

Surry 2

1Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



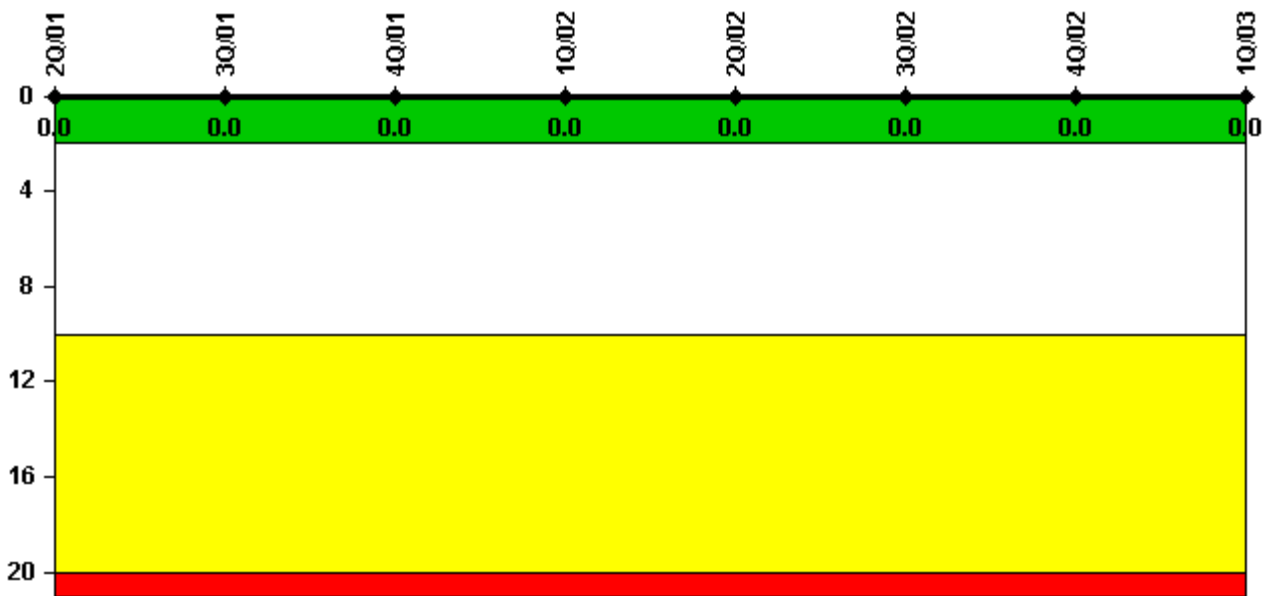
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0
Critical hours	1947.6	2208.0	1950.6	1968.9	1716.0	2208.0	2172.7	2097.1
Indicator value	0	0	0	0	0	0	0.9	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



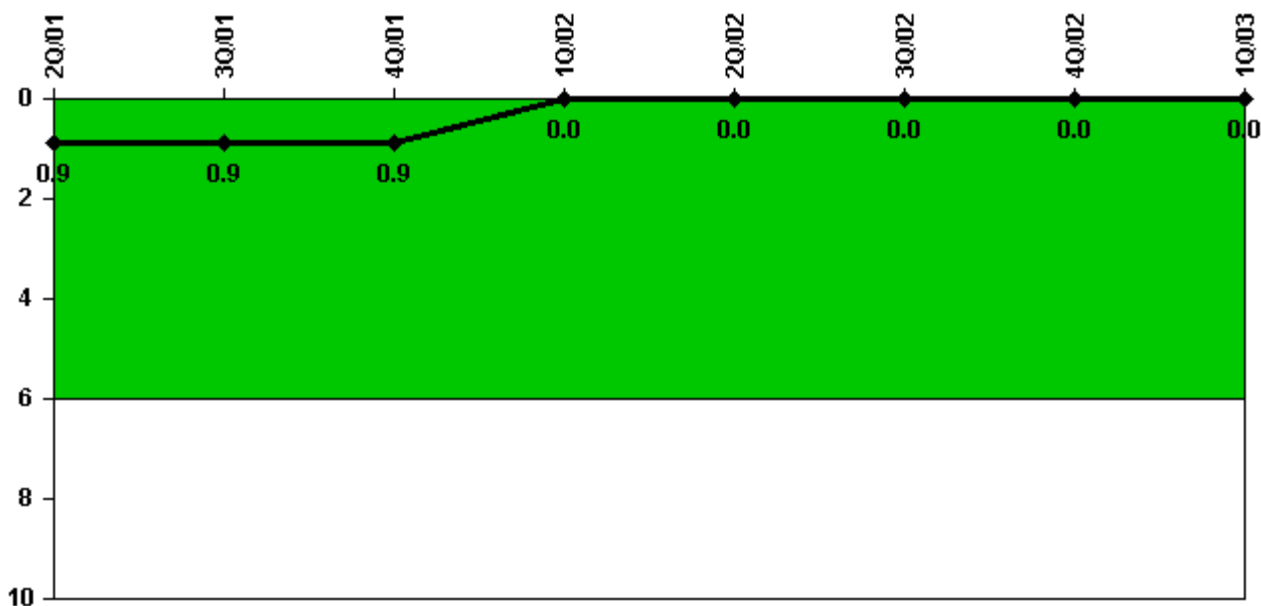
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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



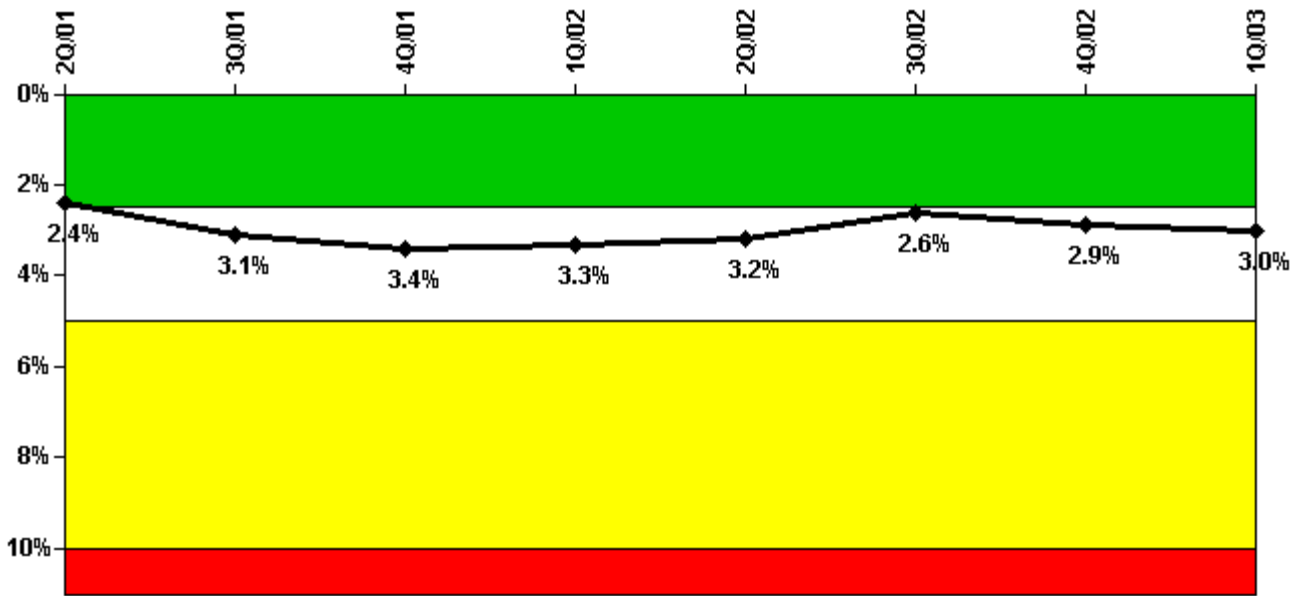
Thresholds: White > 6.0

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	1947.6	2208.0	1950.6	1968.9	1716.0	2208.0	2172.7	2097.1
Indicator value	0.9	0.9	0.9	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	17.17	8.00	94.71	23.48	12.57	20.43	11.90	29.87
Unplanned unavailable hours	0	28.76	135.10	10.50	0.32	0	0	0
Fault exposure hours	0	336.03	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	336.03	0	0
Required hours	1993.43	2208.00	2005.98	1978.30	1791.42	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	10.02	30.93	44.59	15.60	25.40	22.58	138.18	14.73
Unplanned unavailable hours	131.35	3.53	12.57	7.37	0	9.50	85.35	18.17
Fault exposure hours	192.03	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1993.43	2208.00	2005.98	1978.30	1791.42	2208.00	2209.00	2160.00
Indicator value	2.4%	3.1%	3.4%	3.3%	3.2%	2.6%	2.9%	3.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



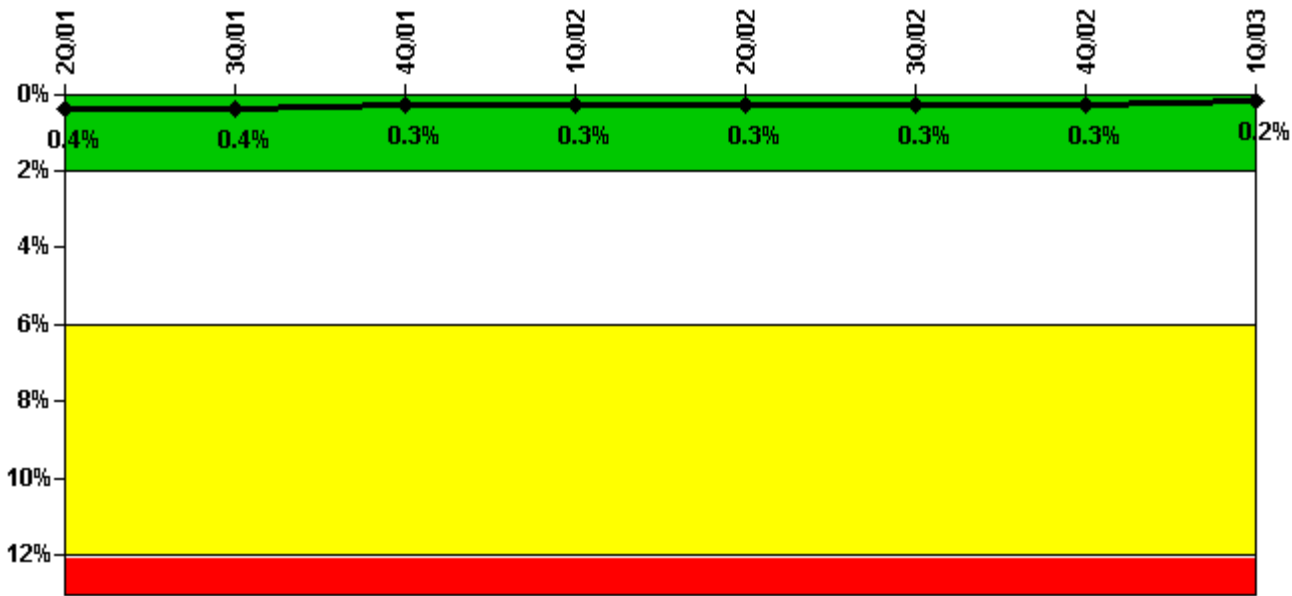
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0	0	0	0	0.80	0	1.84	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	1993.40	2208.00	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	3.10	2.00	0.50	1.20	1.85	3.46	12.16	1.05
Unplanned unavailable hours	0	4.80	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	1993.40	2208.00	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00
Indicator value	0%	0%	0%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



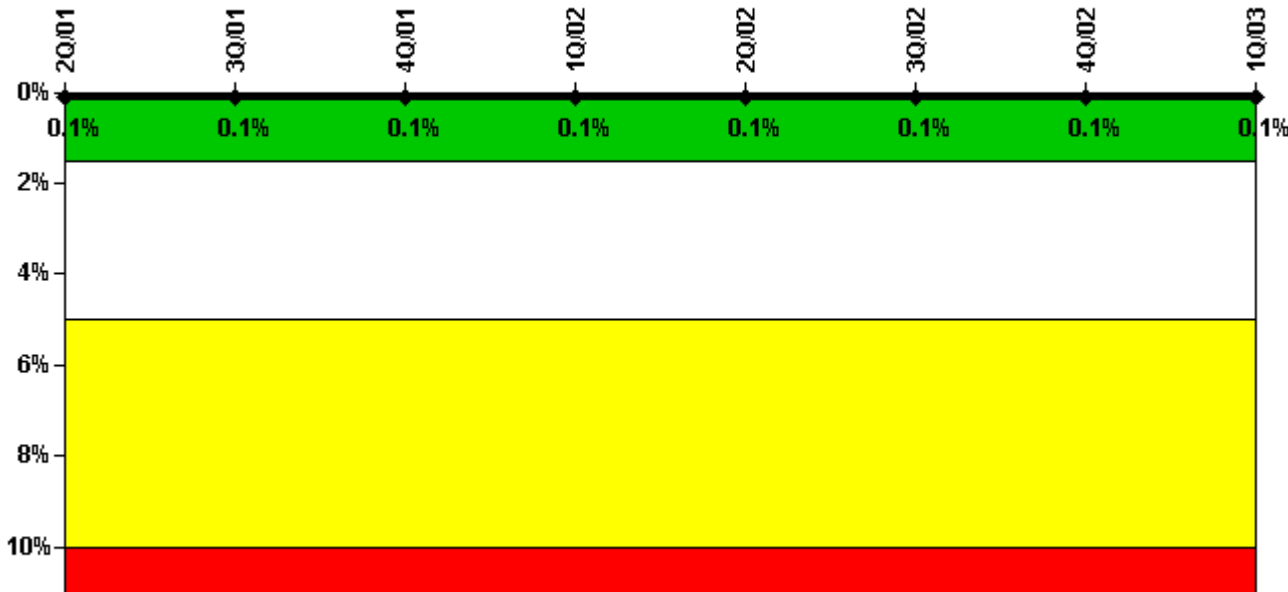
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

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	1.10	10.60	1.30	9.30	14.70	0.68	1.60	9.56
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	1993.40	2208.00	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.40	1.40	1.50	0.60	8.70	0.95	0.82	0.98
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	1993.40	2208.00	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	9.50	2.10	1.30	11.90	1.20	1.20	1.80	2.32
Unplanned unavailable hours	0	0	0	0	3.80	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	1993.40	2208.00	2006.00	1968.90	1716.00	2208.00	2209.00	2160.00
Indicator value	0.4%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

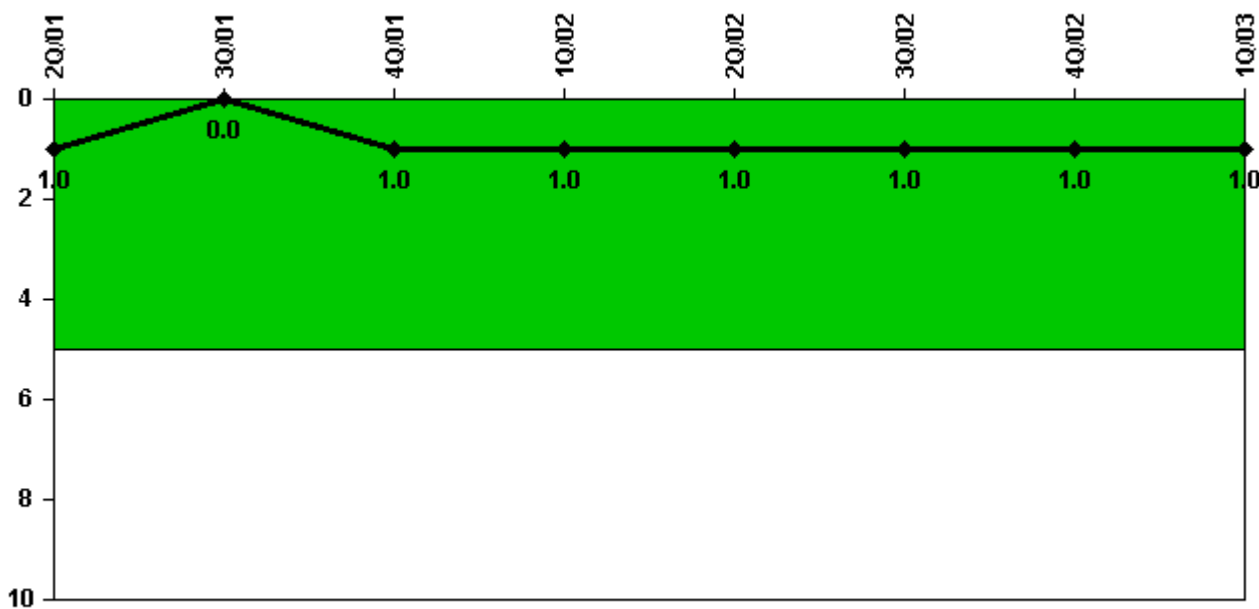
Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0.10	1.10	0	10.80	0.47	0.83	5.79	0.05
Unplanned unavailable hours	0	0	0	0	0	0	0.25	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	1993.40	2208.00	2209.00	1968.90	1716.00	2208.00	2209.00	2097.00
Train 2								
Planned unavailable hours	0.70	10.30	0.60	1.90	0	0.88	23.45	1.11
Unplanned unavailable hours	0	0	0	0	0.40	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	1993.40	2208.00	2209.00	1968.90	1716.00	2208.00	2209.00	2097.00
Train 3								
Planned unavailable hours	0.30	0	0	10.00	0	0	0	0
Unplanned unavailable hours	0	0	0	0	5.85	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	1993.40	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2097.00
Train 4								
Planned unavailable hours	0.40	0	0	10.20	0	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	1993.40	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2097.00
Indicator value	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Functional Failures (PWR)



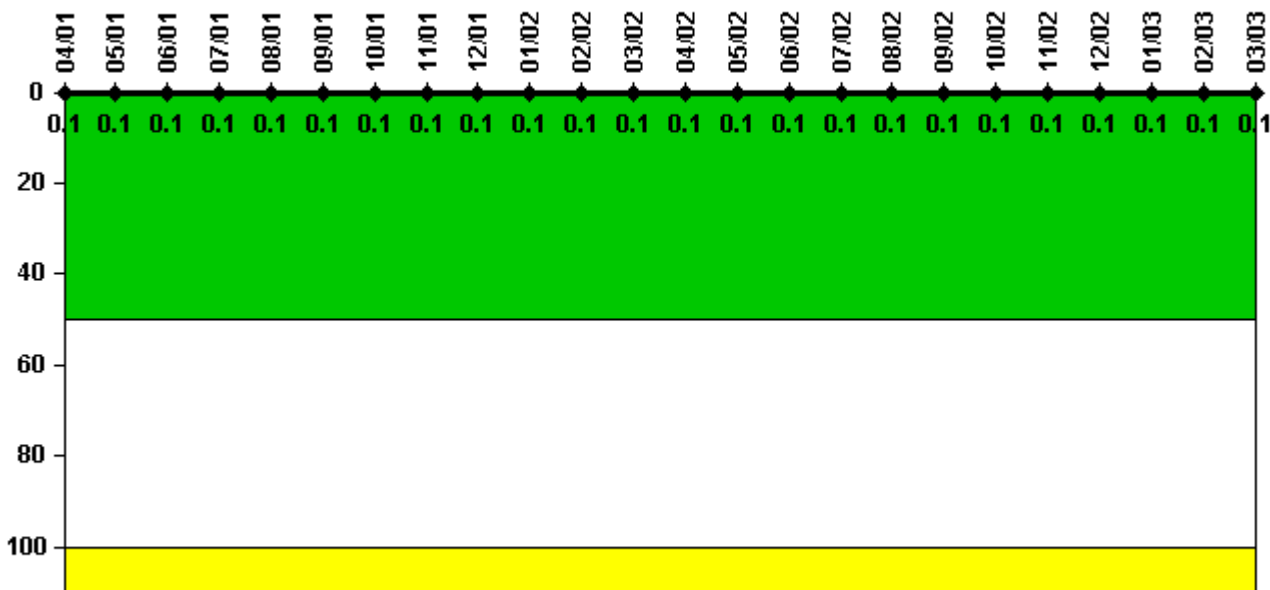
Thresholds: White > 5.0

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

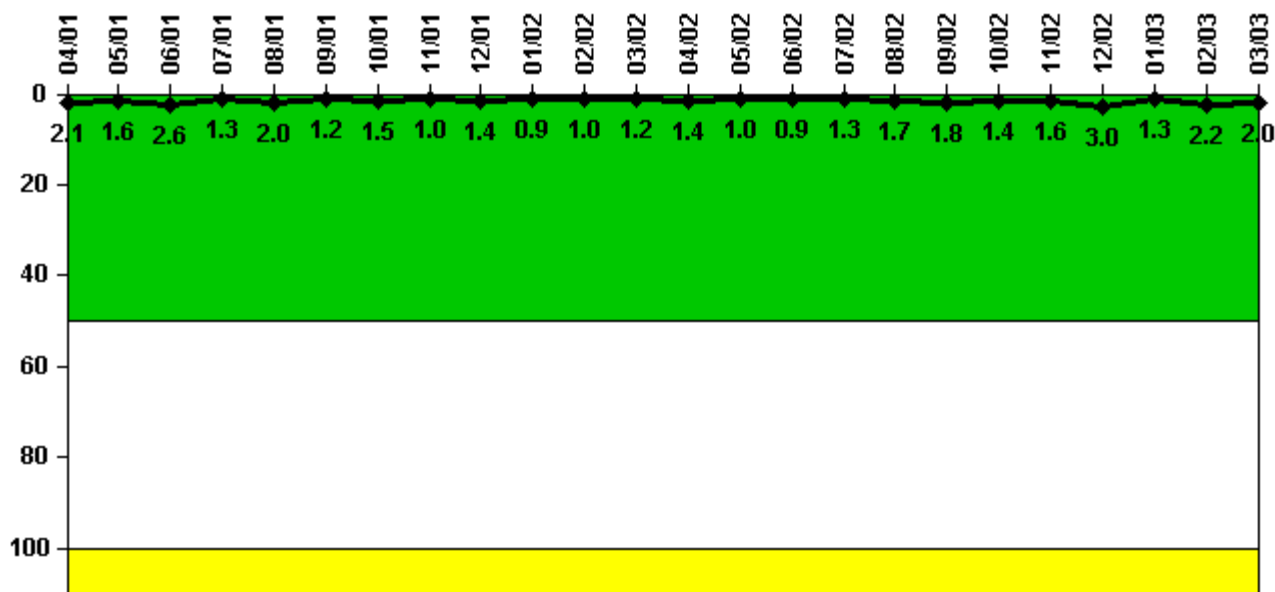
Notes

Reactor Coolant System Activity	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	0.001100	0.000977	0.001190	0.001180	0.001020	0.001060	0.001100	0.001140	0.001190	0.001140	0.001160	0.001350
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

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	0.000611	0.000791	0.000651	0.000748	0.000720	0.000722	0.000729	0.000738	0.000758	0.000768	0.000753	0.000760
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



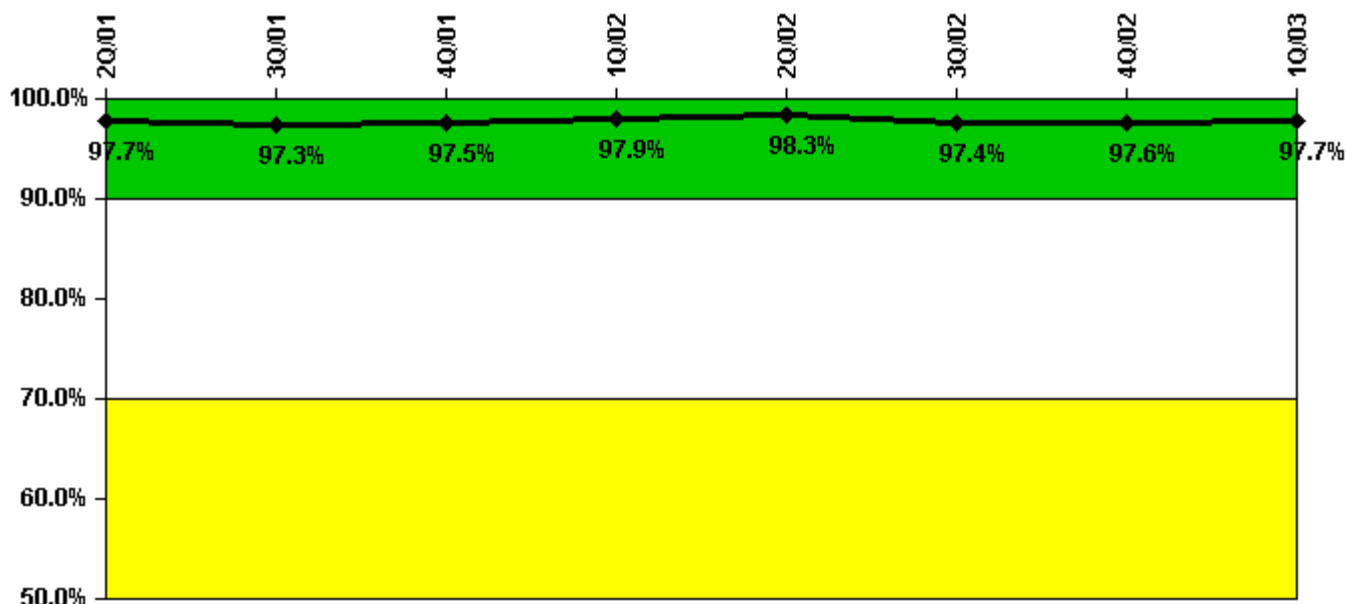
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.210	0.160	0.260	0.130	0.200	0.120	0.150	0.100	0.140	0.090	0.100	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	2.1	1.6	2.6	1.3	2.0	1.2	1.5	1.0	1.4	0.9	1.0	1.2
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	0.140	0.100	0.090	0.130	0.170	0.180	0.140	0.160	0.300	0.130	0.220	0.200
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	1.4	1.0	0.9	1.3	1.7	1.8	1.4	1.6	3.0	1.3	2.2	2.0

Licensee Comments: none

Drill/Exercise Performance



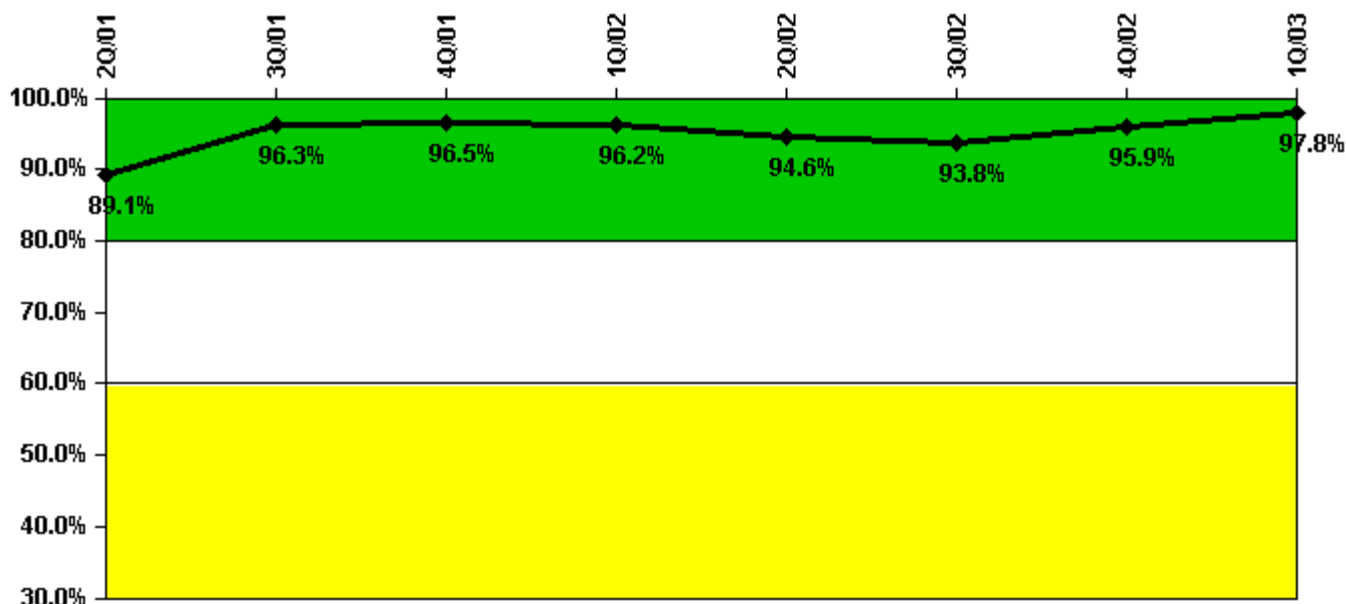
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	49.0	39.0	27.0	40.0	55.0	54.0	18.0	14.0
Total opportunities	51.0	41.0	28.0	40.0	55.0	56.0	18.0	14.0
Indicator value	97.7%	97.3%	97.5%	97.9%	98.3%	97.4%	97.6%	97.7%

Licensee Comments: none

ERO Drill Participation



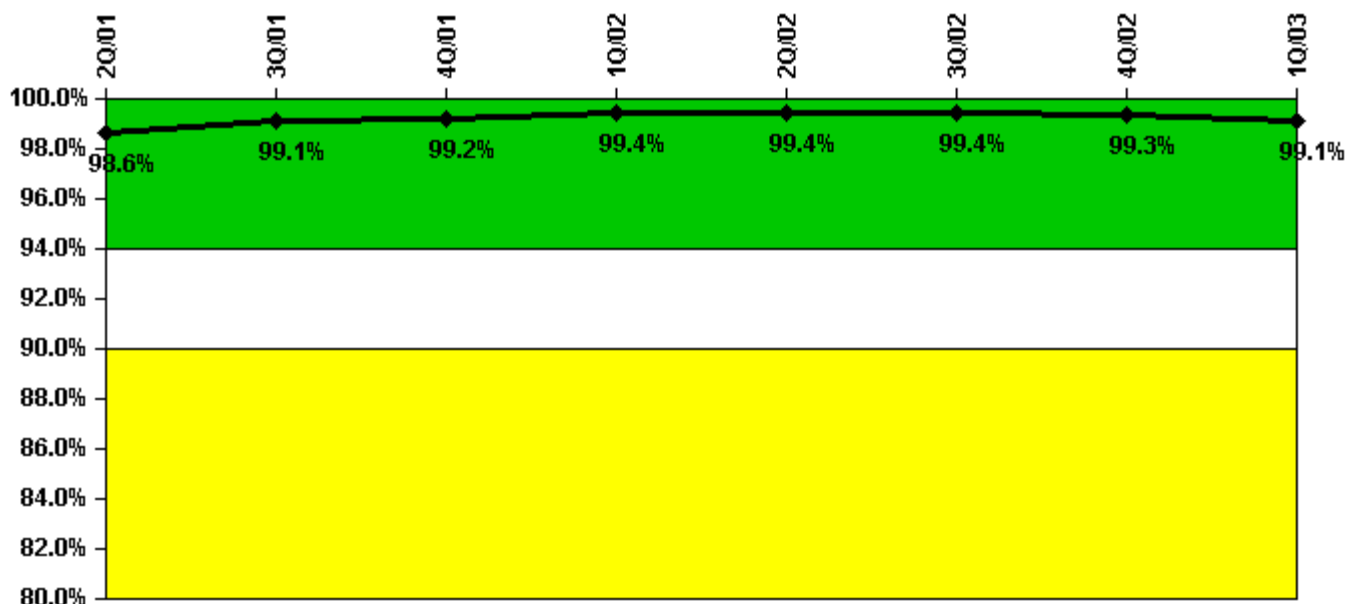
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	123.0	129.0	137.0	126.0	141.0	135.0	140.0	136.0
Total Key personnel	138.0	134.0	142.0	131.0	149.0	144.0	146.0	139.0
Indicator value	89.1%	96.3%	96.5%	96.2%	94.6%	93.8%	95.9%	97.8%

Licensee Comments: none

Alert & Notification System



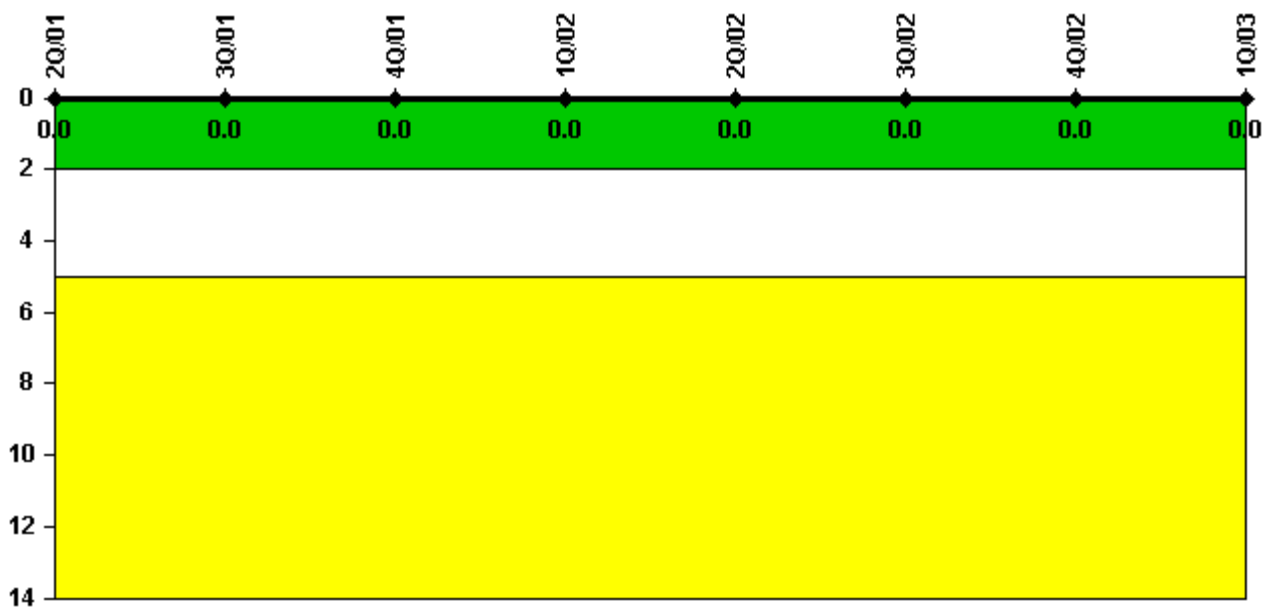
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	507	447	508	518	515	453	514	525
Total sirens-tests	512	448	512	520	520	455	520	530
Indicator value	98.6%	99.1%	99.2%	99.4%	99.4%	99.4%	99.3%	99.1%

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



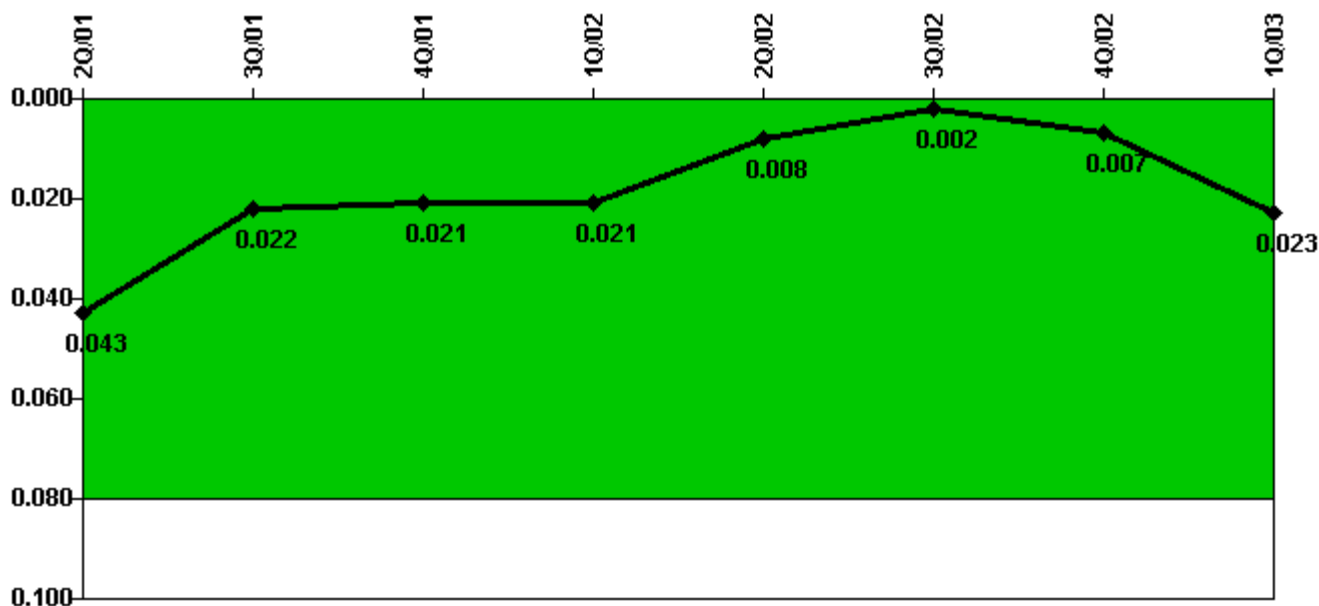
Thresholds: White > 1.0 Yellow > 3.0

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	256.52	125.73	0	0	13.26	27.25	83.20	298.08
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.043	0.022	0.021	0.021	0.008	0.002	0.007	0.023

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

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Last Modified: April 22, 2003