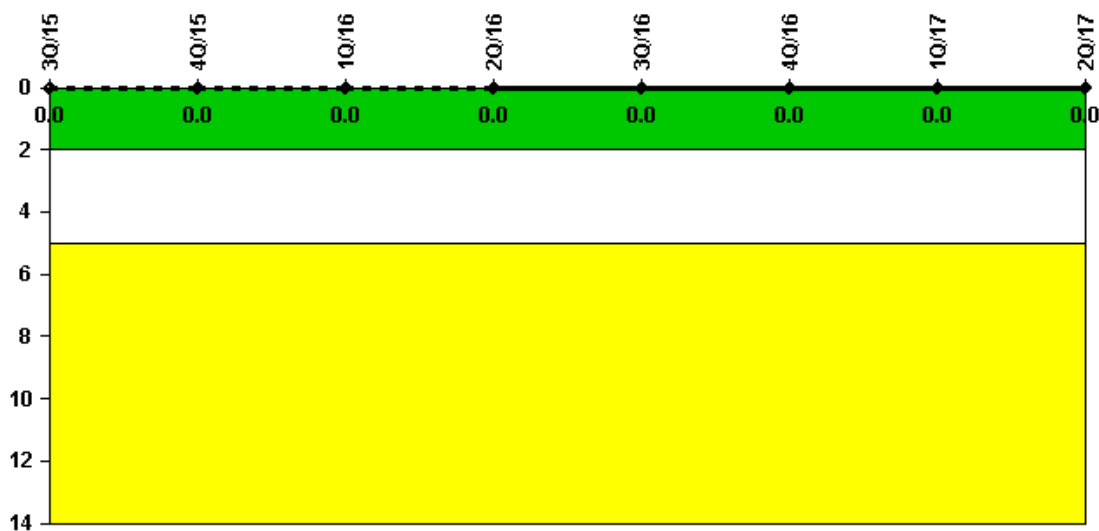
Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	2402	2492	2402	2403	2402	2399	2402	2401
Total sirens-tests	2403	2492	2402	2403	2402	2401	2402	2403

Indicator value 99.9% 99.9% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

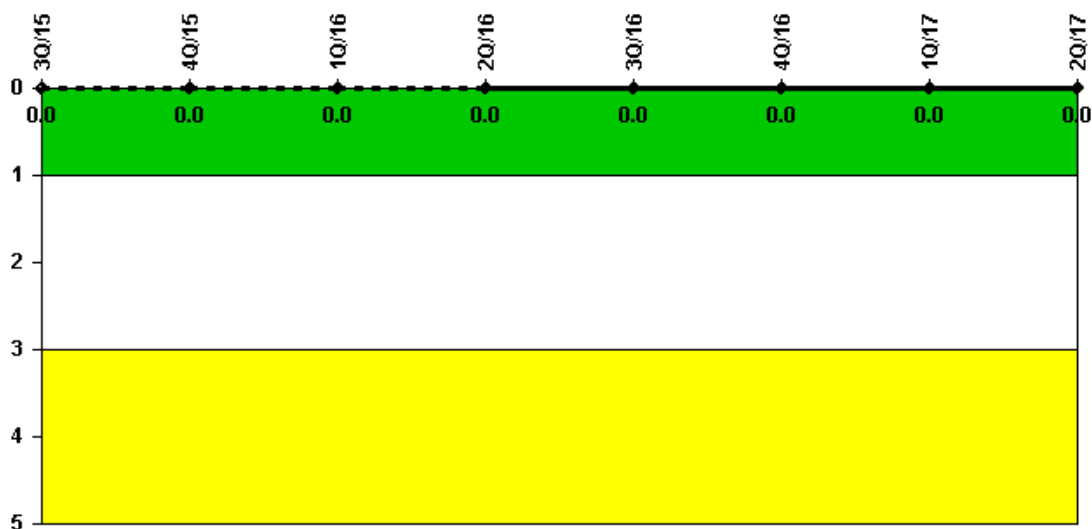
Occupational Exposure Control Effectiveness3Q/154Q/151Q/162Q/163Q/164Q/161Q/172Q/17

High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17

RETS/ODCM occurrences 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

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



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries> Catawba 1 > Quarterly Performance Indicators

Catawba 1 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

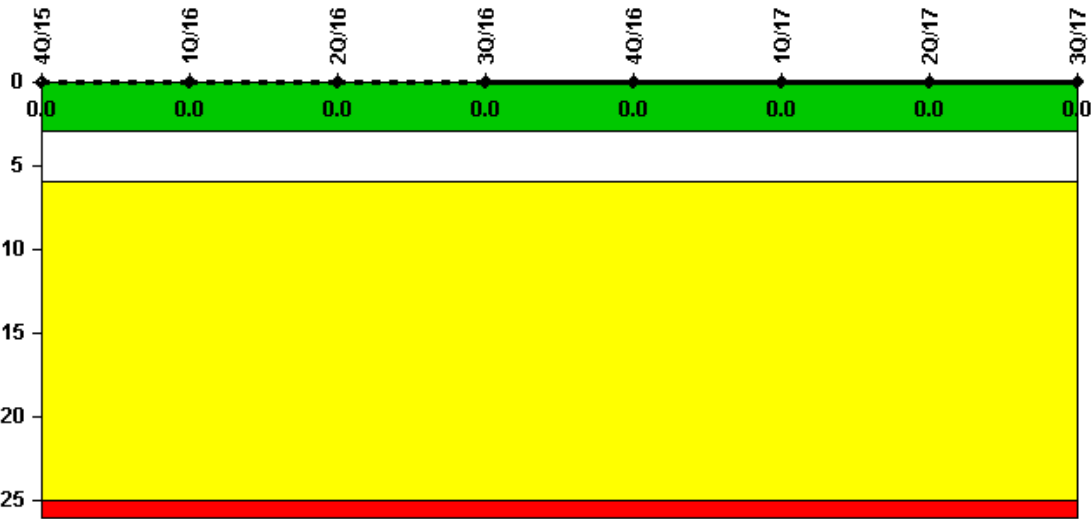
The solid trend line represents the current reporting period.

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/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

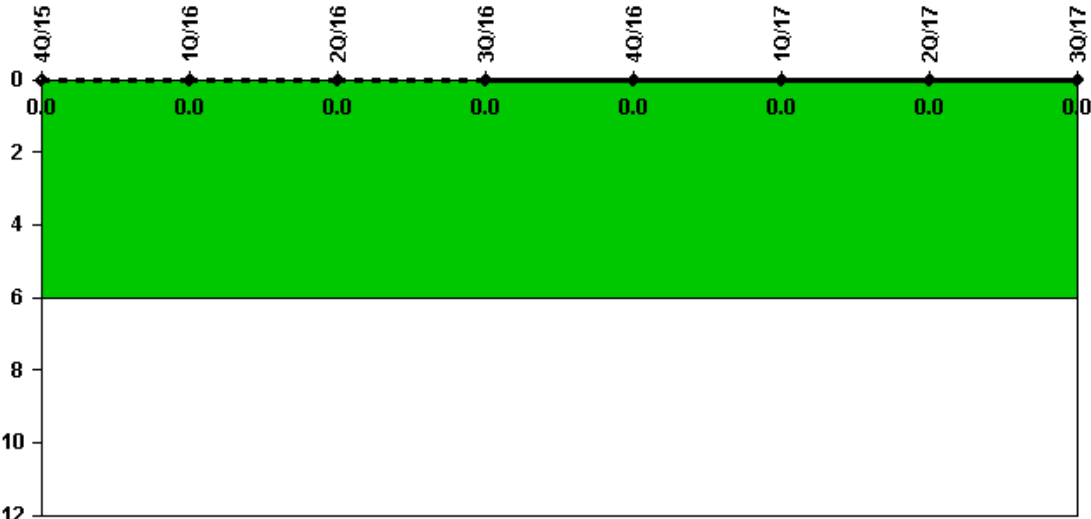
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1600.2	2183.0	2184.0	2208.0	2209.0	2159.0	1630.6	2208.0
Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

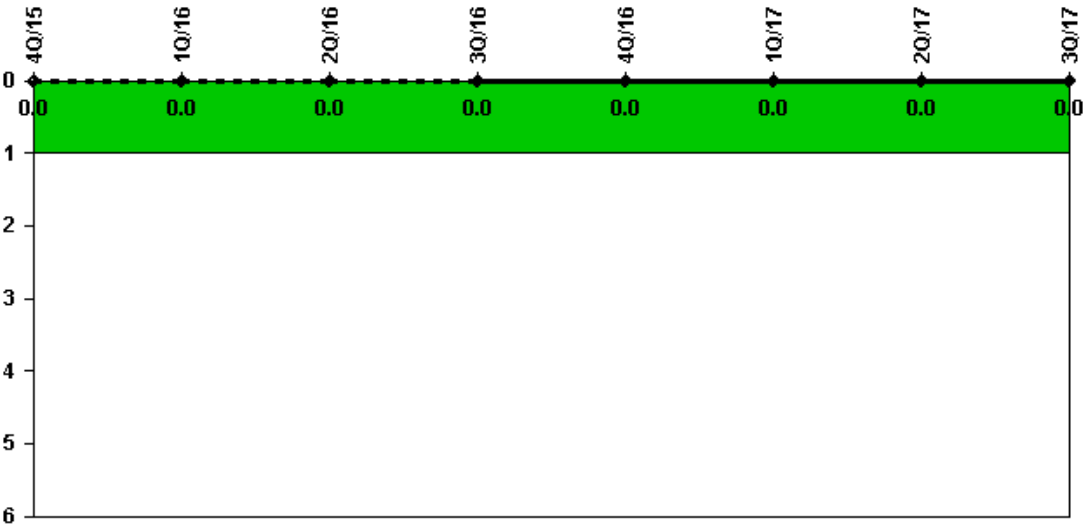
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1600.2	2183.0	2184.0	2208.0	2209.0	2159.0	1630.6	2208.0
Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

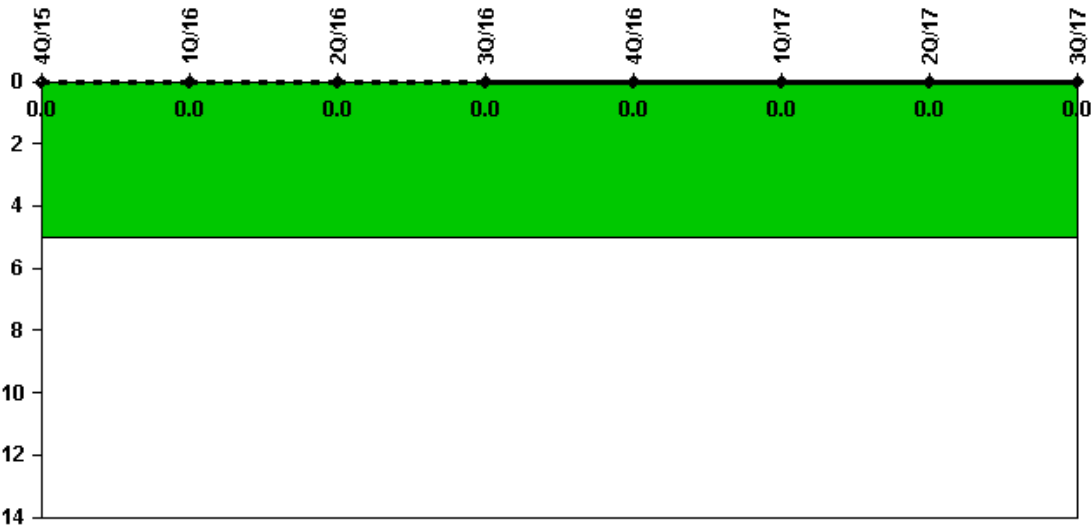
Notes

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 (PWR)



Thresholds: White > 5.0

Notes

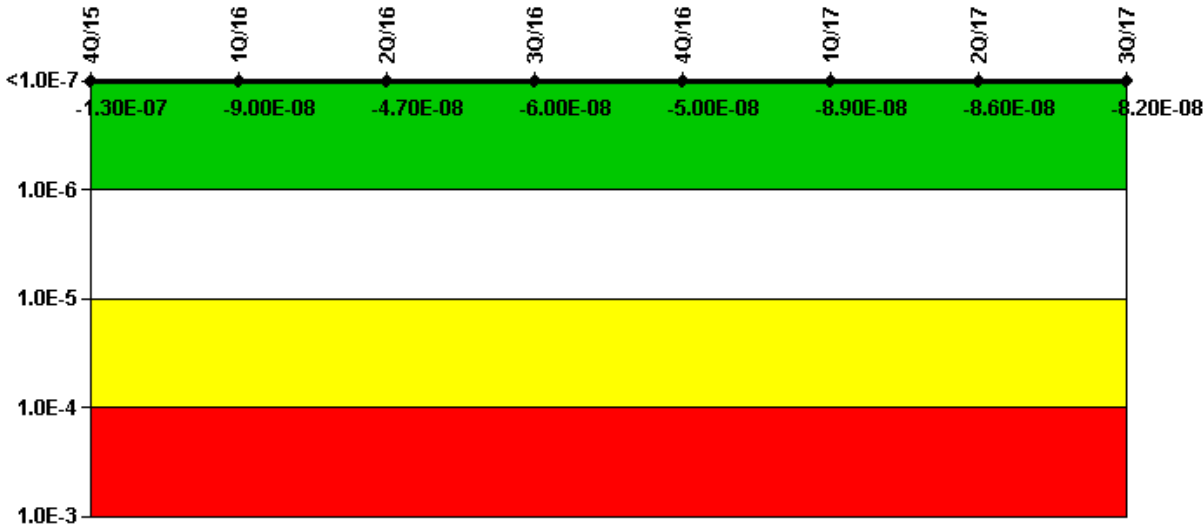
Safety System Functional Failures (PWR)4Q/151Q/162Q/163Q/164Q/161Q/172Q/173Q/17
Safety System Functional Failures 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

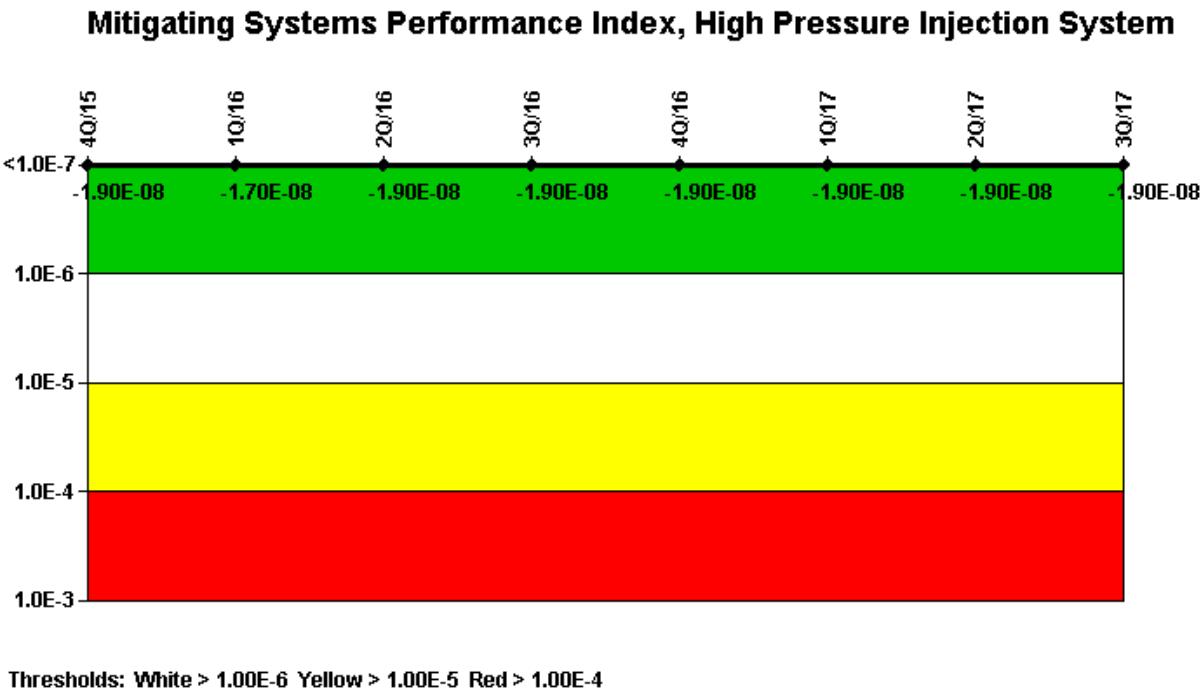
Notes

Mitigating Systems Performance Index, Emergency

AC Power System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	5.71E-08	9.25E-08	1.36E-07	1.23E-07	1.33E-07	9.35E-08	9.70E-08	1.01E-07
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-9.00E-08	-4.70E-08	-6.00E-08	-5.00E-08	-8.90E-08	-8.60E-08	-8.20E-08

TOP

Licensee Comments: none



Notes

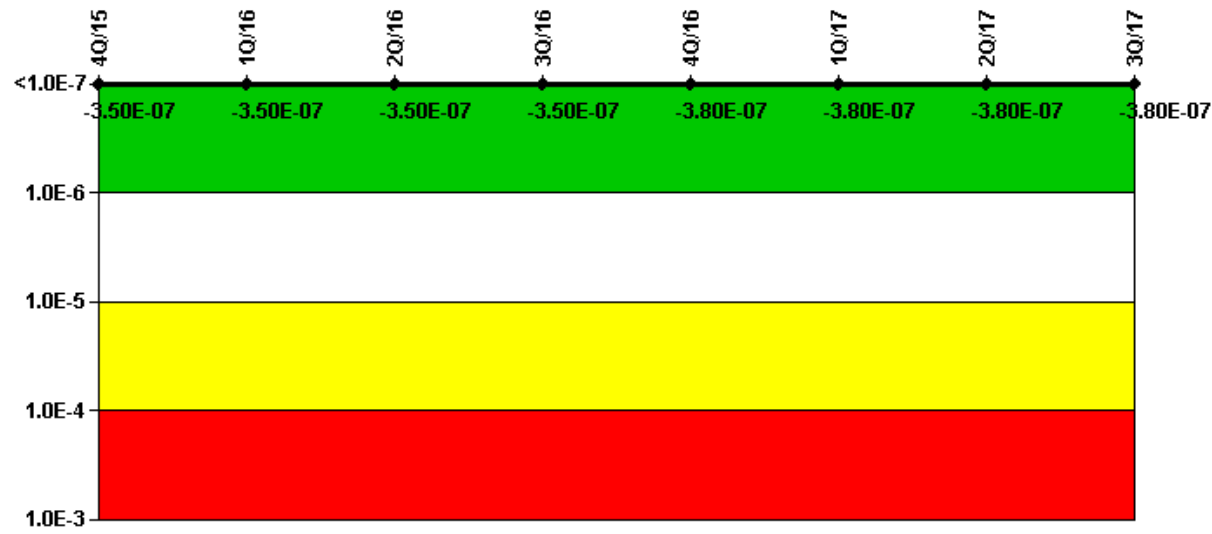
Mitigating Systems Performance Index, High Pressure Injection System

UAI (ΔCDF)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
	-7.67E-09	-5.31E-09	-7.67E-09	-7.67E-09	-7.76E-09	-7.78E-09	-7.78E-09	-7.78E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-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

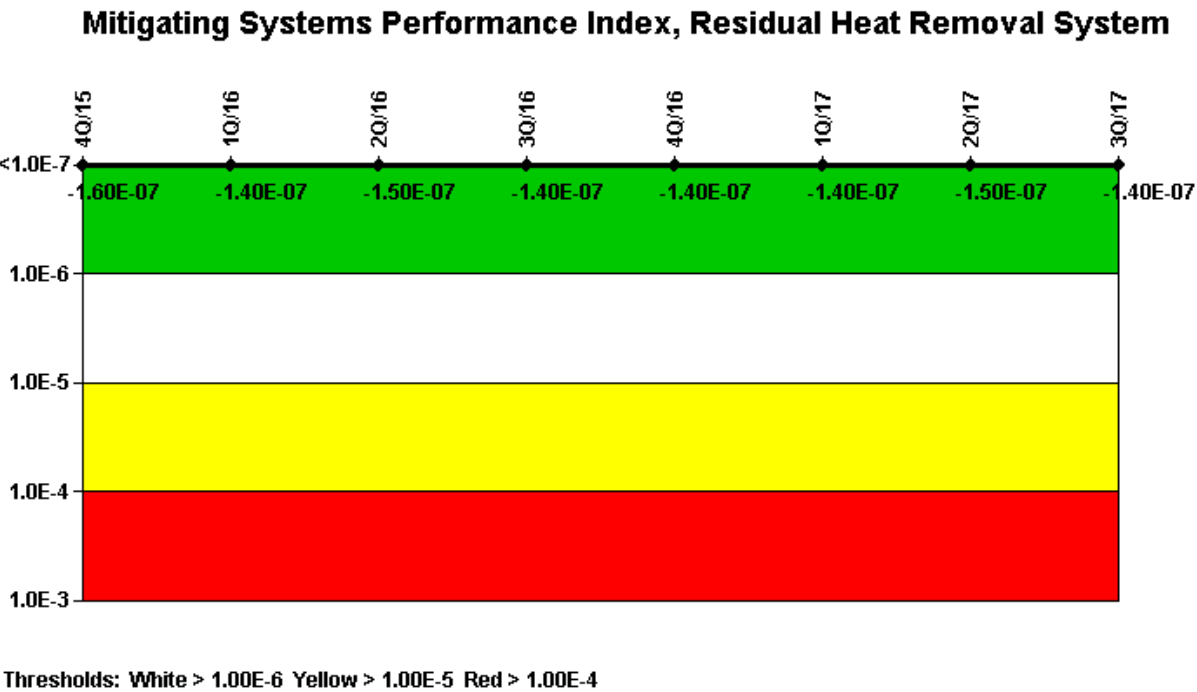
Notes

Mitigating Systems Performance Index, Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-1.24E-09	-2.13E-09	-1.13E-09	-1.13E-09	-2.55E-08	-2.55E-08	-2.40E-08	-2.63E-08
URI (ΔCDF)	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.50E-07	-3.50E-07	-3.50E-07	-3.50E-07	-3.80E-07	-3.80E-07	-3.80E-07	-3.80E-07

TOP

Licensee Comments: none



Notes

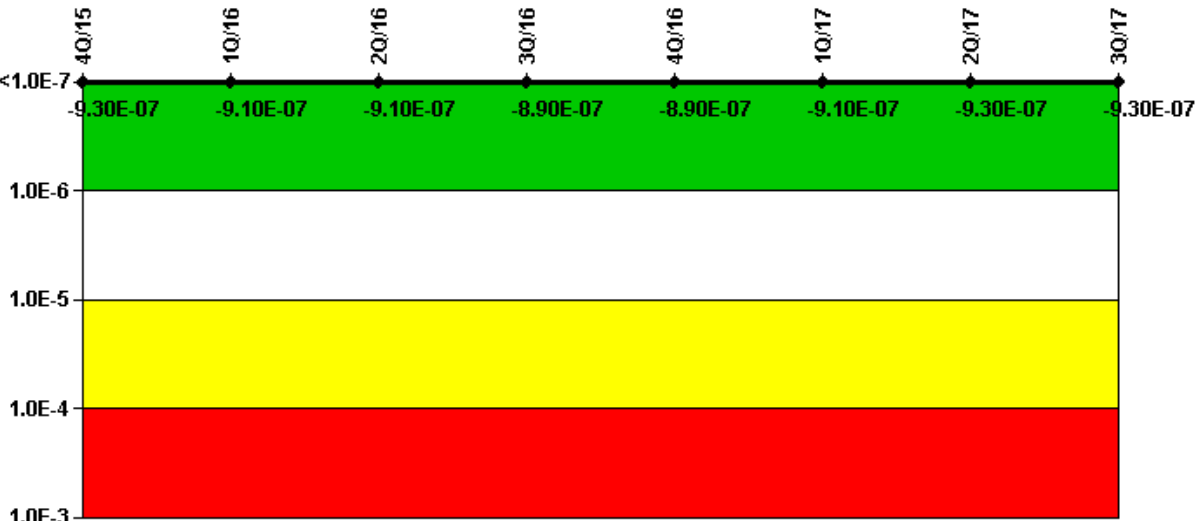
Mitigating Systems Performance Index, Residual Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-1.40E-08	1.31E-10	-3.44E-09	-2.63E-10	8.36E-09	-1.84E-10	-9.53E-09	8.35E-10
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.50E-07	-1.40E-07

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

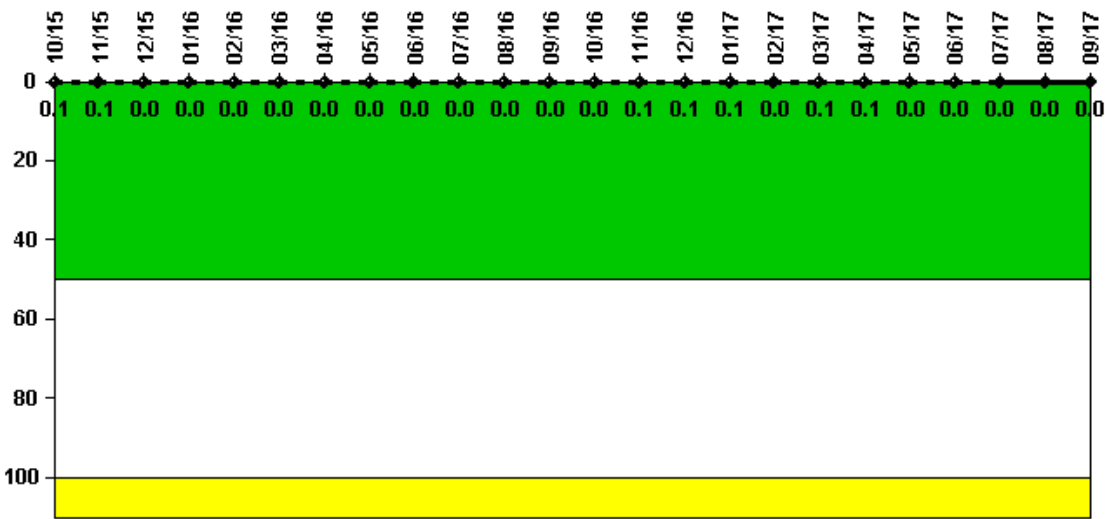
Mitigating Systems Performance Index, Cooling Water Systems

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-4.82E-07	-4.67E-07	-4.67E-07	-4.47E-07	-4.47E-07	-4.62E-07	-4.84E-07	-4.84E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.30E-07	-9.10E-07	-9.10E-07	-8.90E-07	-8.90E-07	-9.10E-07	-9.30E-07	-9.30E-07

TOP

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

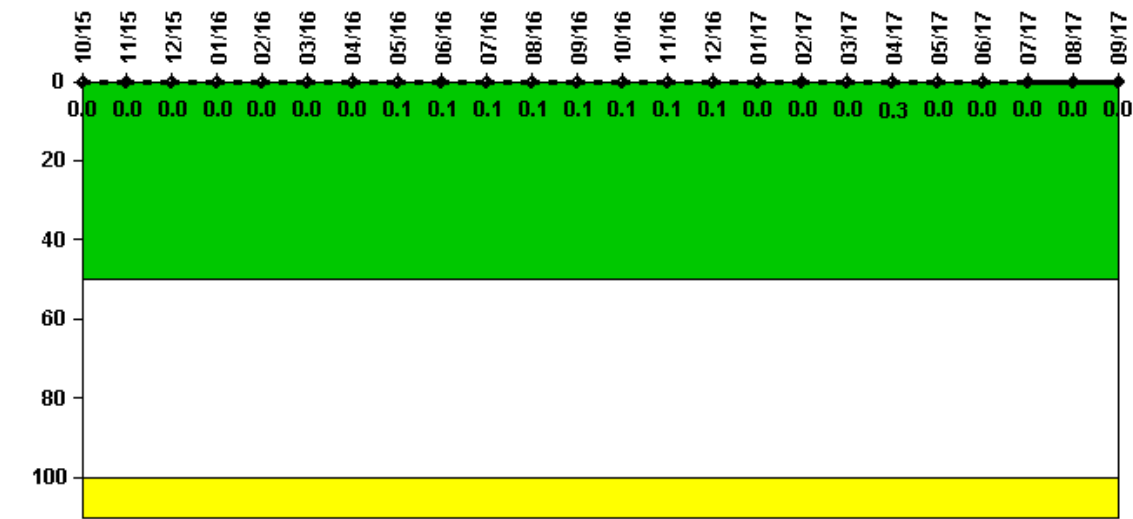
Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000552	0.000650	0.000122	0.000079	0.000073	0.000079	0.000085	0.000098	0.000123	0.000126	0.000136	0.000142
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	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	0.000146	0.000246	0.000251	0.000271	0.000180	0.000289	0.000301	0.000057	0.000063	0.000070	0.000068	0.000075
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0.1	0.1	0.1	0	0.1	0.1	0	0	0	0	0

TOP

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

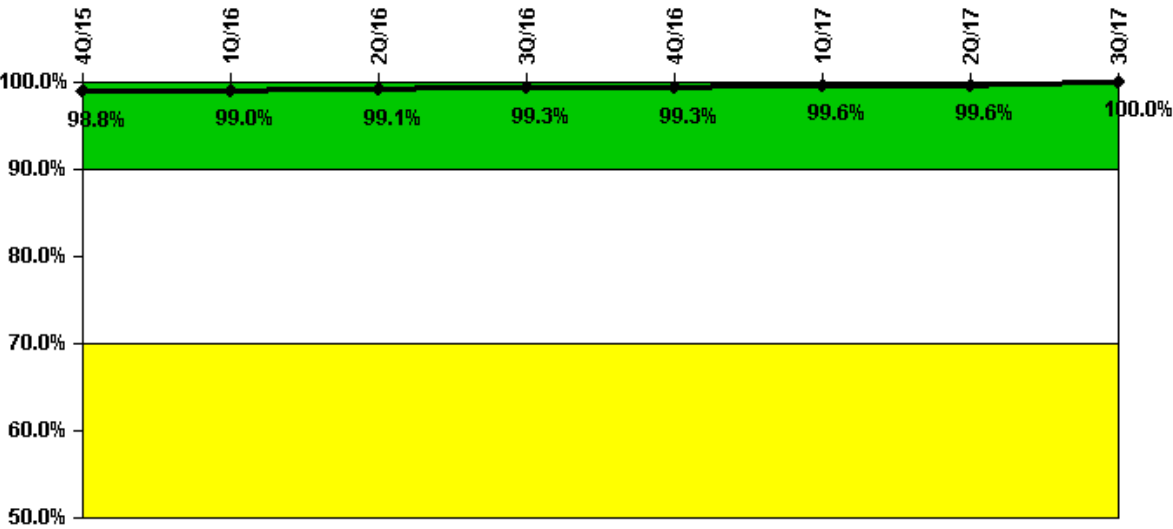
Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.004	0.004	0.004	0.002	0.003	0.004	0.004	0.006	0.008	0.006	0.008	0.007
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	0.006	0.005	0.005	0.003	0.004	0.004	0.032	0.003	0.002	0.002	0.004	0.004
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.1	0	0	0	0.3	0	0	0	0	0

TOP

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

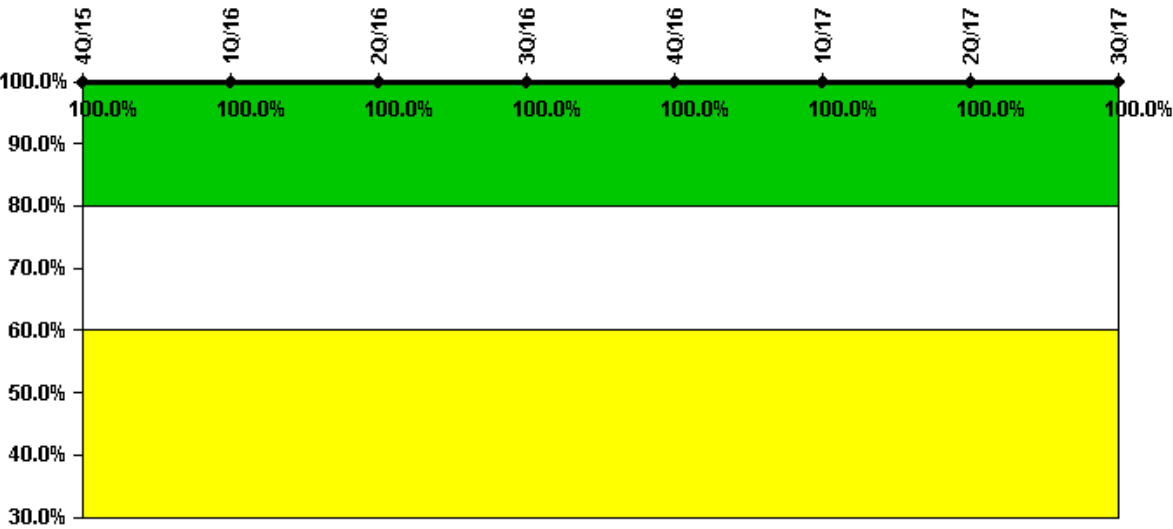
Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	46.0	38.0	24.0	61.0	19.0	7.0	0	22.0
Total opportunities	46.0	38.0	24.0	61.0	19.0	7.0	0	22.0

Indicator value 98.8% 99.0% 99.1% 99.3% 99.3% 99.6% 99.6% 100.0%

TOP

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

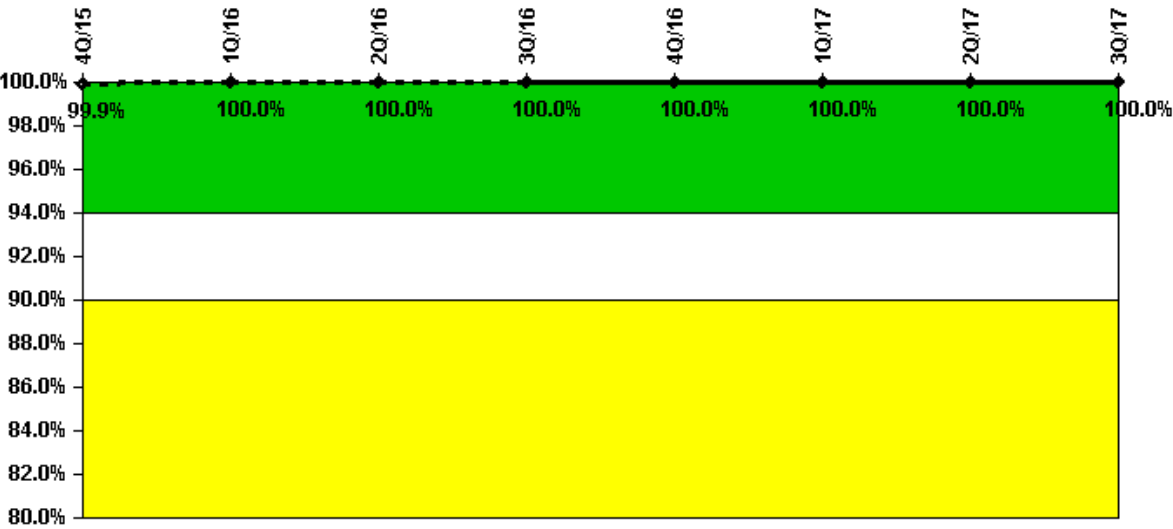
ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	130.0	131.0	130.0	131.0	133.0	146.0	145.0	139.0
Total Key personnel	130.0	131.0	130.0	131.0	133.0	146.0	145.0	139.0

Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

TOP

Licensee Comments:
1Q/16: Revised to add an active shift manager that was not counted for participation. The shift manager holds 2 positions, Emergency Coordinator & off-site communicator. Nuclear Condition Report 02043466 written. This does not affect the overall percentage.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

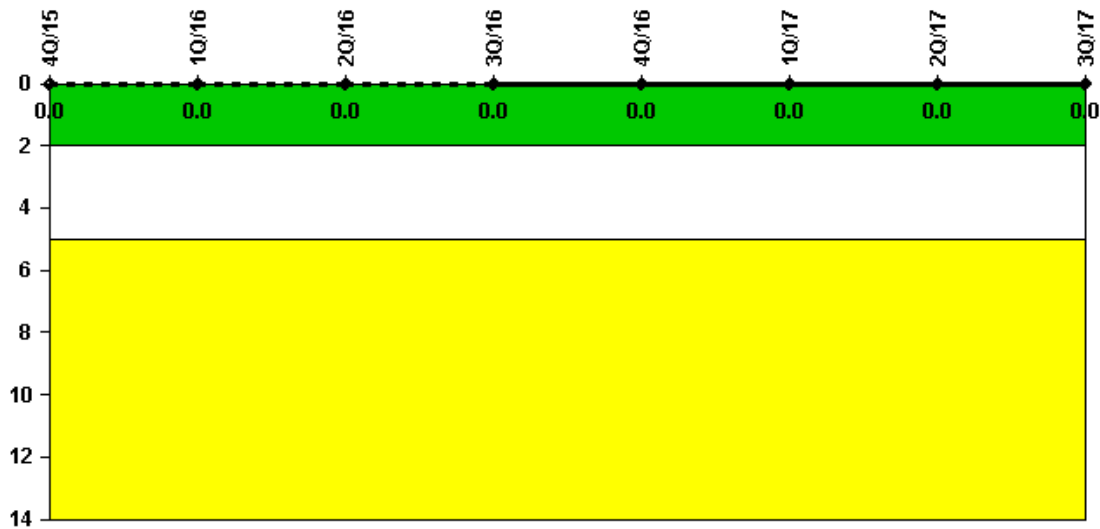
Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	2492	2402	2403	2402	2399	2402	2401	2403
Total sirens-tests	2492	2402	2403	2402	2401	2402	2403	2403

Indicator value 99.9% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

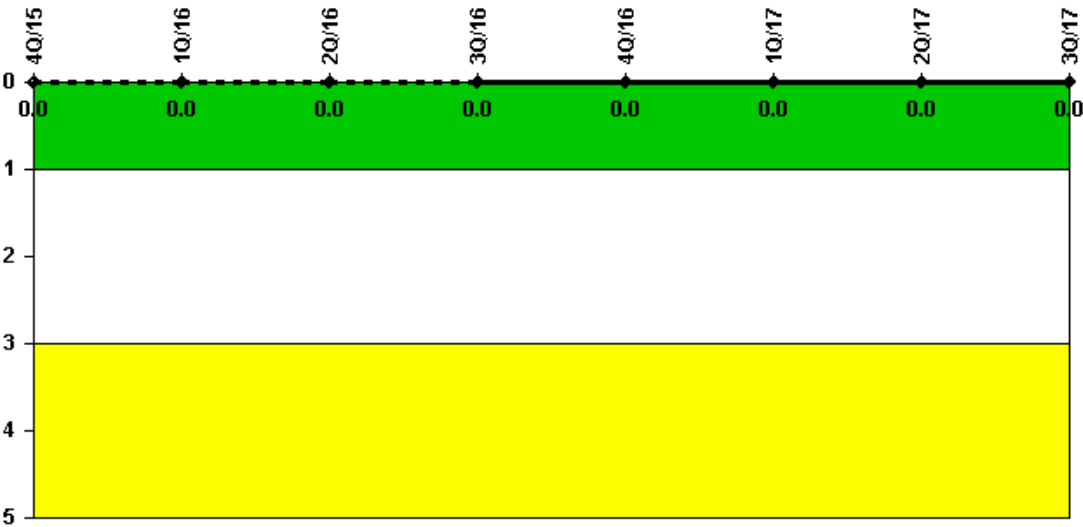
Notes

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

TOP

Licensee Comments: none

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

Current data as of: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries> Catawba 1 > Quarterly Performance Indicators

Catawba 1 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

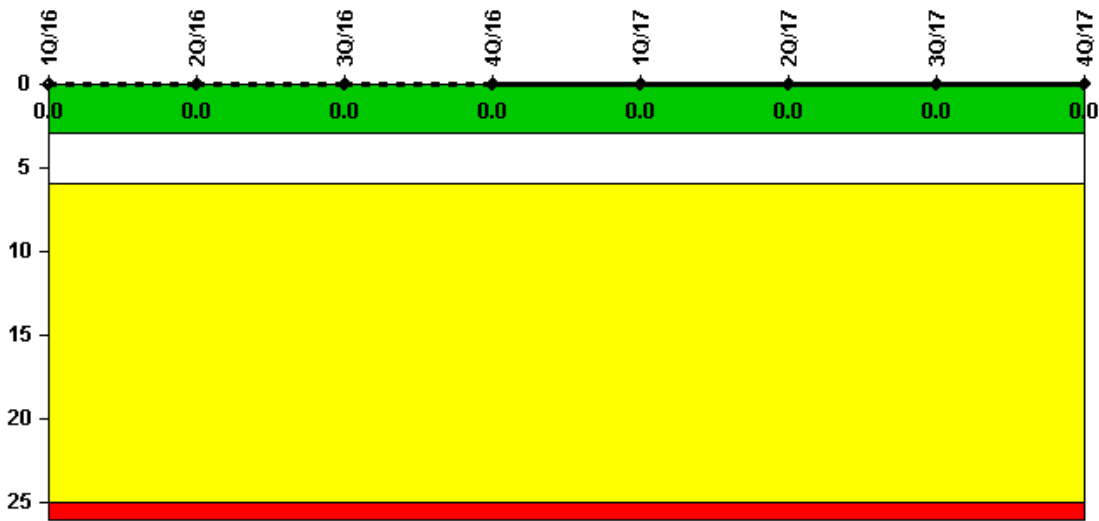
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
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- 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

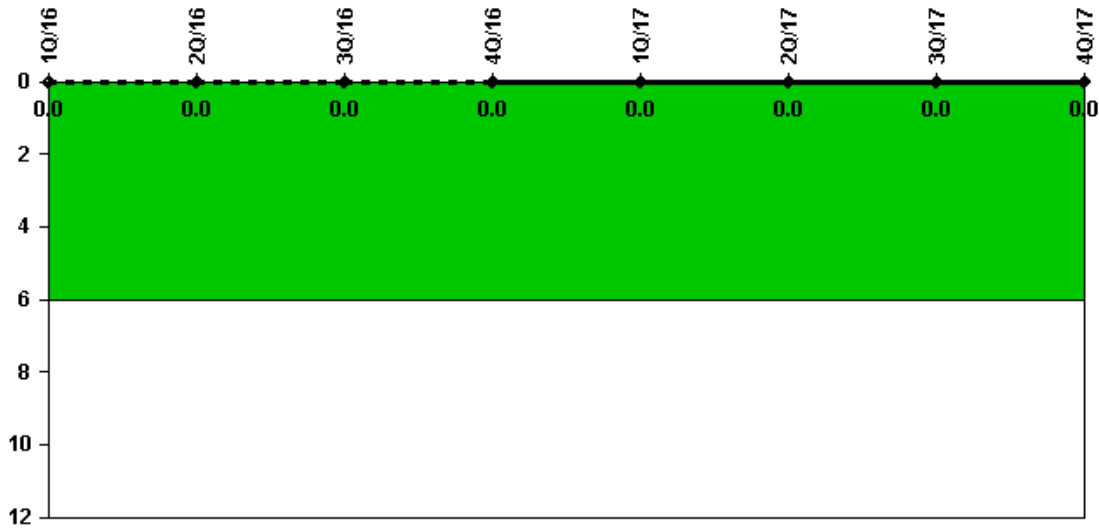
Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1630.6	2208.0	2209.0

Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

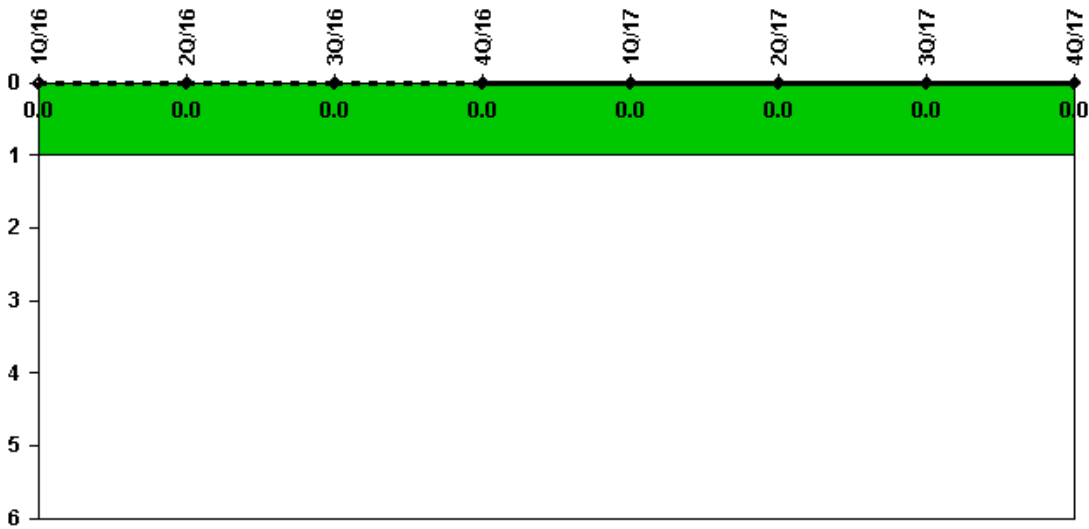
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1630.6	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

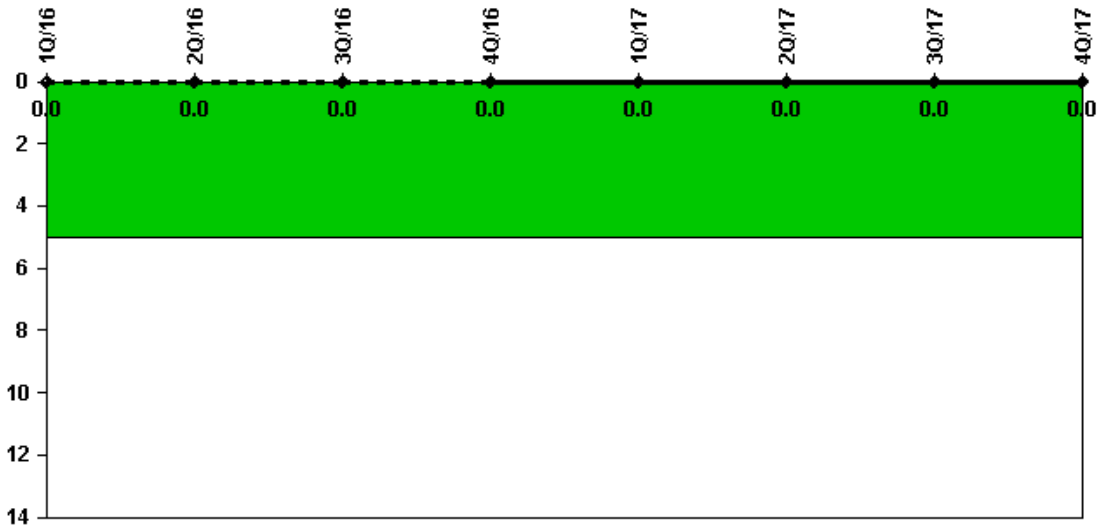
Notes

Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOP

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

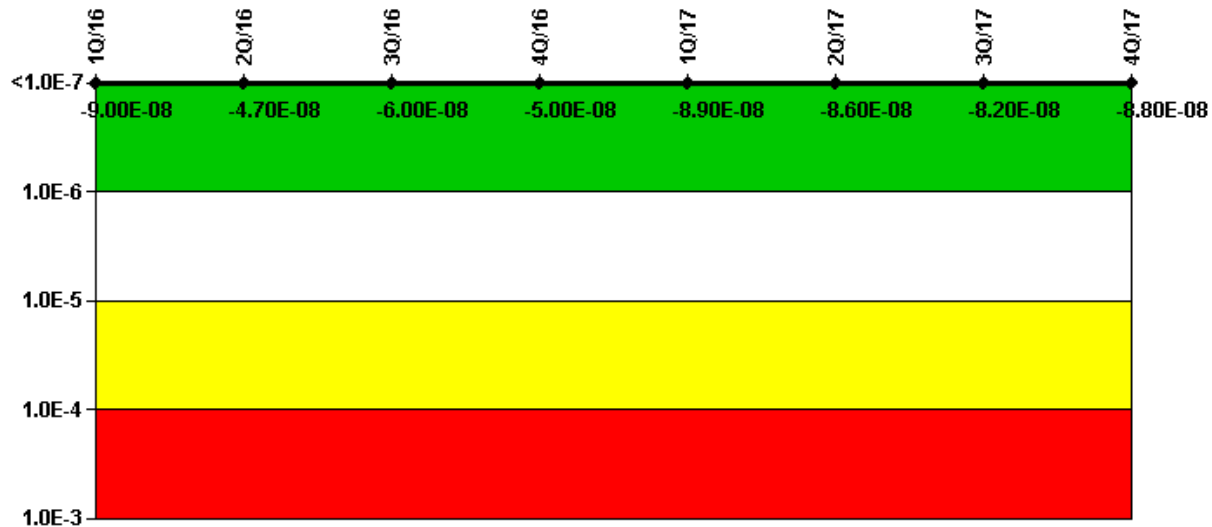
Safety System Functional Failures (PWR) 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17
 Safety System Functional Failures 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

▲ TOP

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



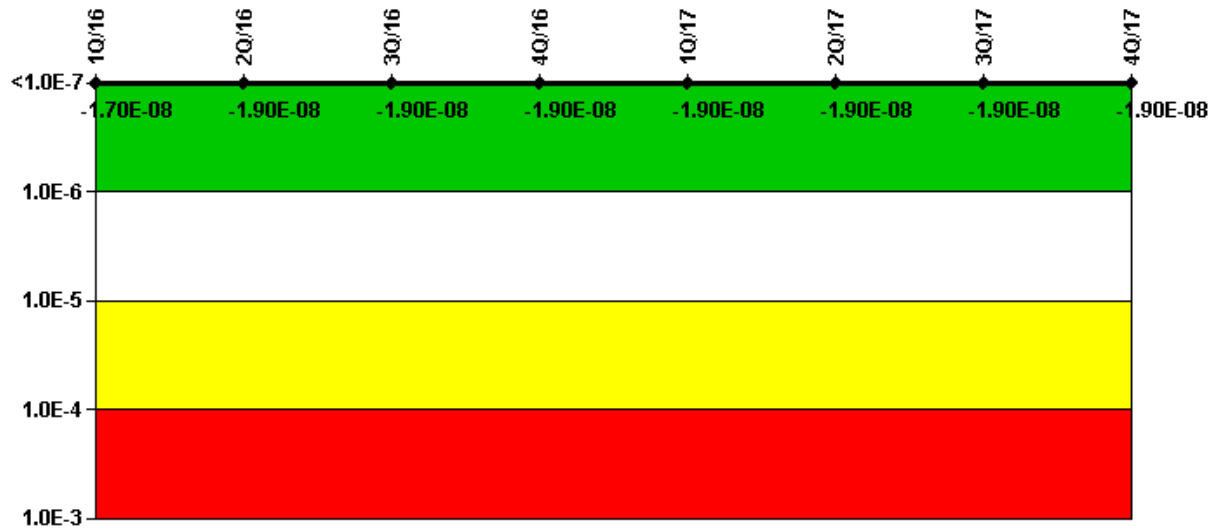
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes**Mitigating Systems Performance Index, Emergency****AC Power System**

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	9.25E-08	1.36E-07	1.23E-07	1.33E-07	9.35E-08	9.70E-08	1.01E-07	9.54E-08
URI (ΔCDF)	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-08	-4.70E-08	-6.00E-08	-5.00E-08	-8.90E-08	-8.60E-08	-8.20E-08	-8.80E-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

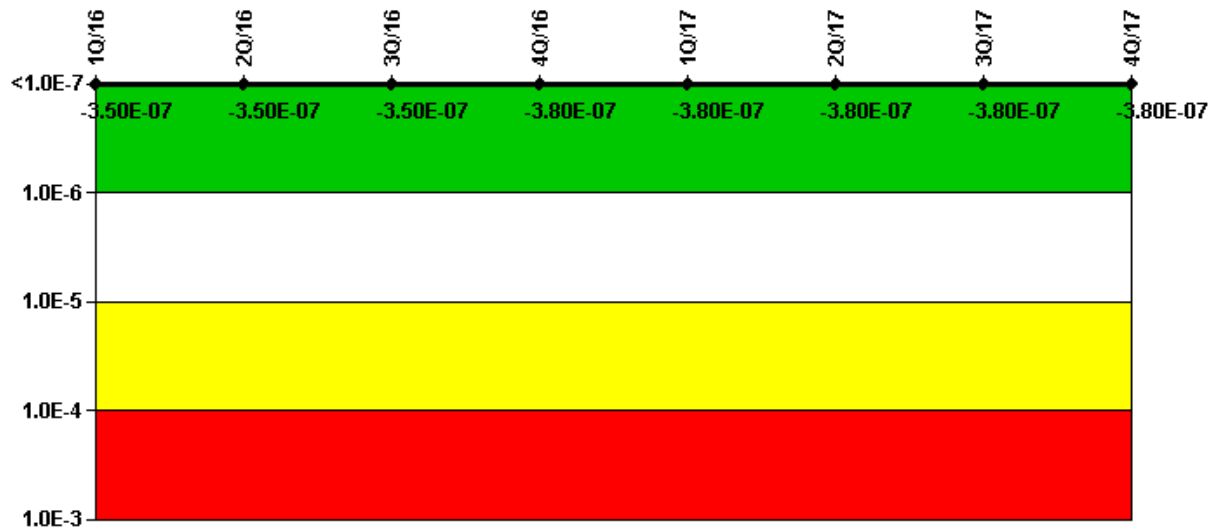
Notes**Mitigating Systems Performance Index, High Pressure Injection System**

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-5.31E-09	-7.67E-09	-7.67E-09	-7.76E-09	-7.78E-09	-7.78E-09	-7.78E-09	-7.78E-09
URI (ΔCDF)	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-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

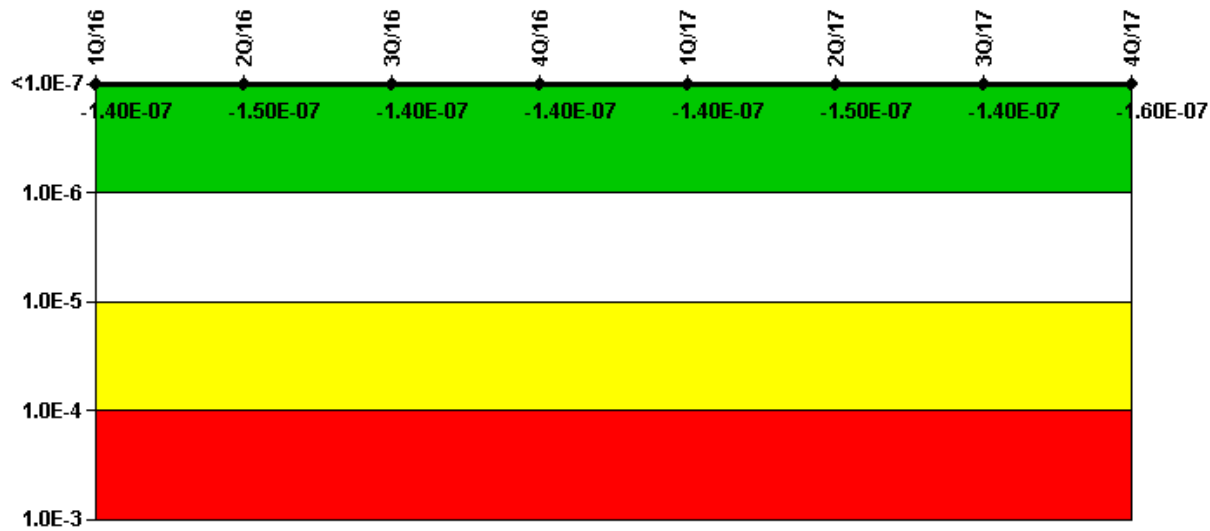
Mitigating Systems Performance Index, Heat Removal System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-2.13E-09	-1.13E-09	-1.13E-09	-2.55E-08	-2.55E-08	-2.40E-08	-2.63E-08	-2.63E-08
URI (ΔCDF)	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07	-3.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.50E-07	-3.50E-07	-3.50E-07	-3.80E-07	-3.80E-07	-3.80E-07	-3.80E-07	-3.80E-07

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

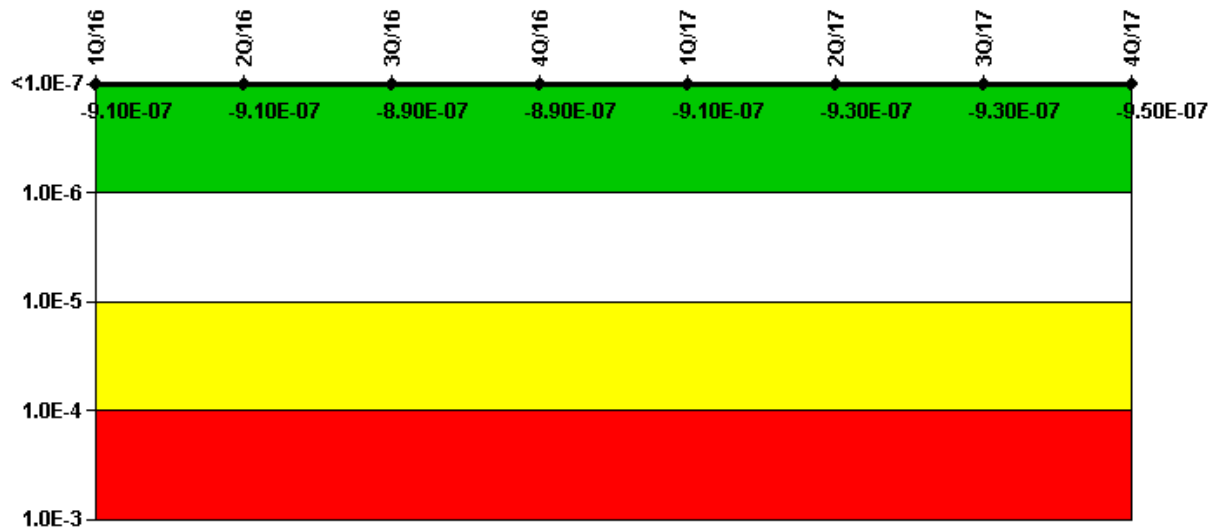
Mitigating Systems Performance Index, Residual Heat Removal System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	1.31E-10	-3.44E-09	-2.63E-10	8.36E-09	-1.84E-10	-9.53E-09	8.35E-10	-1.81E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.50E-07	-1.40E-07	-1.60E-07

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

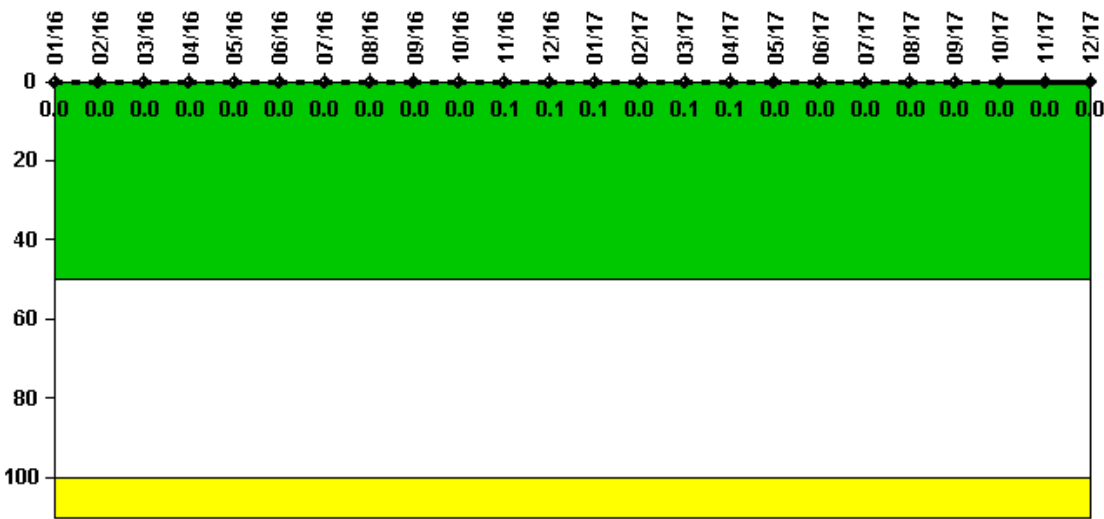
Mitigating Systems Performance Index, Cooling Water Systems

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-4.67E-07	-4.67E-07	-4.47E-07	-4.47E-07	-4.62E-07	-4.84E-07	-4.84E-07	-5.05E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.10E-07	-9.10E-07	-8.90E-07	-8.90E-07	-9.10E-07	-9.30E-07	-9.30E-07	-9.50E-07

TOP

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

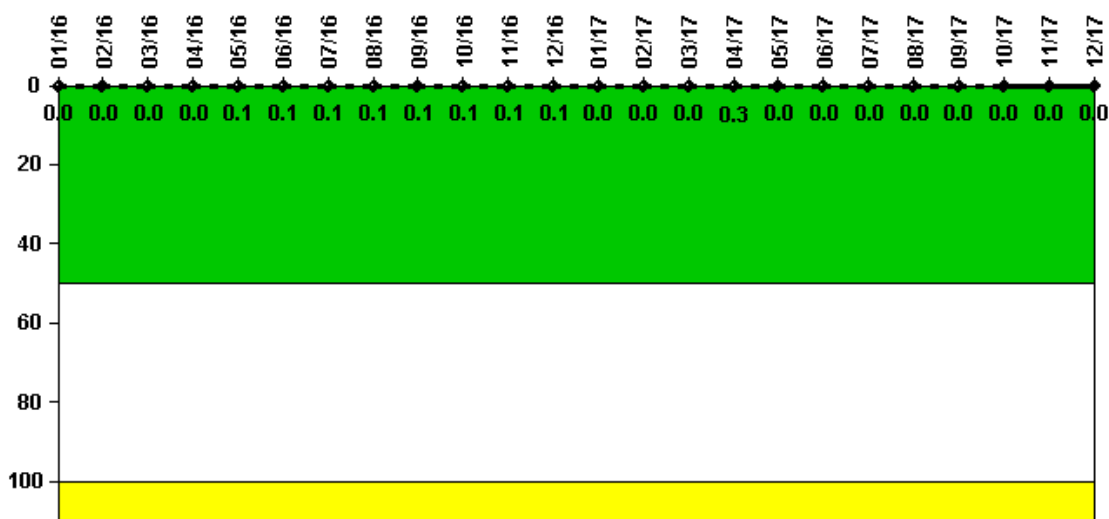
Notes

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	0.000079	0.000073	0.000079	0.000085	0.000098	0.000123	0.000126	0.000136	0.000142	0.000146	0.000246	0.000251
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0.1	0.1
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	0.000271	0.000180	0.000289	0.000301	0.000057	0.000063	0.000070	0.000068	0.000075	0.000091	0.000093	0.000177
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0	0.1	0.1	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	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.002	0.003	0.004	0.004	0.006	0.008	0.006	0.008	0.007	0.006	0.005	0.005
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

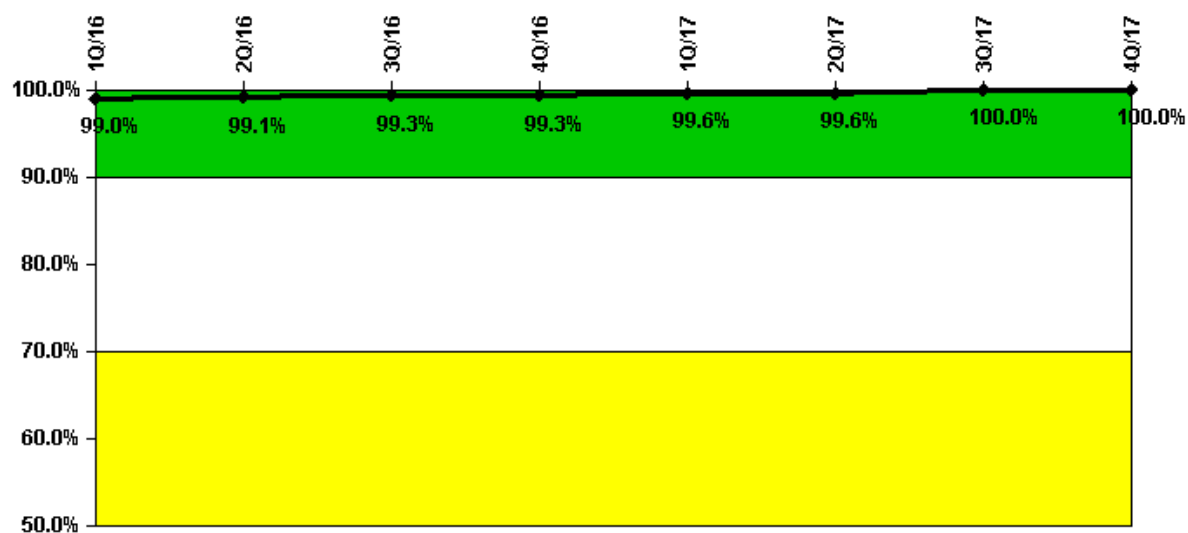
Indicator value	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	0.003	0.004	0.004	0.032	0.003	0.002	0.002	0.004	0.004	0.002	0.001	0.002
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	0	0	0	0.3	0	0	0	0	0	0	0	0

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Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

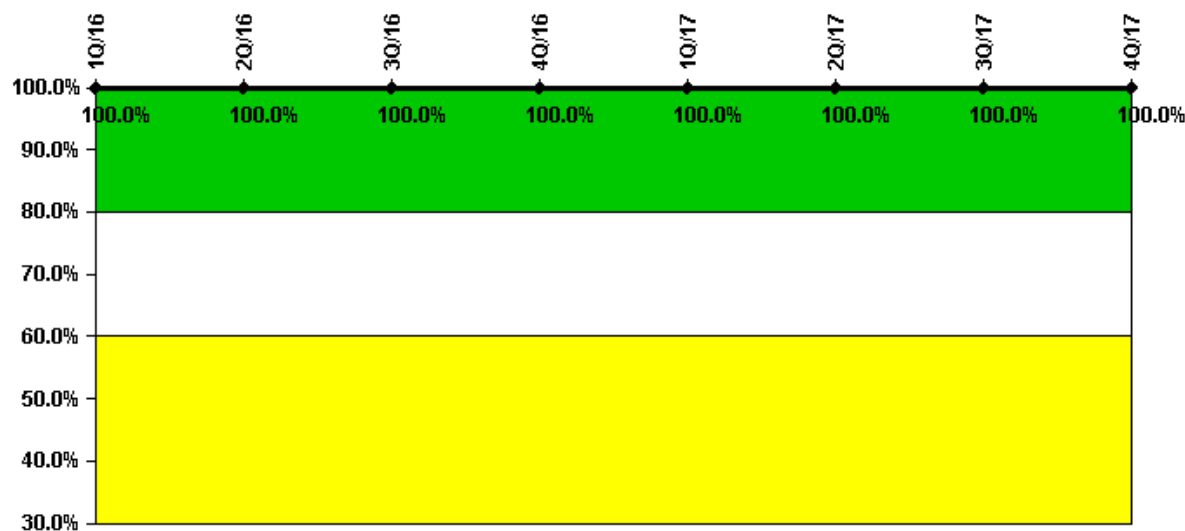
Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	38.0	24.0	61.0	19.0	7.0	0	22.0	31.0
Total opportunities	38.0	24.0	61.0	19.0	7.0	0	22.0	31.0

Indicator value 99.0% 99.1% 99.3% 99.3% 99.6% 99.6% 100.0% 100.0%

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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	131.0	130.0	131.0	133.0	146.0	145.0	139.0	138.0
Total Key personnel	131.0	130.0	131.0	133.0	146.0	145.0	139.0	138.0

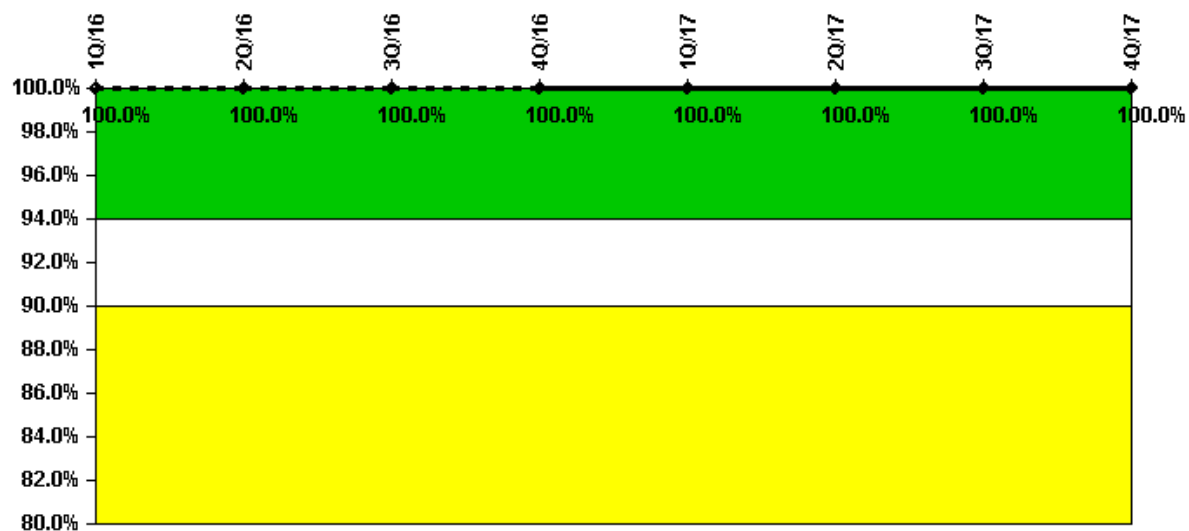
Indicator value **100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%**

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Licensee Comments:

1Q/16: Revised to add an active shift manager that was not counted for participation. The shift manager holds 2 positions, Emergency Coordinator & off-site communicator. Nuclear Condition Report 02043466 written. This does not affect the overall percentage.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

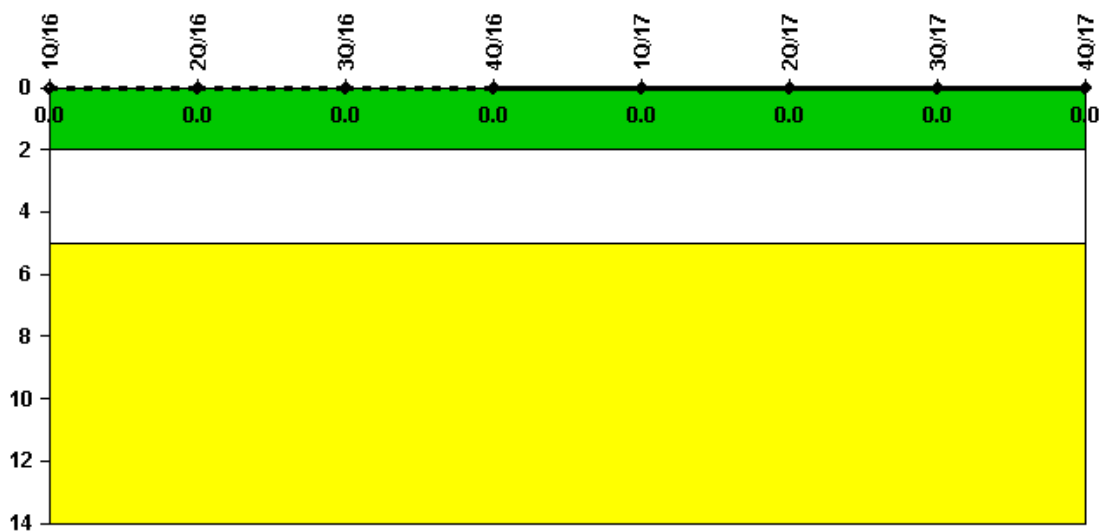
Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	2402	2403	2402	2399	2402	2401	2403	2402
Total sirens-tests	2402	2403	2402	2401	2402	2403	2403	2402

Indicator value 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

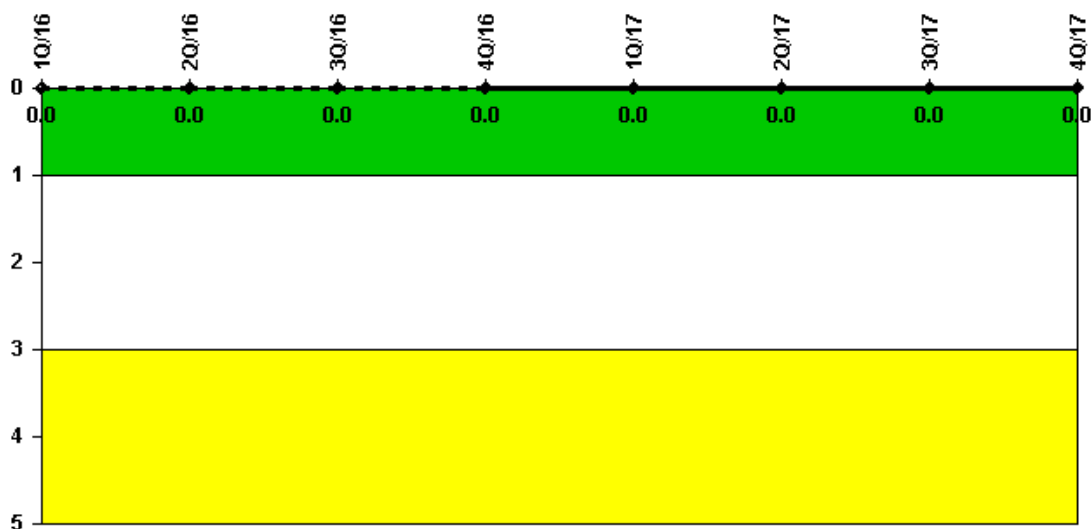
Occupational Exposure Control Effectiveness1Q/162Q/163Q/164Q/161Q/172Q/173Q/174Q/17

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

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

RETS/ODCM occurrences 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

TOP

Licensee Comments: none

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

Current data as of: February 1, 2018

Page Last Reviewed/Updated Monday, November 06, 2017