

Calvert Cliffs 2

3Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



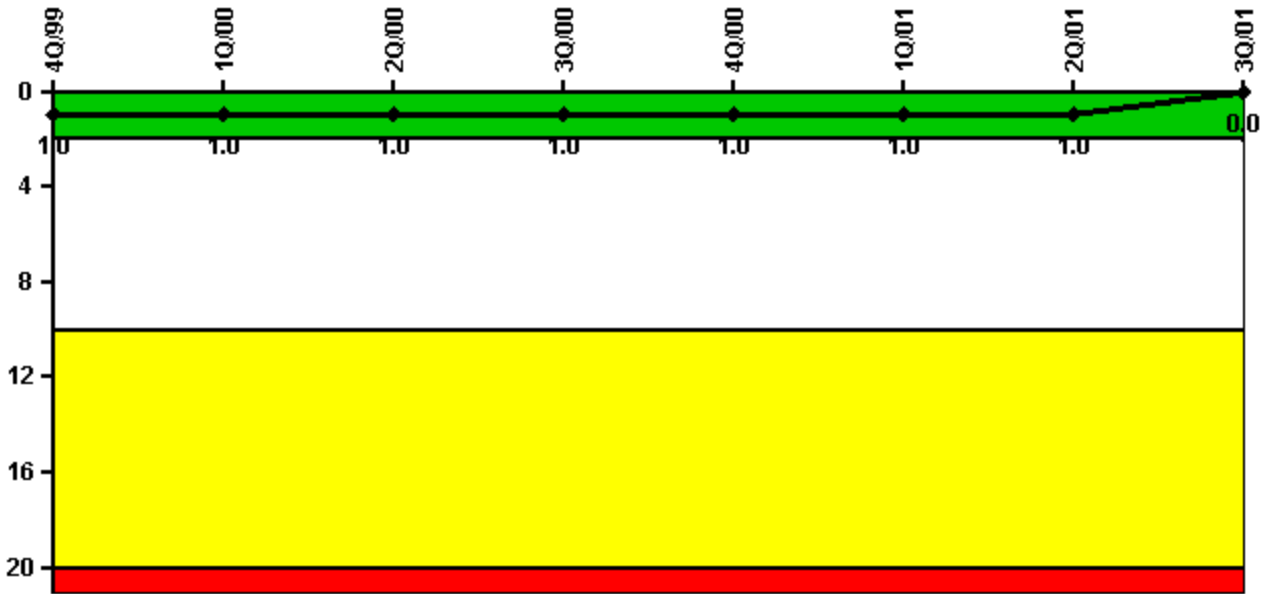
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2019.8	2183.0	2208.0	2209.0	1800.0	1163.4	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



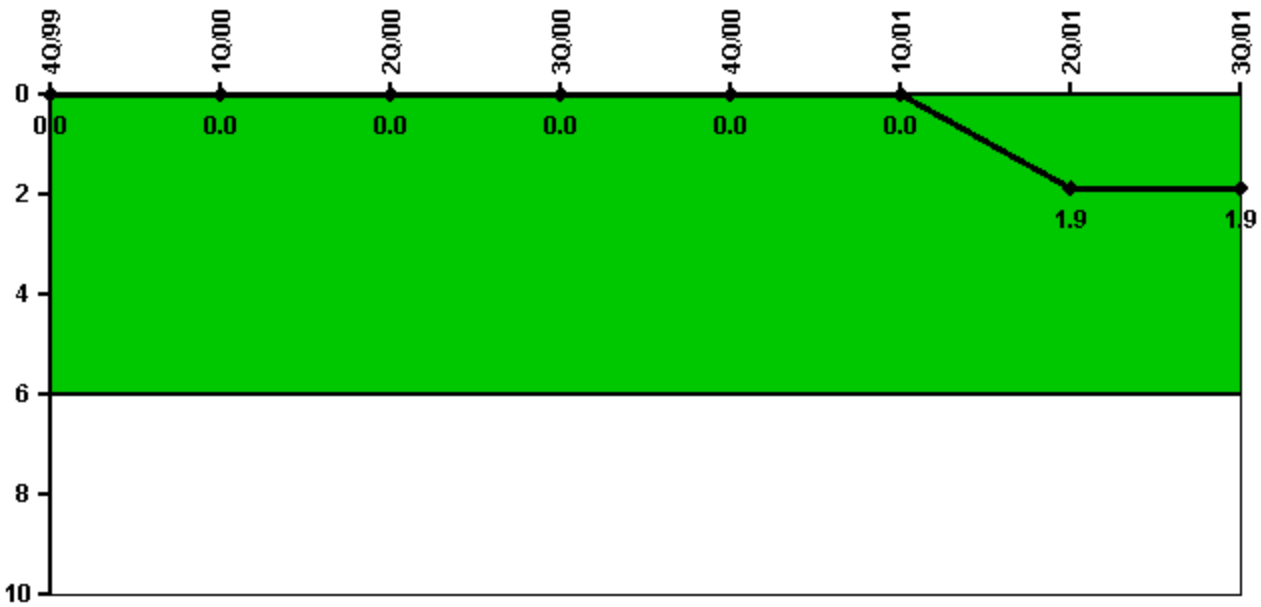
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



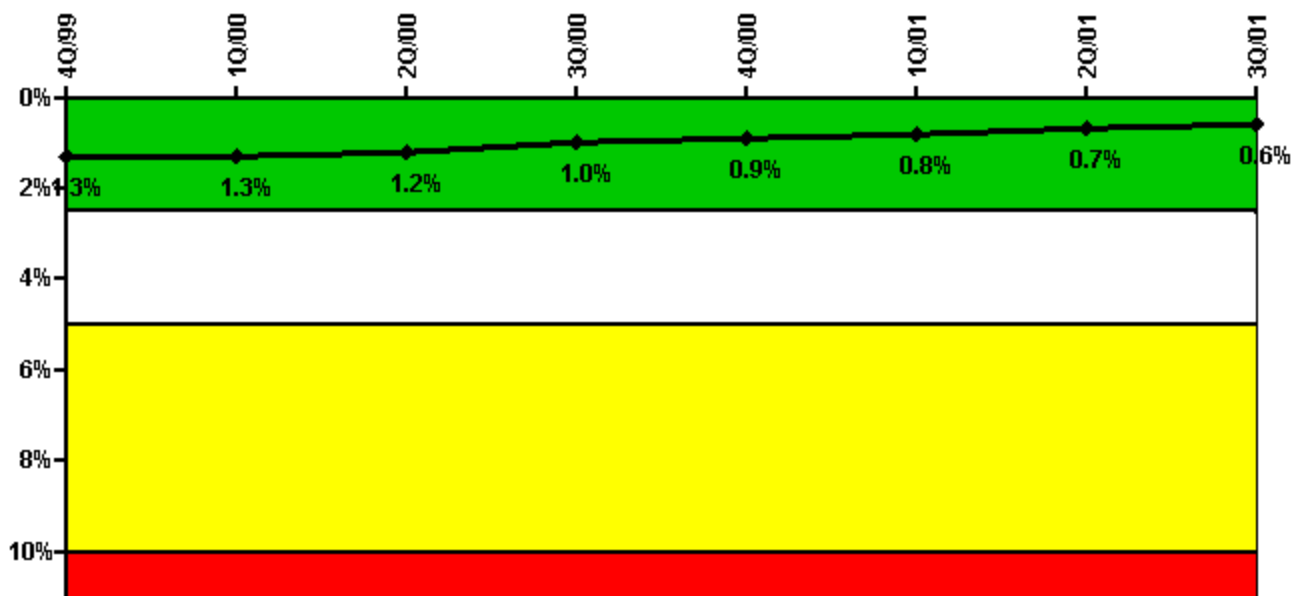
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	0	0	2.0	0
Critical hours	2209.0	2019.8	2183.0	2208.0	2209.0	1800.0	1163.4	2208.0
Indicator value	0	0	0	0	0	0	1.9	1.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



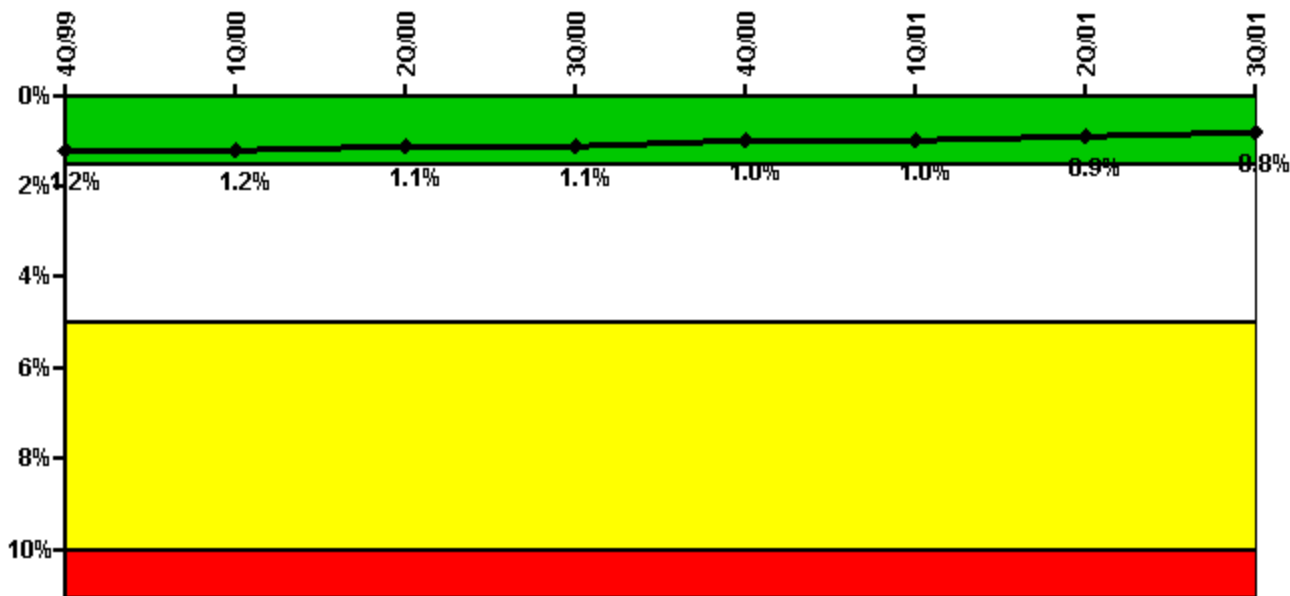
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	2.15	31.00	0	0	0	15.33	0.83	34.50
Unplanned unavailable hours	10.83	0	0	0	0	0	0	17.27
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.12	13.38	0	0	0.50	37.40	0	0
Unplanned unavailable hours	8.40	0	0	0	0	0.25	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.3%	1.3%	1.2%	1.0%	0.9%	0.8%	0.7%	0.6%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



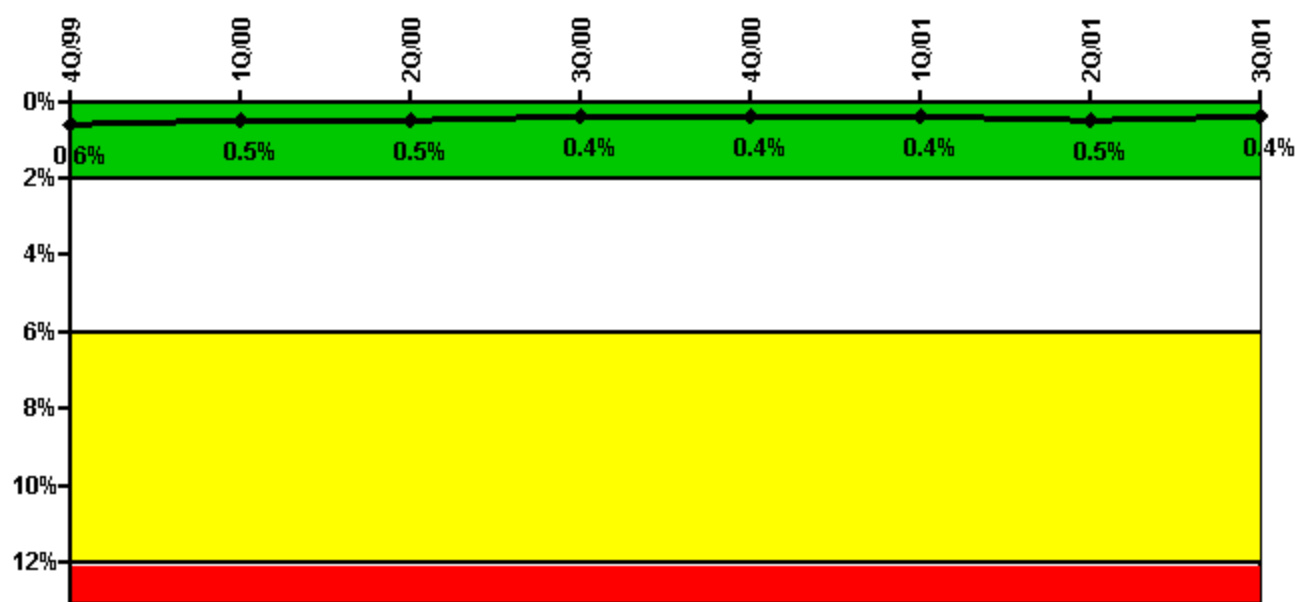
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	18.03	17.50	0.54	1.35	15.63	36.34	1.54	0.27
Unplanned unavailable hours	10.83	0	0	0	7.33	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	2209.00	2019.80	2183.00	2208.00	2209.00	1800.00	1163.30	2208.00
Train 2								
Planned unavailable hours	1.66	12.84	0.62	26.17	1.13	19.27	1.54	17.47
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	2209.00	2019.80	2183.00	2208.00	2209.00	1800.00	1163.30	2208.00
Indicator value	1.2%	1.2%	1.1%	1.1%	1.0%	1.0%	0.9%	0.8%

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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	9.25	1.00	1.00	1.00	2.75	2.33	18.04	8.91
Unplanned unavailable hours	0	5.12	0	0	0	0	0	6.58
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2019.80	2183.00	2208.00	2209.00	1800.00	1163.30	2208.00
Train 2								
Planned unavailable hours	9.25	1.00	1.00	1.00	2.75	2.33	22.28	13.67
Unplanned unavailable hours	0	5.12	0	0	0	0	0	6.58
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2019.80	2183.00	2208.00	2209.00	1800.00	1163.30	2208.00
Train 3								
Planned unavailable hours	11.00	0	1.50	5.23	3.83	0	31.95	38.92
Unplanned unavailable hours	0	0	0	0	0	0	0	0.58
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2019.80	2183.00	2208.00	2209.00	1800.00	1163.30	2208.00
Indicator value	0.6%	0.5%	0.5%	0.4%	0.4%	0.4%	0.5%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



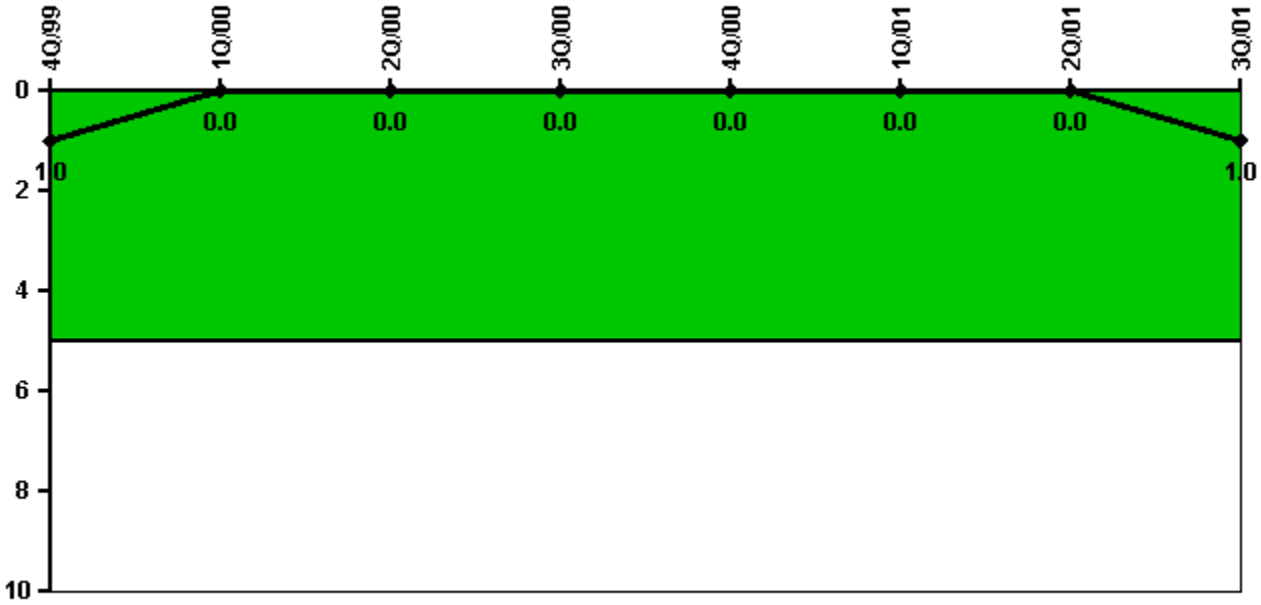
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
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	109.90	0	0	0	336.80	935.40	0
Train 2								
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	109.90	0	0	0	336.80	935.40	0
Train 3								
Planned unavailable hours	26.93	18.60	1.88	1.42	17.30	34.49	4.24	2.62
Unplanned unavailable hours	10.83	0	0	0	7.33	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	2209.00	2074.10	2183.00	2208.00	2209.00	1823.20	1247.60	2208.00
Train 4								
Planned unavailable hours	1.43	15.10	1.36	26.41	2.23	28.40	4.52	22.54
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	2209.00	2074.10	2183.00	2208.00	2209.00	1823.20	1247.60	2208.00
Indicator value	0.9%	0.8%	0.7%	0.7%	0.7%	0.7%	0.6%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



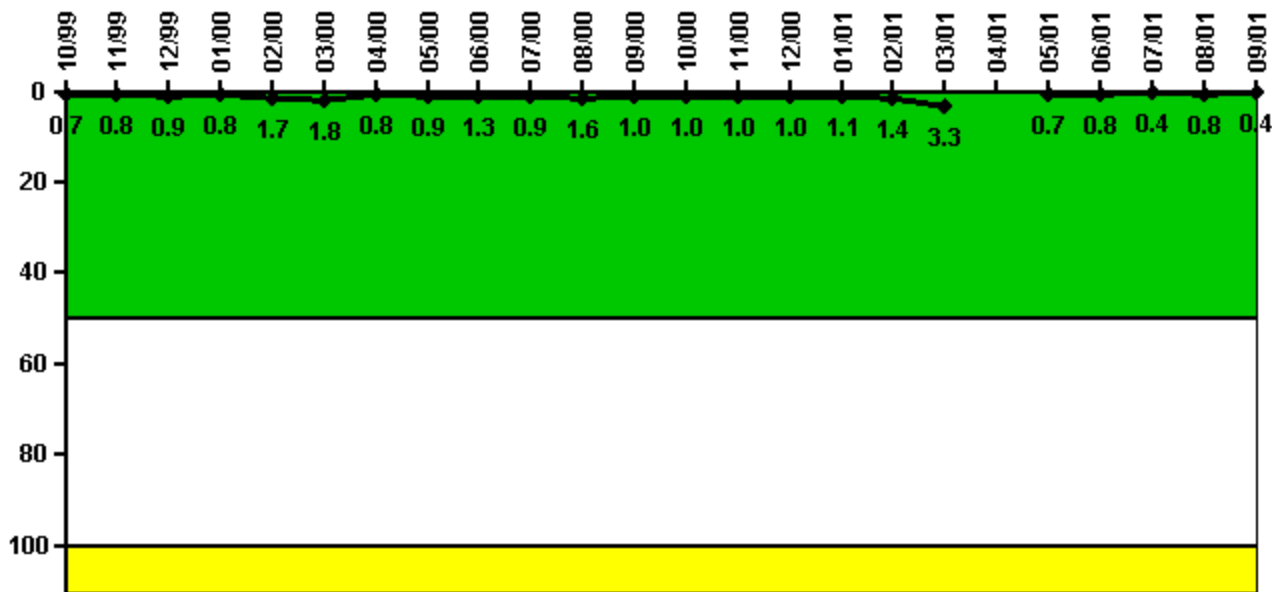
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	1	0	0	0	0	0	0	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

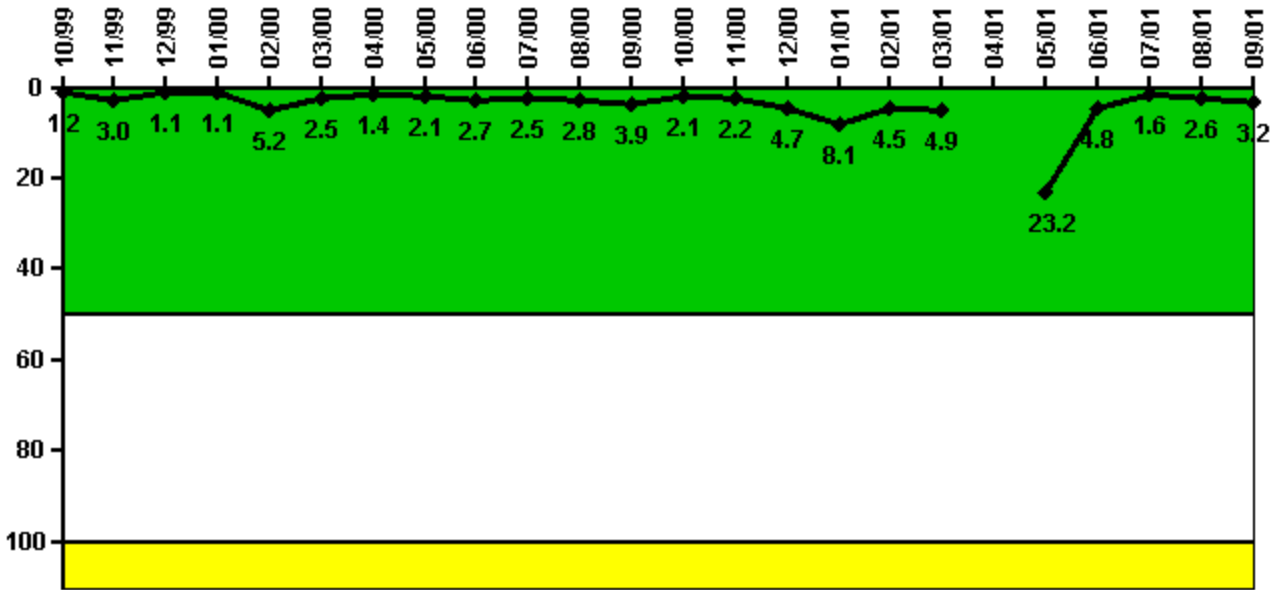
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.006880	0.007570	0.008840	0.008020	0.017200	0.018400	0.008250	0.008750	0.012700	0.008910	0.016400	0.009940
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	0.7	0.8	0.9	0.8	1.7	1.8	0.8	0.9	1.3	0.9	1.6	1.0

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.009960	0.010200	0.010400	0.011200	0.013600	0.032800	N/A	0.007460	0.007800	0.003780	0.007770	0.004230
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	1.0	1.0	1.0	1.1	1.4	3.3	N/A	0.7	0.8	0.4	0.8	0.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

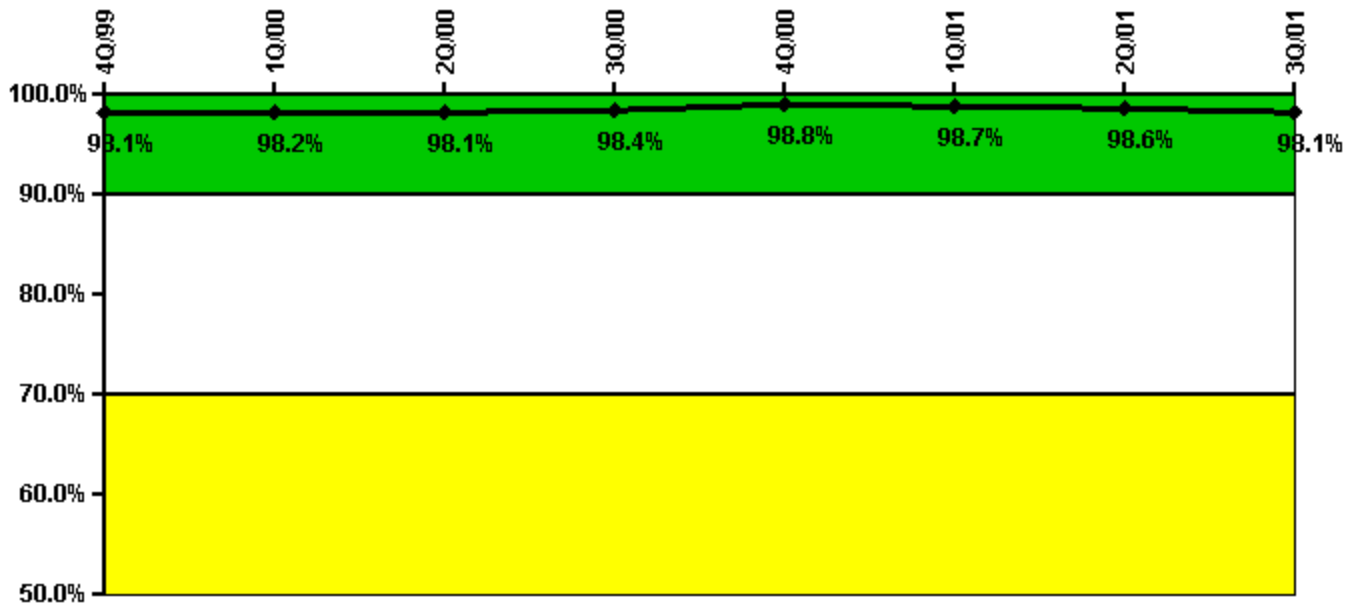
Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.120	0.305	0.110	0.114	0.521	0.254	0.142	0.207	0.267	0.254	0.277	0.393
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	3.0	1.1	1.1	5.2	2.5	1.4	2.1	2.7	2.5	2.8	3.9

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.212	0.224	0.471	0.814	0.450	0.488	N/A	2.320	0.480	0.155	0.260	0.317
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	2.2	4.7	8.1	4.5	4.9	N/A	23.2	4.8	1.6	2.6	3.2

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

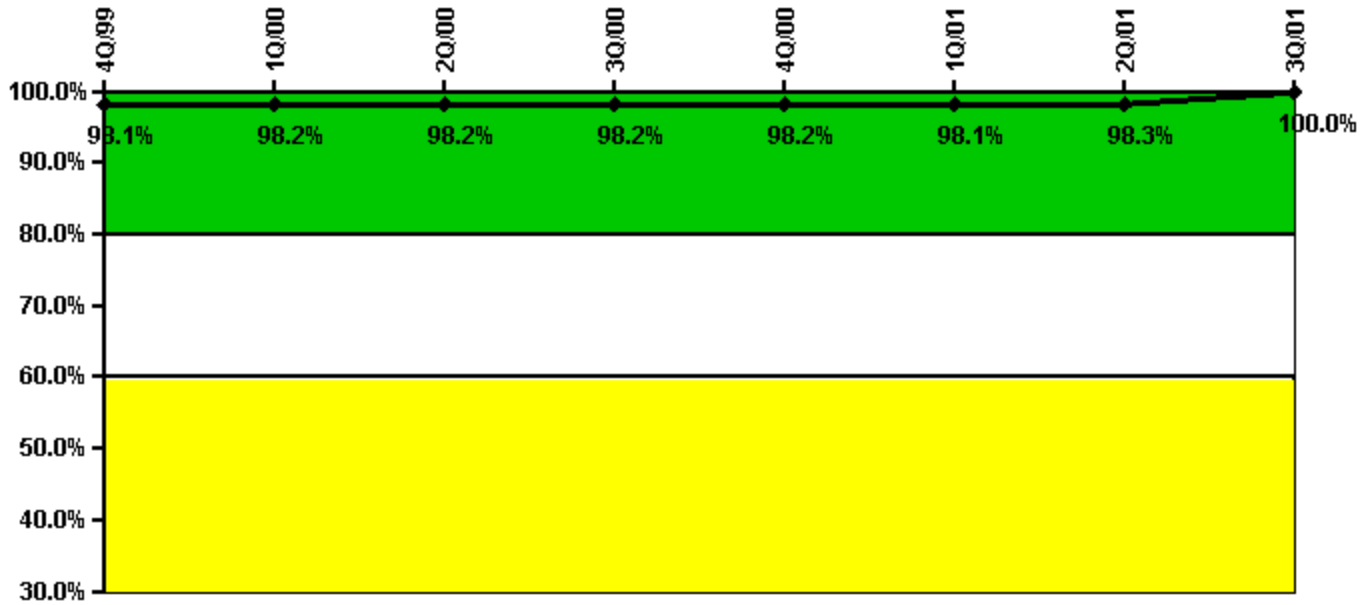
Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	57.0	10.0	19.0	32.0	33.0	11.0	22.0	27.0
Total opportunities	59.0	10.0	19.0	33.0	33.0	11.0	22.0	28.0
Indicator value	98.1%	98.2%	98.1%	98.4%	98.8%	98.7%	98.6%	98.1%

Licensee Comments:

3Q/01: During an NRC Resident Inspector observation of License Operator Requalification Training (LORT) in the plant control room simulator, it was noted that certain scenarios contained more than one opportunity within the simulation. Analysis revealed two scenarios in the LORT library had multiple opportunities. These scenarios were used on 10 occasions in the past 8 quarters, the period over which this indicator is calculated. Although no data exists to evaluate whether these opportunities were performed timely and accurately, a worst case accounting would not cause the color of the indicator to change in any previous reporting period. This issue has been entered into the site corrective action program to prevent recurrence of this data error.

ERO Drill Participation



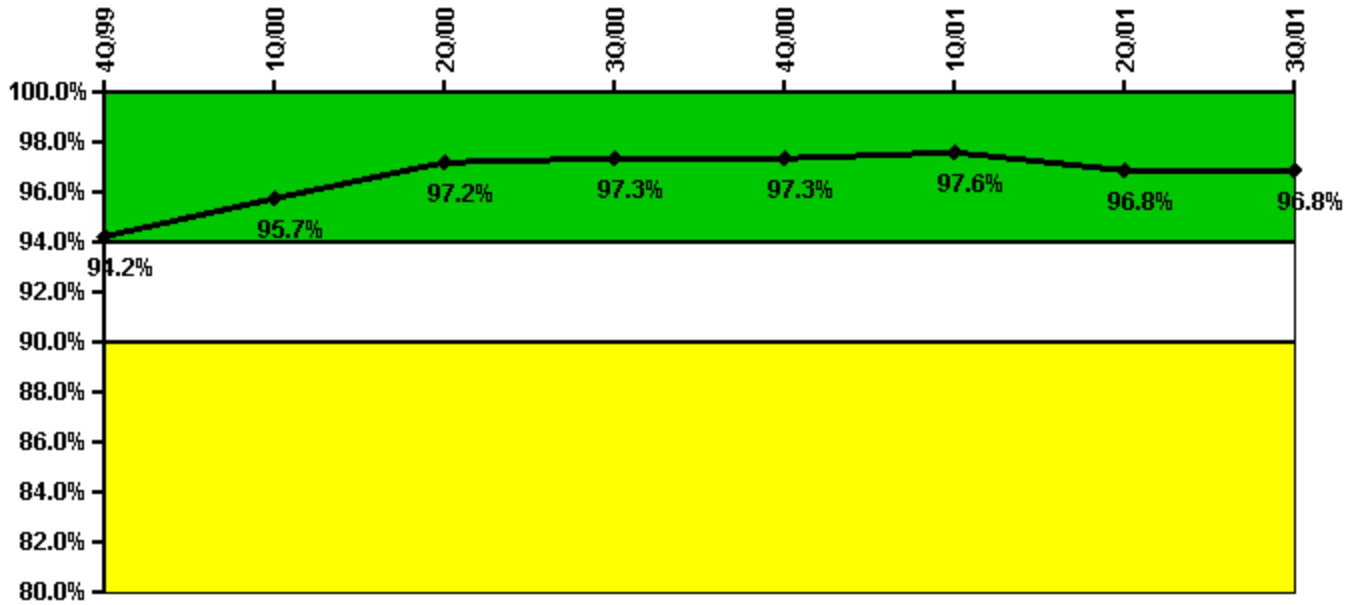
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	52.0	56.0	56.0	55.0	54.0	53.0	59.0	57.0
Total Key personnel	53.0	57.0	57.0	56.0	55.0	54.0	60.0	57.0
Indicator value	98.1%	98.2%	98.2%	98.2%	98.2%	98.1%	98.3%	100.0%

Licensee Comments: none

Alert & Notification System



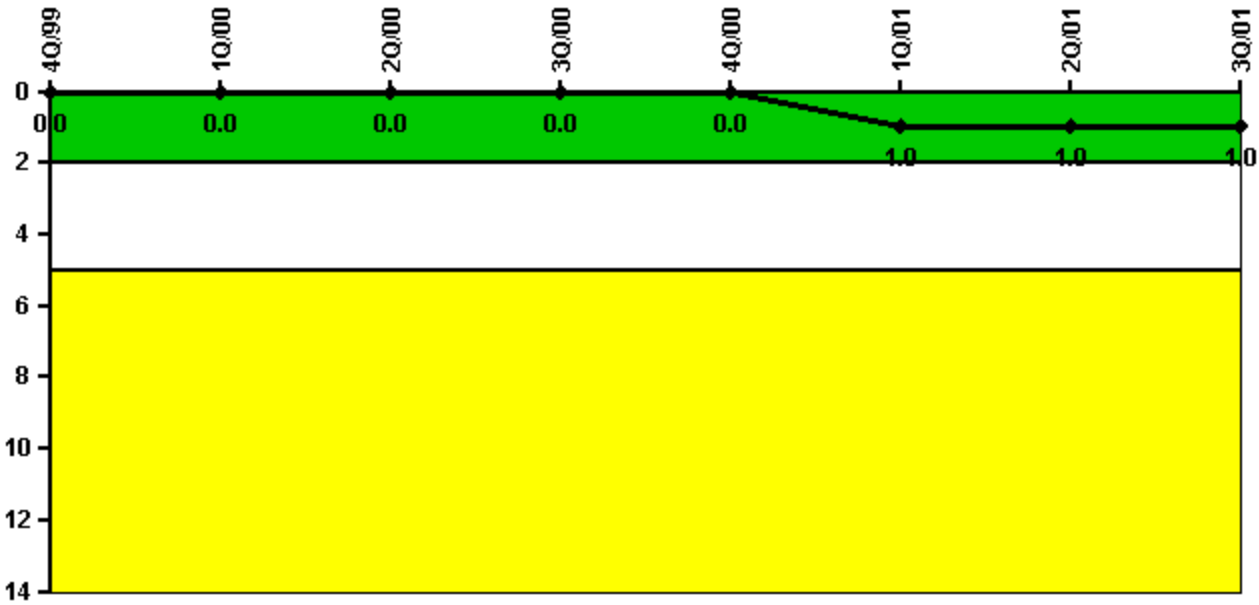
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	861	929	929	906	1039	990	944	969
Total sirens-tests	885	950	955	936	1068	1002	1002	1002
Indicator value	94.2%	95.7%	97.2%	97.3%	97.3%	97.6%	96.8%	96.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



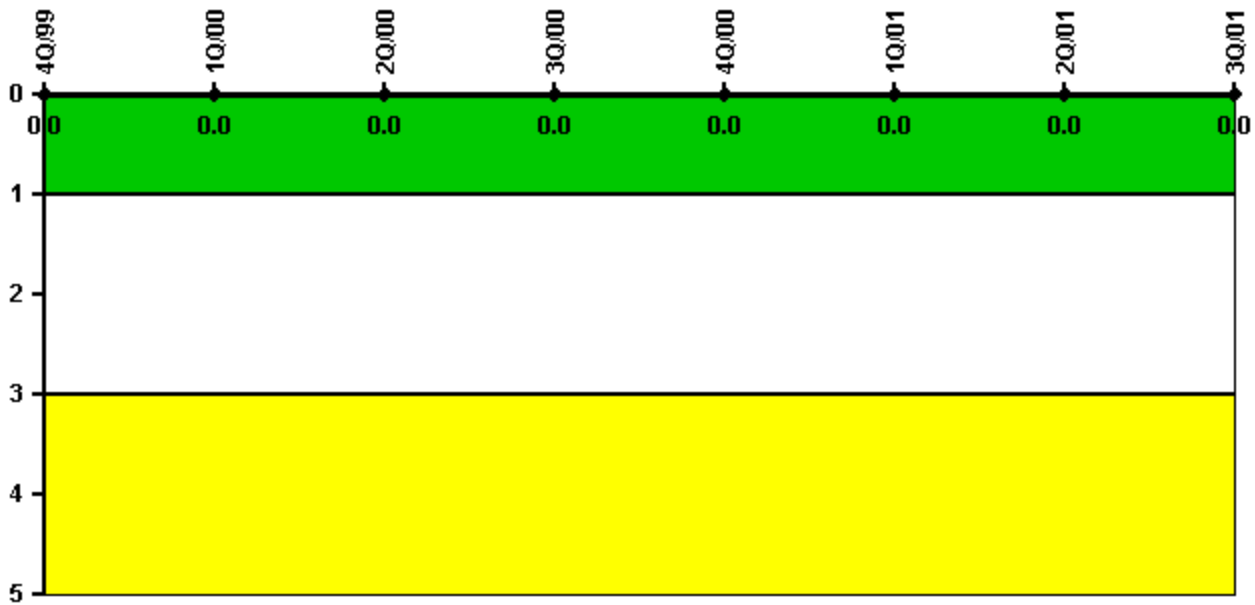
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
High radiation area occurrences	0	0	0	0	0	1	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	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



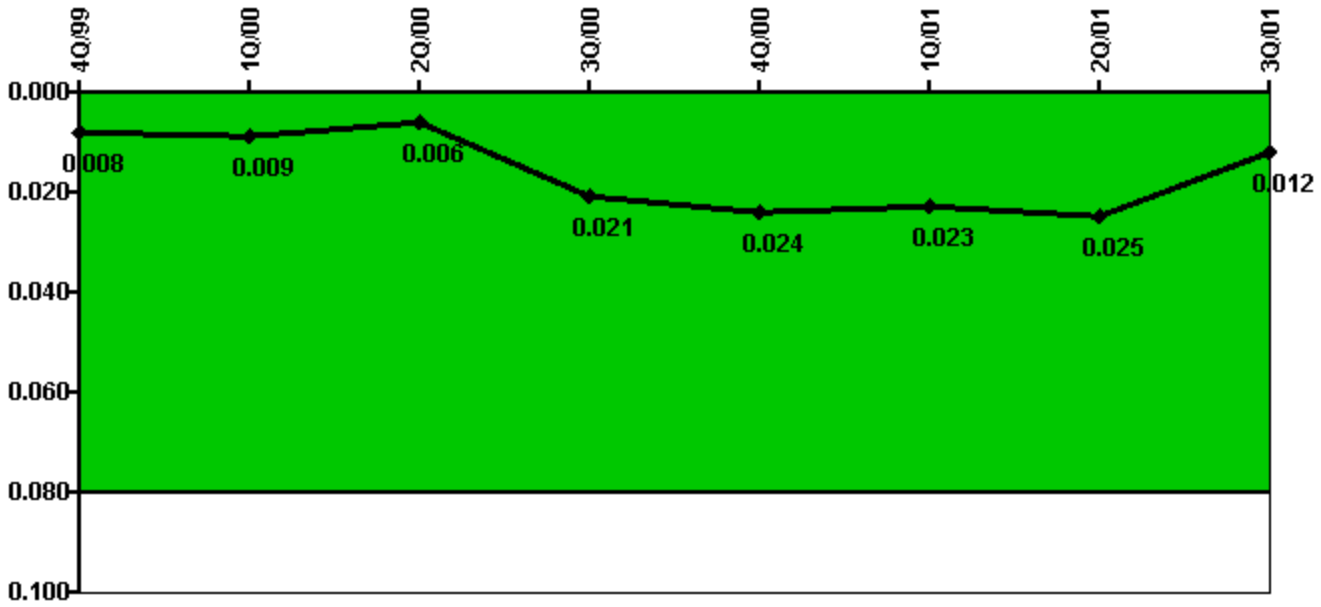
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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



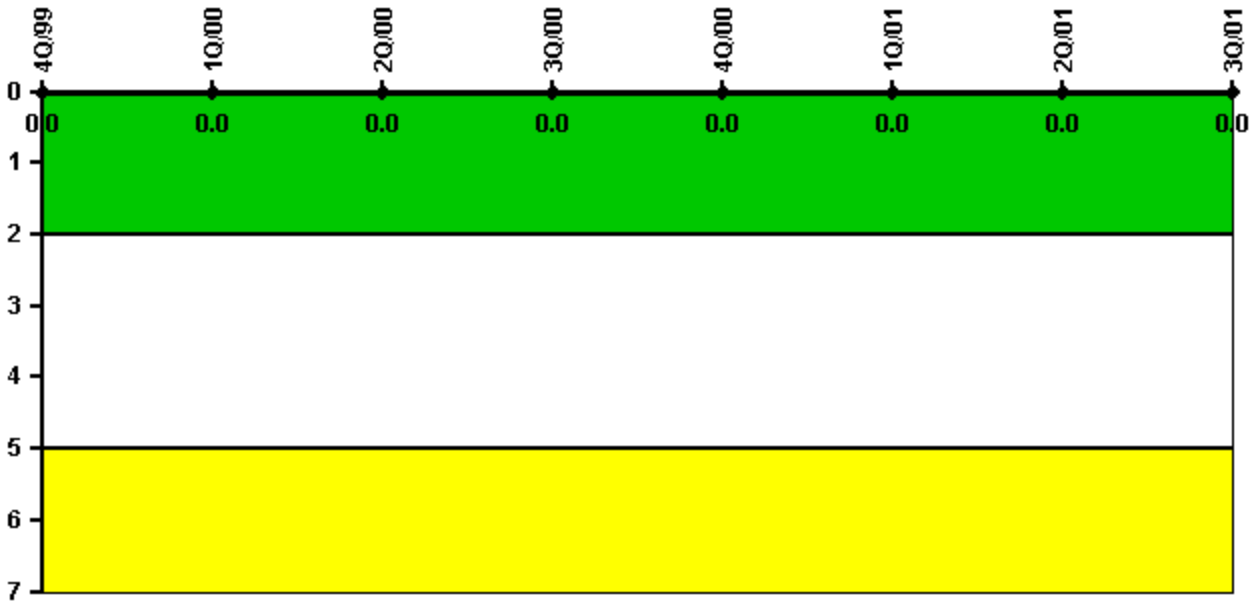
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	50.10	46.00	38.60	390.70	116.70	14.80	85.60	69.60
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Index Value	0.008	0.009	0.006	0.021	0.024	0.023	0.025	0.012

Licensee Comments: none

Personnel Screening Program



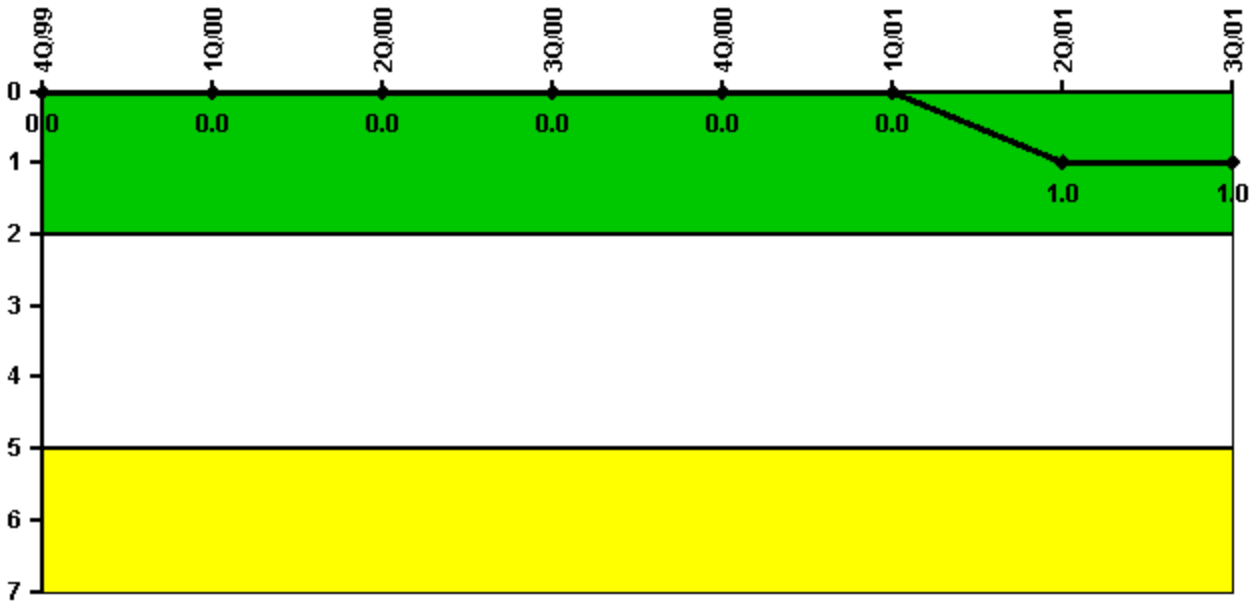
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program Failures	0	0	0	0	0	0	1	0
Indicator value	0	0	0	0	0	0	1	1

Licensee Comments:

3Q/01: A change report affecting previously reported data for 2Q/2001 has been submitted with this quarterly report. This change makes the 2Q/2001 indicator value different than previously reported.

2Q/01: A reportable event occurred in May 2001, which was inadvertently omitted from the 2Q/2001 indicator report. This change does not change the color of the indicator.

▲ [PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 26, 2002