

Brunswick 1

2Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



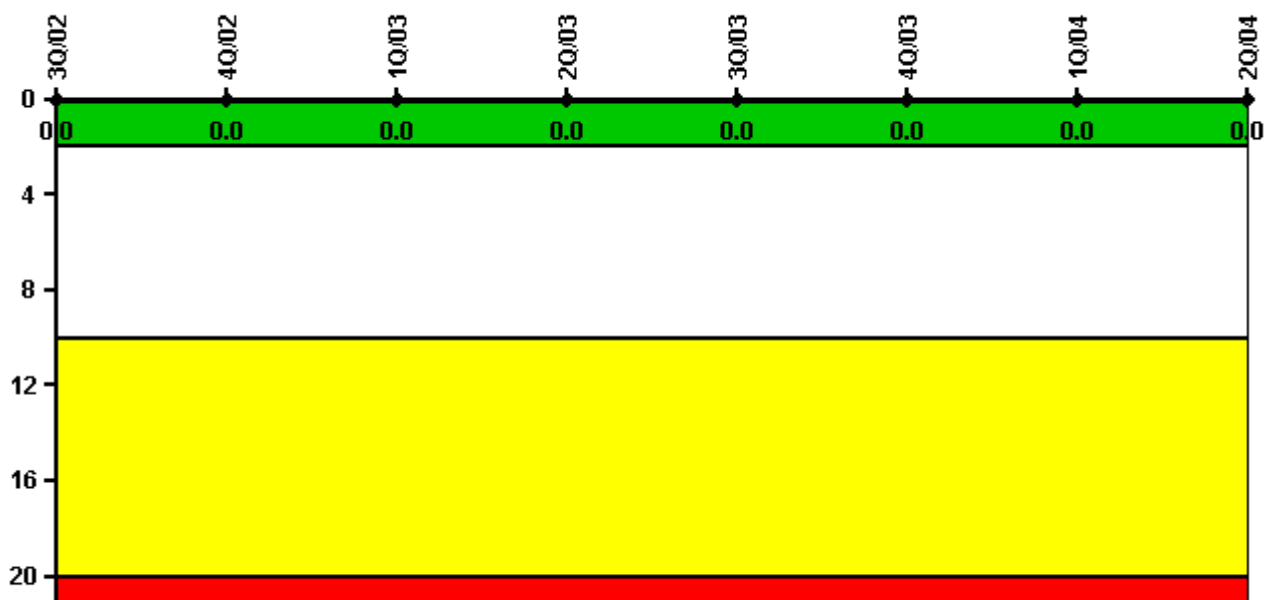
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0
Critical hours	2039.1	2209.0	2134.6	2183.0	2162.1	2209.0	1403.3	2183.0
Indicator value	0	0	0.8	0.8	0.8	0.8	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



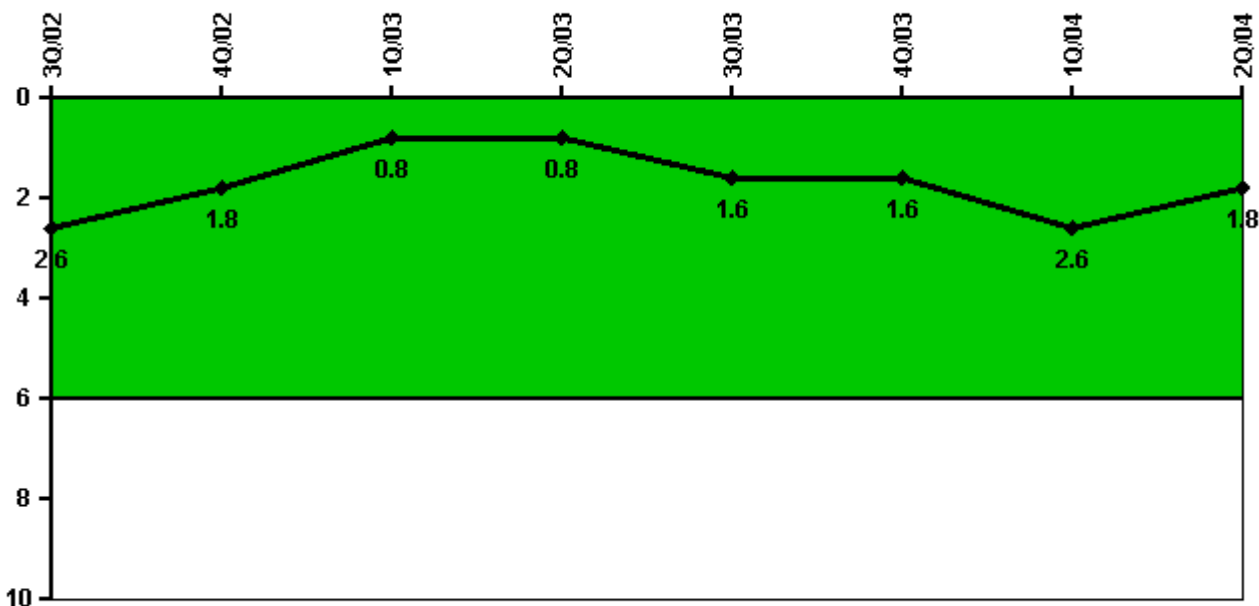
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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



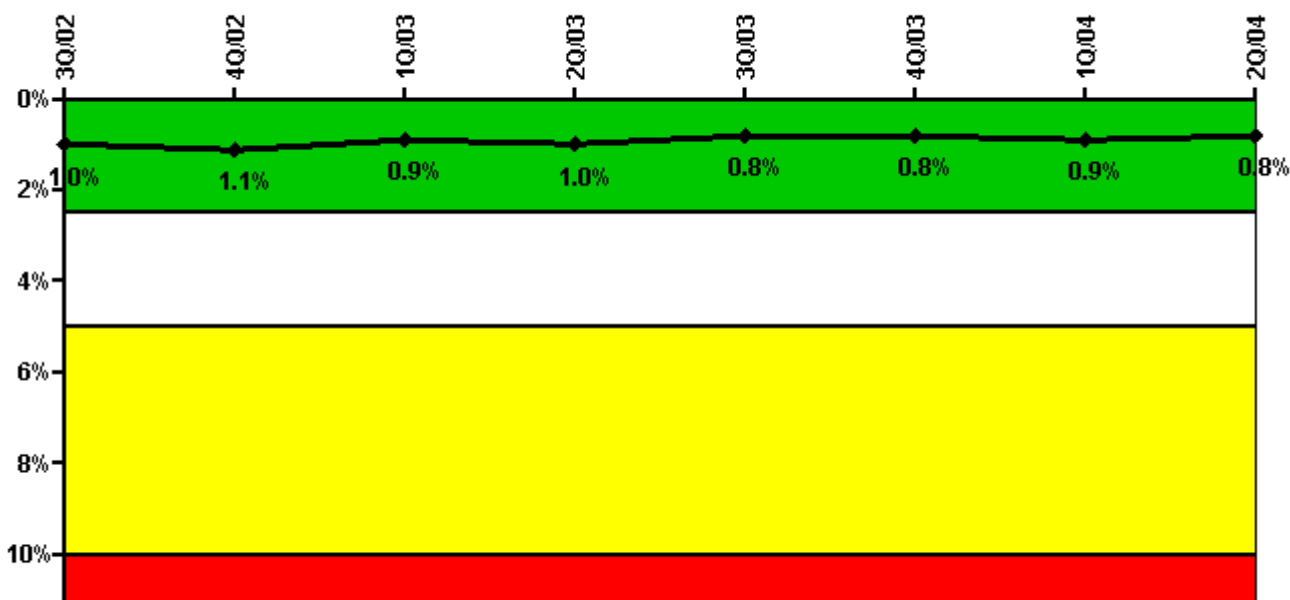
Thresholds: White > 6.0

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	1.0	1.0	0	1.0	0
Critical hours	2039.1	2209.0	2134.6	2183.0	2162.1	2209.0	1403.3	2183.0
Indicator value	2.6	1.8	0.8	0.8	1.6	1.6	2.6	1.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

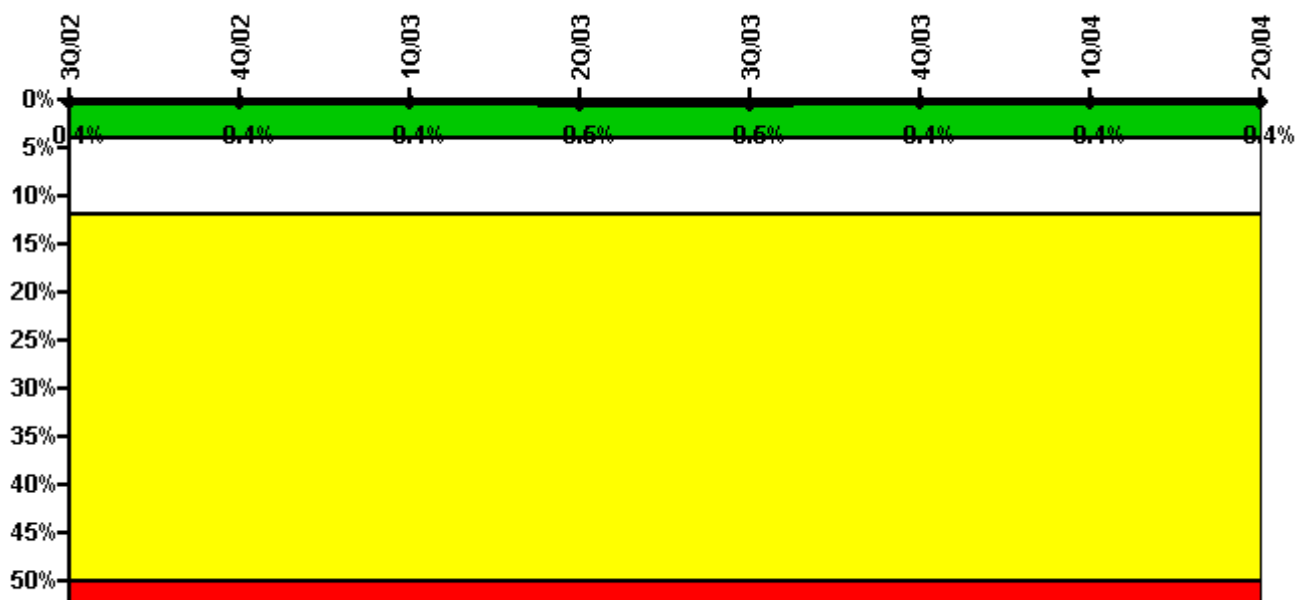
Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	1.16	46.07	2.39	43.43	5.25	1.12	19.05	1.48
Unplanned unavailable hours	0	0	0	0	0	0	1.90	0.90
Fault exposure hours	0	0	0	0	0	0	1.80	0
Effective Reset hours	0	0	0	0	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	7.16	12.62	2.33	14.54	1.08	16.61	0.65	0.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	1.0%	1.1%	0.9%	1.0%	0.8%	0.8%	0.9%	0.8%

Licensee Comments:

2Q/04: Added fault exposure hours to Train 2 DG 2 as follows: 45.5 in April 2002, and 3.0 in June 2002 to account for a newly identified faulted condition based on a recent engineering evaluation. Results are still within the green band.

2Q/02: Added fault exposure hours to Train 2 DG 2 as follows: 45.5 in April 2002, and 3.0 in June 2002 to account for a newly identified faulted condition based on a recent engineering evaluation. Results are still within the green band.

Safety System Unavailability, High Pressure Injection System (HPCI)



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

Notes

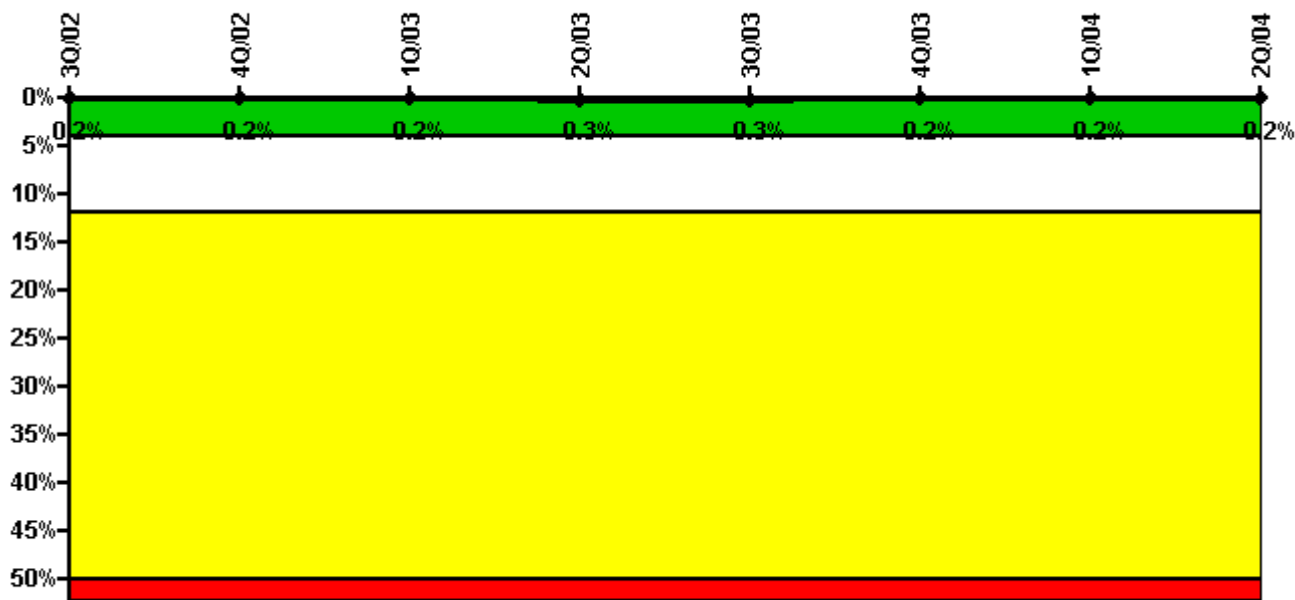
Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0.30	13.10	19.80	14.30	9.00	15.80	0.30	1.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	1.80	0	0	0.28	0.43
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2039.10	2209.00	2134.60	2183.00	2162.10	2209.00	1403.30	2183.00
Indicator value	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%	0.4%	0.4%

Licensee Comments:

2Q/04: Added fault exposure hours to Train 1 HPCI Unit 1 as follows: 1.8 in May 2003, and 0.28 in March 2004 to account for a newly identified faulted condition based on a recent engineering evaluation. Results are still within the green band.

1Q/04: Added fault exposure hours to Train 1 HPCI Unit 1 for 1.8 hours in May 2003 and 0.28 in March 2004 to account for a newly identified faulted condition based on a recent engineering evaluation. Results are still within the green band.

Safety System Unavailability, Heat Removal System (RCIC)



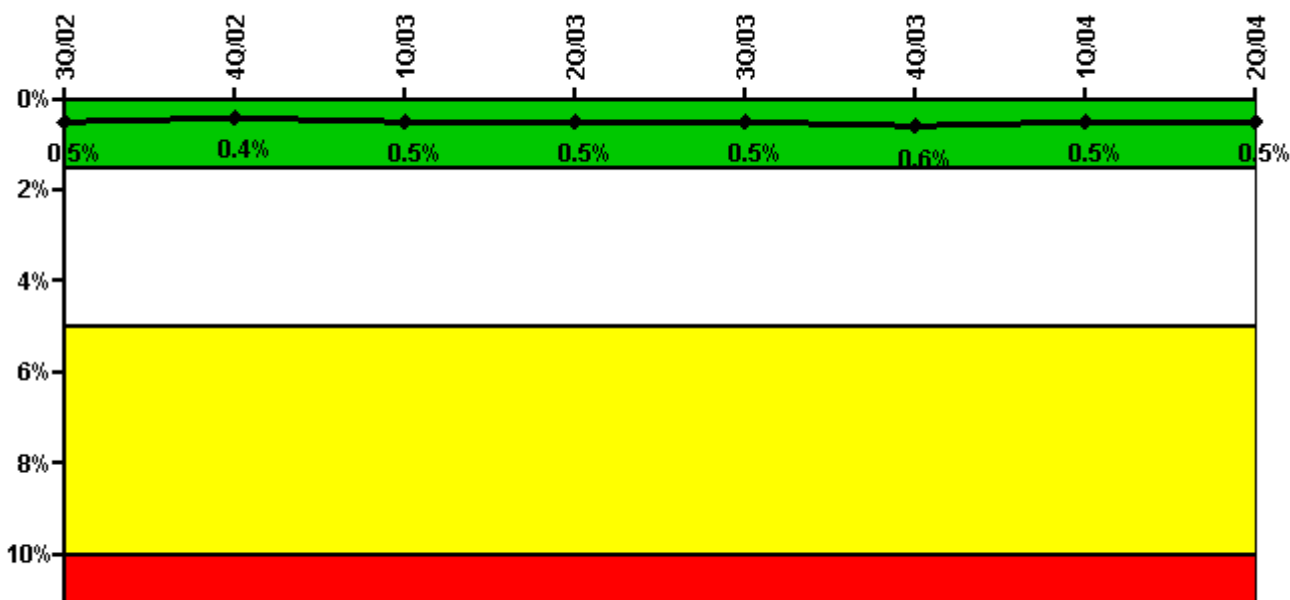
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	1.00	0.90	0.30	32.10	0.40	0.50	6.80	1.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2039.10	2209.00	2134.60	2183.00	2162.10	2209.00	1403.30	2183.00
Indicator value	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



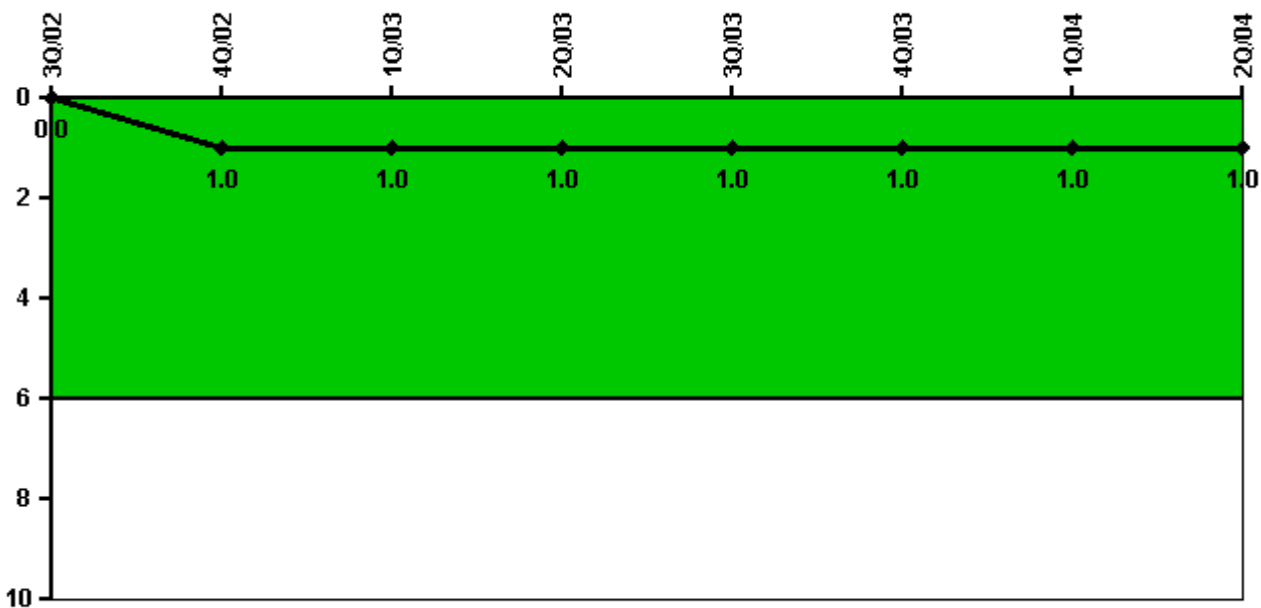
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	14.10	4.60	11.80	0	18.60	0	0	2.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0	14.80	36.10	0	14.00	68.90	0	1.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	0.5%	0.4%	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (BWR)



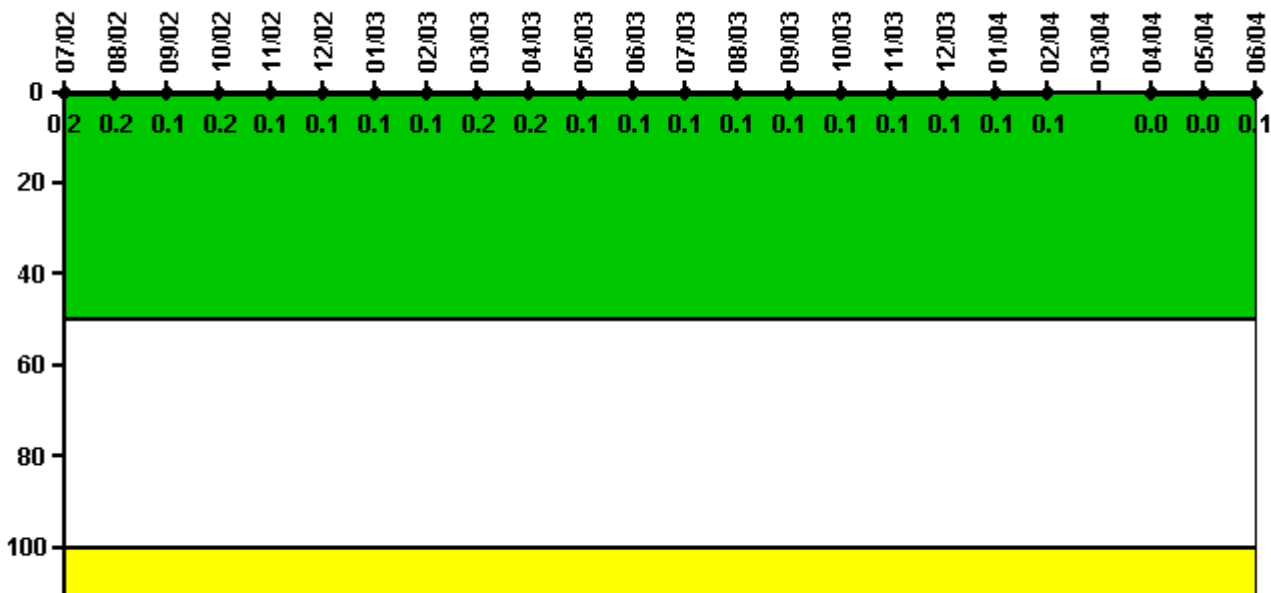
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

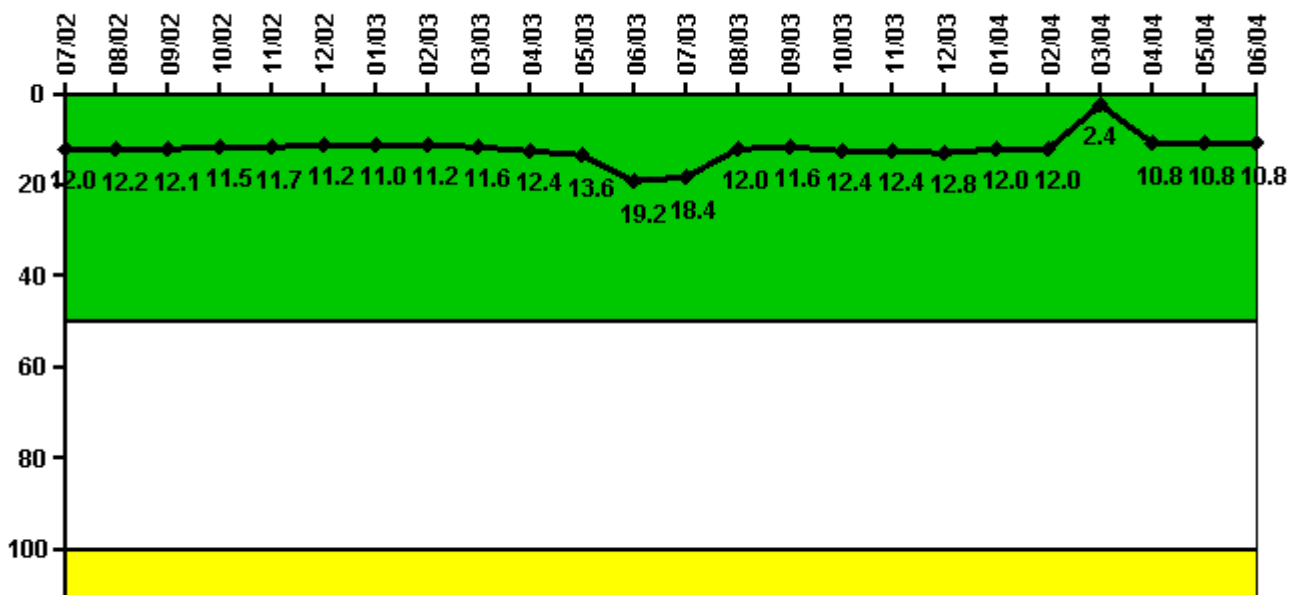
Notes

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000319	0.000315	0.000296	0.000333	0.000286	0.000284	0.000278	0.000296	0.000326	0.000349	0.000278	0.000289
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000267	0.000274	0.000282	0.000274	0.000260	0.000281	0.000267	0.000244	N/A	0.000081	0.000063	0.000174
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0	0	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

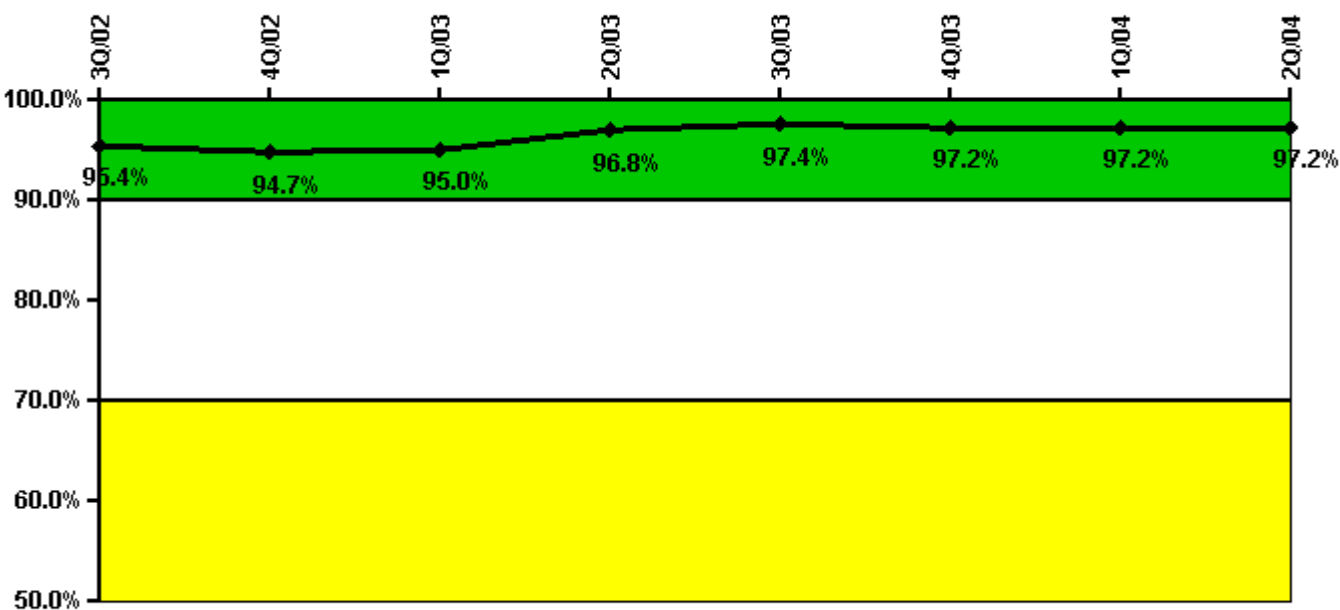
Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	3.011	3.047	3.016	2.885	2.935	2.789	2.760	2.792	2.894	3.100	3.400	4.800
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	12.0	12.2	12.1	11.5	11.7	11.2	11.0	11.2	11.6	12.4	13.6	19.2

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	4.600	3.000	2.900	3.100	3.100	3.200	3.000	3.000	0.600	2.700	2.700	2.700
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	18.4	12.0	11.6	12.4	12.4	12.8	12.0	12.0	2.4	10.8	10.8	10.8

Licensee Comments: none

Drill/Exercise Performance



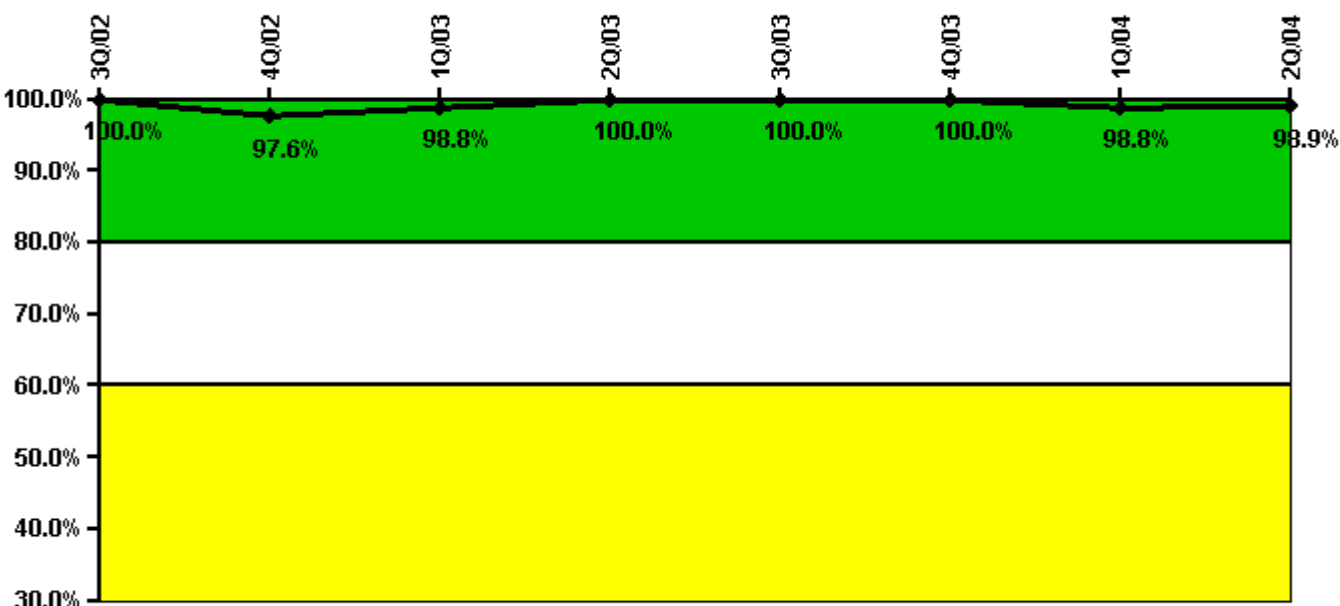
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	46.0	21.0	8.0	51.0	36.0	10.0	0	0
Total opportunities	48.0	22.0	8.0	52.0	37.0	10.0	0	0
Indicator value	95.4%	94.7%	95.0%	96.8%	97.4%	97.2%	97.2%	97.2%

Licensee Comments: none

ERO Drill Participation



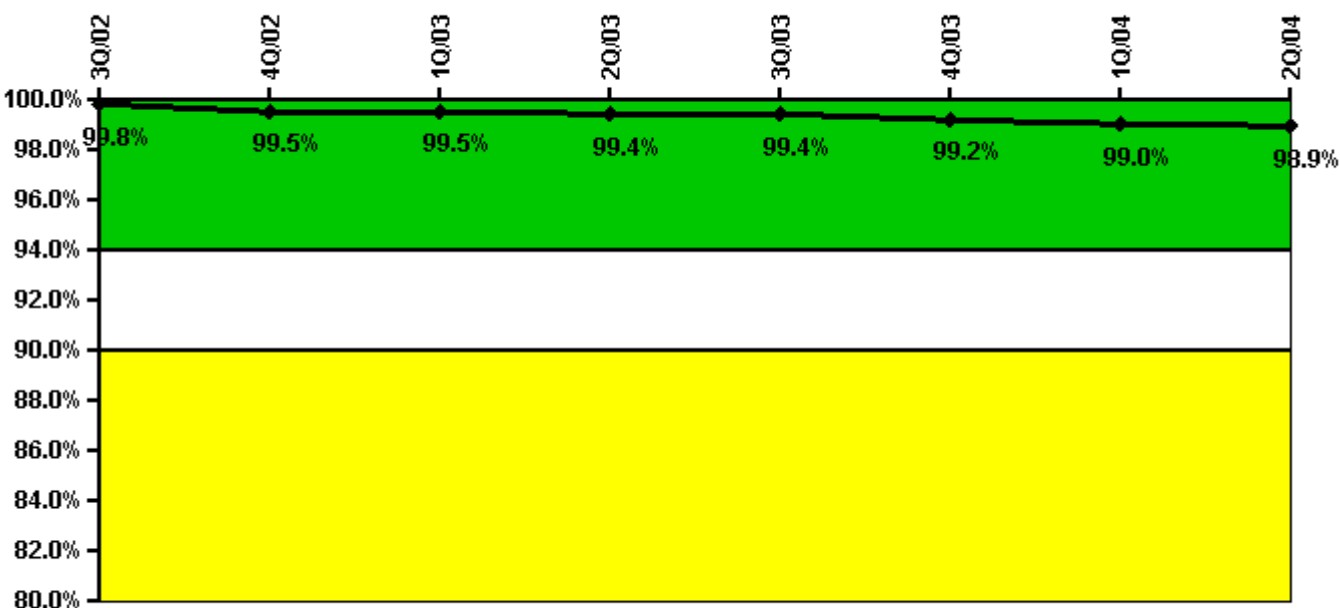
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	83.0	81.0	81.0	82.0	93.0	88.0	83.0	86.0
Total Key personnel	83.0	83.0	82.0	82.0	93.0	88.0	84.0	87.0
Indicator value	100.0%	97.6%	98.8%	100.0%	100.0%	100.0%	98.8%	98.9%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	252	319	252	286	252	317	285	356
Total sirens-tests	252	324	252	288	252	324	288	360
Indicator value	99.8%	99.5%	99.5%	99.4%	99.4%	99.2%	99.0%	98.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



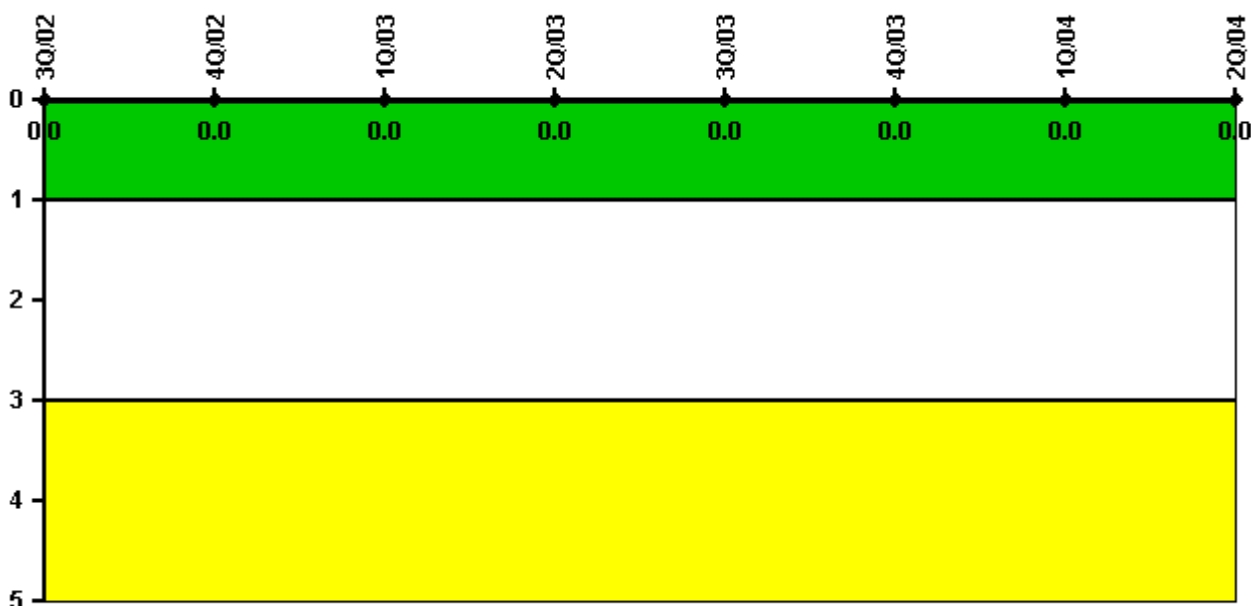
Thresholds: White > 2.0 Yellow > 5.0

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	1	0
Indicator value	1	1	0	0	0	0	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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