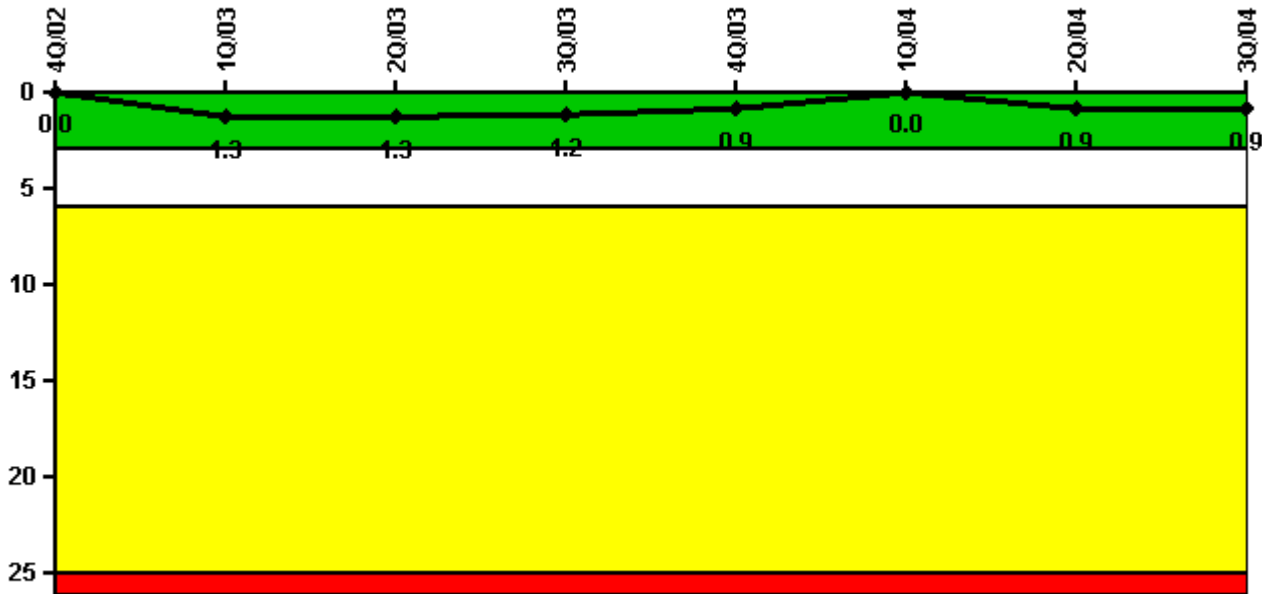


North Anna 2

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	0	0	0	1.0	0
Critical hours	0	1434.3	2180.8	2208.0	2209.0	2184.0	1494.4	2208.0
Indicator value	0	1.3	1.3	1.2	0.9	0	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



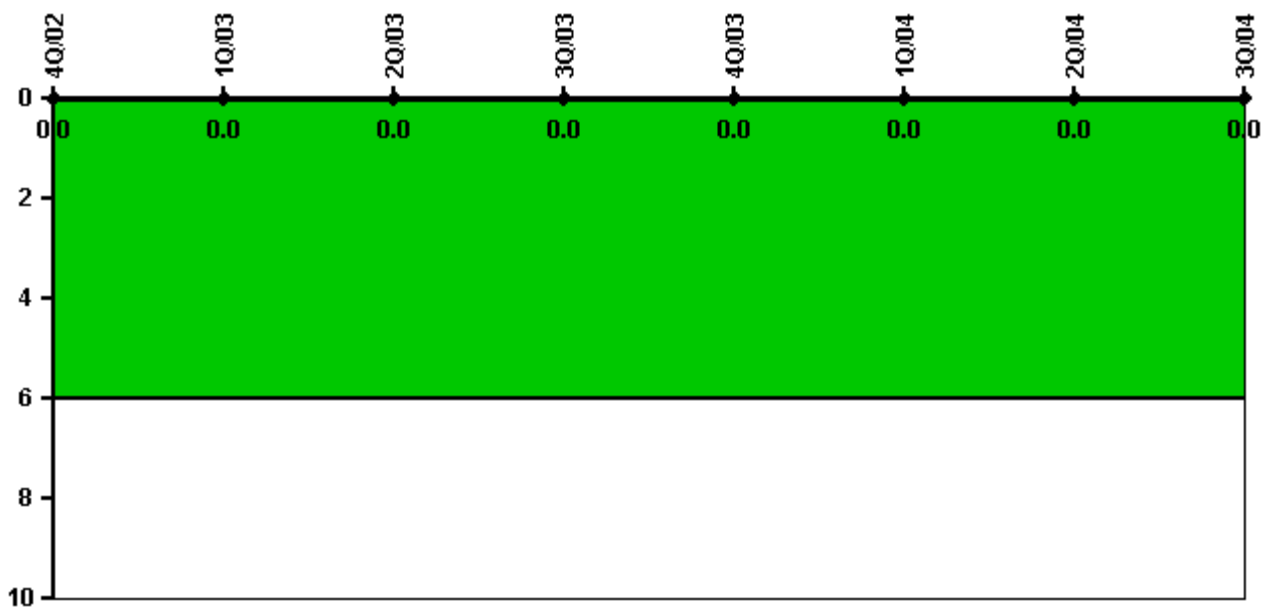
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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



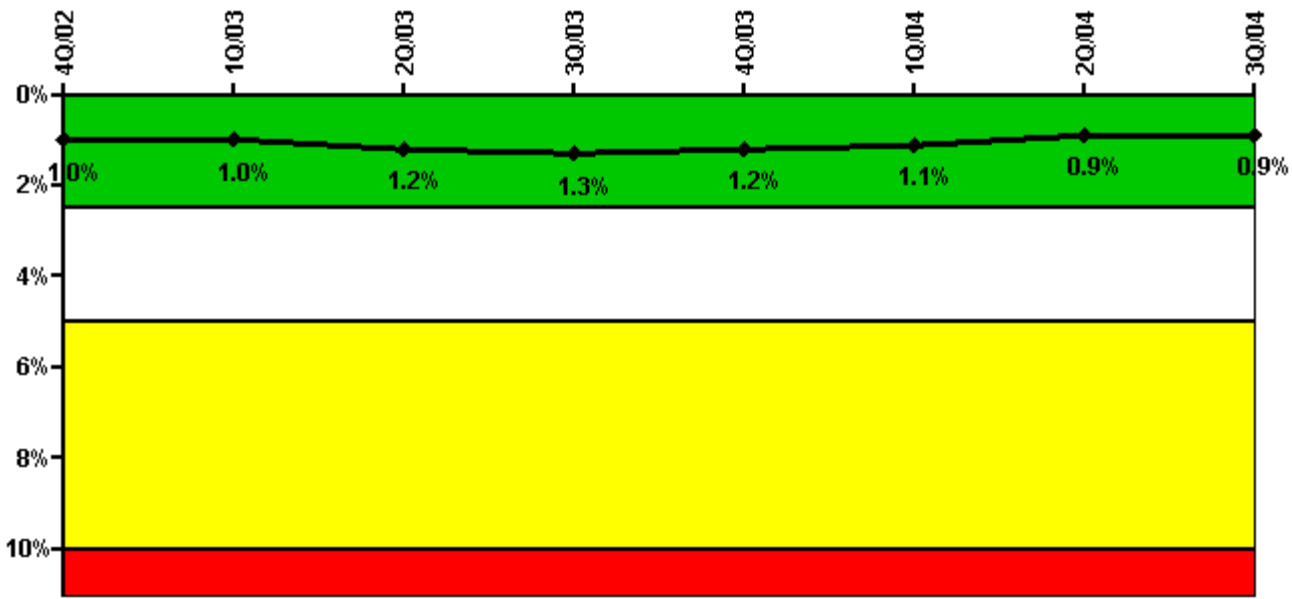
Thresholds: White > 6.0

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	0
Critical hours	0	1434.3	2180.8	2208.0	2209.0	2184.0	1494.4	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



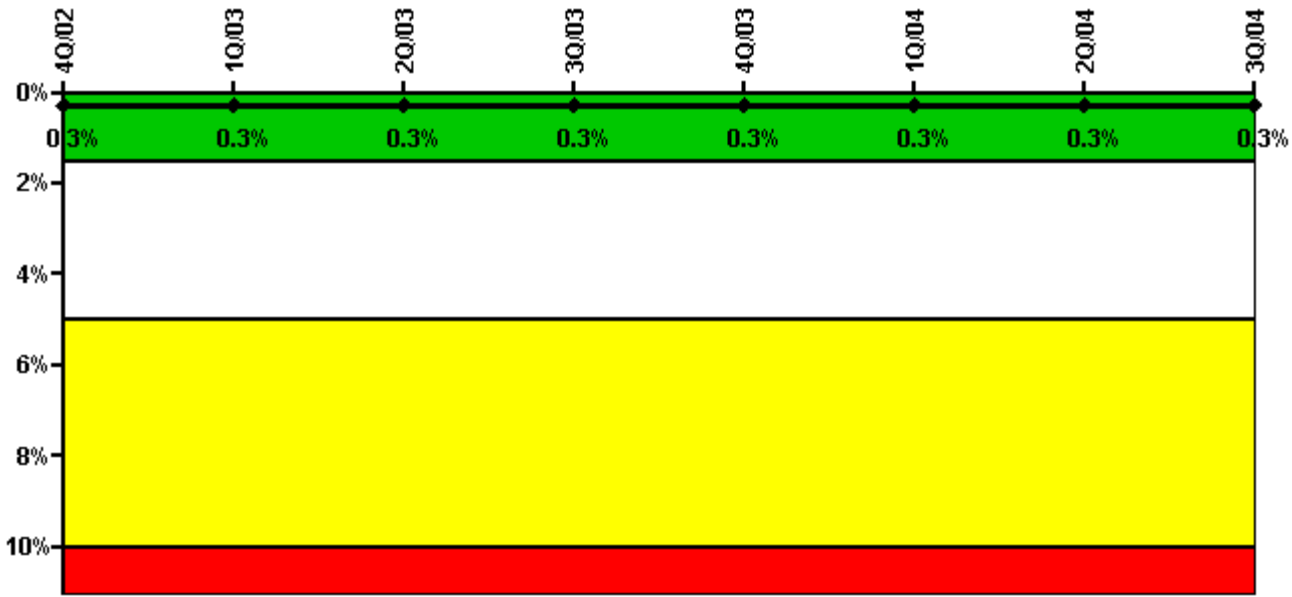
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	9.13	36.01	30.54	9.80	10.16	5.49	7.17
Unplanned unavailable hours	0	0	0	14.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	861.00	1819.64	2183.00	2208.00	2209.00	2184.00	1874.18	2208.00
Train 2								
Planned unavailable hours	0	5.74	60.32	34.65	9.91	8.81	6.96	18.49
Unplanned unavailable hours	0	0	0	10.73	0	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	1348.00	1819.64	2183.00	2208.00	2209.00	2184.00	1874.18	2208.00
Indicator value	1.0%	1.0%	1.2%	1.3%	1.2%	1.1%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



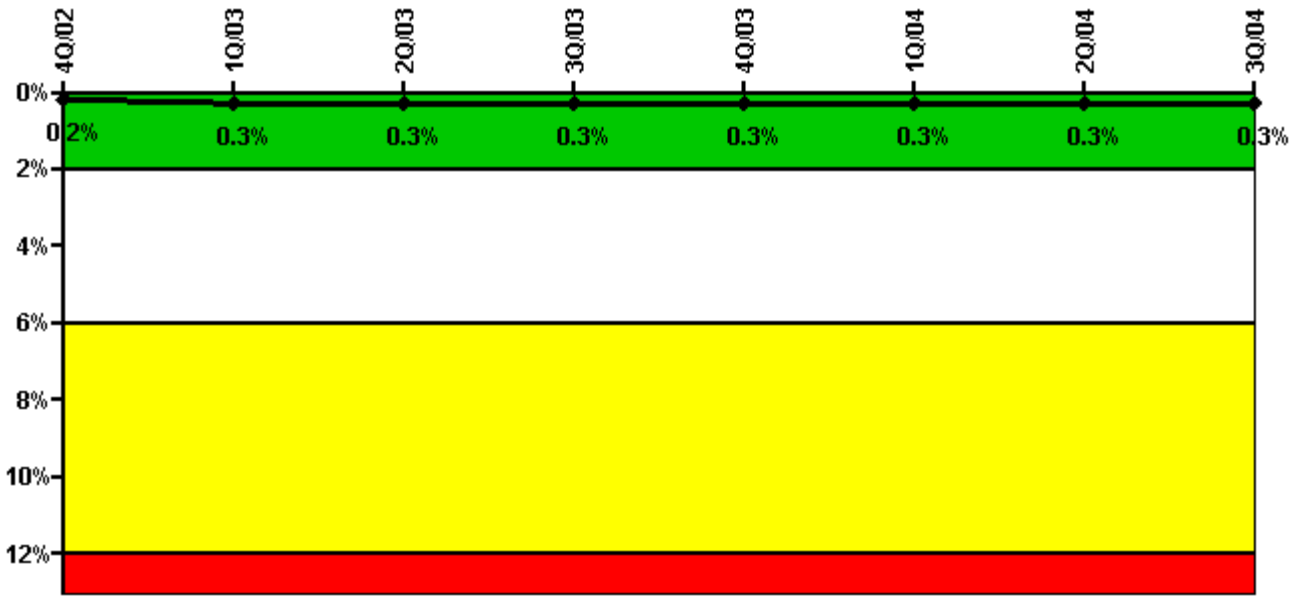
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	3.22	2.40	6.17	7.50	3.10	4.44	4.32
Unplanned unavailable hours	0	8.92	0	0.55	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	1474.13	2183.00	2208.00	2209.00	2184.00	1557.59	2208.00
Train 2								
Planned unavailable hours	0	2.92	7.66	2.50	2.30	4.36	4.32	2.95
Unplanned unavailable hours	0	8.92	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	1474.13	2183.00	2208.00	2209.00	2184.00	1557.59	2208.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



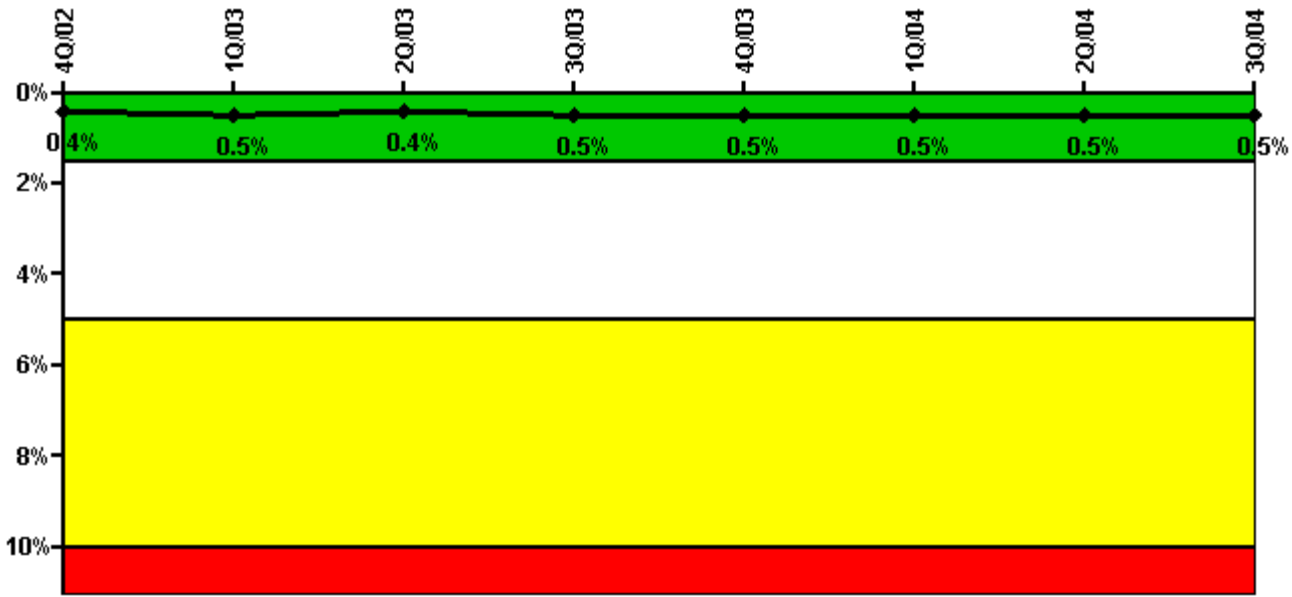
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	3.50	2.78	6.00	4.94	11.95	2.42	3.85
Unplanned unavailable hours	0	0	0	0	0	7.42	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	1468.98	2183.00	2208.00	2209.00	2184.00	1549.82	2208.00
Train 2								
Planned unavailable hours	0	1.43	11.37	3.87	12.90	11.76	0.63	5.93
Unplanned unavailable hours	0	0.25	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	1468.98	2183.00	2208.00	2209.00	2184.00	1549.82	2208.00
Train 3								
Planned unavailable hours	0	7.61	1.43	5.12	5.20	13.81	3.22	3.23
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	0	1468.98	2183.00	2208.00	2209.00	2184.00	1549.82	2208.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



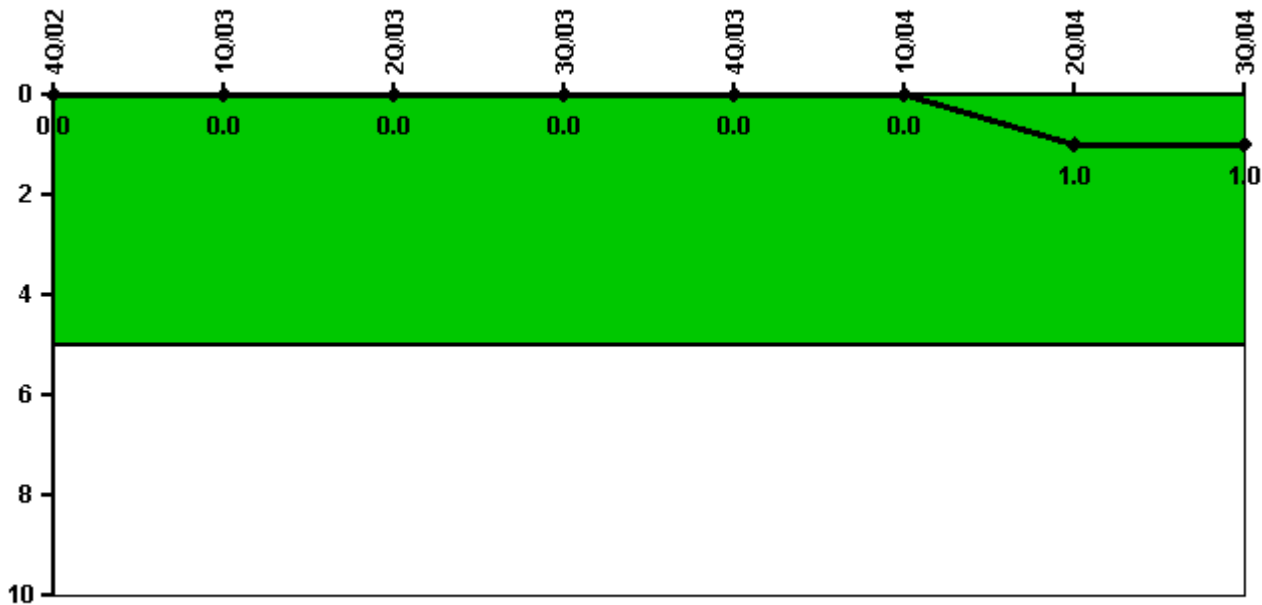
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	3.36	5.02	42.66	7.19	47.88	3.85	5.83
Unplanned unavailable hours	0	0	28.90	0	0	1.32	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	1479.28	2183.00	2208.00	2209.00	2184.00	1557.59	2208.00
Train 2								
Planned unavailable hours	0	4.13	8.40	7.14	9.02	55.41	7.30	8.70
Unplanned unavailable hours	0	0	0	0	8.26	2.23	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	1479.28	2183.00	2208.00	2209.00	2184.00	1557.59	2208.00
Train 3								
Planned unavailable hours	0	0	0	6.52	0	0	2.25	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	0	1798.81	2183.00	2208.00	2209.00	2184.00	1876.15	2208.00
Train 4								
Planned unavailable hours	0	0	0	11.33	0	0	1.52	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	0	1798.81	2183.00	2208.00	2209.00	2184.00	1876.15	2208.00
Indicator value	0.4%	0.5%	0.4%	0.5%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



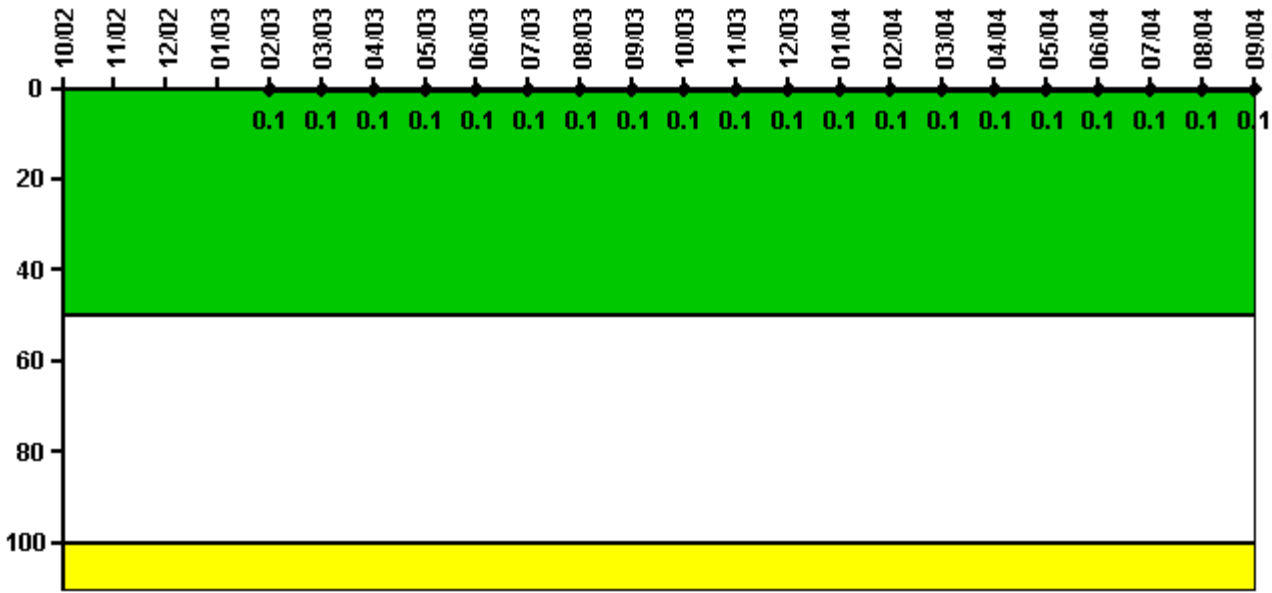
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

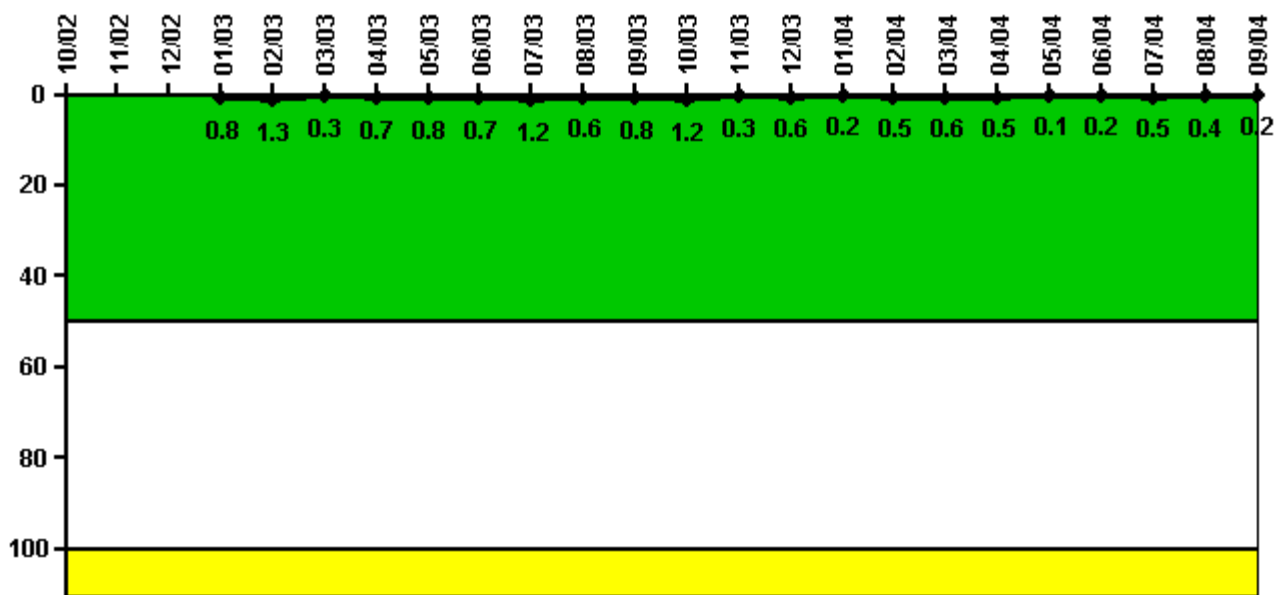
Notes

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	N/A	N/A	N/A	N/A	0.000753	0.000682	0.000765	0.000792	0.000803	0.000868	0.000851	0.000887
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	N/A	N/A	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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	0.000935	0.000996	0.000984	0.001020	0.001020	0.001040	0.001020	0.001030	0.000583	0.000506	0.000581	0.000523
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	0.1	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



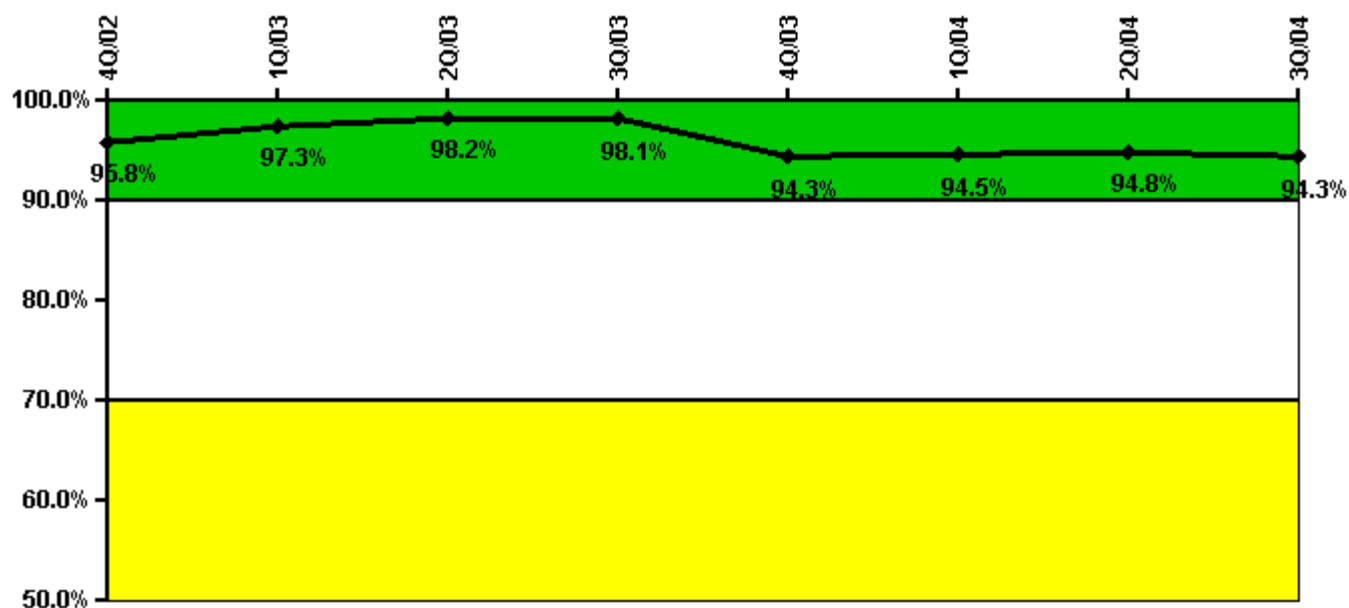
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	N/A	N/A	N/A	0.080	0.134	0.031	0.068	0.079	0.072	0.115	0.064	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	N/A	N/A	N/A	0.8	1.3	0.3	0.7	0.8	0.7	1.2	0.6	0.8
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	0.124	0.028	0.062	0.024	0.051	0.055	0.051	0.006	0.016	0.054	0.038	0.023
Technical specification limit	10.0	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	0.3	0.6	0.2	0.5	0.6	0.5	0.1	0.2	0.5	0.4	0.2

Licensee Comments: none

Drill/Exercise Performance



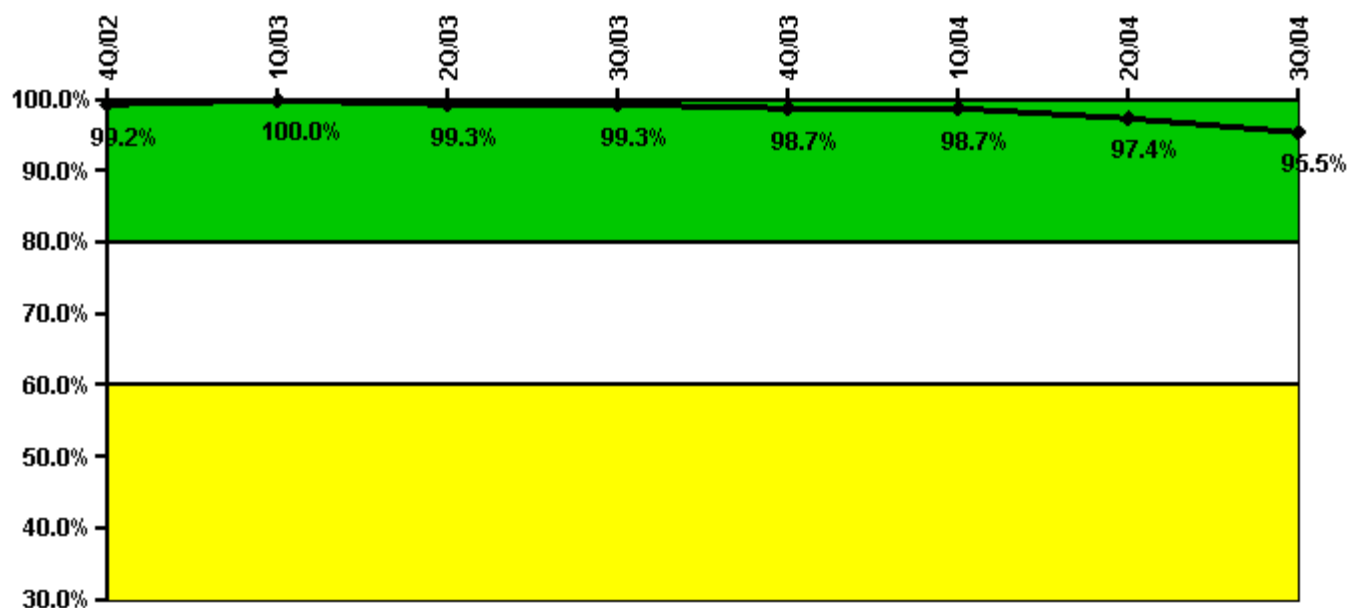
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	10.0	30.0	108.0	3.0	25.0	31.0	11.0	13.0
Total opportunities	10.0	32.0	108.0	3.0	35.0	32.0	11.0	14.0
Indicator value	95.8%	97.3%	98.2%	98.1%	94.3%	94.5%	94.8%	94.3%

Licensee Comments: none

ERO Drill Participation



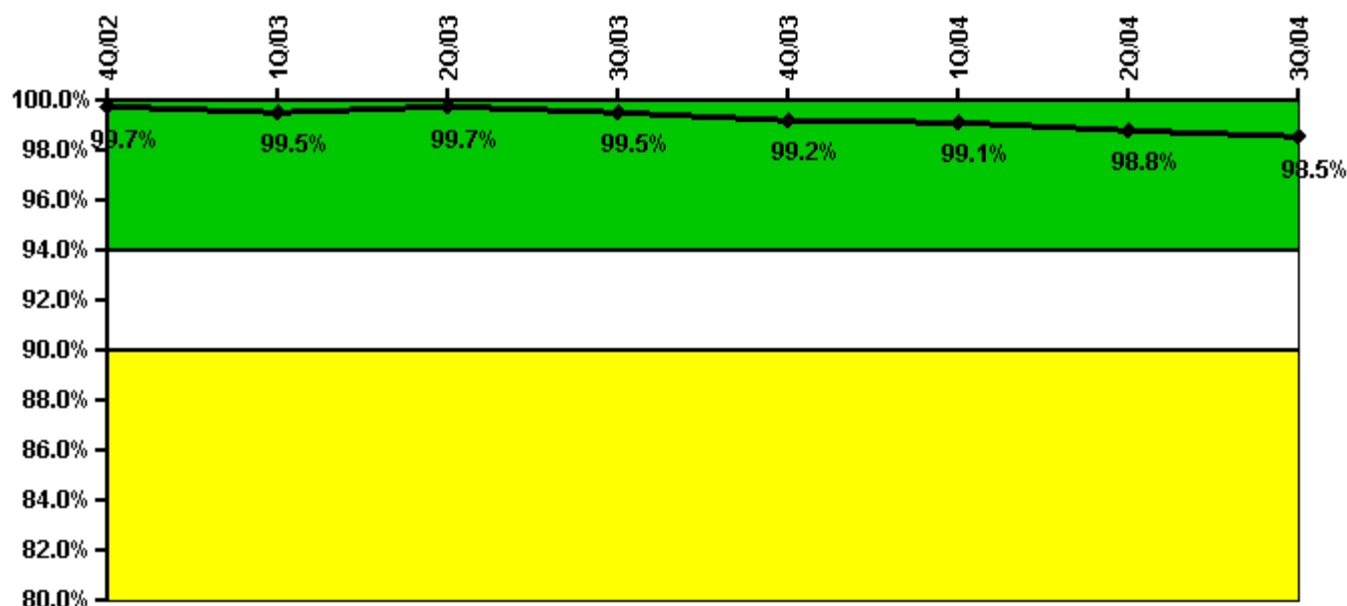
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	127.0	124.0	151.0	152.0	150.0	150.0	147.0	149.0
Total Key personnel	128.0	124.0	152.0	153.0	152.0	152.0	151.0	156.0
Indicator value	99.2%	100.0%	99.3%	99.3%	98.7%	98.7%	97.4%	95.5%

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	434	431	436	436	435	437	436	450
Total sirens-tests	434	434	436	441	441	441	443	460
Indicator value	99.7%	99.5%	99.7%	99.5%	99.2%	99.1%	98.8%	98.5%

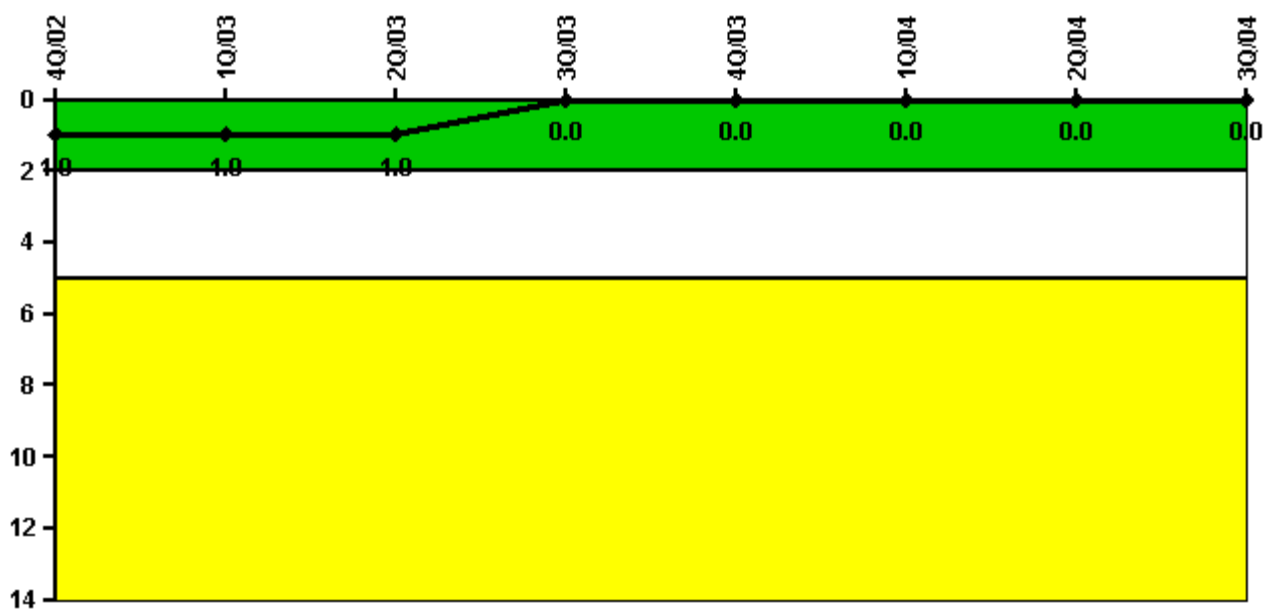
Licensee Comments:

3Q/04: Siren data revised after it was determined that siren # 45 has been inoperable since Feb '04.

2Q/04: Siren data revised after it was determined that siren # 45 has been inoperable since Feb '04.

1Q/04: Siren data revised after it was determined that siren # 45 has been inoperable since Feb '04.

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	1	1	1	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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.