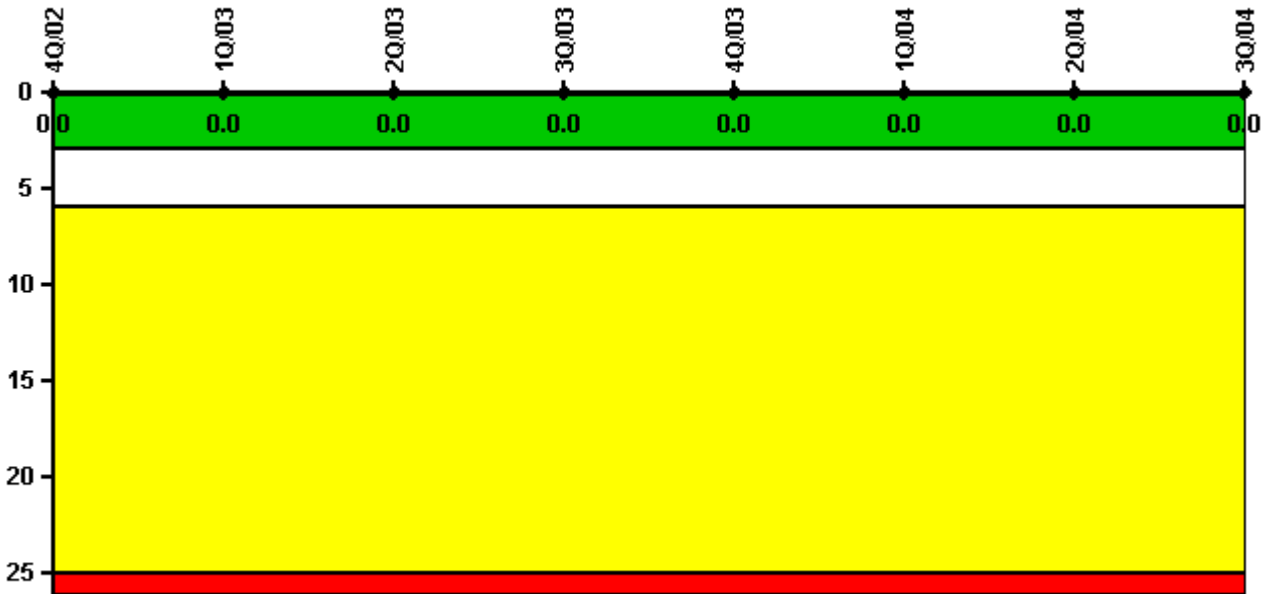


Kewaunee

3Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	1348.2	2208.0	2209.0	1828.6	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



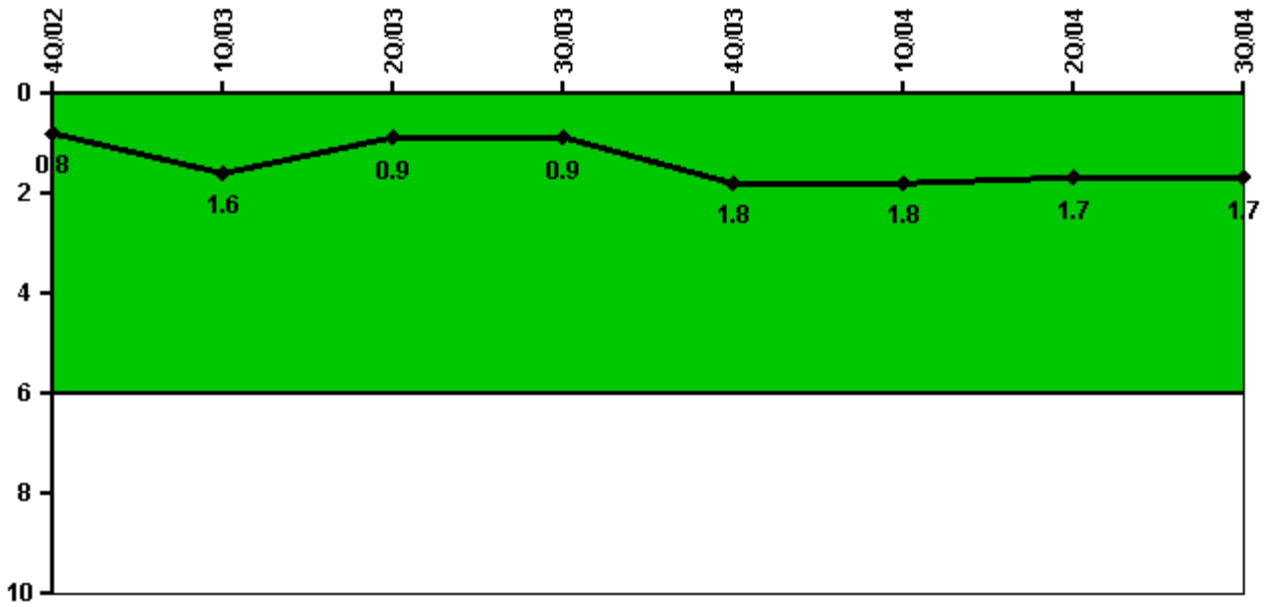
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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



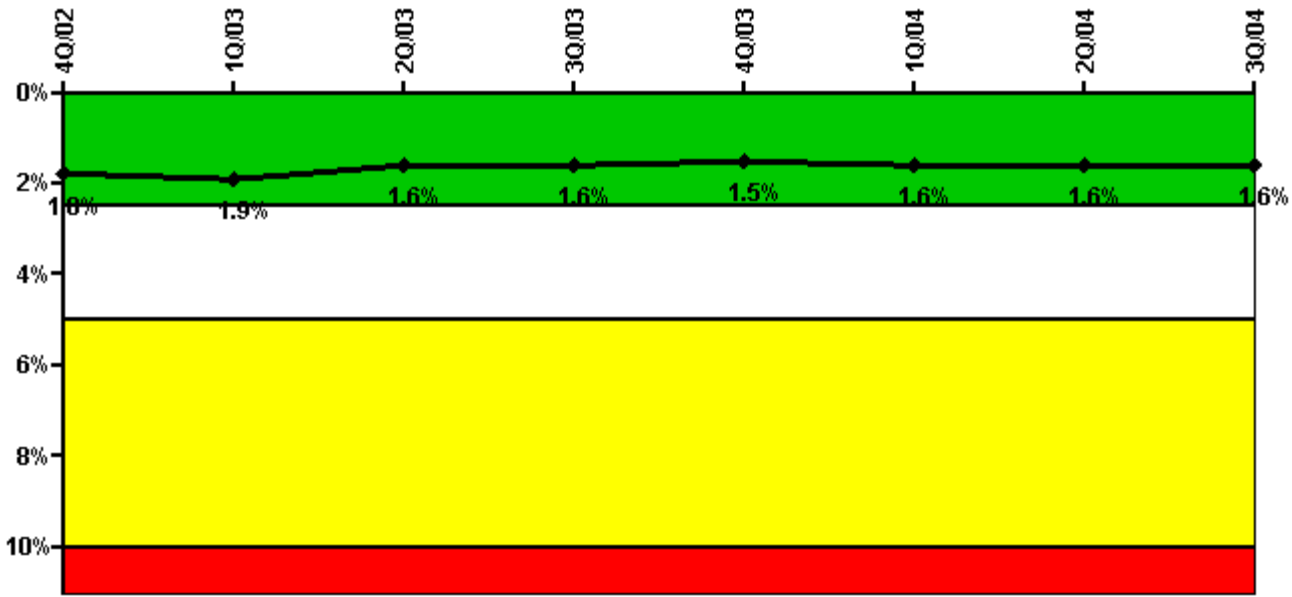
Thresholds: White > 6.0

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	1.0	0	0	1.0	1.0	0	0
Critical hours	2209.0	2160.0	1348.2	2208.0	2209.0	1828.6	2183.0	2208.0
Indicator value	0.8	1.6	0.9	0.9	1.8	1.8	1.7	1.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



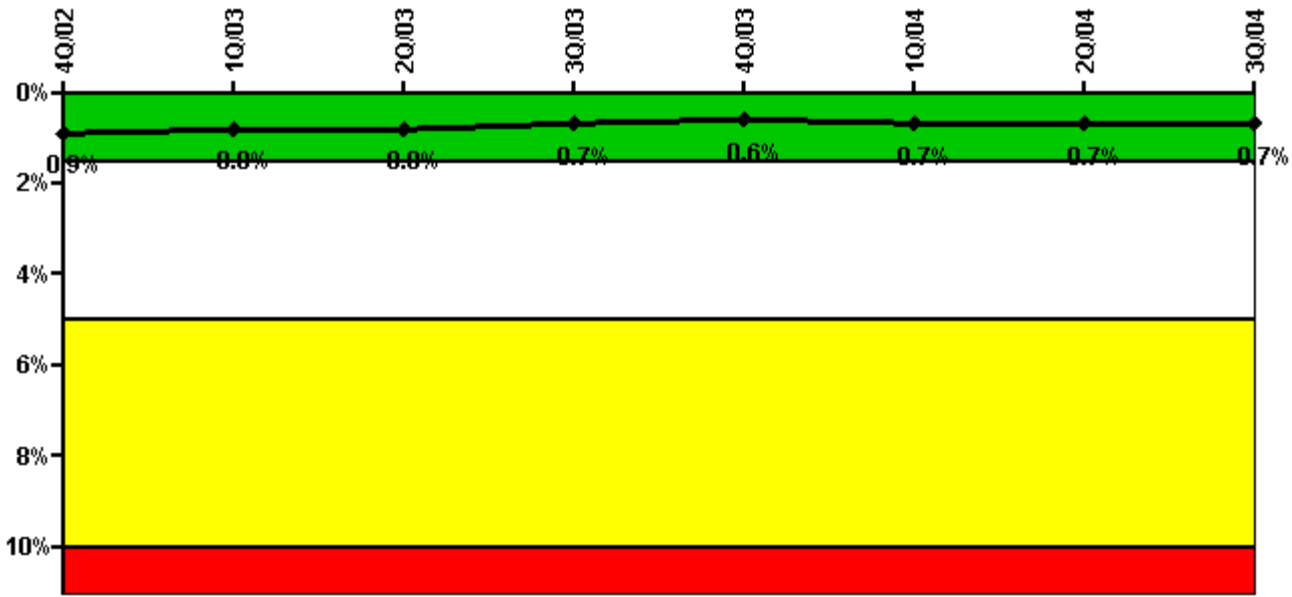
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	33.89	56.25	40.13	25.63	43.46	31.36	49.23	41.73
Unplanned unavailable hours	4.80	0	0	0	2.33	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	34.53	16.70	30.61	25.61	25.66	20.77	42.00	29.60
Unplanned unavailable hours	2.97	6.12	0	0	0	13.42	0	0
Fault exposure hours	0	22.75	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	1.8%	1.9%	1.6%	1.6%	1.5%	1.6%	1.6%	1.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



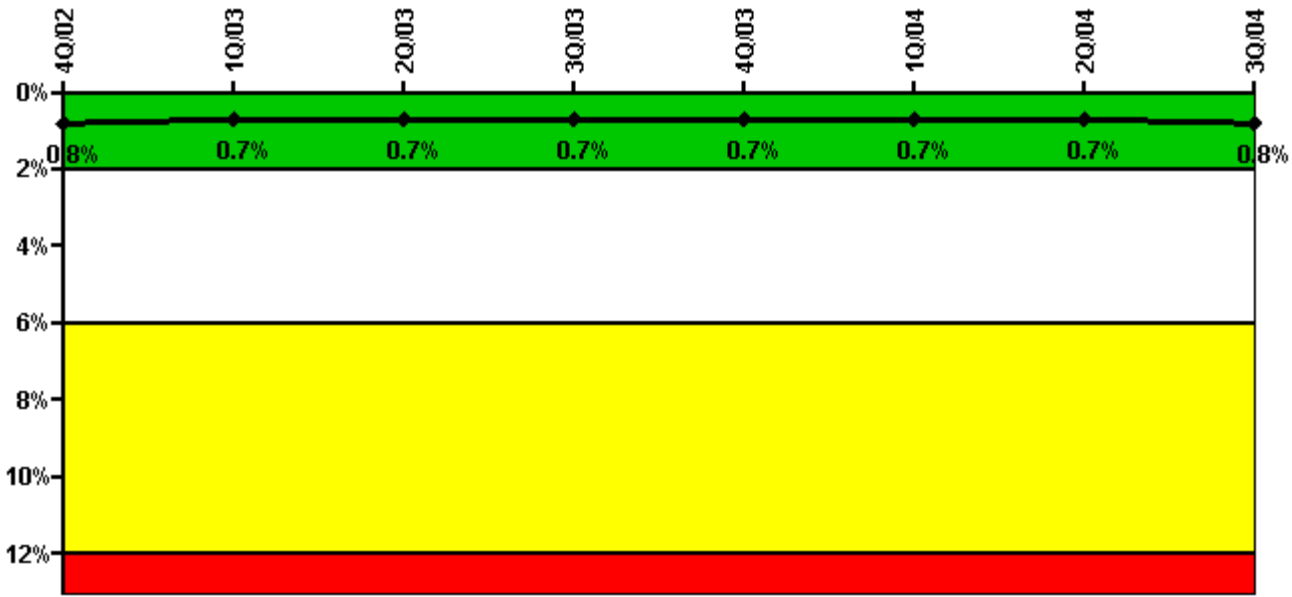
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	18.55	1.82	24.20	11.50	25.62	20.13	19.74	17.53
Unplanned unavailable hours	0	0	0	0	0	0	0	1.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1355.17	2208.00	2209.00	1820.38	2183.00	2208.00
Train 2								
Planned unavailable hours	19.46	5.66	21.61	9.48	13.33	9.82	21.06	12.86
Unplanned unavailable hours	0	0	0	0	0	9.75	0	0
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	1355.17	2208.00	2209.00	1820.38	2183.00	2208.00
Indicator value	0.9%	0.8%	0.8%	0.7%	0.6%	0.7%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

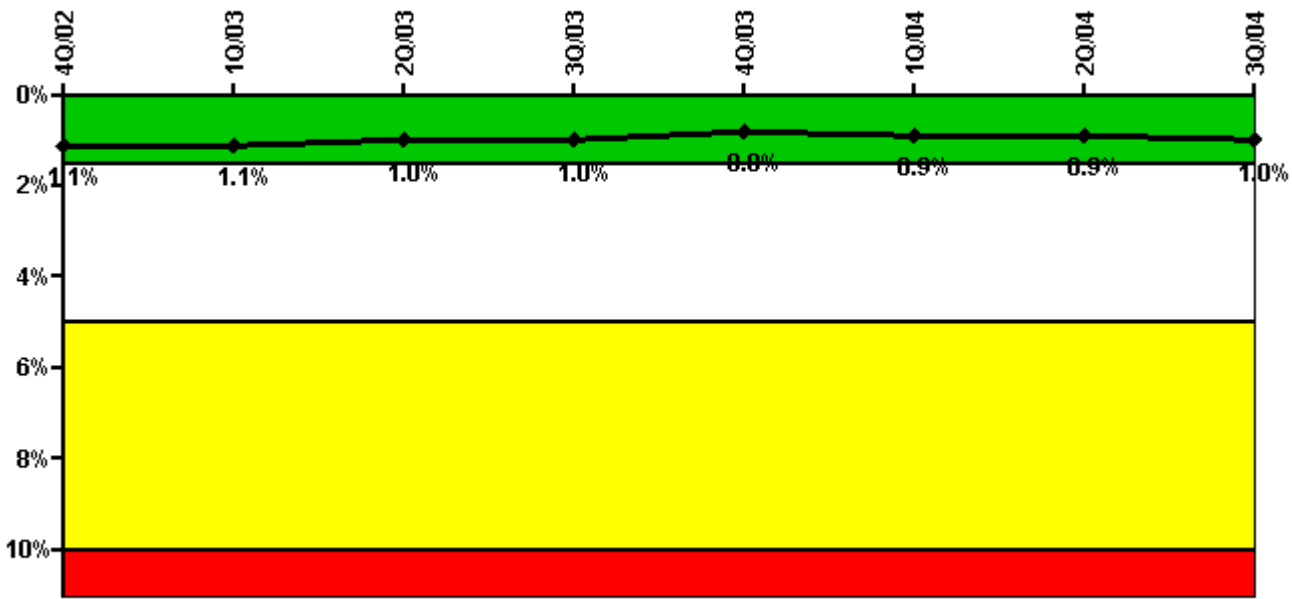
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	26.91	2.79	17.55	7.44	22.85	21.00	21.06	25.64
Unplanned unavailable hours	0	0	0	0	0	0	0	6.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1365.17	2208.00	2209.00	1828.60	2183.00	2208.00
Train 2								
Planned unavailable hours	18.24	2.07	18.73	30.98	9.29	11.30	19.88	21.27
Unplanned unavailable hours	0	0	0	0	0	0	0	23.55
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	1365.17	2208.00	2209.00	1828.60	2183.00	2208.00
Train 3								
Planned unavailable hours	17.50	15.60	30.21	3.77	23.90	9.77	13.60	3.91
Unplanned unavailable hours	17.20	0	0	0	0	0	33.23	0
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	1365.17	2208.00	2209.00	1828.60	2183.00	2208.00
Indicator value	0.8%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.8%

Licensee Comments:

2Q/04: During review of AFW unavailability for a maintenance rule evaluation (RCE 654) it was determined that 12 hrs of unplanned unavailability cascaded from the service water system should not have been counted toward AFW. The 12 hours have been removed from April 2004 data.

Safety System Unavailability, Residual Heat Removal System



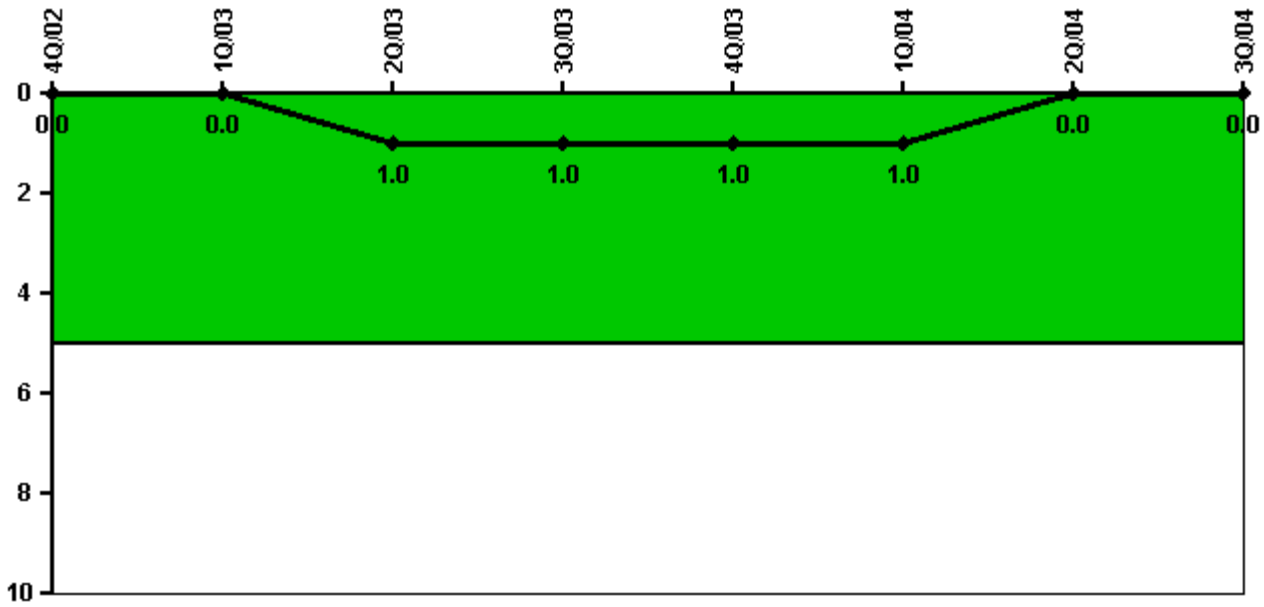
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	24.05	9.67	59.34	6.78	24.93	19.00	28.49	20.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	17.58	11.00	15.34	9.63	9.35	27.85	26.59	25.07
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	1.1%	1.1%	1.0%	1.0%	0.8%	0.9%	0.9%	1.0%

Licensee Comments: none

Safety System Functional Failures (PWR)



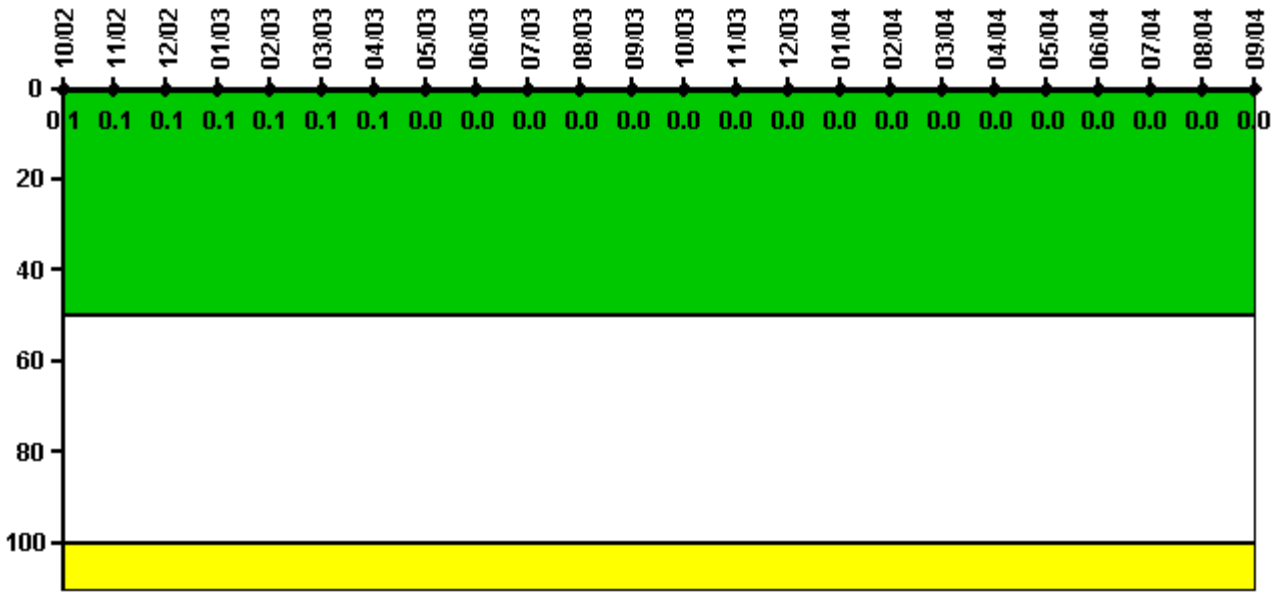
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



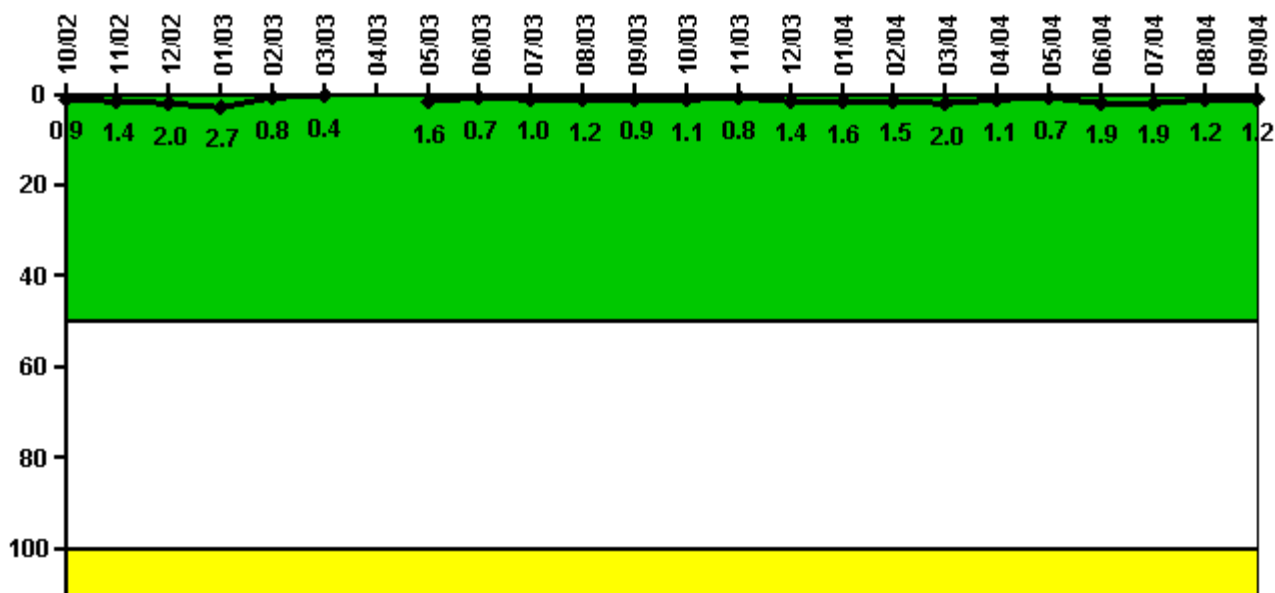
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000258	0.000292	0.000288	0.000279	0.000293	0.000292	0.000282	0.000068	0.000079	0.000078	0.000082	0.000088
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0
Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000089	0.000093	0.000097	0.000096	0.000110	0.000111	0.000113	0.000121	0.000113	0.000130	0.000120	0.000131
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

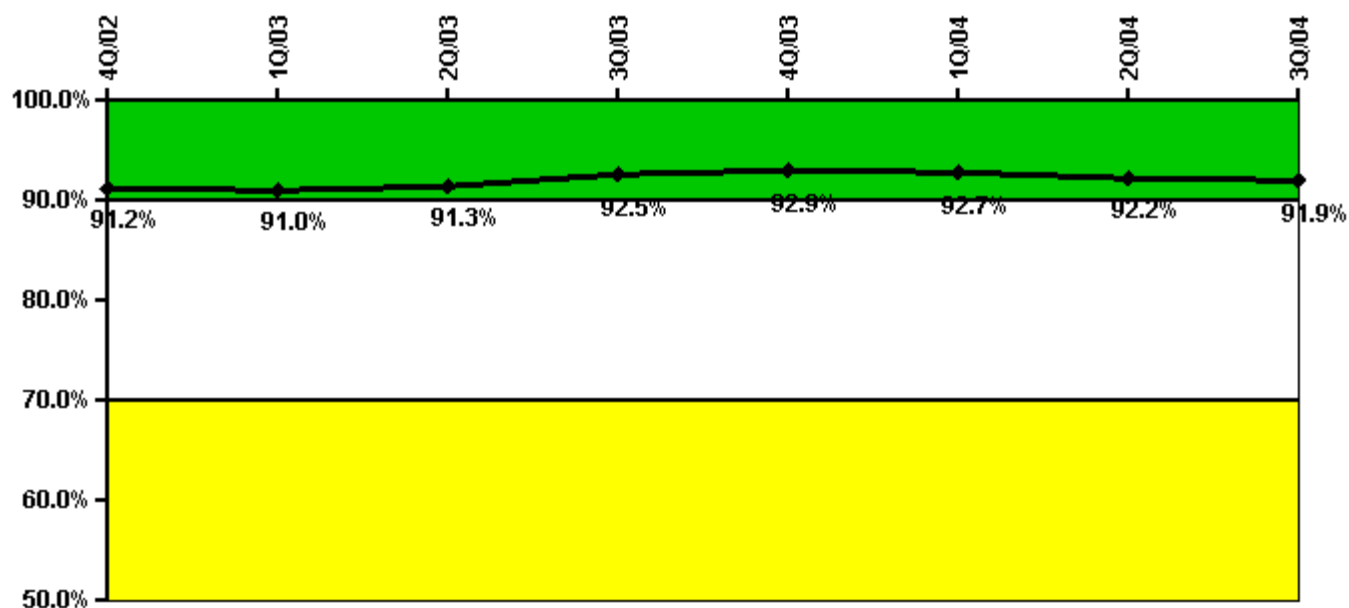
Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.089	0.138	0.201	0.268	0.082	0.037	N/A	0.157	0.066	0.102	0.124	0.087
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.4	2.0	2.7	0.8	0.4	N/A	1.6	0.7	1.0	1.2	0.9

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	0.106	0.082	0.138	0.164	0.150	0.198	0.109	0.069	0.190	0.192	0.123	0.120
Technical specification limit	10.0	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	0.8	1.4	1.6	1.5	2.0	1.1	0.7	1.9	1.9	1.2	1.2

Licensee Comments: none

Drill/Exercise Performance



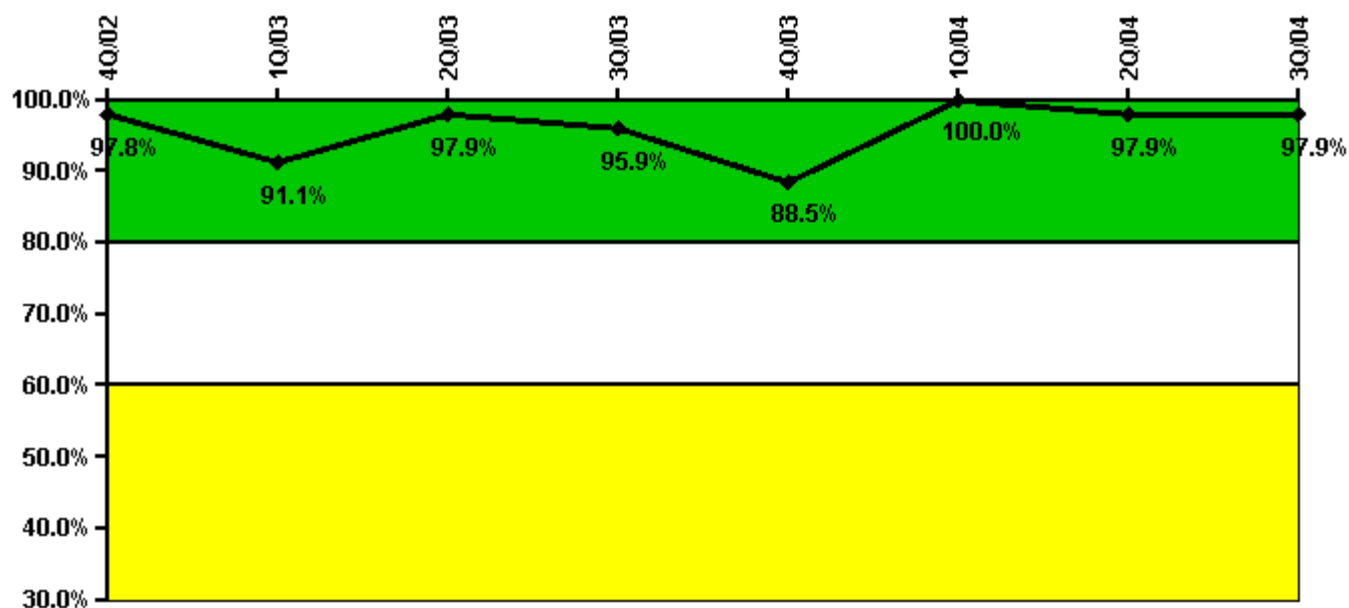
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	19.0	41.0	51.0	21.0	7.0	14.0	6.0	11.0
Total opportunities	23.0	44.0	52.0	23.0	7.0	16.0	8.0	12.0
Indicator value	91.2%	91.0%	91.3%	92.5%	92.9%	92.7%	92.2%	91.9%

Licensee Comments: none

ERO Drill Participation



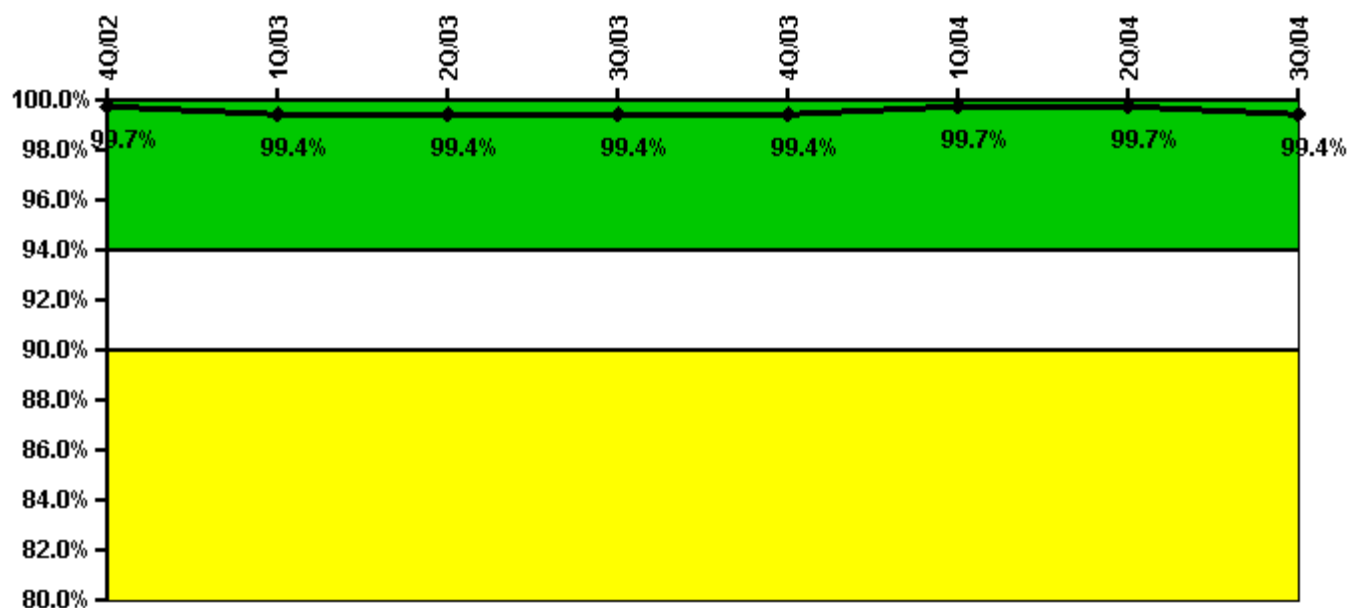
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	44.0	41.0	46.0	47.0	46.0	49.0	46.0	46.0
Total Key personnel	45.0	45.0	47.0	49.0	52.0	49.0	47.0	47.0
Indicator value	97.8%	91.1%	97.9%	95.9%	88.5%	100.0%	97.9%	97.9%

Licensee Comments: none

Alert & Notification System



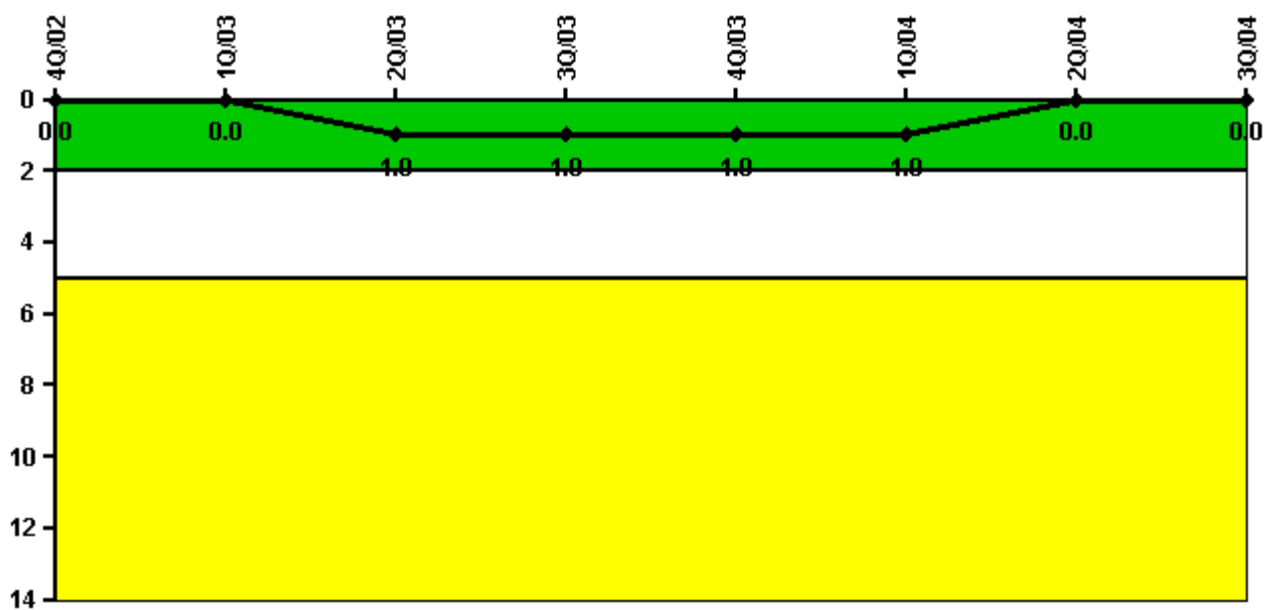
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	78	76	78	78	78	77	78	77
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	99.7%	99.4%	99.4%	99.4%	99.4%	99.7%	99.7%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

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