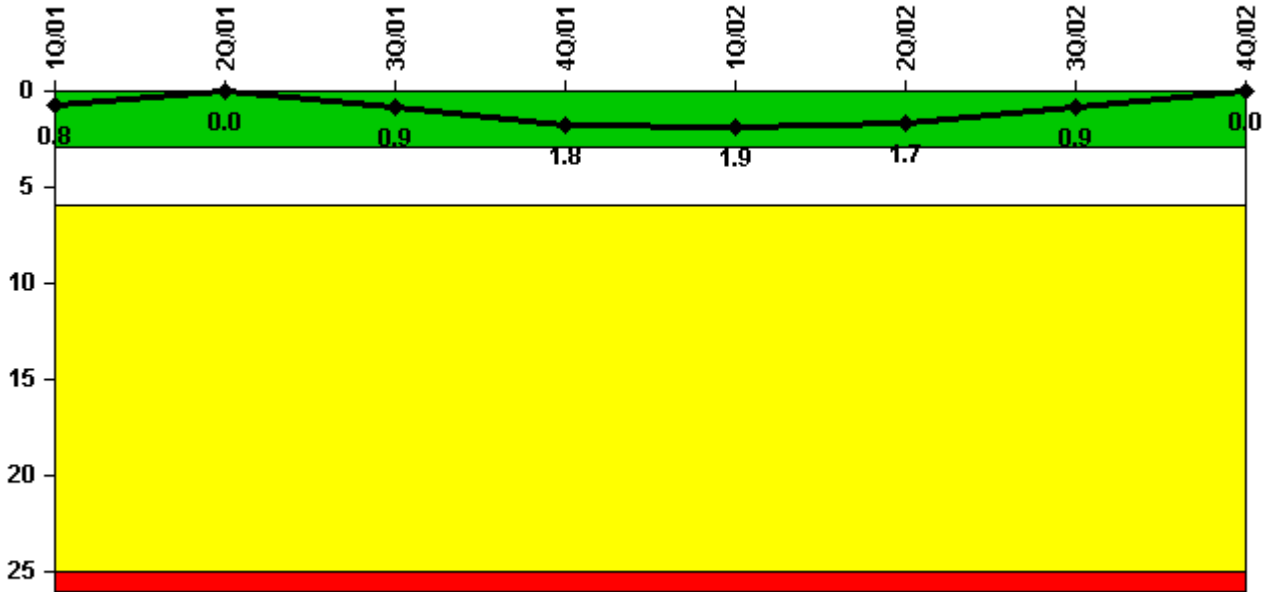


Duane Arnold

4Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



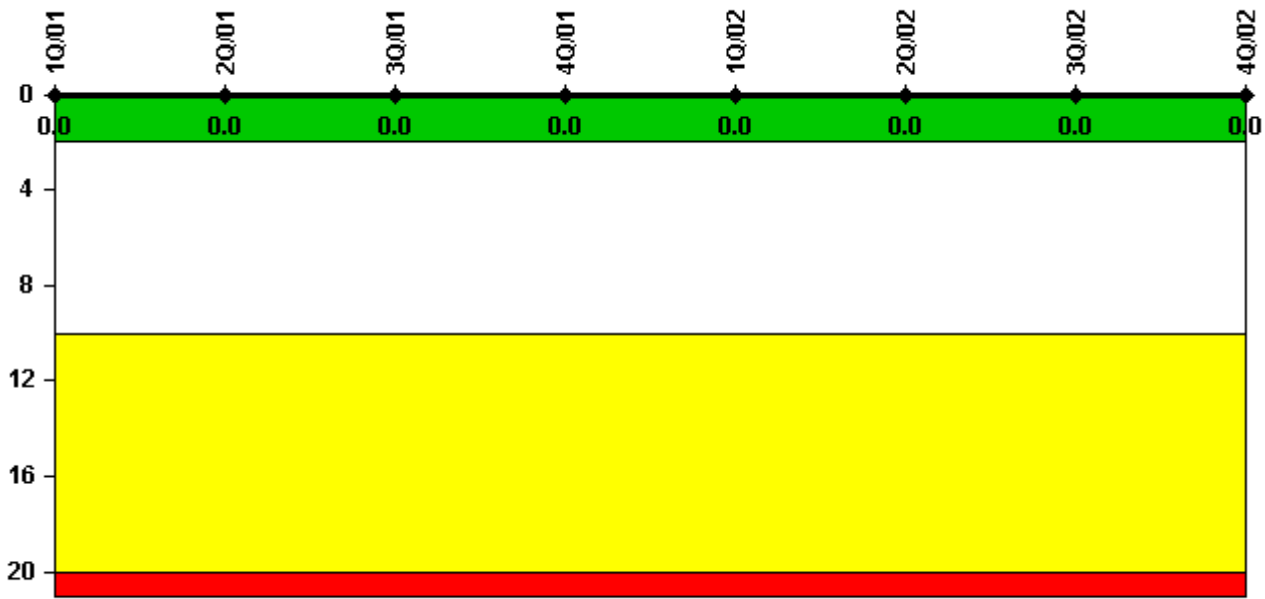
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	0	1.0	1.0	0	0	0	0
Critical hours	2160.0	1197.1	2159.5	2083.0	2054.0	2105.7	1896.5	2209.0
Indicator value	0.8	0	0.9	1.8	1.9	1.7	0.9	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



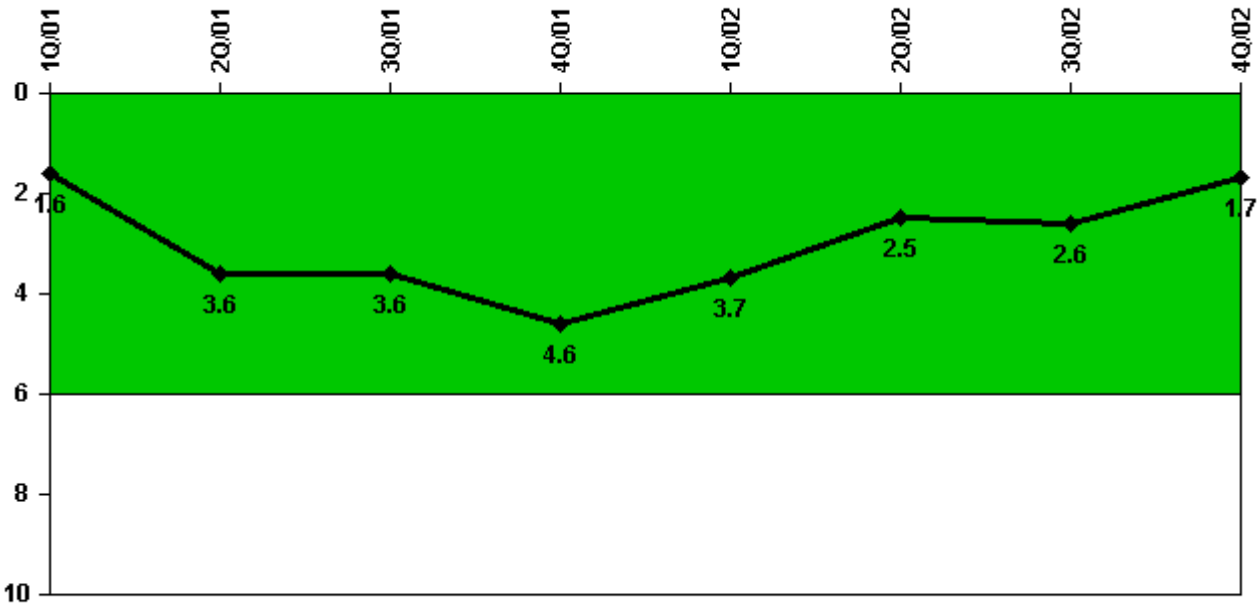
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
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

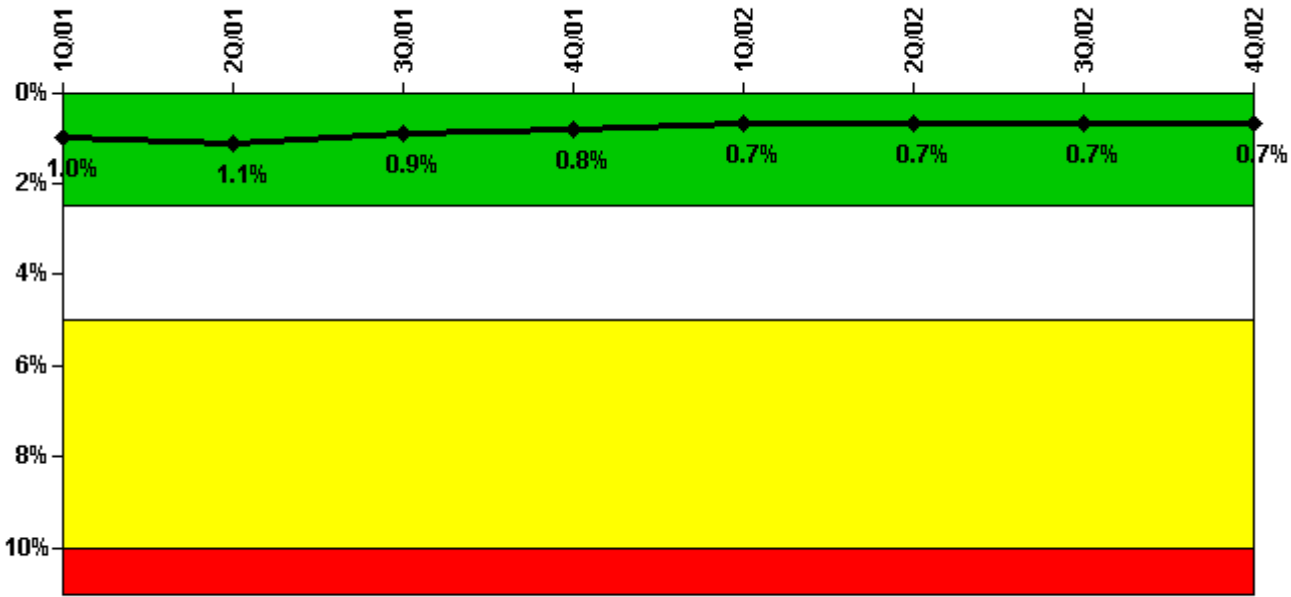
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	1.0	2.0	1.0	1.0	0	1.0	1.0	0
Critical hours	2160.0	1197.1	2159.5	2083.0	2054.0	2105.7	1896.5	2209.0
Indicator value	1.6	3.6	3.6	4.6	3.7	2.5	2.6	1.7

Licensee Comments:

3Q/02: CHANGE 8/2002 from zero to one. On 8/6, loss of both RHRSW substems required a plant s/d due to unprecedented plugging of RHRSW strainers caused by biofouling at the intake structure and the RHRSW and ESW (Emergency Service Water) wet pits. The greater than 20% power change was initially excluded from this indicator because the shutdown was caused by the river water environment. An FAQ was submitted. It has since been determined that this shutdown does not meet the criteria for environmental exclusion.

Safety System Unavailability, Emergency AC Power



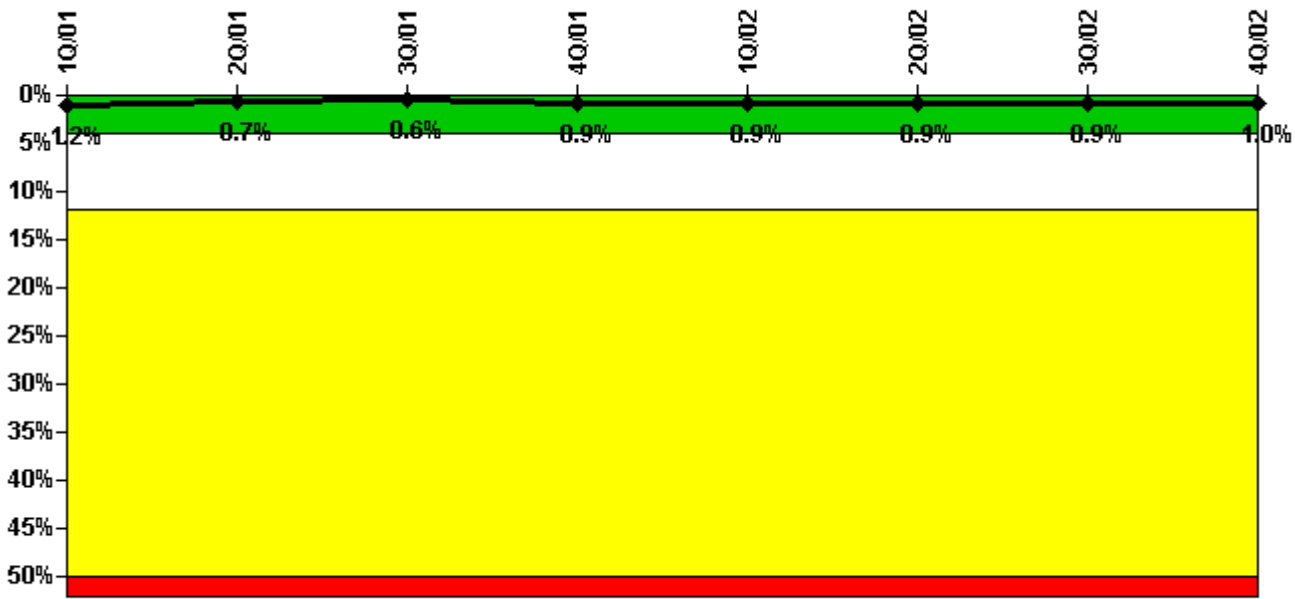
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	14.46	3.43	14.76	6.80	10.92	10.18	11.95	10.88
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	2160.00	2013.80	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	13.87	48.76	11.11	10.75	10.97	12.21	10.85	10.80
Unplanned unavailable hours	0	0	0	0	0	55.81	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	2160.00	2059.22	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.0%	1.1%	0.9%	0.8%	0.7%	0.7%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)



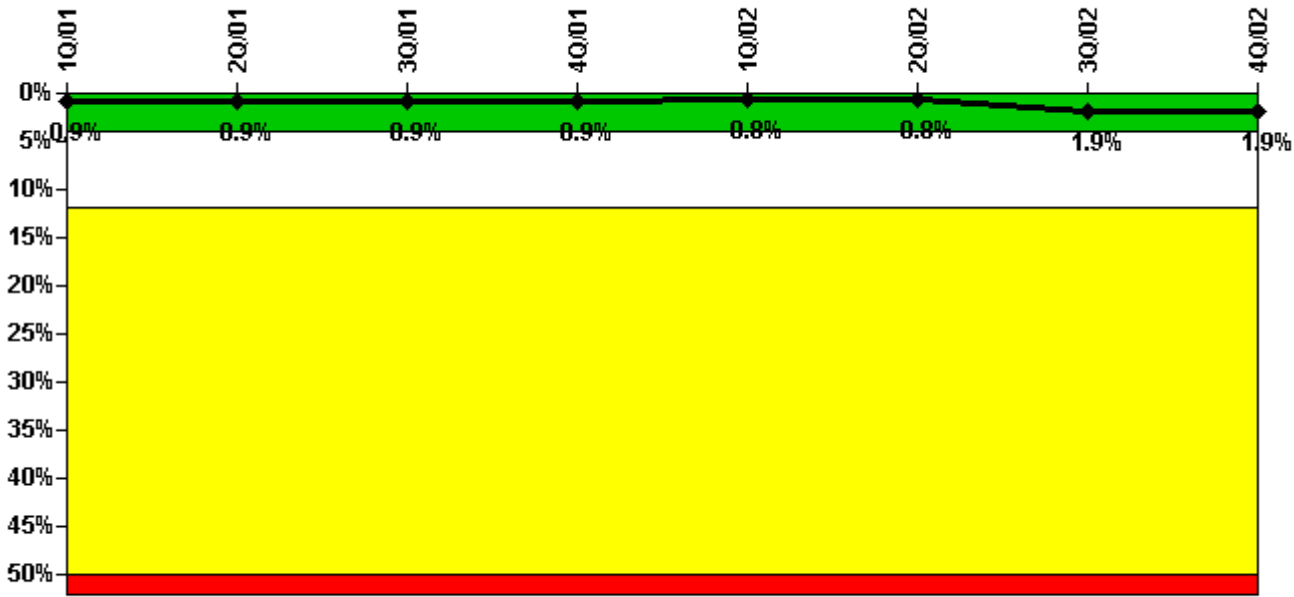
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	19.54	2.67	0	68.40	20.86	0	0	31.33
Unplanned unavailable hours	0	5.10	7.03	3.00	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	2160.00	1197.10	2159.50	2083.00	2054.00	2105.70	1896.50	2209.00
Indicator value	1.2%	0.7%	0.6%	0.9%	0.9%	0.9%	0.9%	1.0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



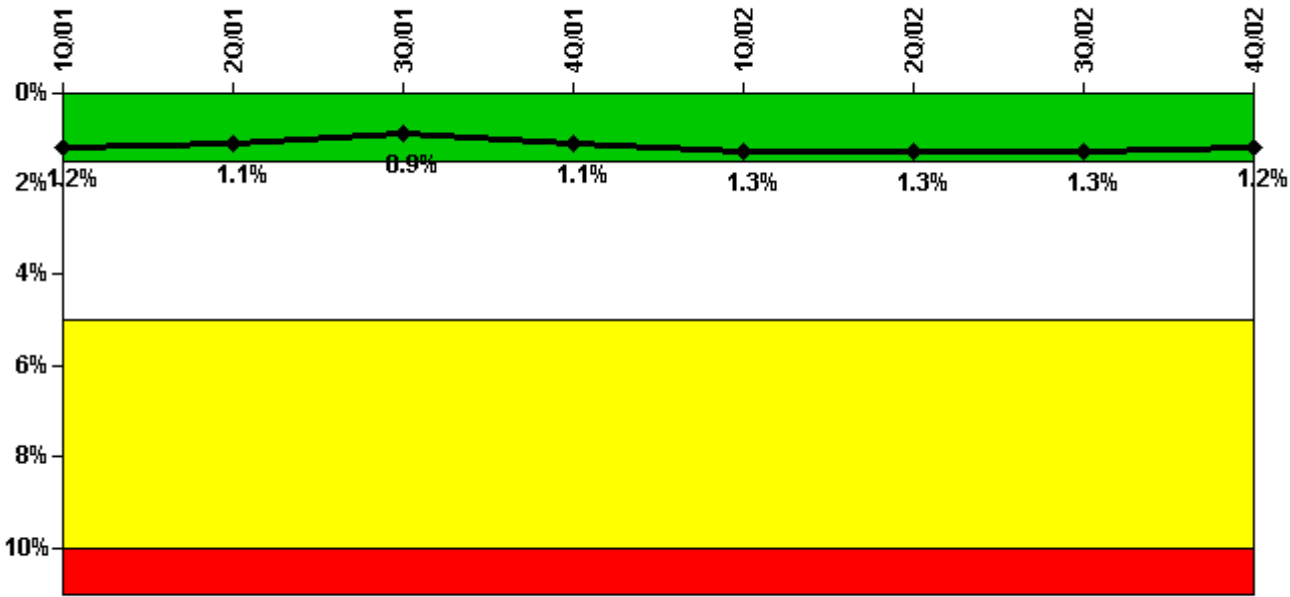
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	11.68	0	8.00	1.00	17.80	0	38.70	7.35
Unplanned unavailable hours	0	0	5.00	0	0	0	254.50	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	2160.00	1197.10	2159.50	2083.00	2054.00	2105.70	1896.50	2209.00
Indicator value	0.9%	0.9%	0.9%	0.9%	0.8%	0.8%	1.9%	1.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



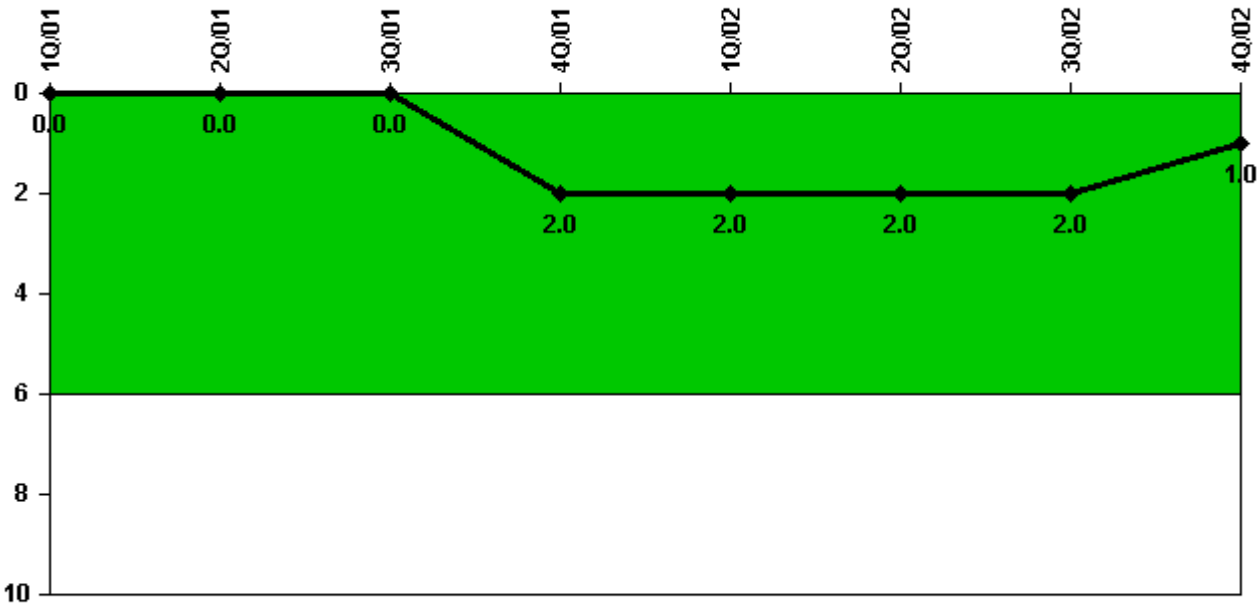
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	16.42	0	0	110.12	57.70	0	18.27	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	6.80	0	37.38	44.28	76.70	23.20	15.03	11.40
Unplanned unavailable hours	0	0	0	0	0	55.32	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.2%	1.1%	0.9%	1.1%	1.3%	1.3%	1.3%	1.2%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

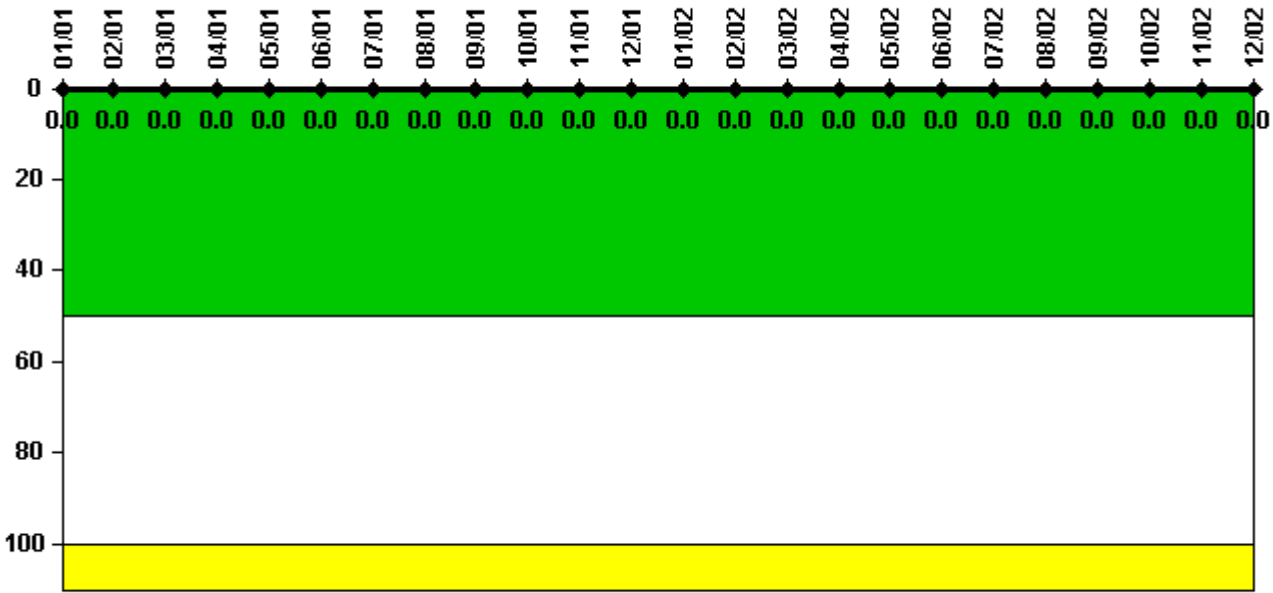
Notes

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

Licensee Comments:

4Q/02: LER 331/2002-002

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

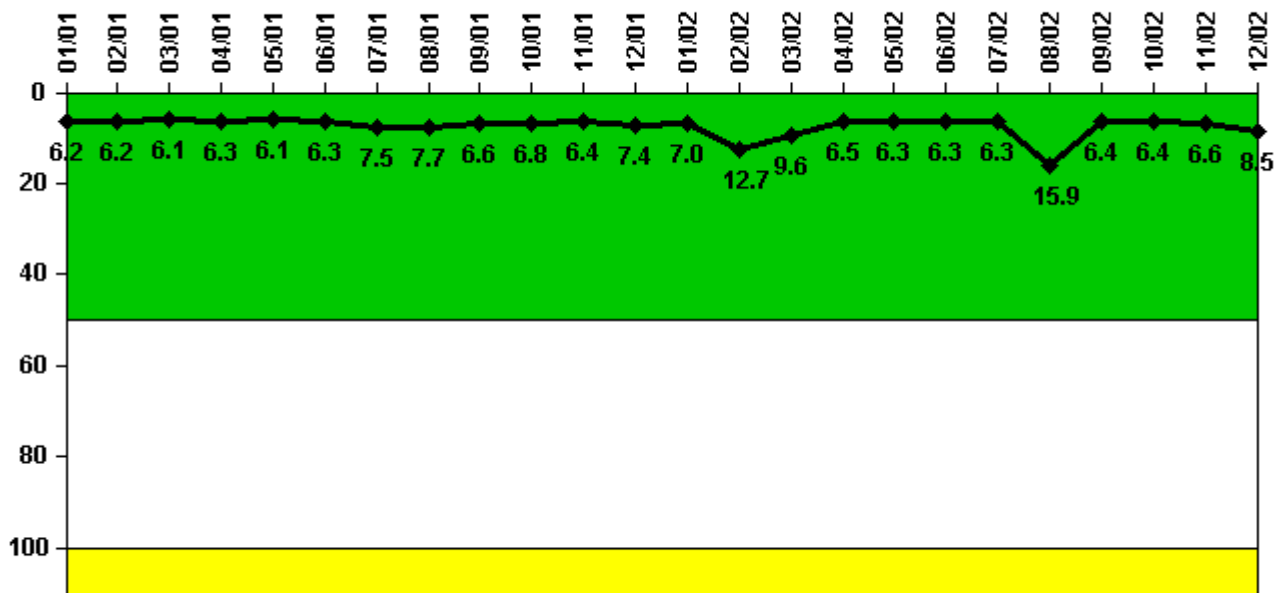
Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0	0.000002	0	0	0	0	0	0	0	0.000002	0	0
Technical specification limit	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0	0	0.000003	0	0.000004	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

12/02: verified 03-jan-2002 sf

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

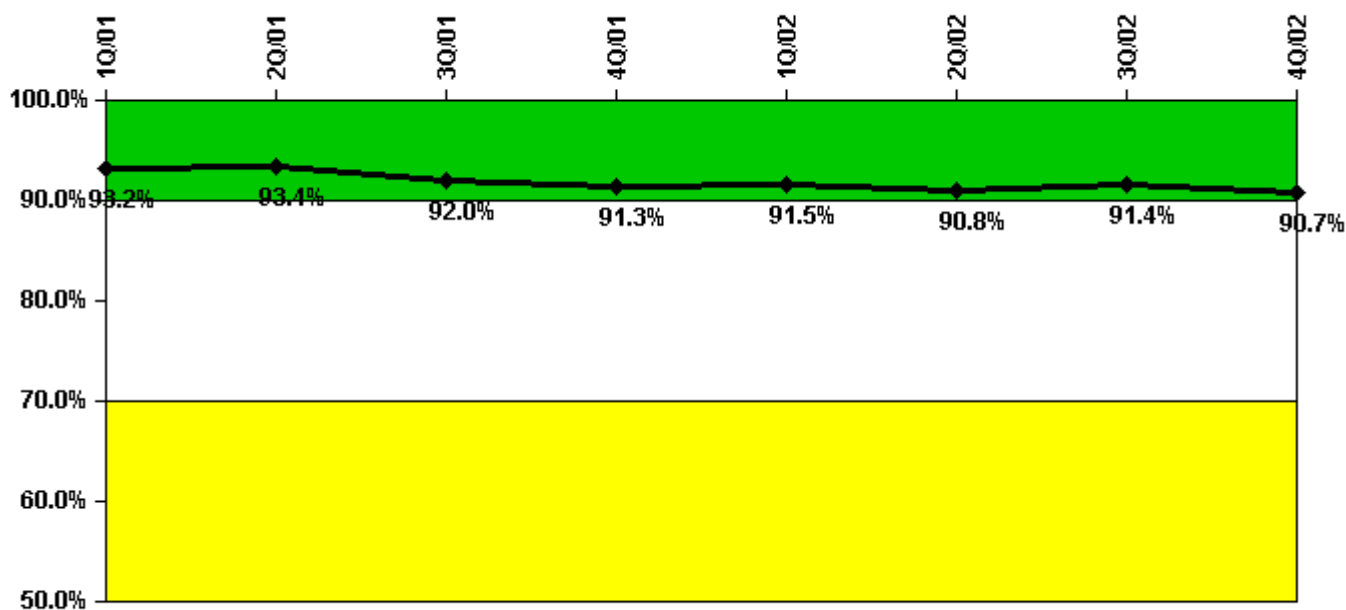
Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	1.550	1.540	1.530	1.580	1.530	1.570	1.880	1.920	1.640	1.690	1.600	1.850
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.2	6.2	6.1	6.3	6.1	6.3	7.5	7.7	6.6	6.8	6.4	7.4

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	1.740	3.170	2.390	1.620	1.580	1.580	1.580	3.980	1.590	1.590	1.640	2.120
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	7.0	12.7	9.6	6.5	6.3	6.3	6.3	15.9	6.4	6.4	6.6	8.5

Licensee Comments:

12/02: Slight increase in Leakage due to Well Water leakage from Drywell Coolers.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

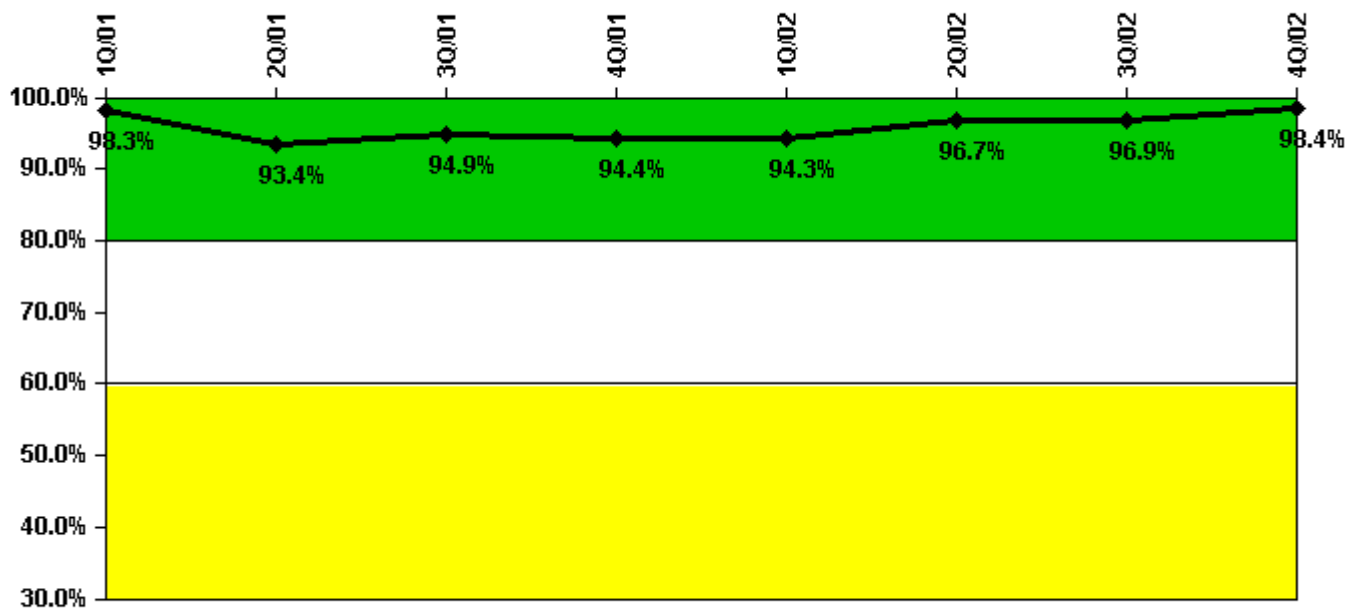
Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	23.0	20.0	30.0	50.0	22.0	61.0	9.0	9.0
Total opportunities	24.0	20.0	35.0	56.0	24.0	67.0	10.0	11.0
Indicator value	93.2%	93.4%	92.0%	91.3%	91.5%	90.8%	91.4%	90.7%

Licensee Comments:

4Q/02: FAQ pending. Classification of "Drill" vs "Actual" criteria.

2Q/01: Licensed Operator Requal Training (LORT) was conducted from February through April 2001. These PI results from LORT were all recorded in April of 2001. This allowed for all of Cycle 2 of LORT to be reported together.

ERO Drill Participation



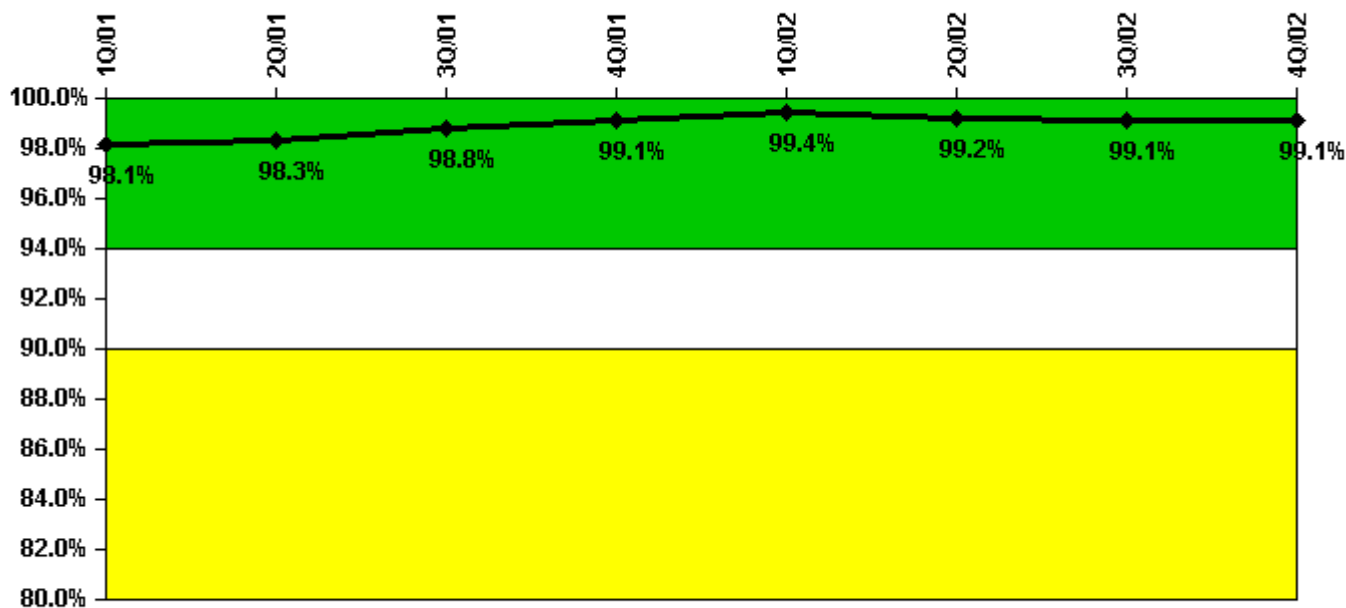
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	59.0	57.0	56.0	51.0	50.0	59.0	62.0	63.0
Total Key personnel	60.0	61.0	59.0	54.0	53.0	61.0	64.0	64.0
Indicator value	98.3%	93.4%	94.9%	94.4%	94.3%	96.7%	96.9%	98.4%

Licensee Comments: none

Alert & Notification System



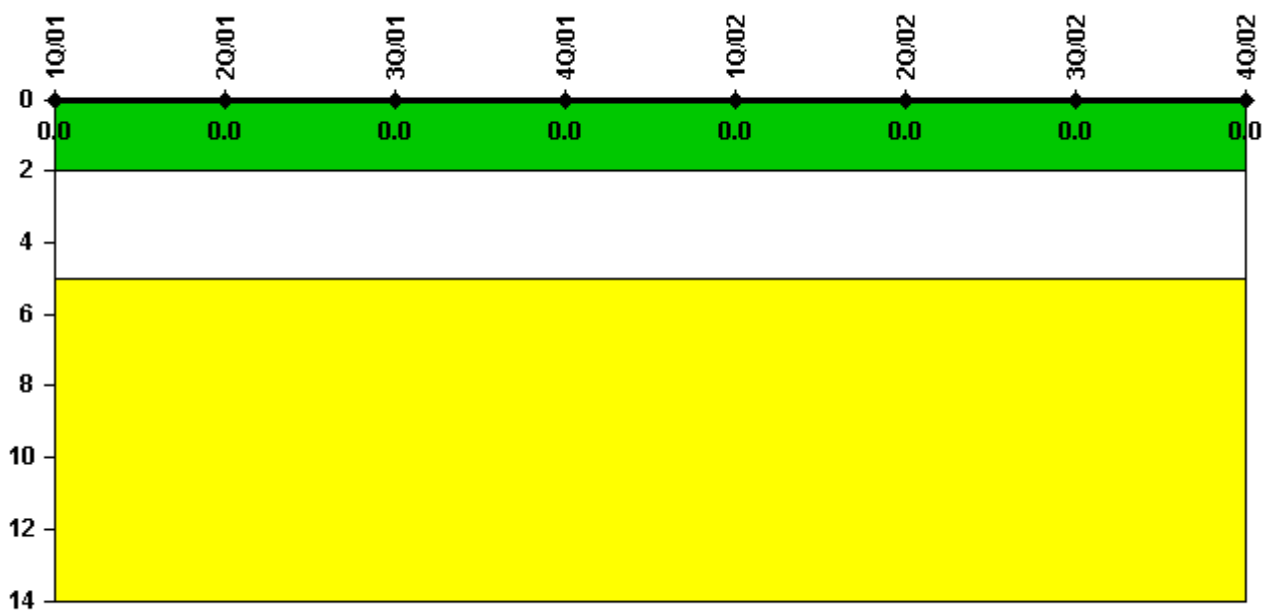
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	422	426	425	427	427	423	424	426
Total sirens-tests	429	429	429	429	429	429	429	429
Indicator value	98.1%	98.3%	98.8%	99.1%	99.4%	99.2%	99.1%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



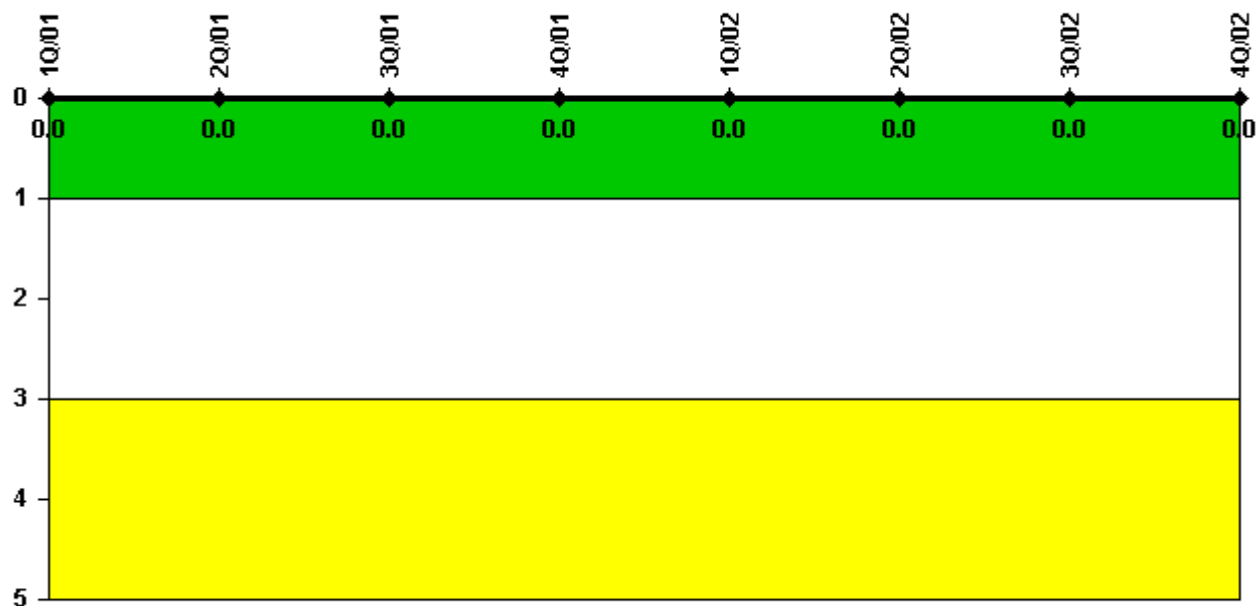
Thresholds: White > 2.0 Yellow > 5.0

Notes

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



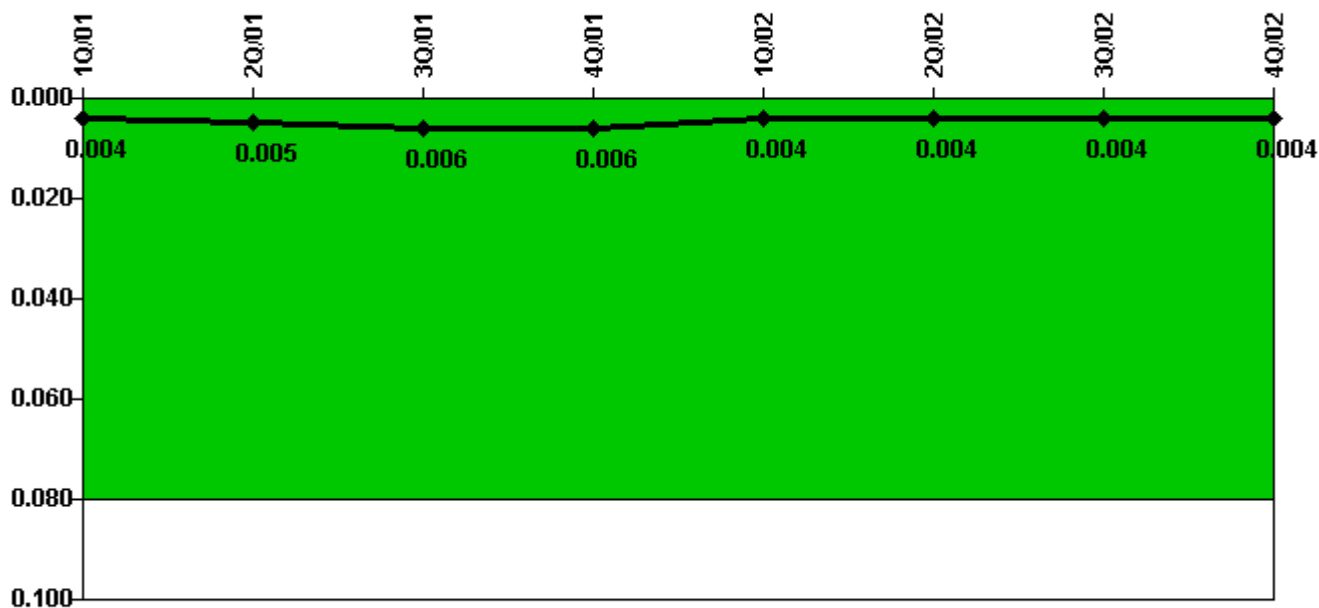
Thresholds: White > 1.0 Yellow > 3.0

Notes

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



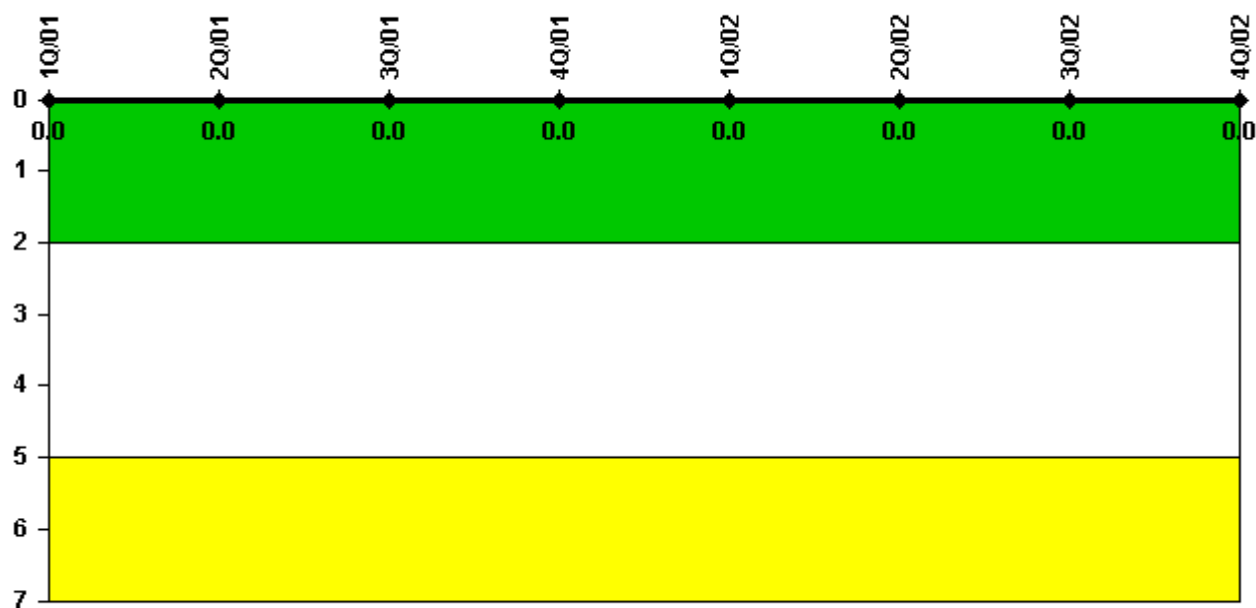
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
IDS compensatory hours	42.49	15.32	33.51	21.52	11.32	6.77	19.93	33.42
CCTV compensatory hours	5.3	0.5	0.3	0	1.5	14.7	2.3	0
IDS normalization factor	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.004	0.005	0.006	0.006	0.004	0.004	0.004	0.004

Licensee Comments: none

Personnel Screening Program



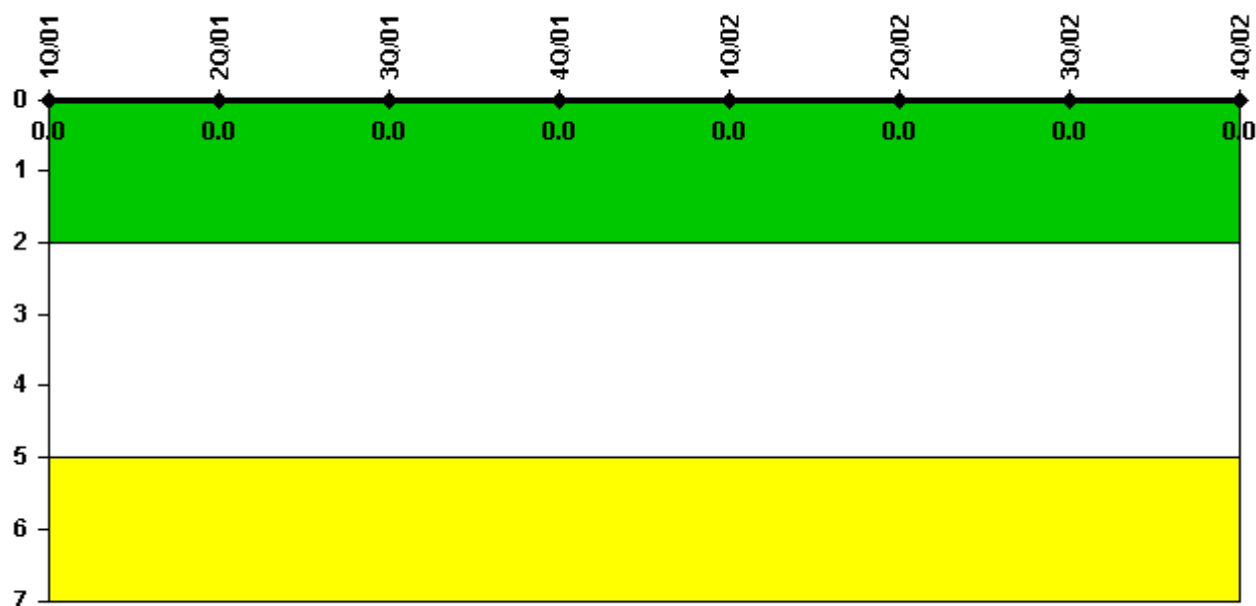
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
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: January 30, 2003