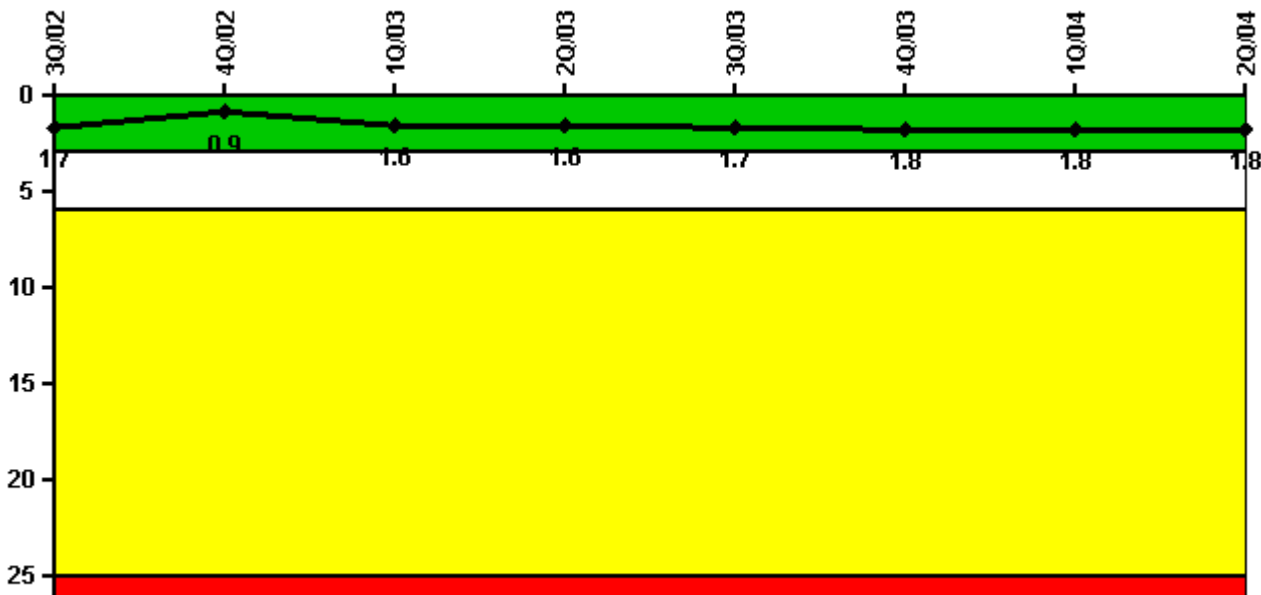


Watts Bar 1

2Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	1.0	0	1.0	0	1.0	0	1.0	0
Critical hours	2185.5	2209.0	2036.0	2183.0	1626.5	1752.4	2148.3	2183.0
Indicator value	1.7	0.9	1.6	1.6	1.7	1.8	1.8	1.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



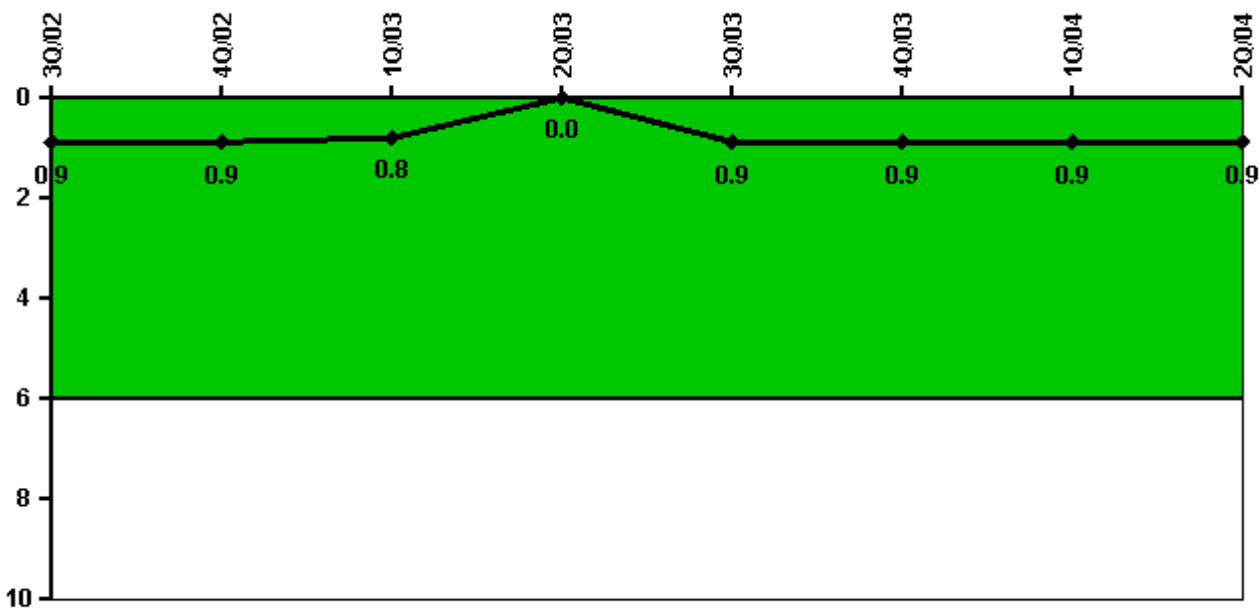
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



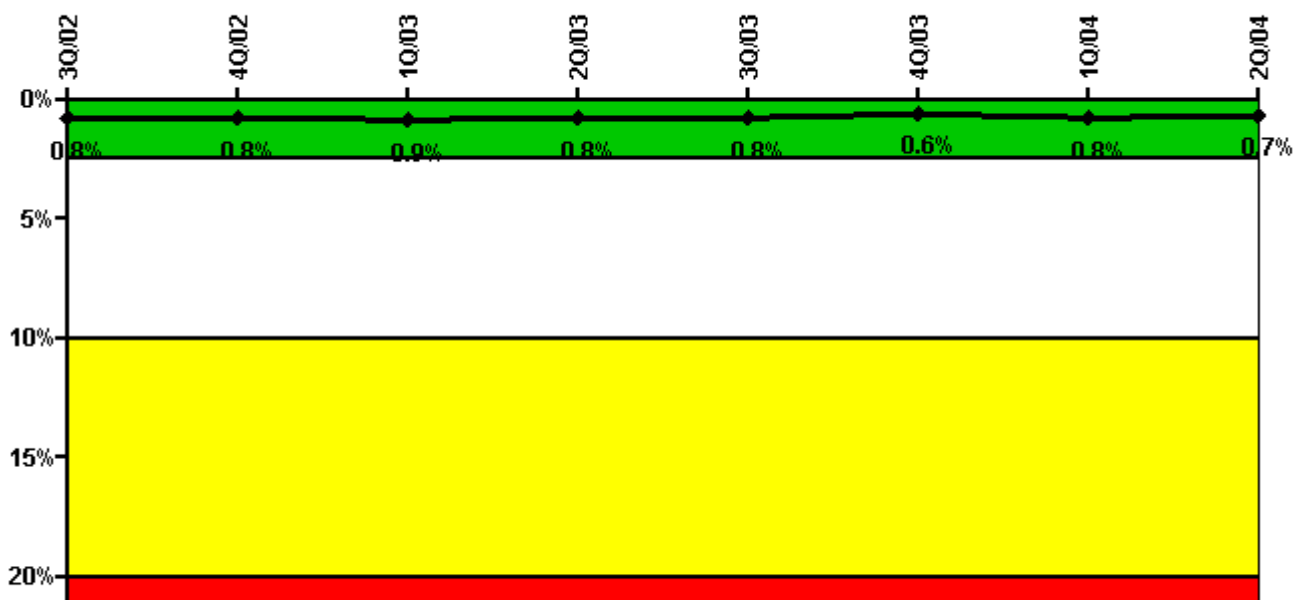
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2185.5	2209.0	2036.0	2183.0	1626.5	1752.4	2148.3	2183.0
Indicator value	0.9	0.9	0.8	0	0.9	0.9	0.9	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



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

Notes

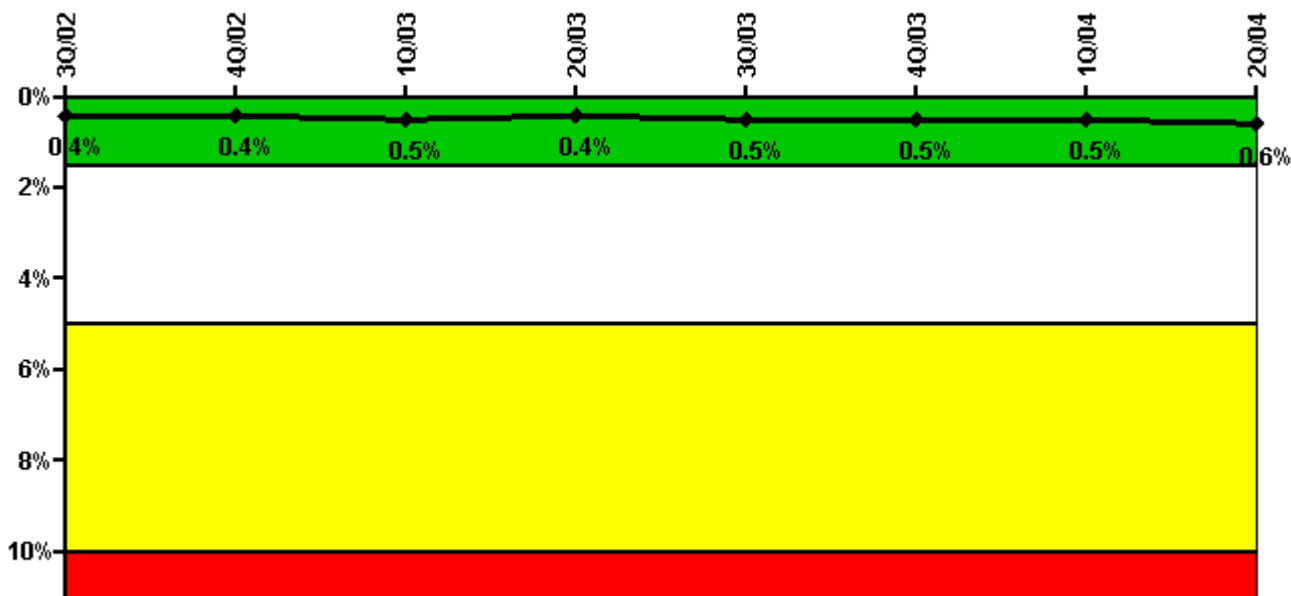
Safety System Unavailability, Emergency AC Power, >2EDG	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	1.05	7.75	37.72	27.43	7.38	0.99	47.98	3.42
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2143.25	1987.25	2184.00	2183.00
Train 2								
Planned unavailable hours	1.16	0.67	46.23	1.60	5.87	11.20	146.23	2.31
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	1740.92	2176.87	2184.00	2183.00
Train 3								
Planned unavailable hours	1.23	1.35	54.45	2.20	1.90	1.11	32.32	3.39
Unplanned unavailable hours	0	0	21.93	0	12.10	0.58	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2143.25	1987.25	2184.00	2183.00
Train 4								
Planned unavailable hours	2.48	1.00	80.63	0.68	0.97	0.65	30.73	1.12
Unplanned unavailable hours	0	0	0	0	0	0	0	26.88
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	1740.92	2176.87	2184.00	2183.00
Indicator value	0.8%	0.8%	0.9%	0.8%	0.8%	0.6%	0.8%	0.7%

Licensor Comments:

Required hours	2208.00	2209.00	2160.00	2183.00	1666.30	1806.20	2184.00	2183.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.6%	0.6%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



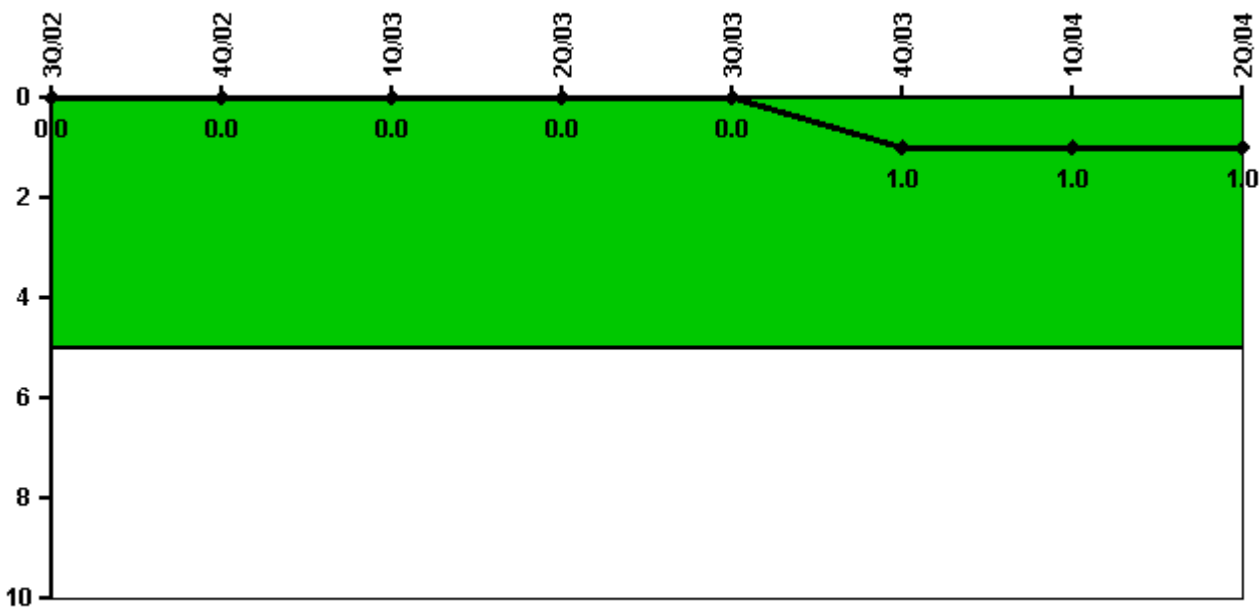
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	3.43	5.67	50.35	7.32	14.48	4.90	7.65	29.16
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	1926.30	2208.00	2184.00	2183.00
Train 2								
Planned unavailable hours	8.32	5.90	4.14	21.00	5.97	4.60	7.90	7.06
Unplanned unavailable hours	0	0	0	0	0.22	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	1926.30	2208.00	2184.00	2183.00
Indicator value	0.4%	0.4%	0.5%	0.4%	0.5%	0.5%	0.5%	0.6%

Licensee Comments: none

Safety System Functional Failures (PWR)



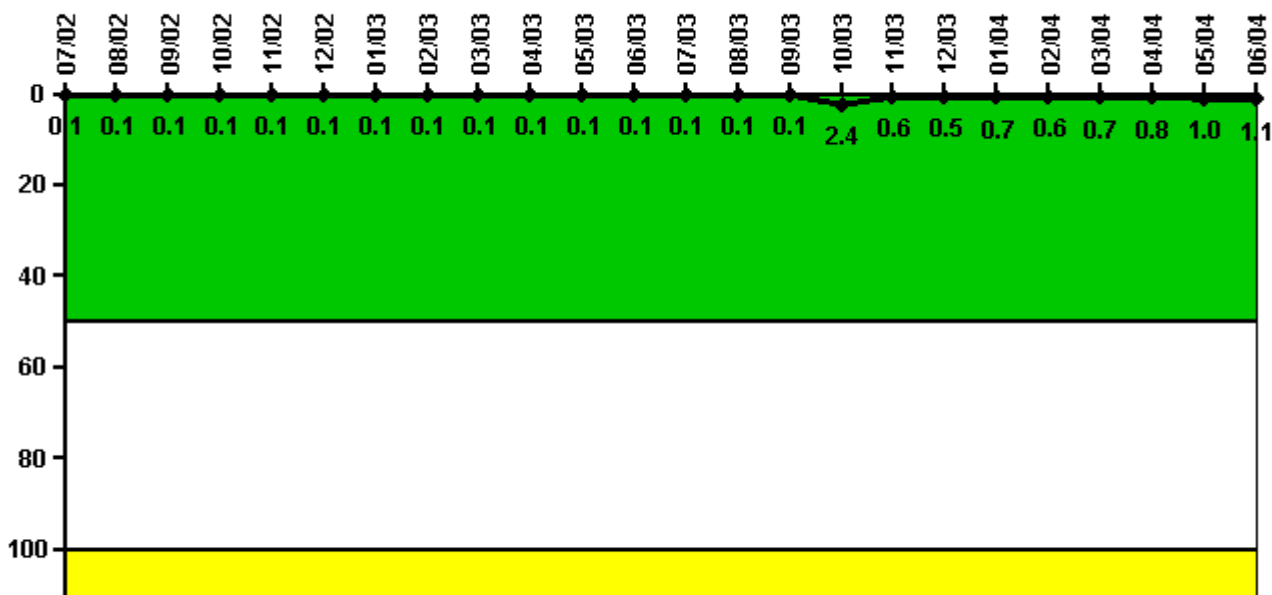
Thresholds: White > 5.0

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

Licensee Comments: none

Reactor Coolant System Activity



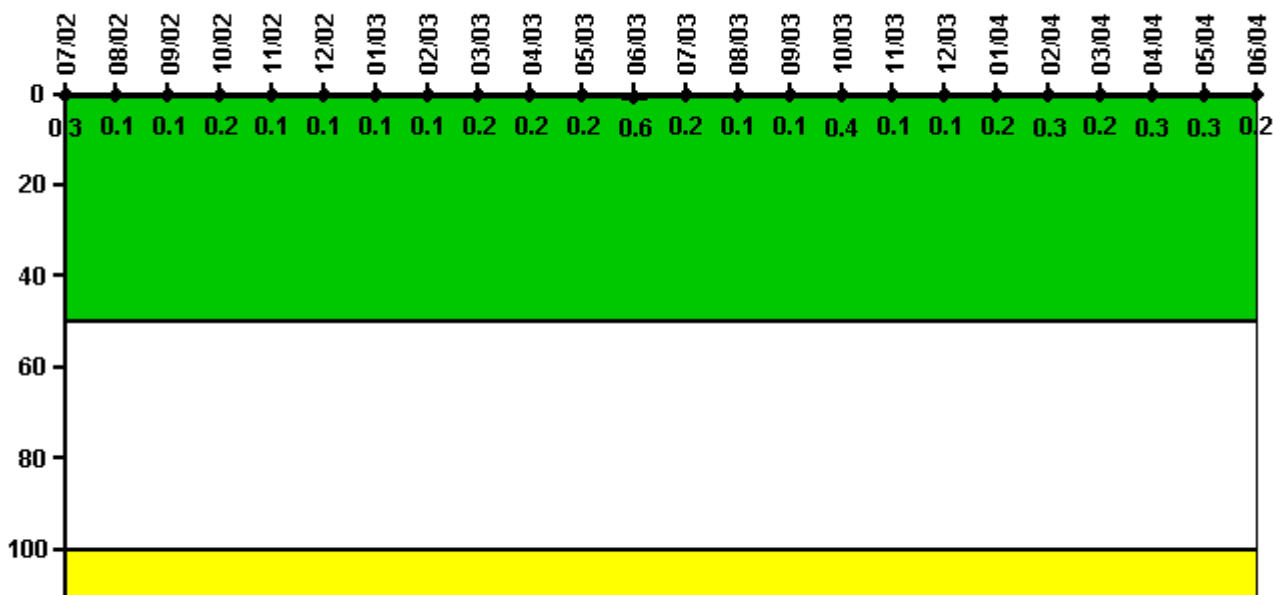
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000148	0.000149	0.000150	0.000151	0.000156	0.000163	0.000162	0.000193	0.000166	0.000177	0.000167	0.000170
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000175	0.000179	0.000242	0.006284	0.001529	0.001340	0.001790	0.001710	0.001880	0.002067	0.002710	0.002923
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.1	0.1	0.1	2.4	0.6	0.5	0.7	0.6	0.7	0.8	1.0	1.1

Licensee Comments: none

Reactor Coolant System Leakage



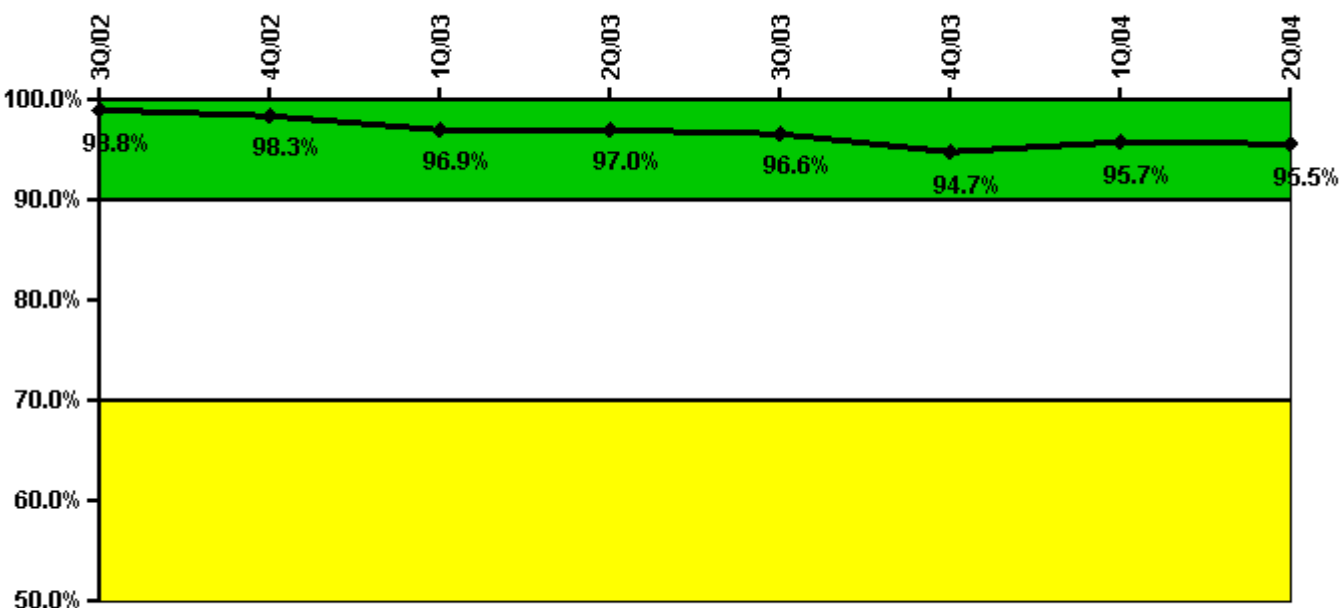
Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.020	0.020	0.020	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	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.6
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	0.020	0.010	0.010	0.040	0.010	0.010	0.020	0.030	0.020	0.030	0.030	0.020
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	0.2	0.1	0.1	0.4	0.1	0.1	0.2	0.3	0.2	0.3	0.3	0.2

Licensee Comments: none

Drill/Exercise Performance



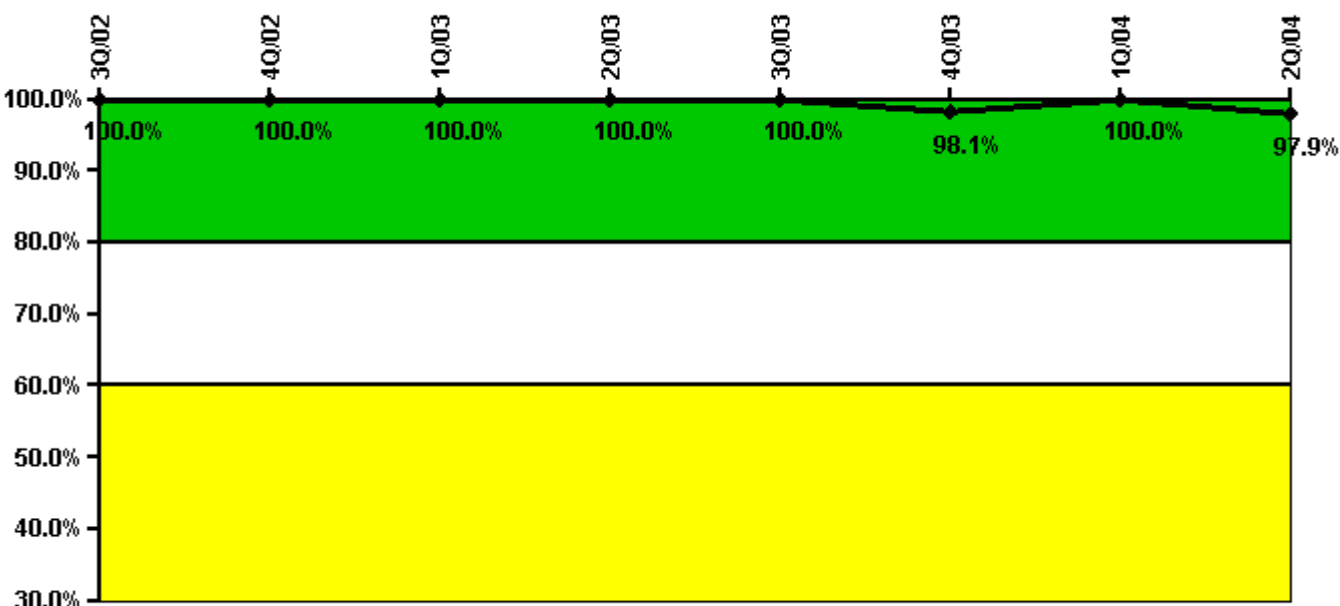
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	8.0	45.0	8.0	6.0	47.0	23.0	34.0	0
Total opportunities	8.0	46.0	10.0	6.0	49.0	26.0	34.0	0
Indicator value	98.8%	98.3%	96.9%	97.0%	96.6%	94.7%	95.7%	95.5%

Licensee Comments: none

ERO Drill Participation



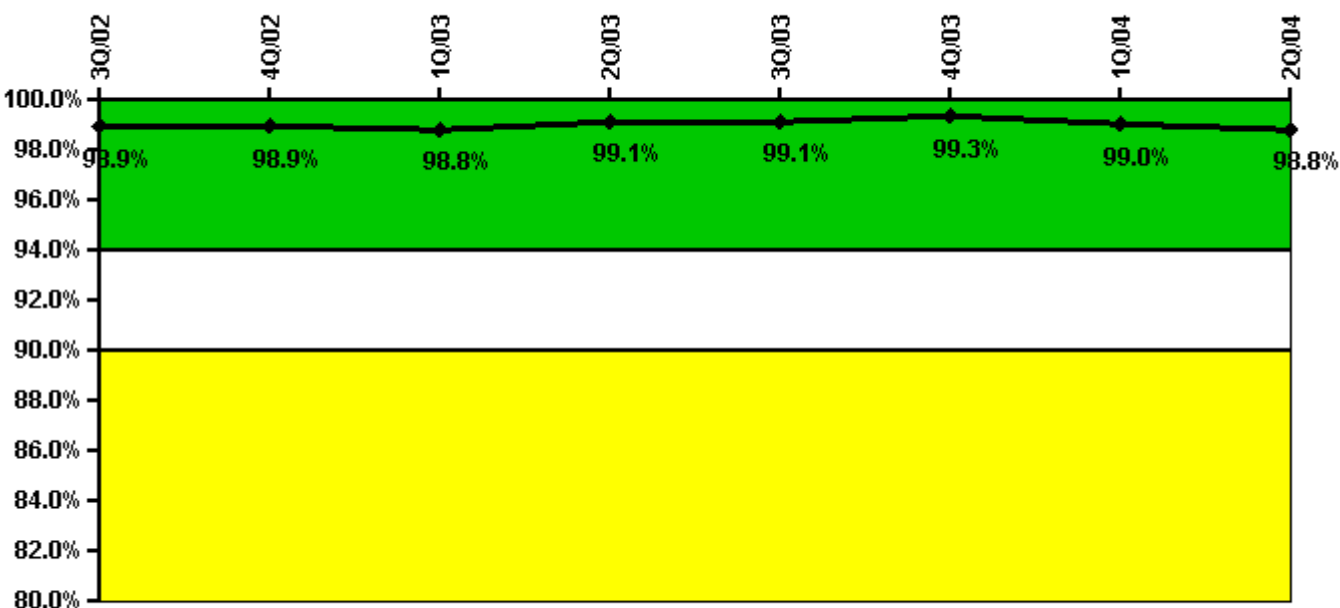
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	54.0	56.0	56.0	57.0	55.0	52.0	50.0	47.0
Total Key personnel	54.0	56.0	56.0	57.0	55.0	53.0	50.0	48.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	98.1%	100.0%	97.9%

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	785	882	686	885	786	886	677	976
Total sirens-tests	792	891	693	891	792	891	693	990
Indicator value	98.9%	98.9%	98.8%	99.1%	99.1%	99.3%	99.0%	98.8%

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