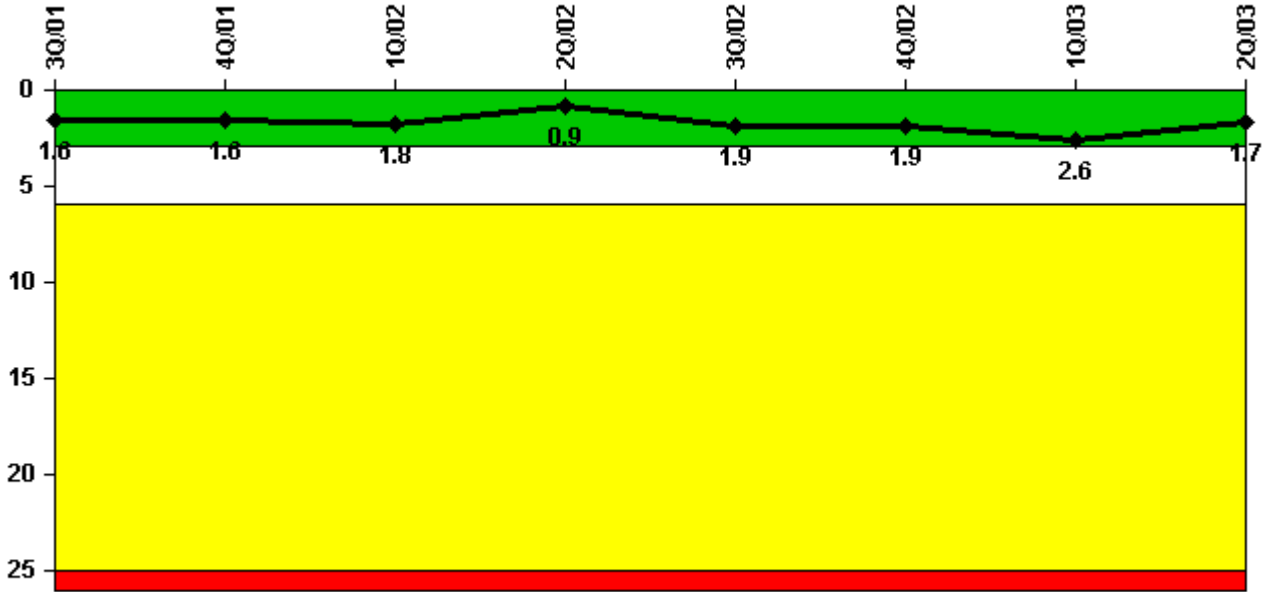


Millstone 2

2Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



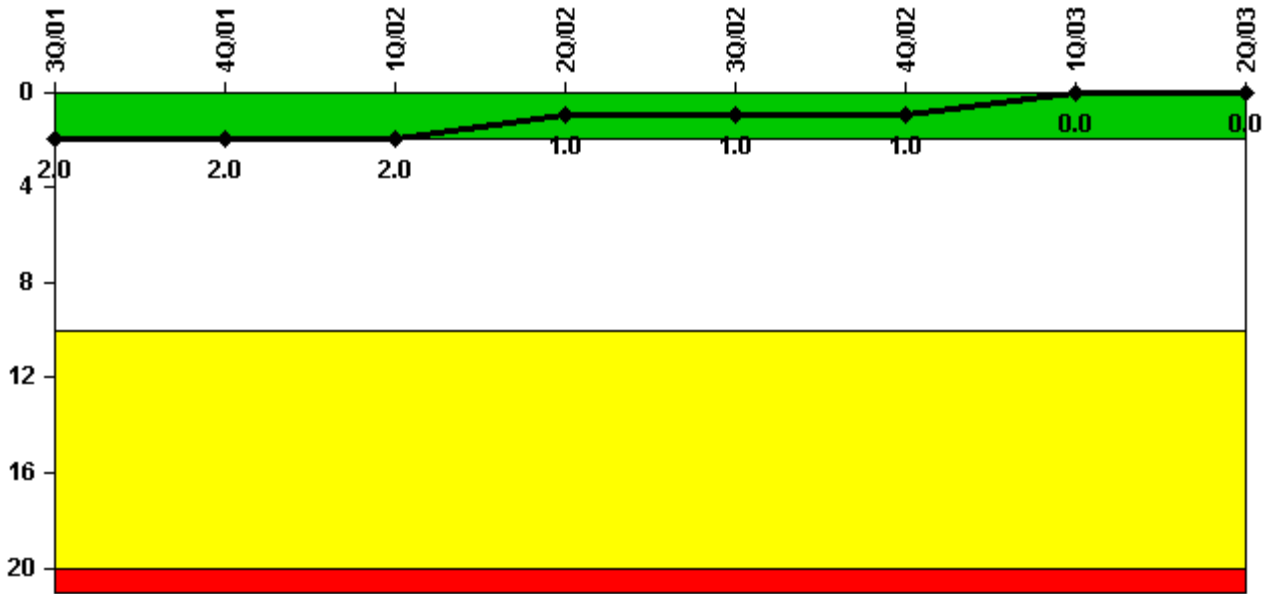
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	0	0	1.0	1.0	0	1.0	0
Critical hours	2208.0	2209.0	1112.3	1993.6	2067.3	2209.0	1711.2	2183.0
Indicator value	1.6	1.6	1.8	0.9	1.9	1.9	2.6	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



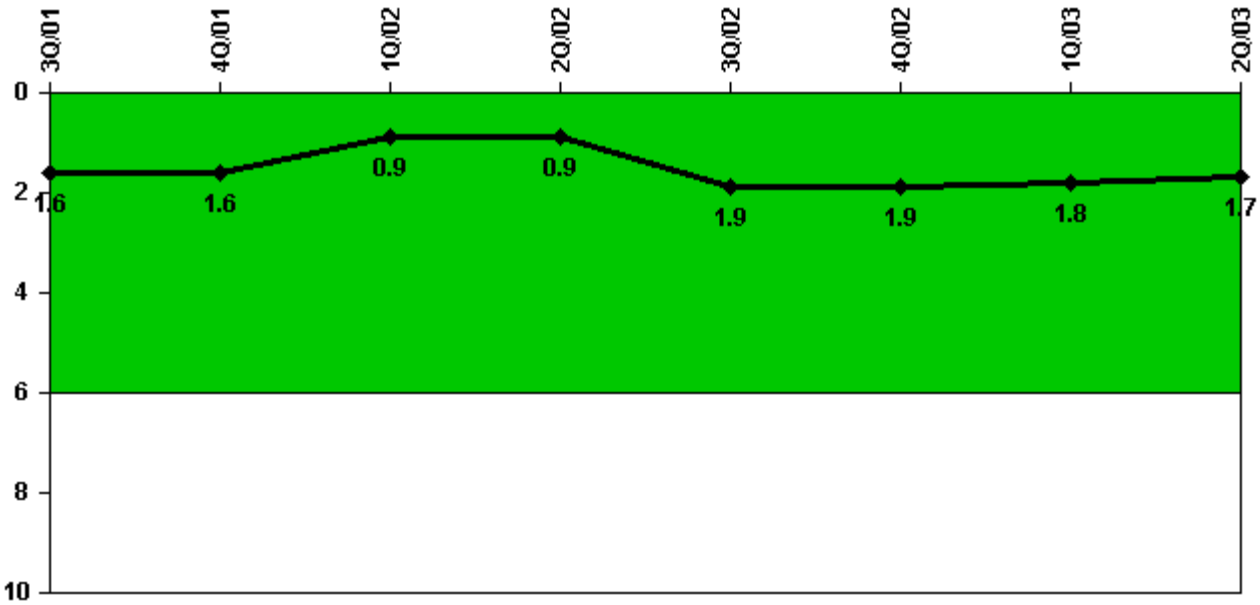
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	1.0	1.0	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



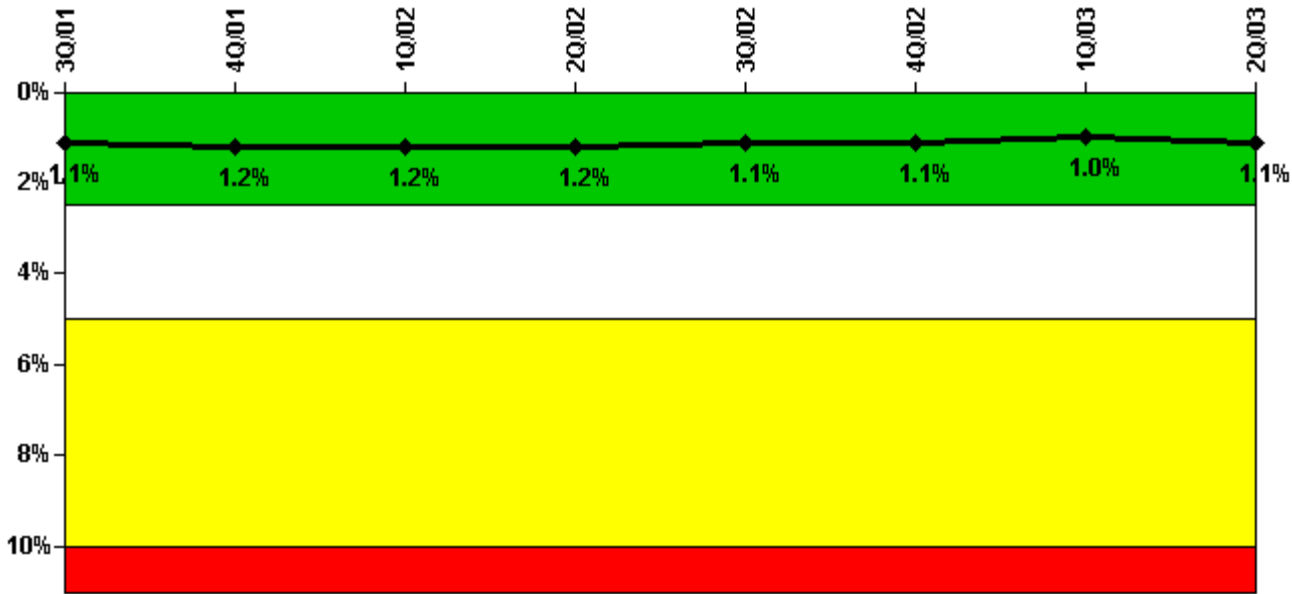
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	0	1.0	1.0	0	0	1.0
Critical hours	2208.0	2209.0	1112.3	1993.6	2067.3	2209.0	1711.2	2183.0
Indicator value	1.6	1.6	0.9	0.9	1.9	1.9	1.8	1.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

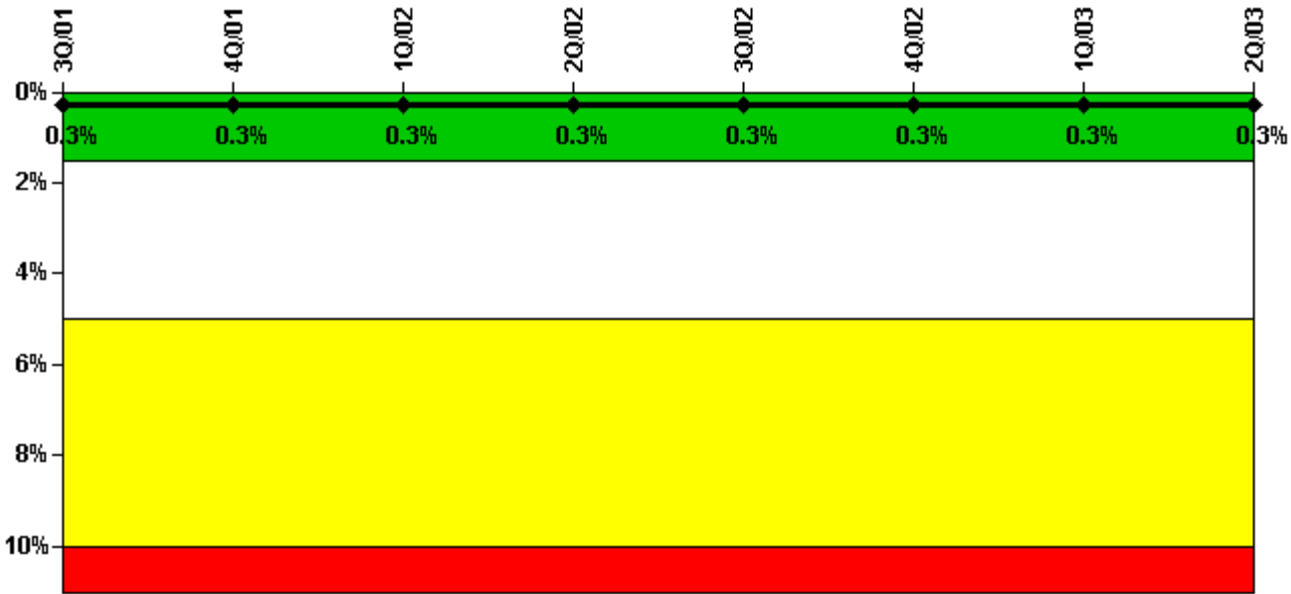
Notes

Safety System Unavailability, Emergency AC Power	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	1.57	23.64	9.47	3.29	33.37	16.72	2.49	22.88
Unplanned unavailable hours	2.57	31.17	19.19	0	10.68	17.81	0	27.86
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	1783.66	2183.00	2208.00	2209.00	2073.86	2183.00
Train 2								
Planned unavailable hours	13.78	2.95	14.64	20.72	24.09	22.13	13.91	16.50
Unplanned unavailable hours	5.22	1.33	0	0	0	27.66	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	1592.81	2183.00	2208.00	2209.00	1872.00	2183.00
Indicator value	1.1%	1.2%	1.2%	1.2%	1.1%	1.1%	1.0%	1.1%

Licensee Comments:

1Q/03: Planned unavailability hour data was revised to correct a data entry error. No threshold was crossed.

Safety System Unavailability, High Pressure Injection System (HPSI)



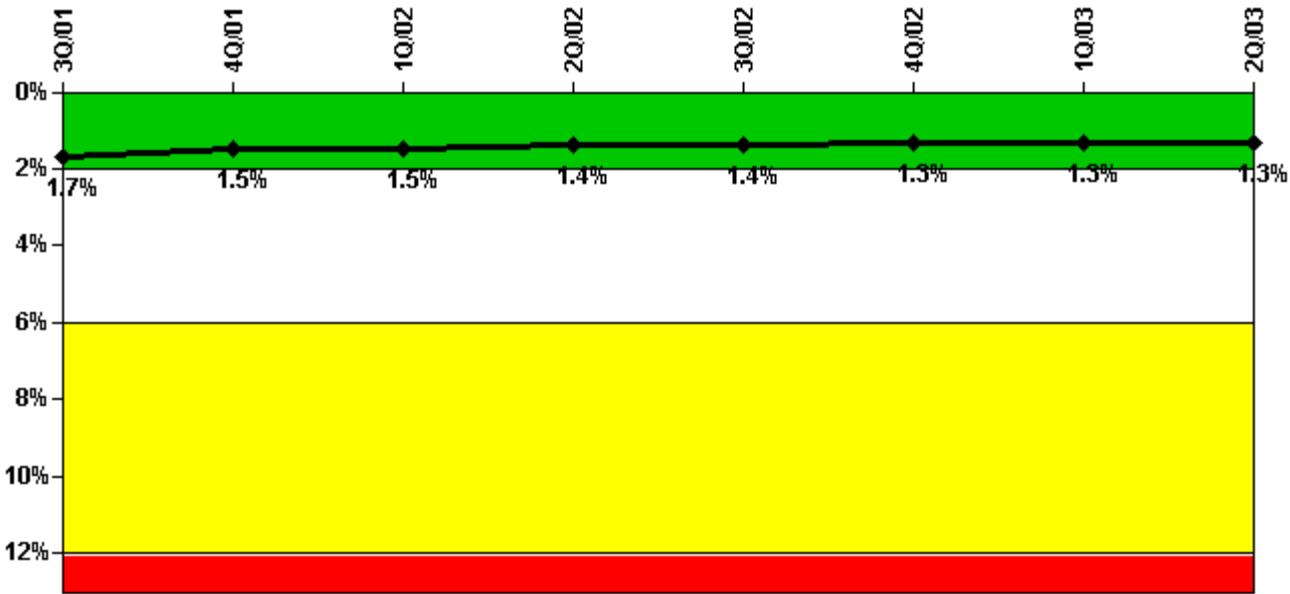
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	1.93	2.00	0.51	1.67	0.45	15.76	4.40	0.60
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	1194.56	2032.12	2208.00	2205.00	1767.00	2183.00
Train 2								
Planned unavailable hours	7.58	5.82	23.46	12.32	8.61	6.02	1.00	4.20
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	648.28	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1194.56	2032.12	2208.00	2209.00	1767.00	2183.00
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)



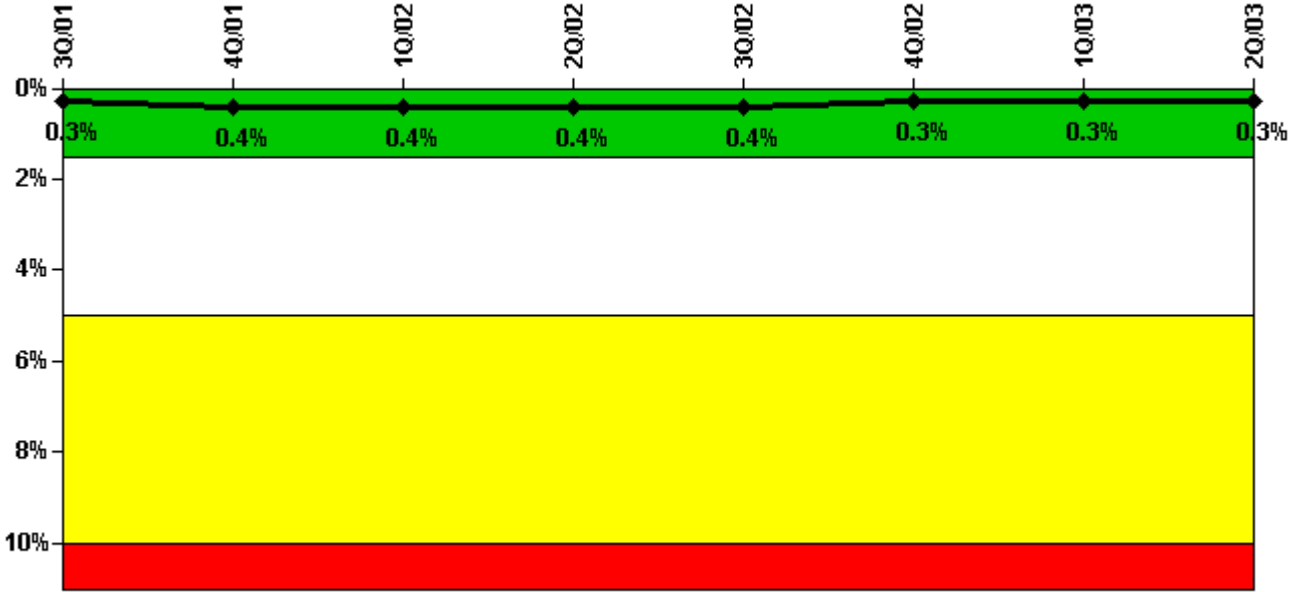
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0.20	4.20	12.50	0	1.00	0	0	25.50
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	2208.00	2209.00	1112.30	1973.50	2067.30	2209.00	1769.00	2183.00
Train 2								
Planned unavailable hours	10.10	2.20	0	0	0	0	9.00	9.50
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	2208.00	2209.00	1112.30	1973.50	2067.30	2209.00	1769.00	2183.00
Train 3								
Planned unavailable hours	3.00	9.70	21.00	0	0	0	13.75	2.50
Unplanned unavailable hours	21.00	0	1.00	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	1112.30	1973.50	2067.30	2209.00	1769.00	2183.00
Indicator value	1.7%	1.5%	1.5%	1.4%	1.4%	1.3%	1.3%	1.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

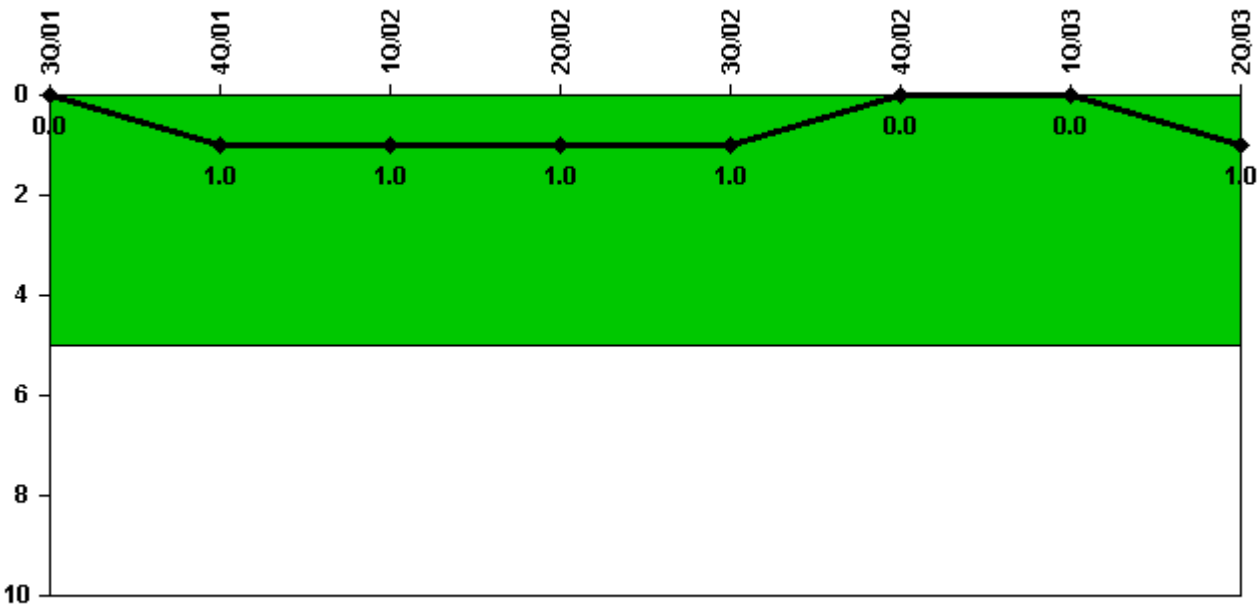
Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	7.46	25.70	2.96	11.01	7.96	66.32	3.50	5.10
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	1181.10	2032.12	2208.00	2209.00	1706.00	2183.00
Train 2								
Planned unavailable hours	5.91	9.14	5.11	27.88	5.62	9.50	2.20	6.80
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	1181.10	2032.12	2208.00	2209.00	1706.00	2183.00
Train 3								
Planned unavailable hours	0	0	0	0	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	0	0	971.30	131.00	0	2209.00	454.00	0
Train 4								
Planned unavailable hours	0	0	0	0	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	0	0	971.30	131.00	0	2209.00	454.00	0
Indicator value	0.3%	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)



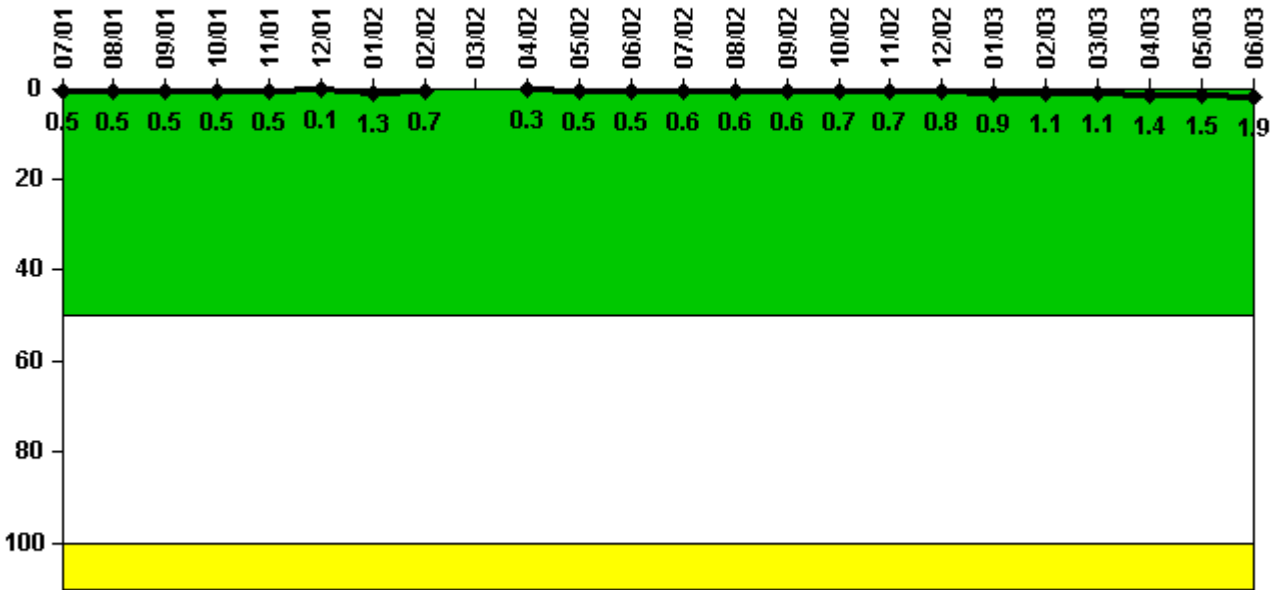
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Safety System Functional Failures	0	1	0	0	0	0	0	1
Indicator value	0	1	1	1	1	0	0	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

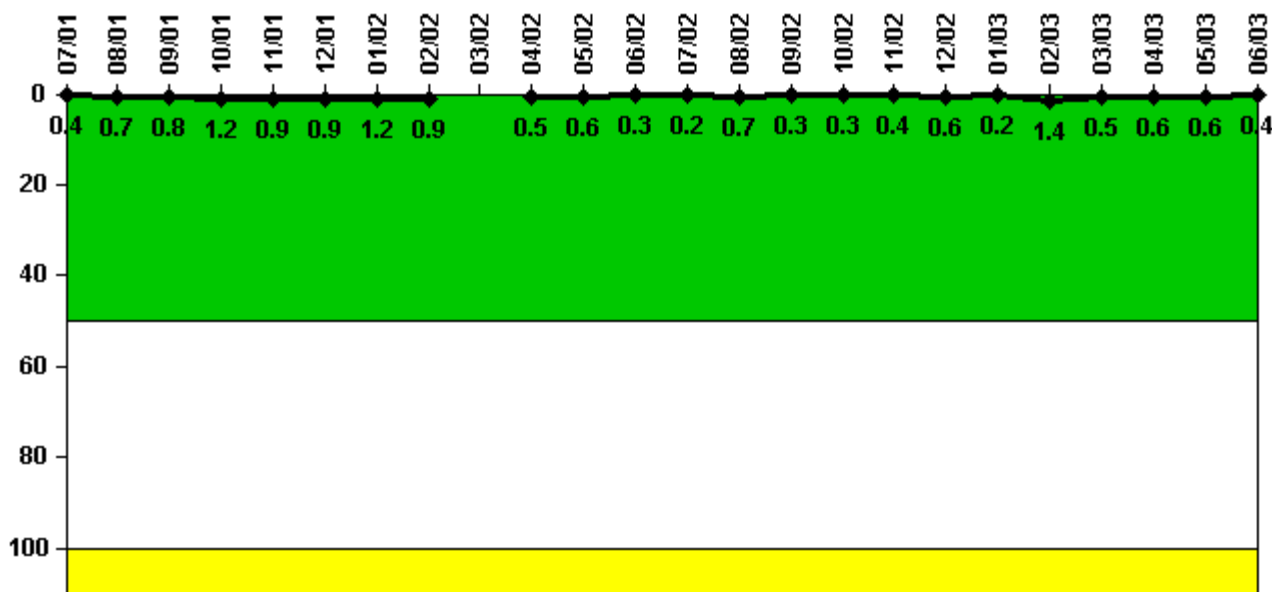
Notes

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.004500	0.004680	0.004890	0.005150	0.005430	0.001240	0.012600	0.007420	N/A	0.003230	0.004840	0.005450
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	0.5	0.5	0.5	0.5	0.5	0.1	1.3	0.7	N/A	0.3	0.5	0.5

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	0.005520	0.006330	0.006400	0.006910	0.006970	0.008180	0.009280	0.010700	0.011100	0.013800	0.014800	0.019100
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	0.6	0.6	0.6	0.7	0.7	0.8	0.9	1.1	1.1	1.4	1.5	1.9

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

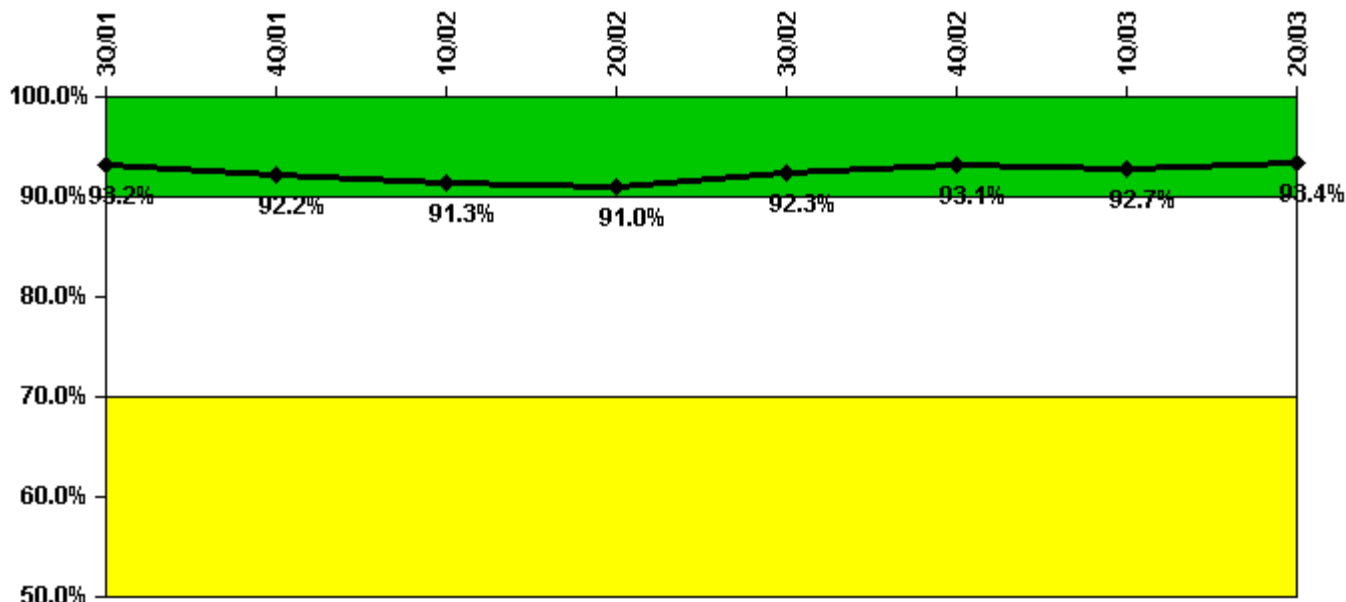
Notes

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.035	0.068	0.077	0.116	0.091	0.087	0.124	0.094	N/A	0.054	0.055	0.031
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	0.4	0.7	0.8	1.2	0.9	0.9	1.2	0.9	N/A	0.5	0.6	0.3

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	0.022	0.070	0.026	0.027	0.043	0.057	0.017	0.142	0.051	0.055	0.058	0.037
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	0.7	0.3	0.3	0.4	0.6	0.2	1.4	0.5	0.6	0.6	0.4

Licensee Comments: none

Drill/Exercise Performance



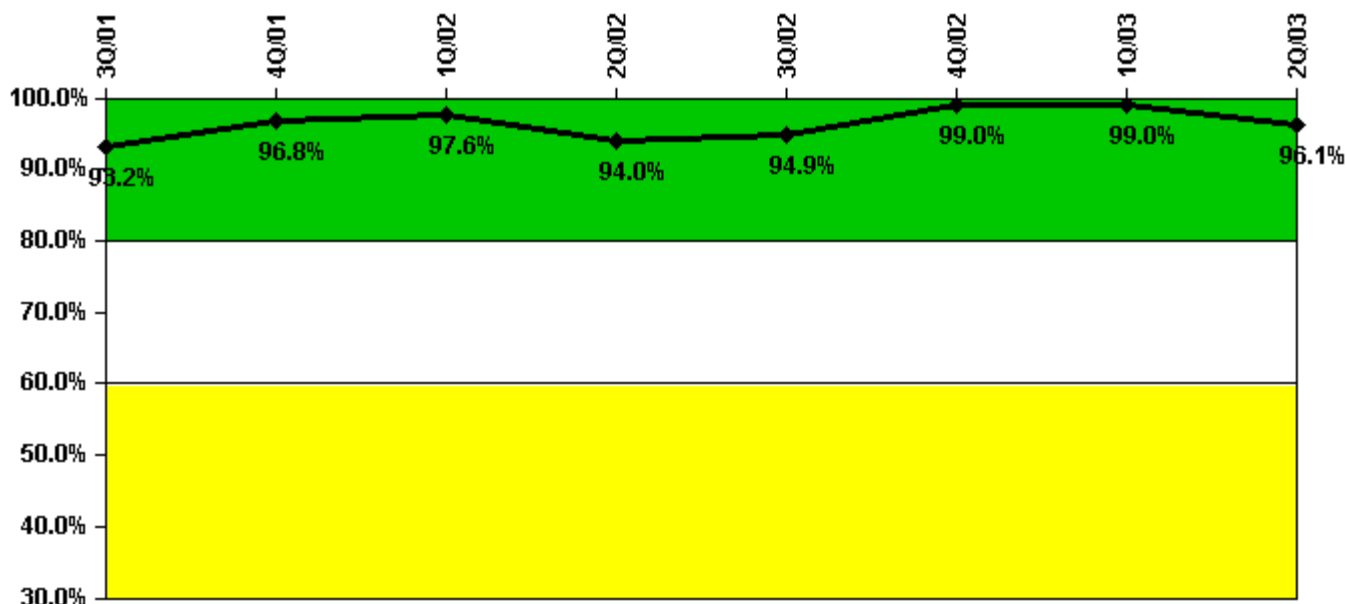
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	18.0	31.0	0	30.0	36.0	45.0	1.0	66.0
Total opportunities	19.0	36.0	0	32.0	37.0	47.0	2.0	70.0
Indicator value	93.2%	92.2%	91.3%	91.0%	92.3%	93.1%	92.7%	93.4%

Licensee Comments: none

ERO Drill Participation



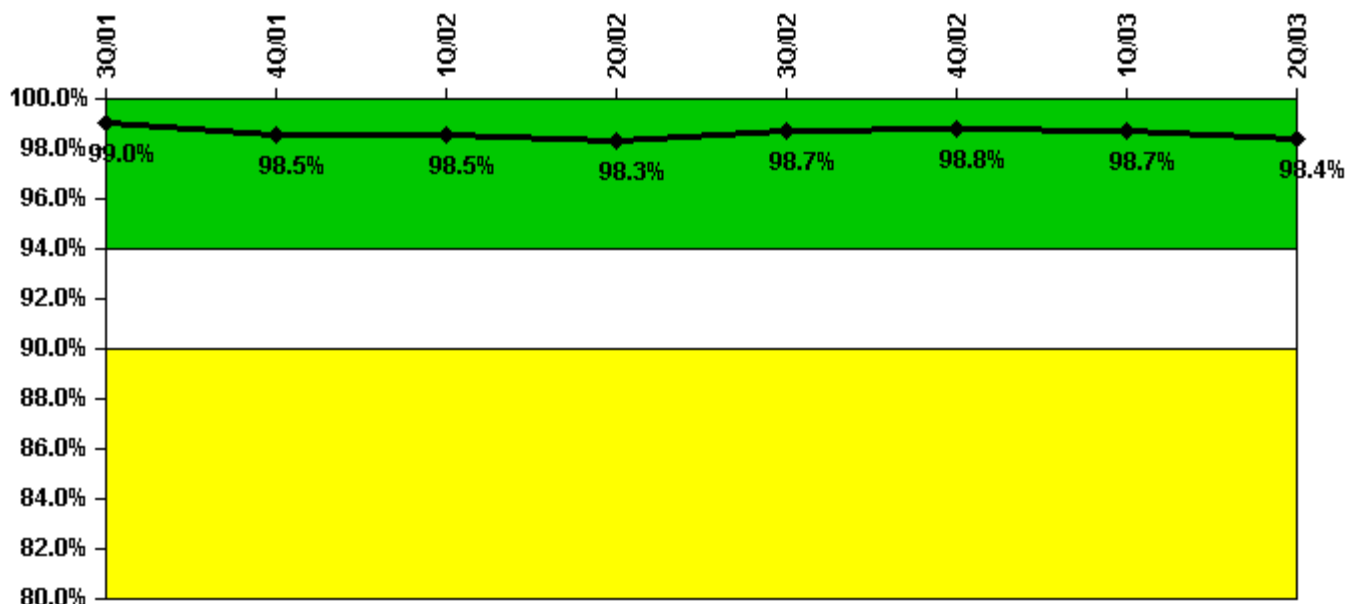
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	68.0	92.0	83.0	79.0	93.0	100.0	102.0	123.0
Total Key personnel	73.0	95.0	85.0	84.0	98.0	101.0	103.0	128.0
Indicator value	93.2%	96.8%	97.6%	94.0%	94.9%	99.0%	99.0%	96.1%

Licensee Comments: none

Alert & Notification System



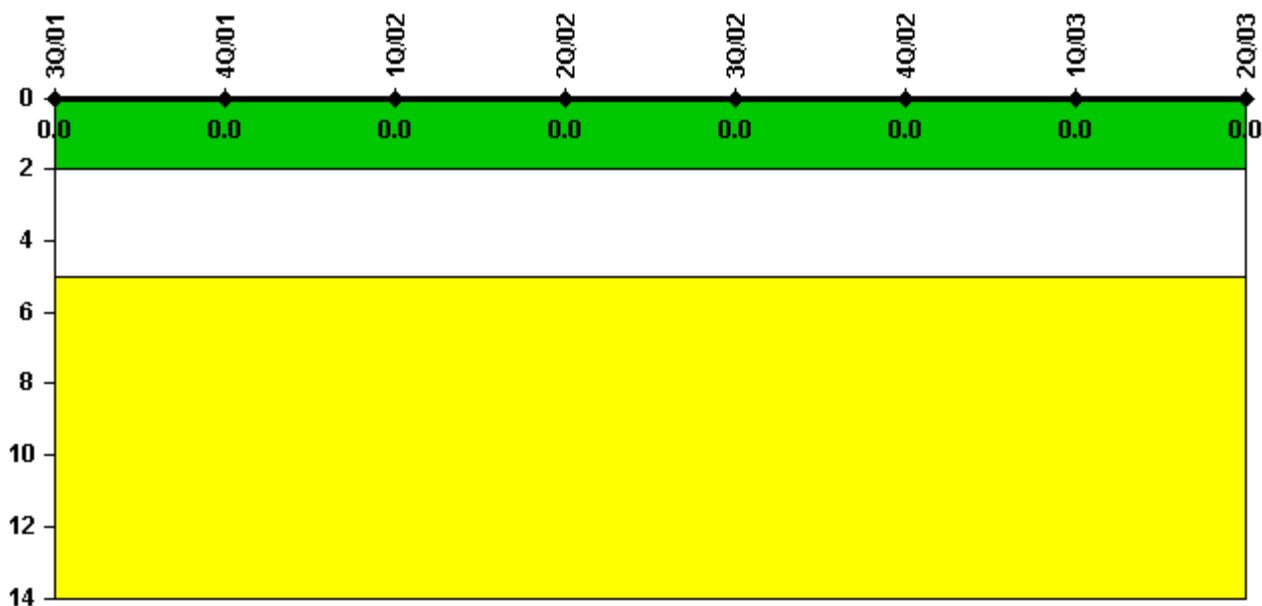
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	463	313	316	314	470	314	315	309
Total sirens-tests	477	318	318	318	477	318	318	318
Indicator value	99.0%	98.5%	98.5%	98.3%	98.7%	98.8%	98.7%	98.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/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



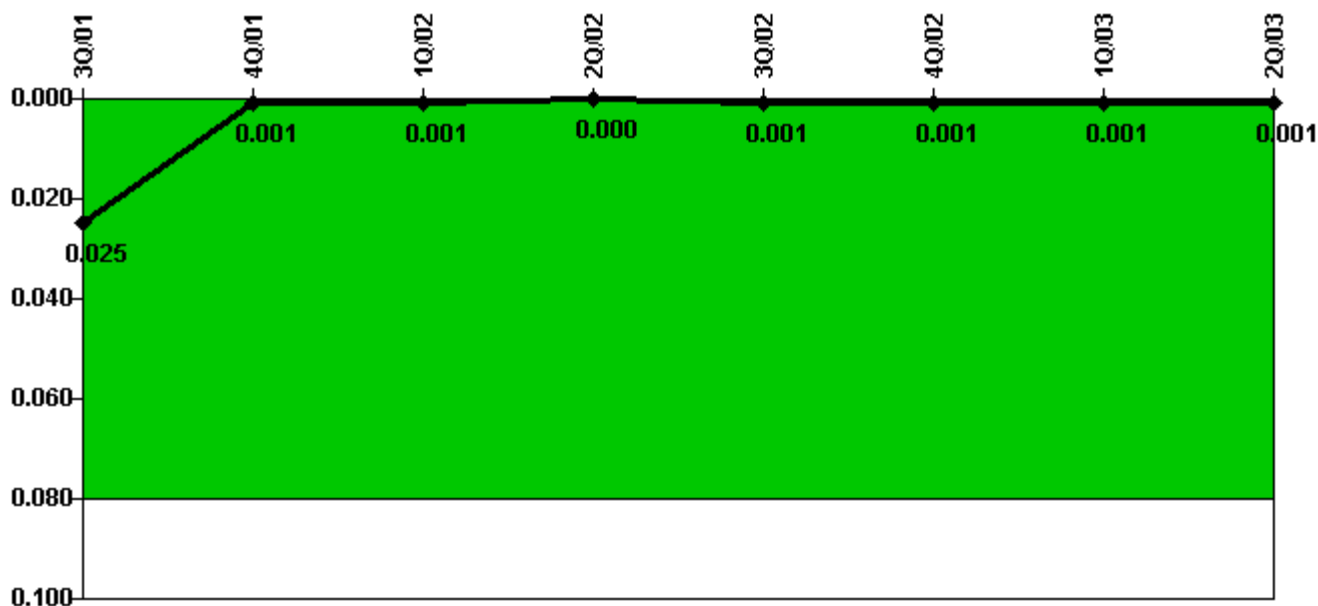
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/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



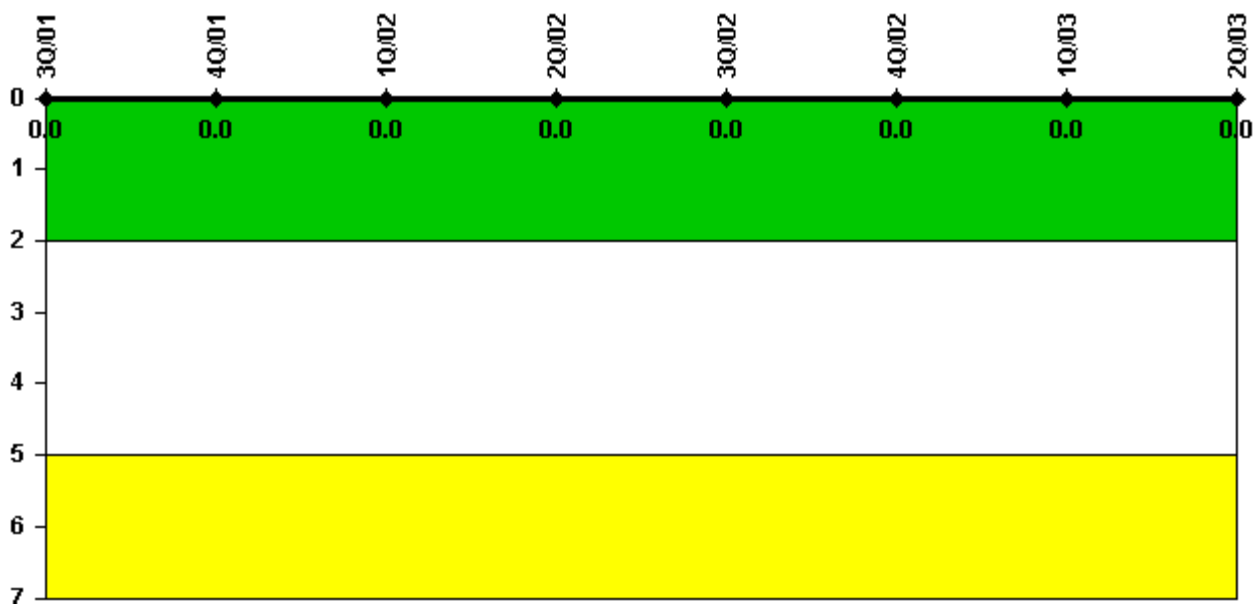
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	1.50	0	4.80	0	0	0	22.20	0
CCTV compensatory hours	0	0	0.1	5.2	21.4	0	0	0
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	0.025	0.001	0.001	0	0.001	0.001	0.001	0.001

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/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: July 22, 2003