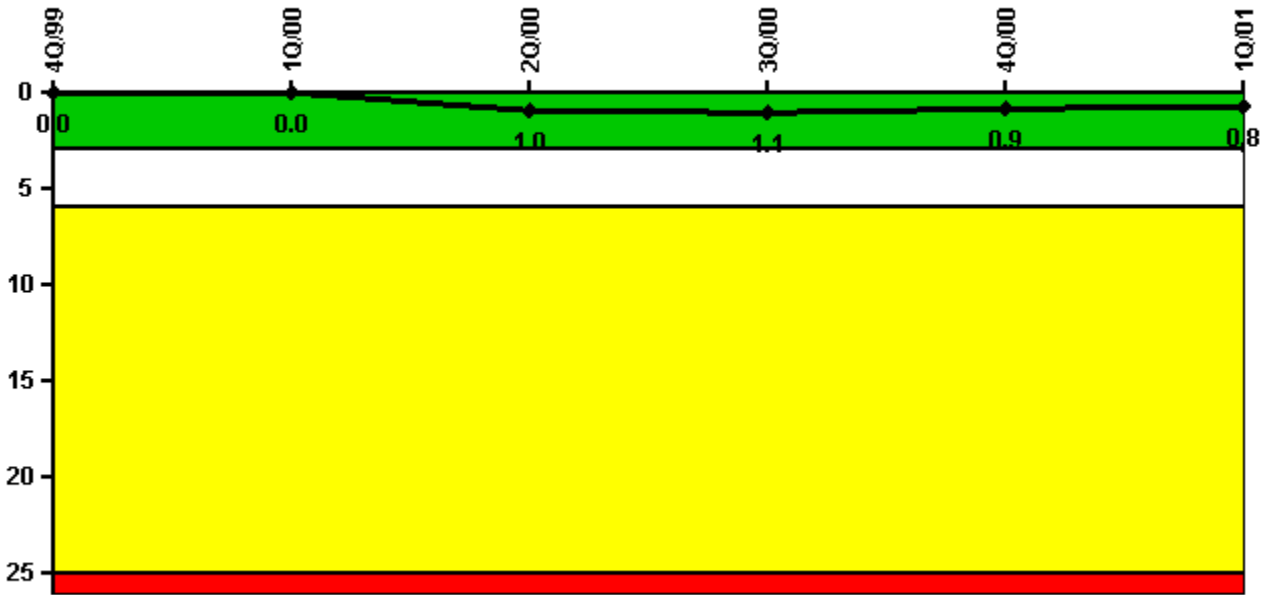


Palisades

1Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



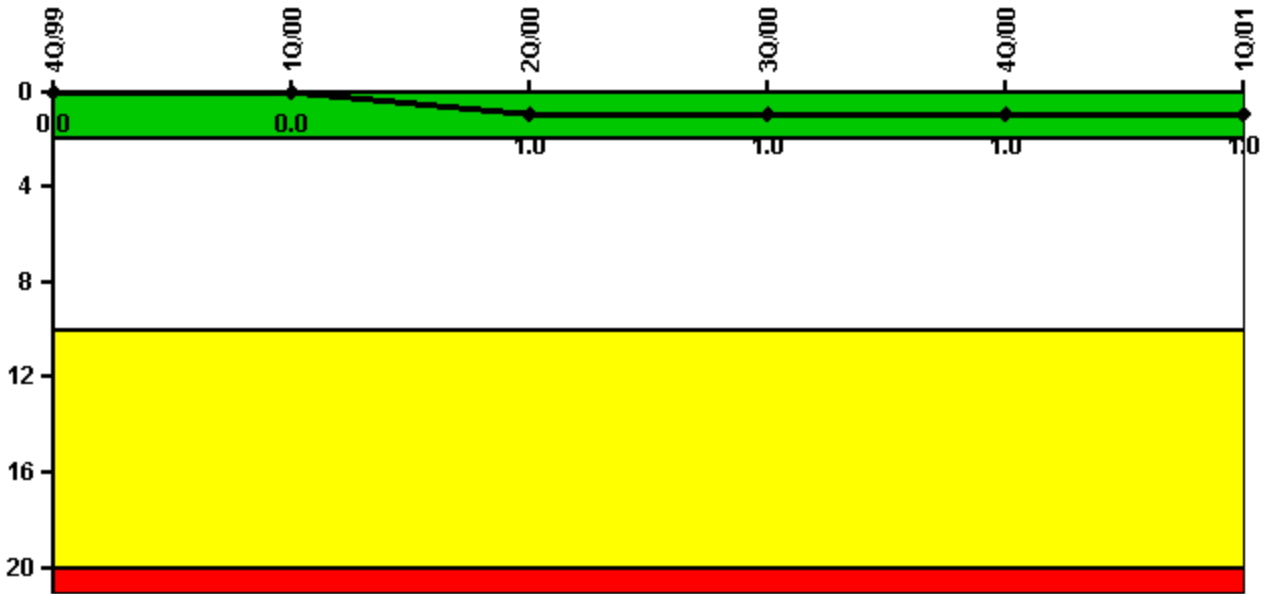
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	1.0	0	0	0
Critical hours	872.7	1619.1	2119.0	1785.0	2209.0	2133.8
Indicator value	0	0	1.0	1.1	0.9	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



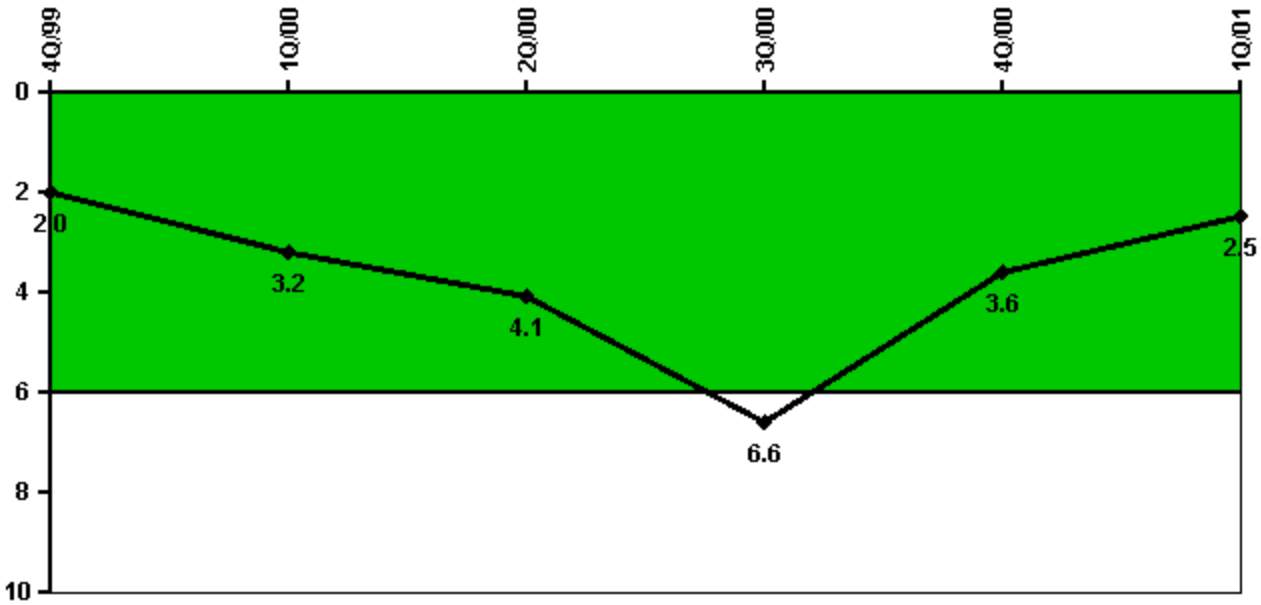
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	1.0	0	0	0
Indicator value	0	0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



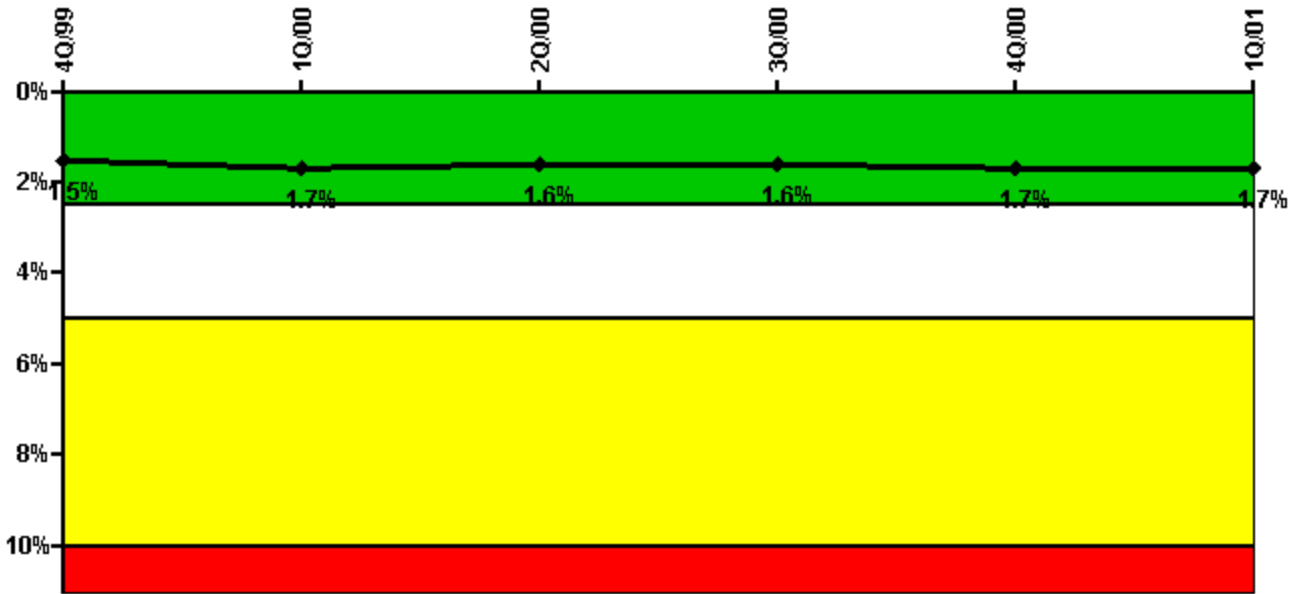
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	2.0	1.0	1.0	2.0	0	0
Critical hours	872.7	1619.1	2119.0	1785.0	2209.0	2133.8
Indicator value	2.0	3.2	4.1	6.6	3.6	2.5

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



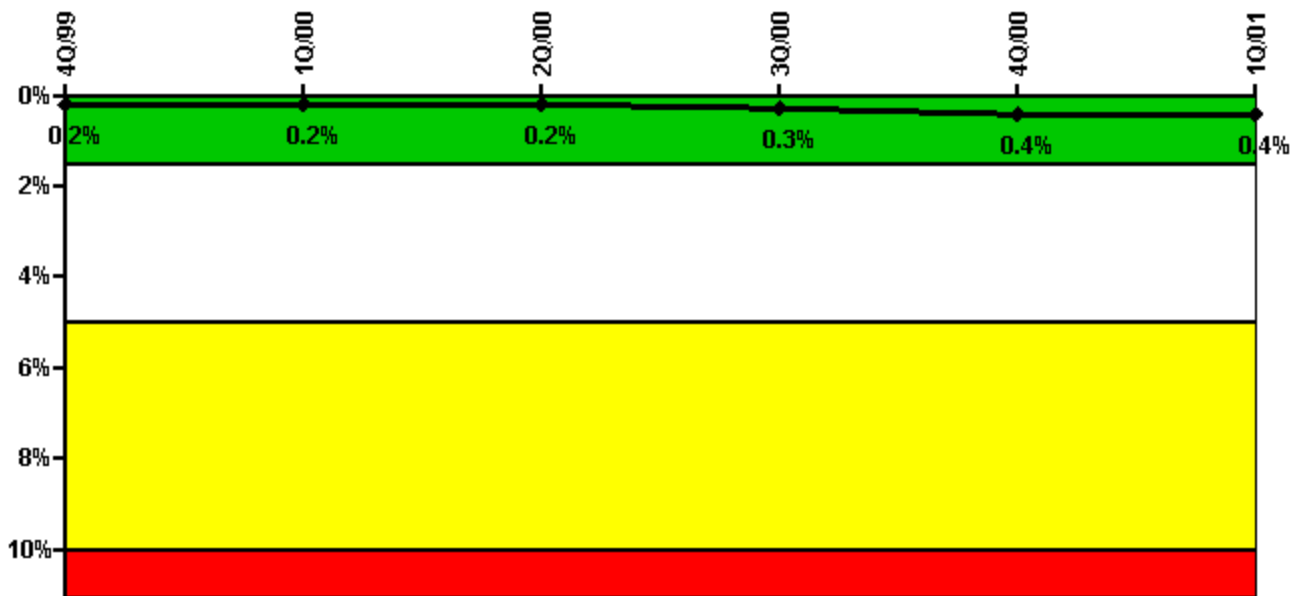
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	42.30	54.12	0.33	0.39	55.88	19.62
Unplanned unavailable hours	34.00	0	17.78	0	49.28	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	0.40	35.05	0.45	0.58	25.68	2.20
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.5%	1.7%	1.6%	1.6%	1.7%	1.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



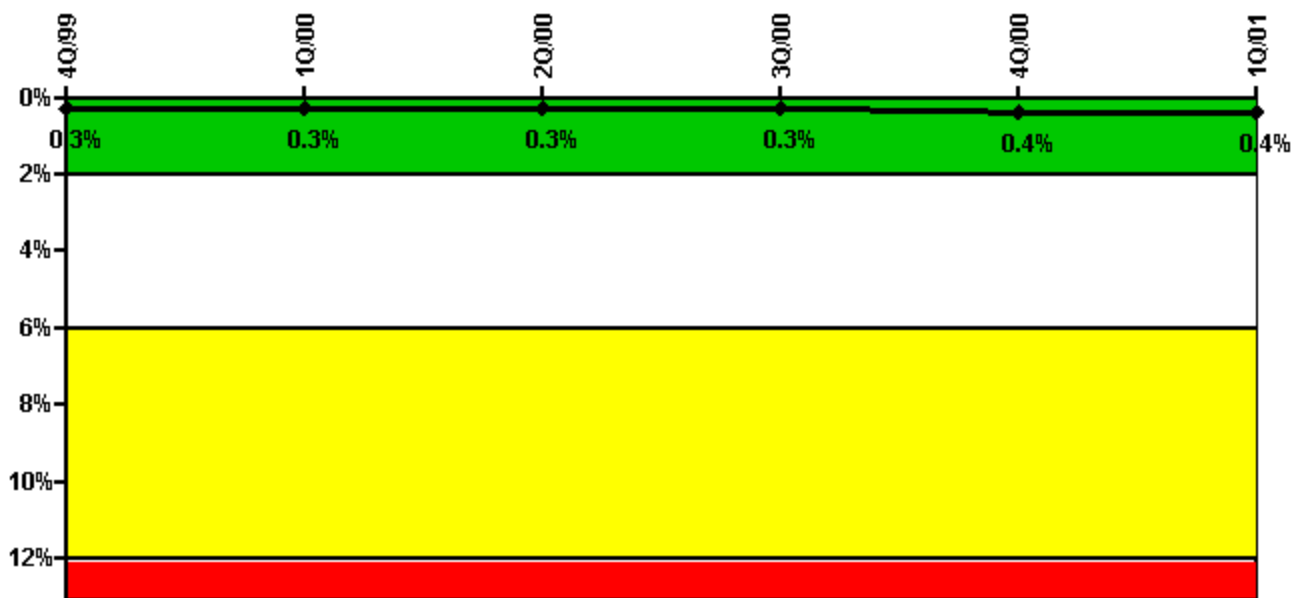
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	2.60	2.10	0.33	25.40	14.52	16.59
Unplanned unavailable hours	0	0	9.89	23.18	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	872.68	1619.10	2183.00	1933.04	2209.00	2146.67
Train 2						
Planned unavailable hours	0	3.26	7.08	0	10.27	3.72
Unplanned unavailable hours	0	0	0	0	0.27	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	872.68	1619.10	2183.00	1933.04	2209.00	2146.67
Indicator value	0.2%	0.2%	0.2%	0.3%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

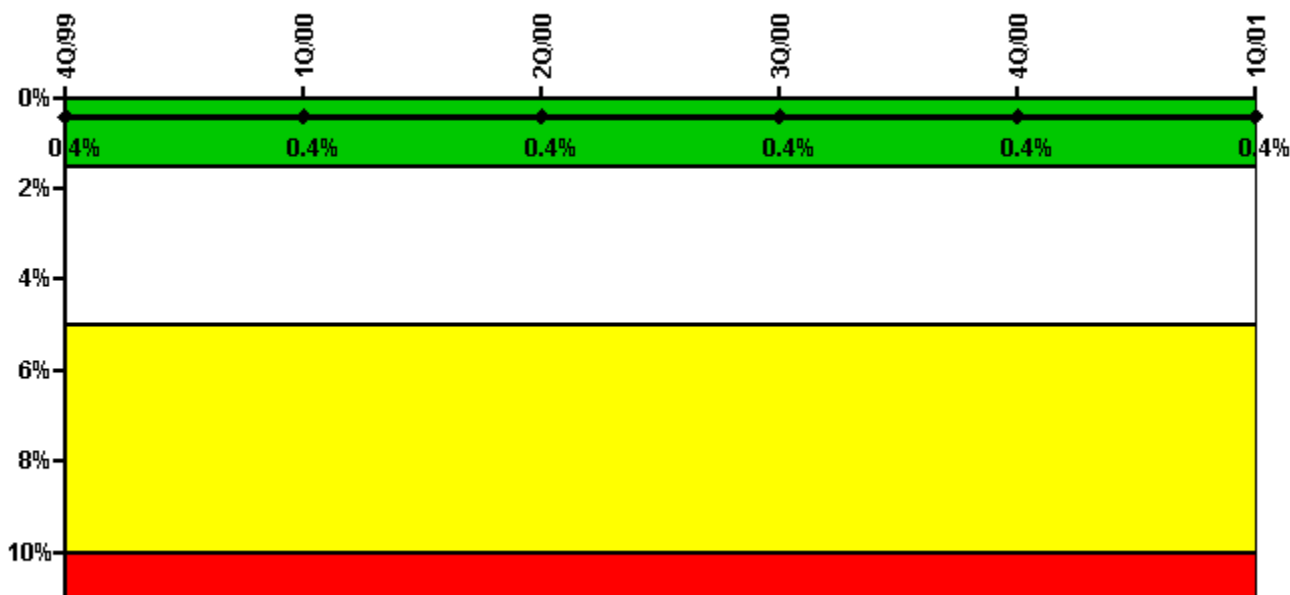
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	3.22	0	0	16.97	36.22	22.06
Unplanned unavailable hours	0	2.92	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	872.68	1619.10	2183.00	1933.00	2209.00	2146.67
Train 2						
Planned unavailable hours	3.27	0	28.35	0.62	5.64	8.90
Unplanned unavailable hours	22.97	2.92	4.08	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	872.68	1619.10	2183.00	1933.00	2209.00	2146.67
Train 3						
Planned unavailable hours	0	0	5.47	18.15	0.77	9.84
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	872.68	1619.10	2183.00	1933.00	2209.00	2146.67
Indicator value	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%

Licensee Comments:

1Q/01: Data corrected in October 2001 for Trains 2 and 3 due to reviews identifying additional 5.1 hours Train 2 unavailability and additional 8.72 hours Train 3 unavailability in March 2001.

Safety System Unavailability, Residual Heat Removal System



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

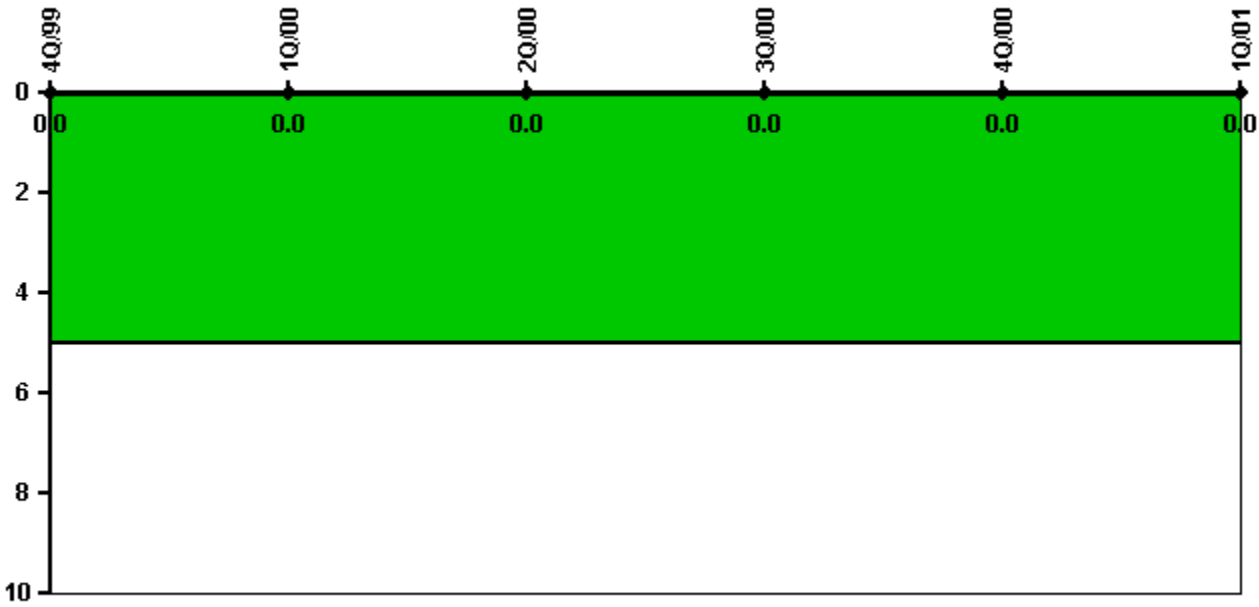
Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0	10.40	0.62	0.60	3.49	1.14
Unplanned unavailable hours	0	0	0.08	0	0	0
Fault exposure hours	57.74	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	1933.04	2209.00	2146.67
Train 2						
Planned unavailable hours	2.82	2.83	0.65	1.80	3.67	1.17
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	1933.04	2209.00	2146.67
Train 3						
Planned unavailable hours	0	10.40	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	57.74	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	0	274.96	0	0
Train 4						
Planned unavailable hours	2.82	2.83	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	0	274.96	0	0

Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



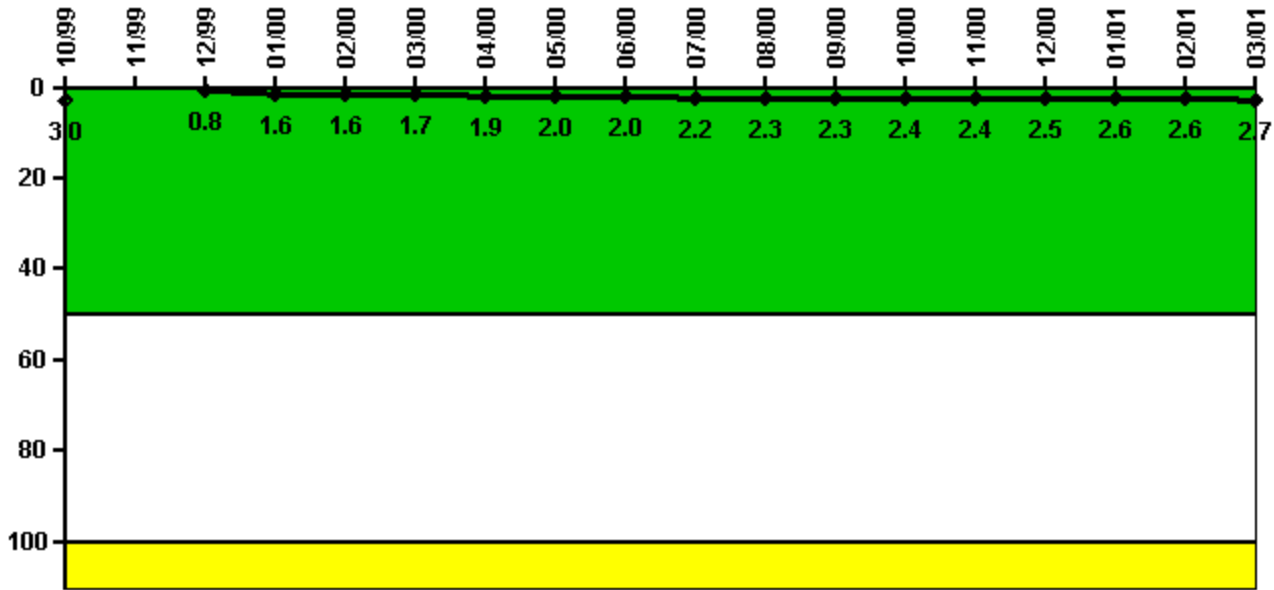
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

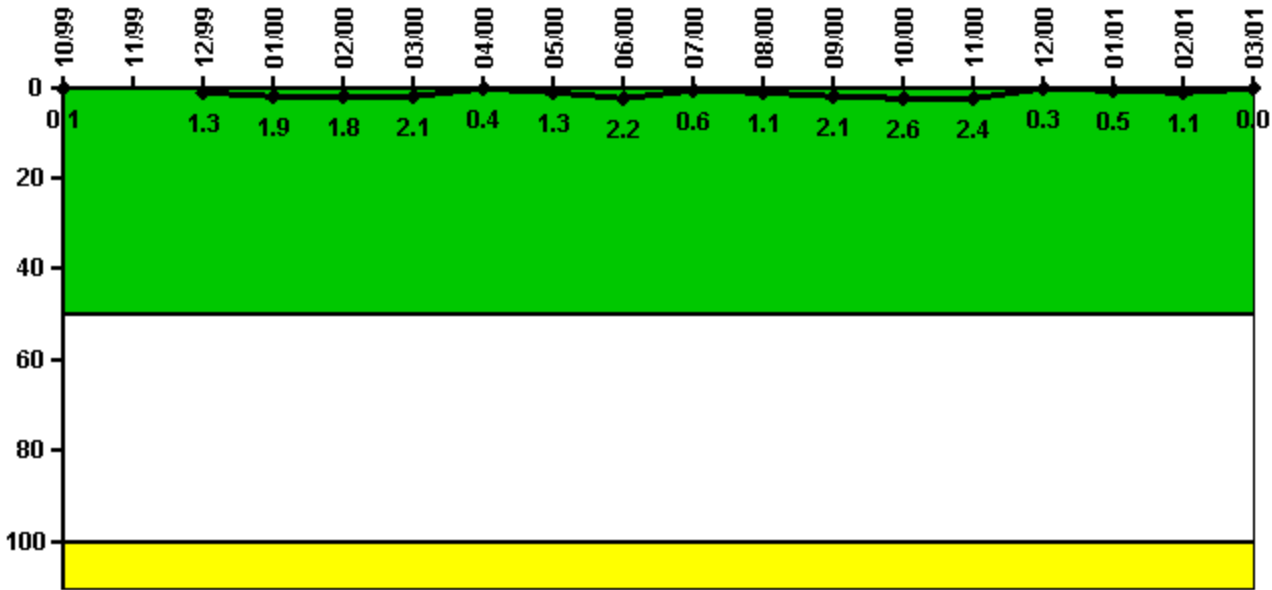
Notes

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	0.030000	N/A	0.008000	0.015700	0.015800	0.016900	0.018800	0.019800	0.020400	0.021600	0.022700	0.022500
Technical specification limit	1.0	N/A	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	3.0	N/A	0.8	1.6	1.6	1.7	1.9	2.0	2.0	2.2	2.3	2.3

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.024000	0.024300	0.024800	0.026300	0.025600	0.026500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	2.4	2.4	2.5	2.6	2.6	2.7

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

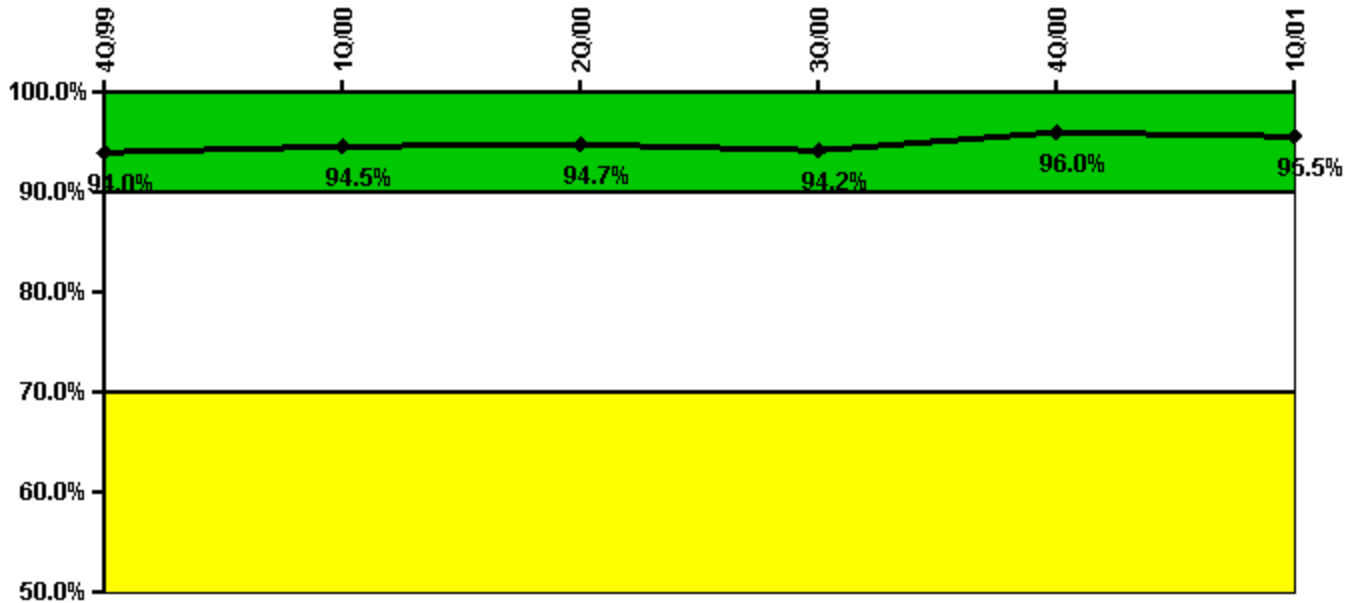
Notes

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	0.010	N/A	0.127	0.187	0.177	0.214	0.041	0.128	0.216	0.060	0.112	0.214
Technical specification limit	10.0	N/A	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	N/A	1.3	1.9	1.8	2.1	0.4	1.3	2.2	0.6	1.1	2.1

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.261	0.241	0.030	0.047	0.112	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.6	2.4	0.3	0.5	1.1	0

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

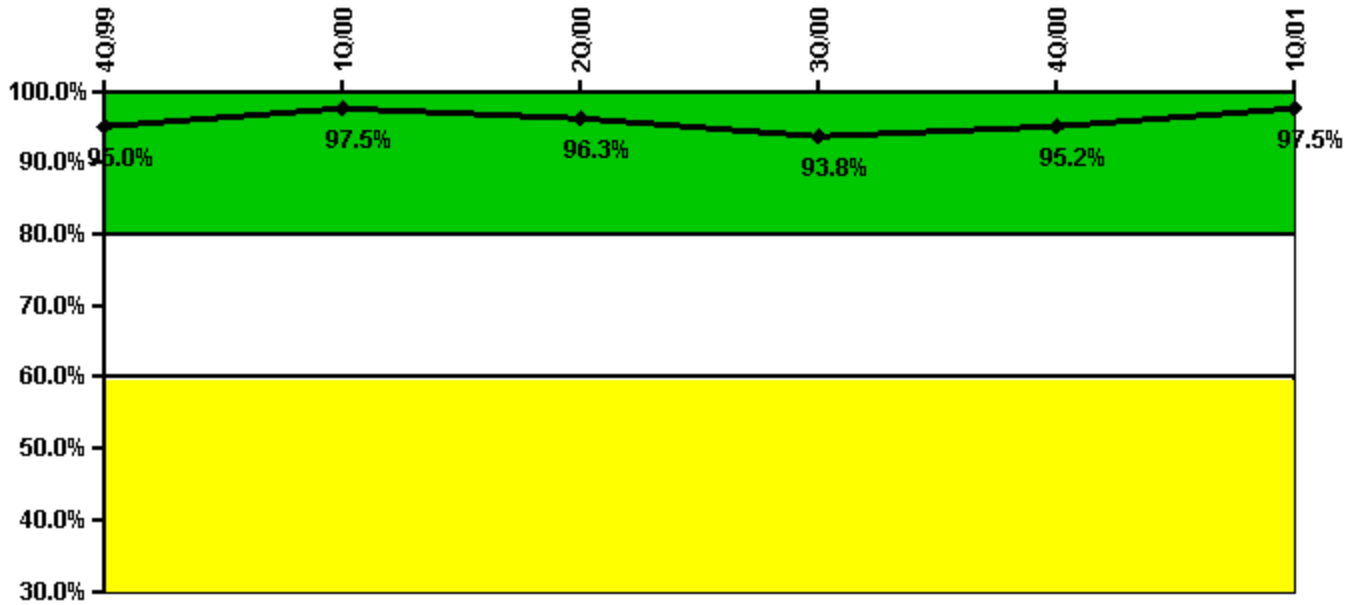
Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	0	14.0	21.0	5.0	10.0	13.0
Total opportunities	0	14.0	22.0	6.0	10.0	14.0
Indicator value	94.0%	94.5%	94.7%	94.2%	96.0%	95.5%

Licensee Comments:

3Q/00: Self-assessment disclosed administrative error in data reduction. Original report of 9 successes for 10 opportunities should have been 5 successes for 6 opportunities. Change has no effect on PI color.

1Q/00: Self-assessment disclosed that three opportunities/successes had been credited for other than initial classification/notifications. The revised number reflects the reduction (17 to 14). This has negligible effect on the PI value.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

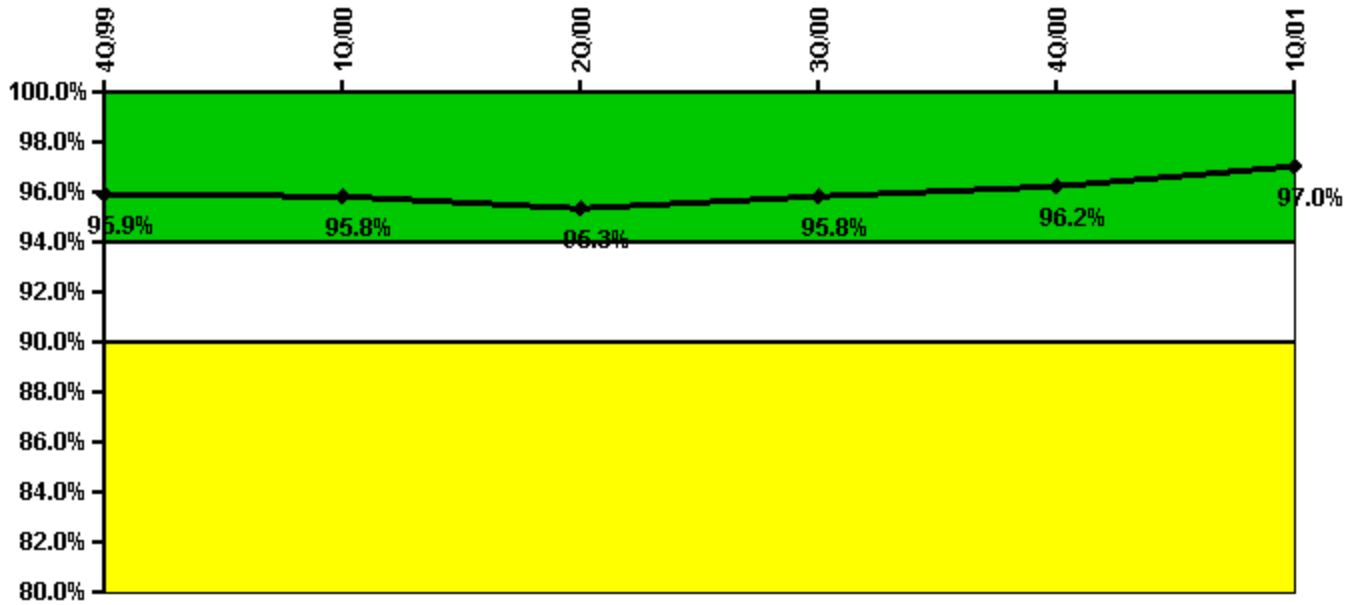
Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	76.0	79.0	78.0	76.0	79.0	78.0
Total Key personnel	80.0	81.0	81.0	81.0	83.0	80.0
Indicator value	95.0%	97.5%	96.3%	93.8%	95.2%	97.5%

Licensee Comments:

4Q/00: Self-assessment disclosed administrative error in data reduction. Original report of 80 of 83 members meeting standard should have been 79 of 83. No effect on PI color.

Alert & Notification System



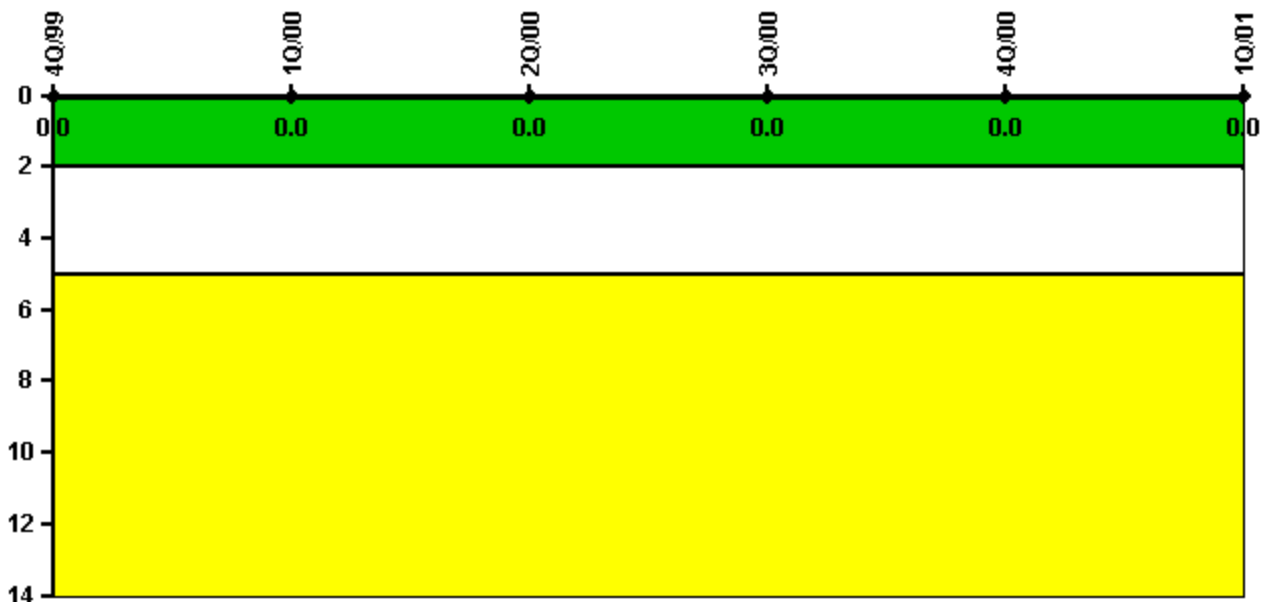
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	211	203	239	244	246	249
Total sirens-tests	219	213	252	252	252	252
Indicator value	95.9%	95.8%	95.3%	95.8%	96.2%	97.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



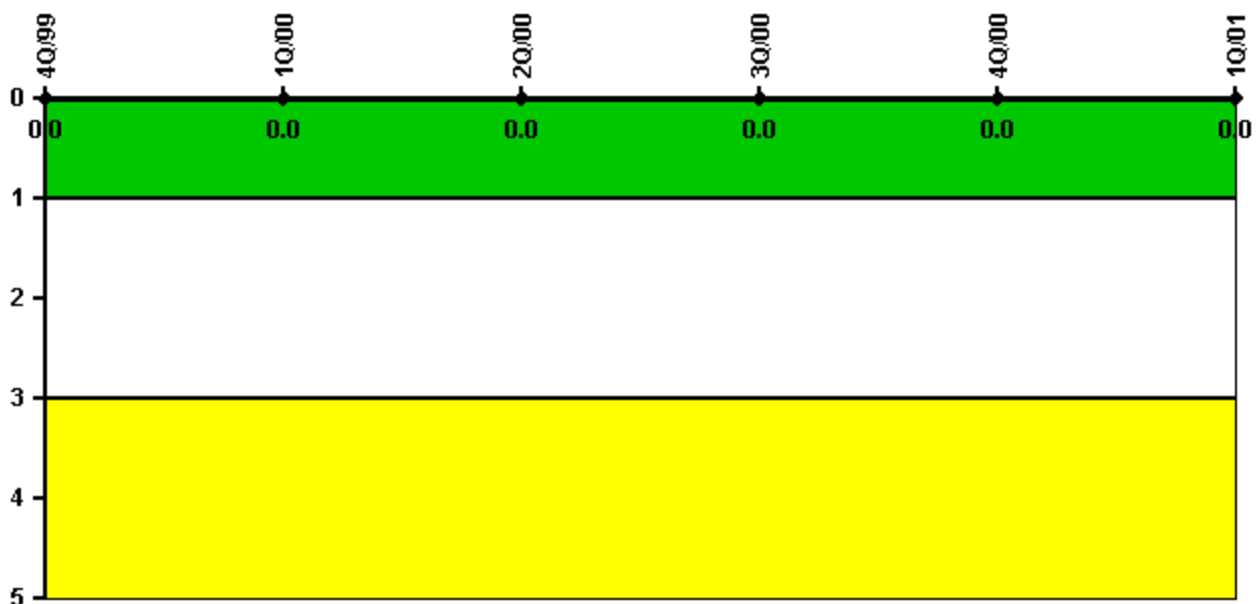
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



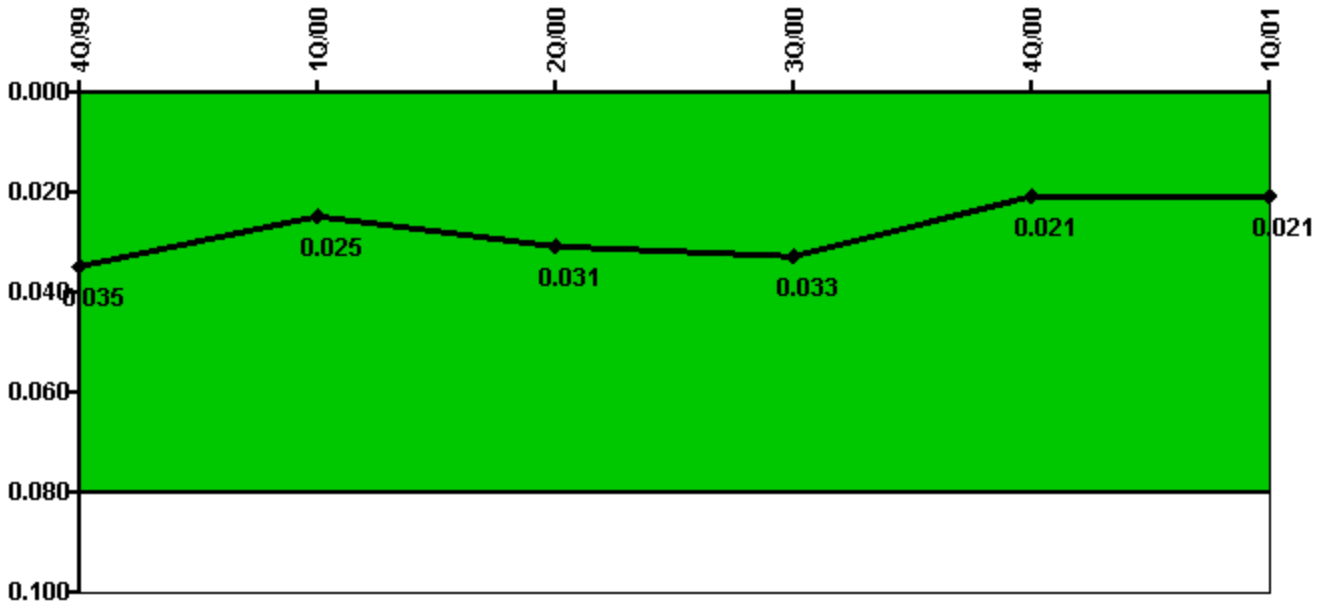
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	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
IDS compensatory hours	499.15	57.81	201.00	81.82	196.99	64.37
CCTV compensatory hours	0	0	0	0	0	0
IDS normalization factor	1.45	1.45	1.45	1.45	1.45	1.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.035	0.025	0.031	0.033	0.021	0.021

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
Program failures	0	0	0	0	0	0
Indicator value	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
Program Failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 28, 2002