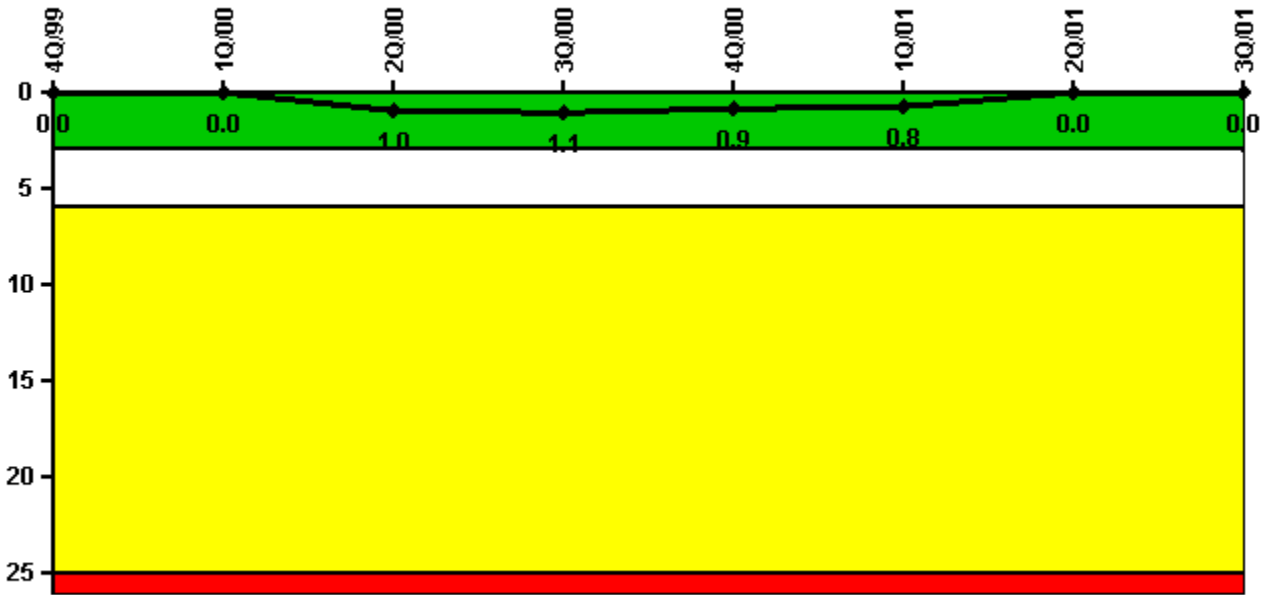


Palisades

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

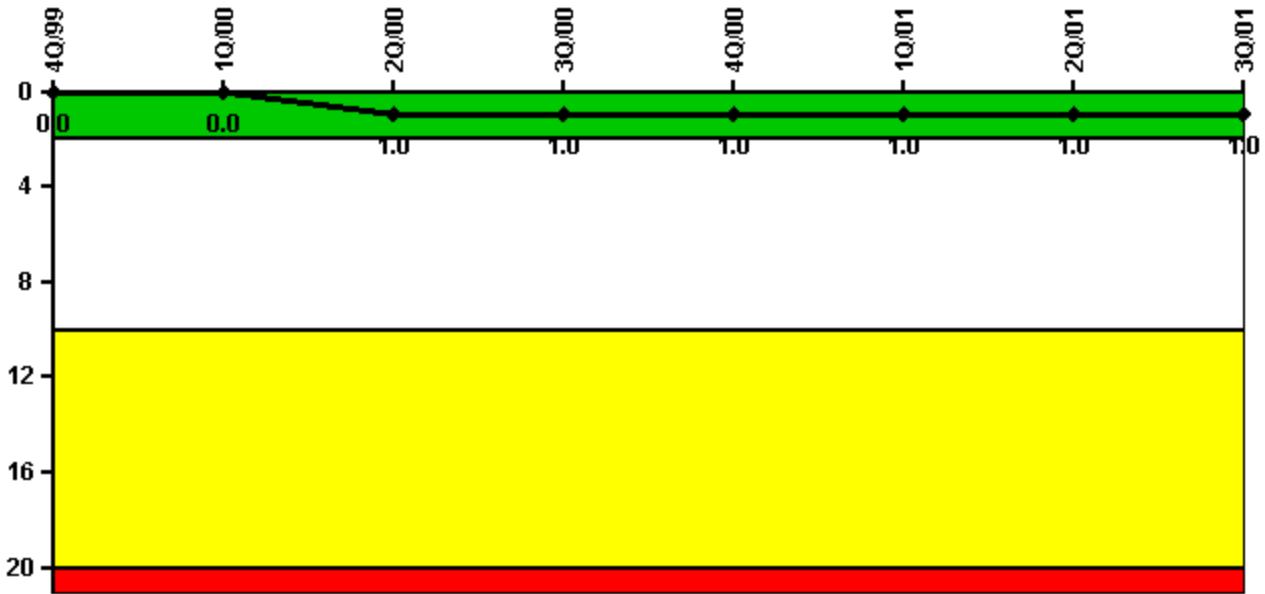
Notes

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	1.0	0	0	0	0	0
Critical hours	872.7	1619.1	2119.0	1785.0	2209.0	2133.8	1050.3	0
Indicator value	0	0	1.0	1.1	0.9	0.8	0	0

Licensee Comments:

3Q/01: Extended maintenance outage began June 21, 2001.

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

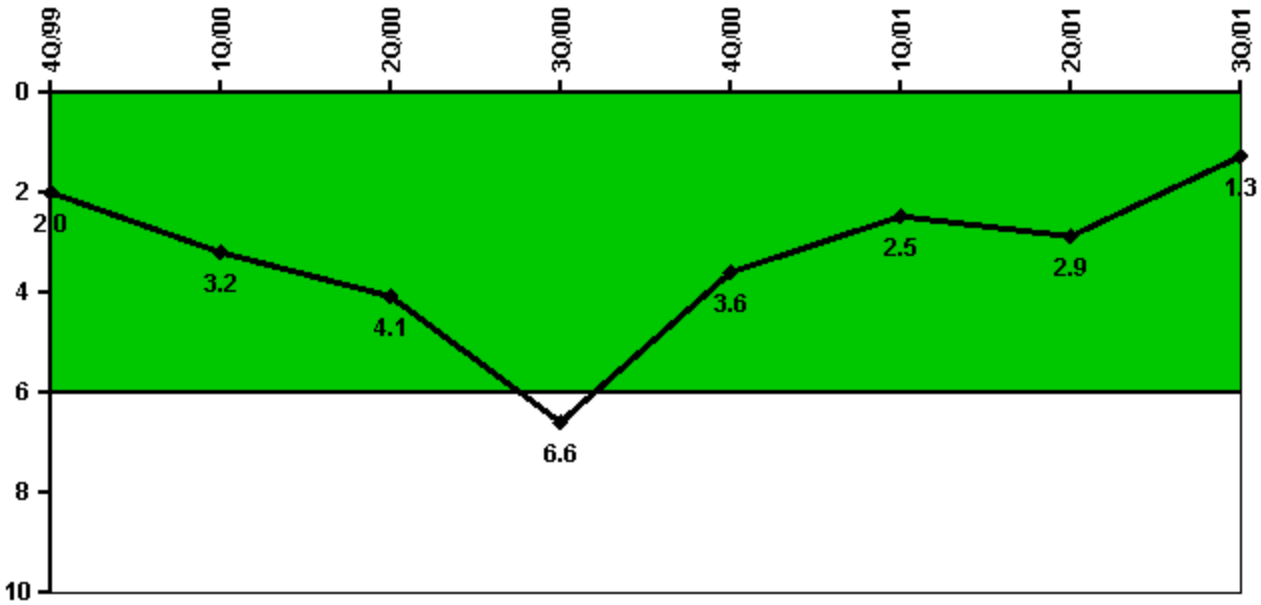
Notes

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	1.0	0	0	0	0	0
Indicator value	0	0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments:

3Q/01: Extended maintenance outage began June 21, 2001.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

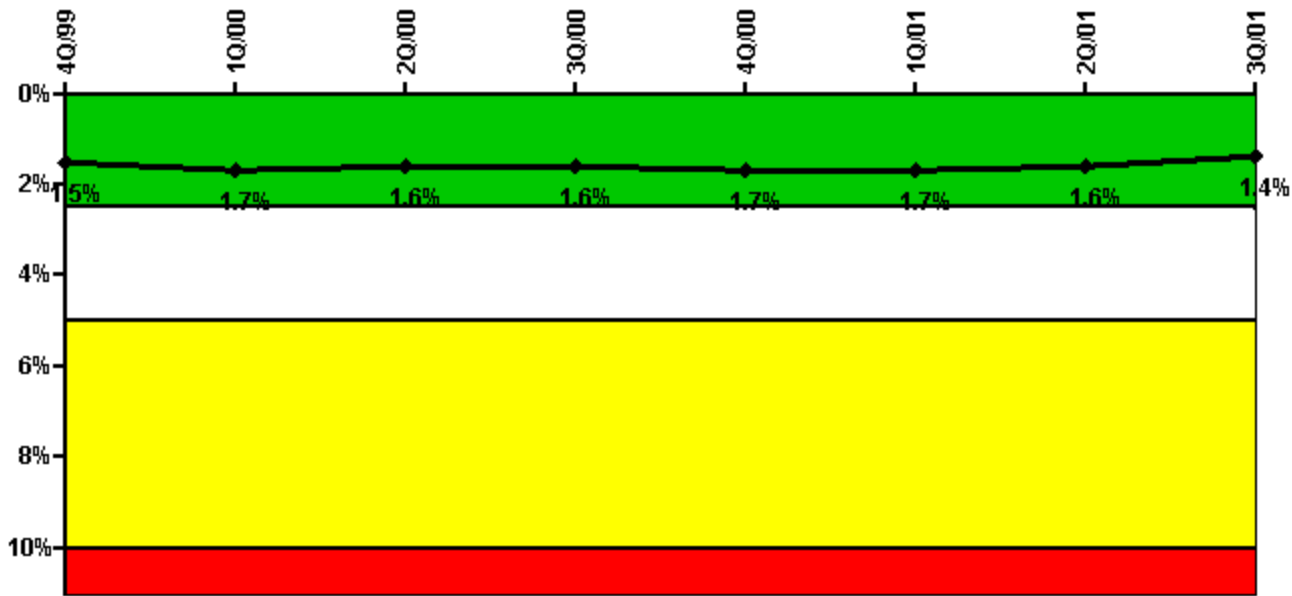
Notes

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	2.0	1.0	1.0	2.0	0	0	1.0	0
Critical hours	872.7	1619.1	2119.0	1785.0	2209.0	2133.8	1050.3	0
Indicator value	2.0	3.2	4.1	6.6	3.6	2.5	2.9	1.3

Licensee Comments:

3Q/01: Extended maintenance outage began June 21, 2001.

Safety System Unavailability, Emergency AC Power



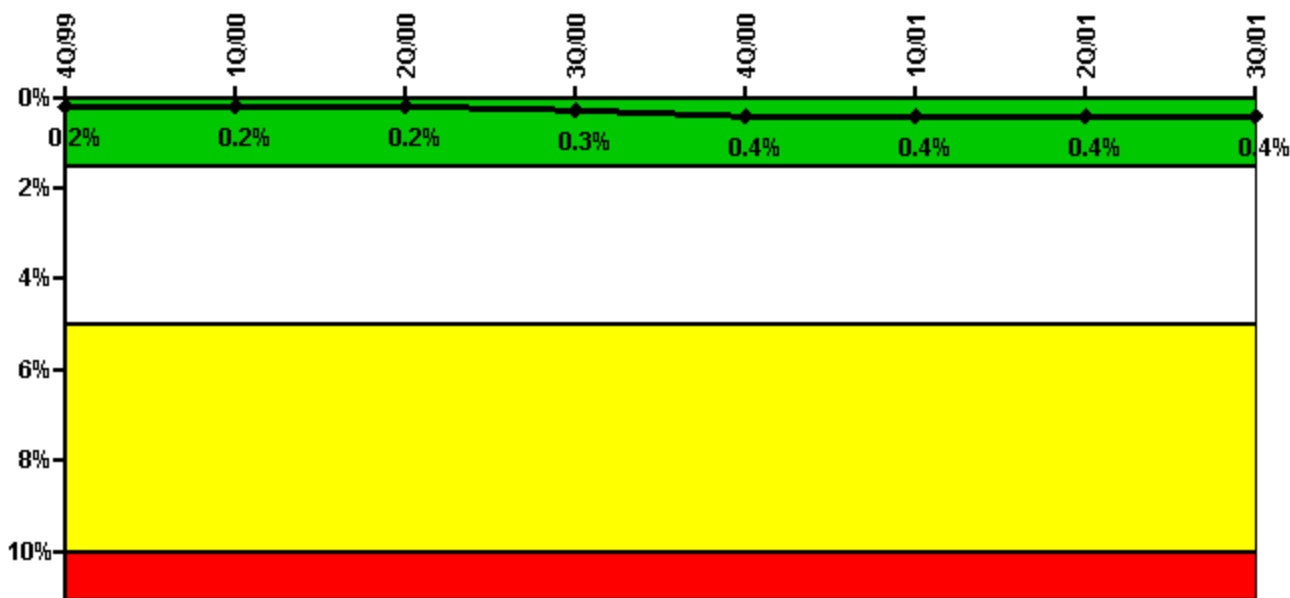
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

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	42.30	54.12	0.33	0.39	55.88	19.62	0.67	0
Unplanned unavailable hours	34.00	0	17.78	0	49.28	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.40	35.05	0.45	0.58	25.68	2.20	0.28	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.5%	1.7%	1.6%	1.6%	1.7%	1.7%	1.6%	1.4%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

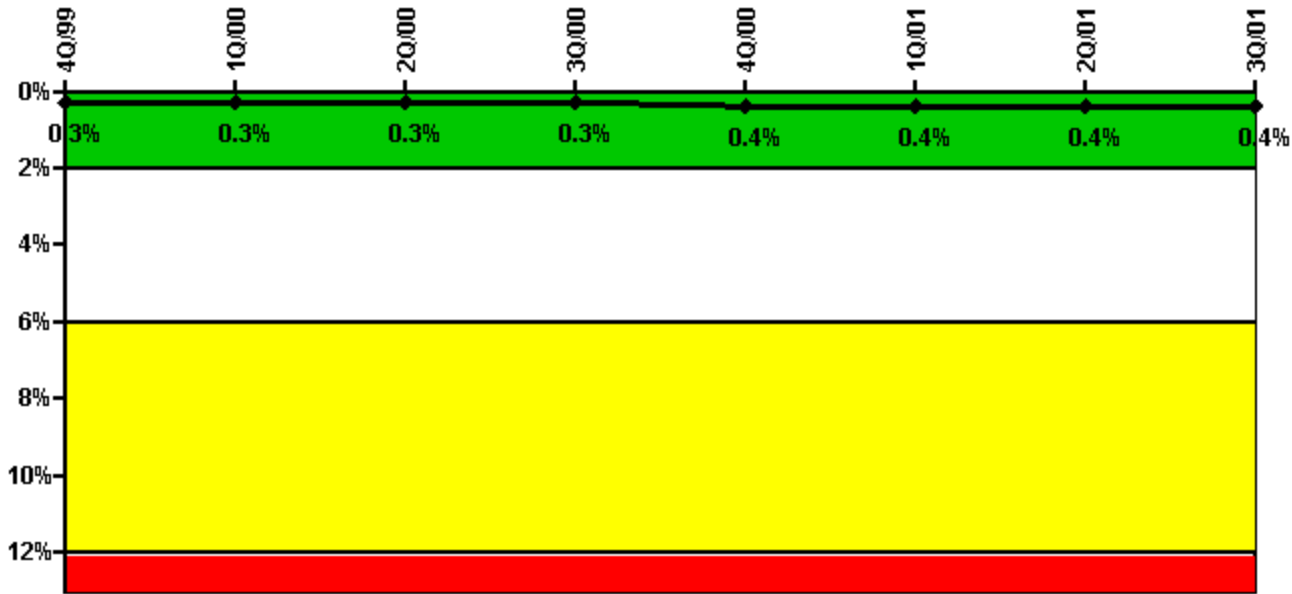
Notes

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	2.60	2.10	0.33	25.40	14.52	16.59	0.27	0
Unplanned unavailable hours	0	0	9.89	23.18	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	872.68	1619.10	2183.00	1933.04	2209.00	2146.67	1154.80	0
Train 2								
Planned unavailable hours	0	3.26	7.08	0	10.27	3.72	0	0
Unplanned unavailable hours	0	0	0	0	0.27	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	872.68	1619.10	2183.00	1933.04	2209.00	2146.67	1154.80	0
Indicator value	0.2%	0.2%	0.2%	0.3%	0.4%	0.4%	0.4%	0.4%

Licensee Comments:

3Q/01: Extended maintenance outage began June 21, 2001. HPSI trains not required in shutdown modes.

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	3.22	0	0	16.97	36.22	22.06	0.73	0
Unplanned unavailable hours	0	2.92	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	872.68	1619.10	2183.00	1933.00	2209.00	2146.67	1154.80	0
Train 2								
Planned unavailable hours	3.27	0	28.35	0.62	5.64	8.90	0	0
Unplanned unavailable hours	22.97	2.92	4.08	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	872.68	1619.10	2183.00	1933.00	2209.00	2146.67	1072.40	0
Train 3								
Planned unavailable hours	0	0	5.47	18.15	0.77	9.84	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	872.68	1619.10	2183.00	1933.00	2209.00	2146.67	1154.80	0
Indicator value	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.4%	0.4%

Licensee Comments:

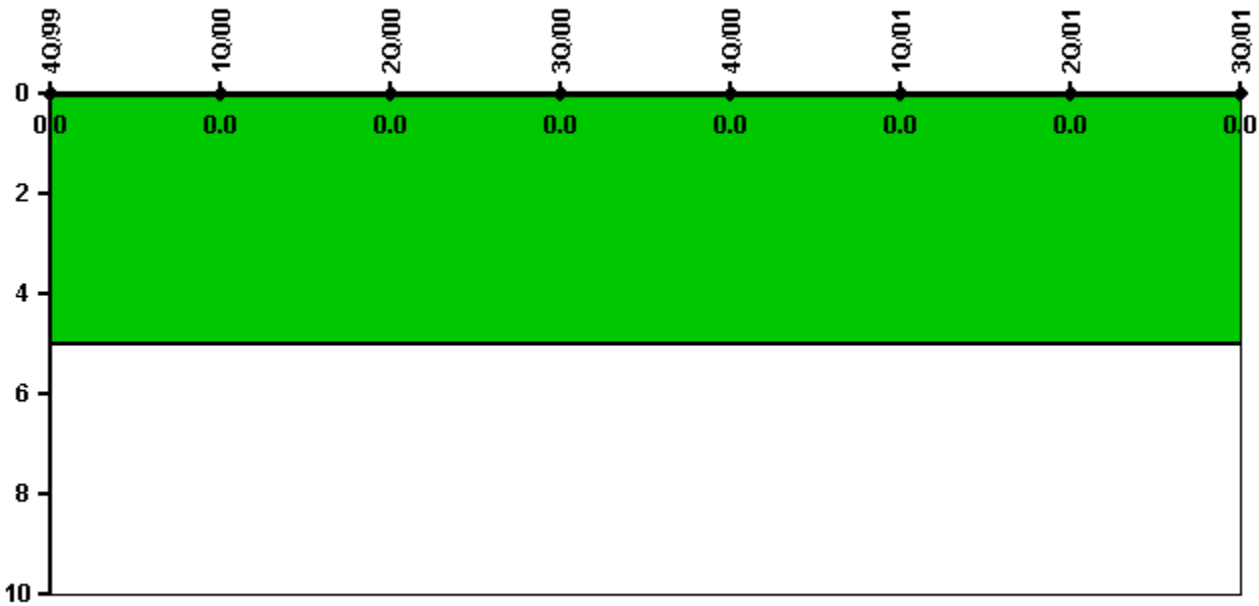
3Q/01: Extended maintenance outage began June 21, 2001. Heat Removal (AFW) not required during cold shutdown.

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.

Required hours	2209.00	2184.00	0	274.96	0	0	789.90	2208.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



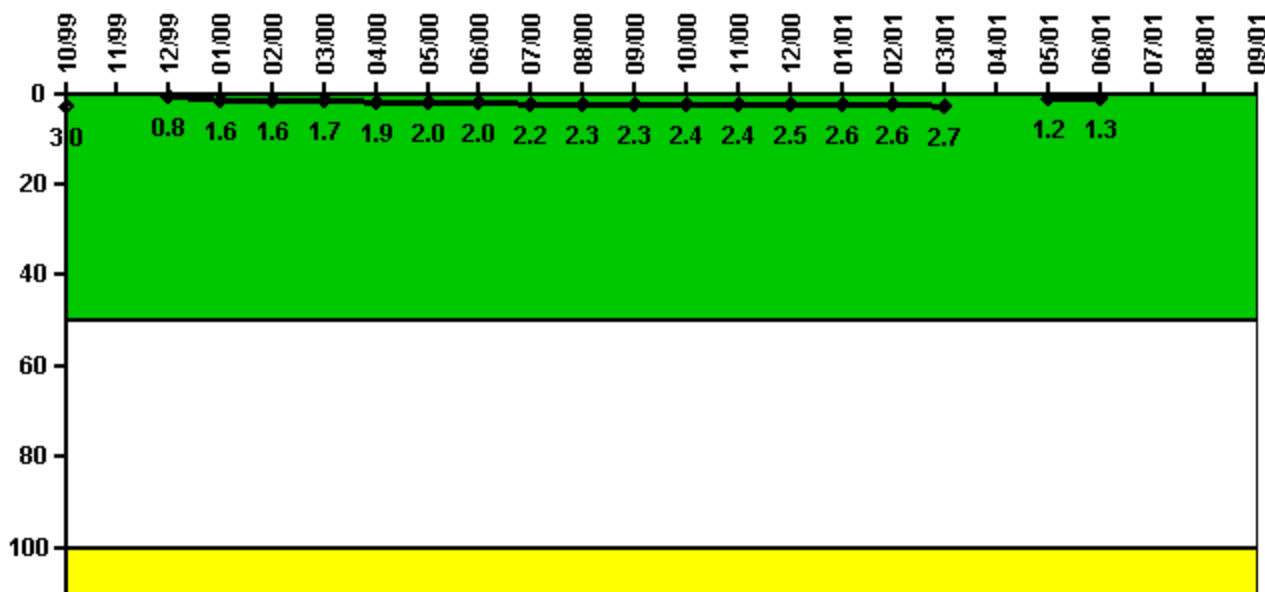
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

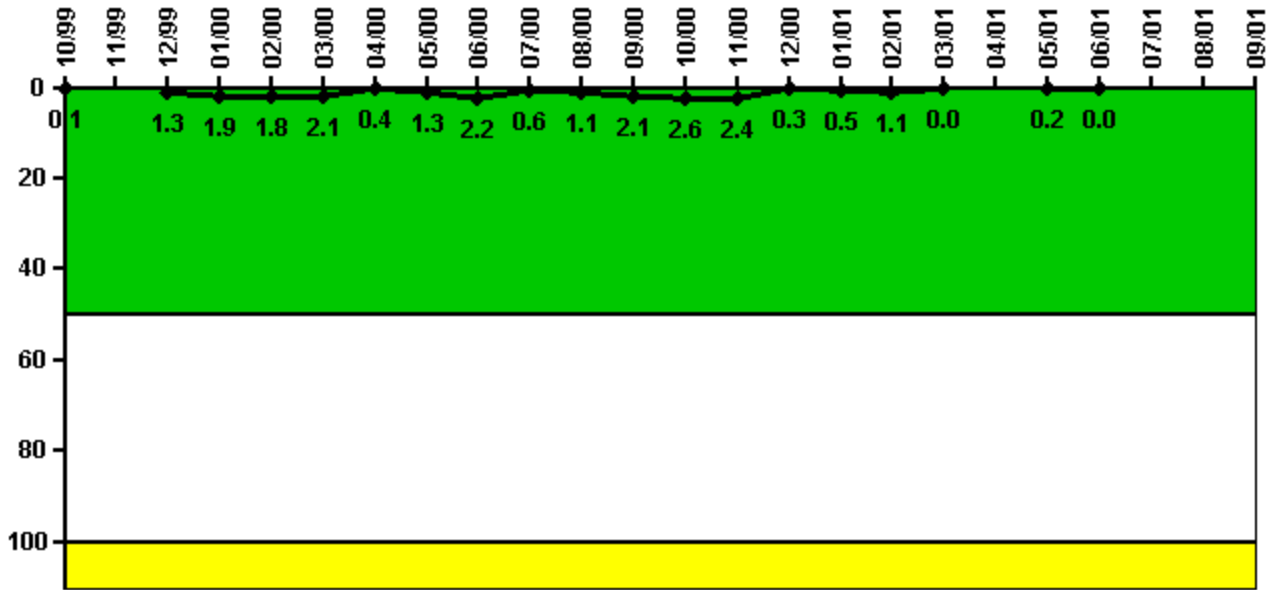
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.030000	N/A	0.008000	0.015700	0.015800	0.016900	0.018800	0.019800	0.020400	0.021600	0.022700	0.022500
Technical specification limit	1.0	N/A	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator 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	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.024000	0.024300	0.024800	0.026300	0.025600	0.026500	N/A	0.012300	0.013000	N/A	N/A	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	N/A	1.0	1.0	1.0	1.0	1.0
Indicator value	2.4	2.4	2.5	2.6	2.6	2.7	N/A	1.2	1.3	N/A	N/A	N/A

Licensee Comments:

9/01: Extended maintenance outage began June 21, 2001.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

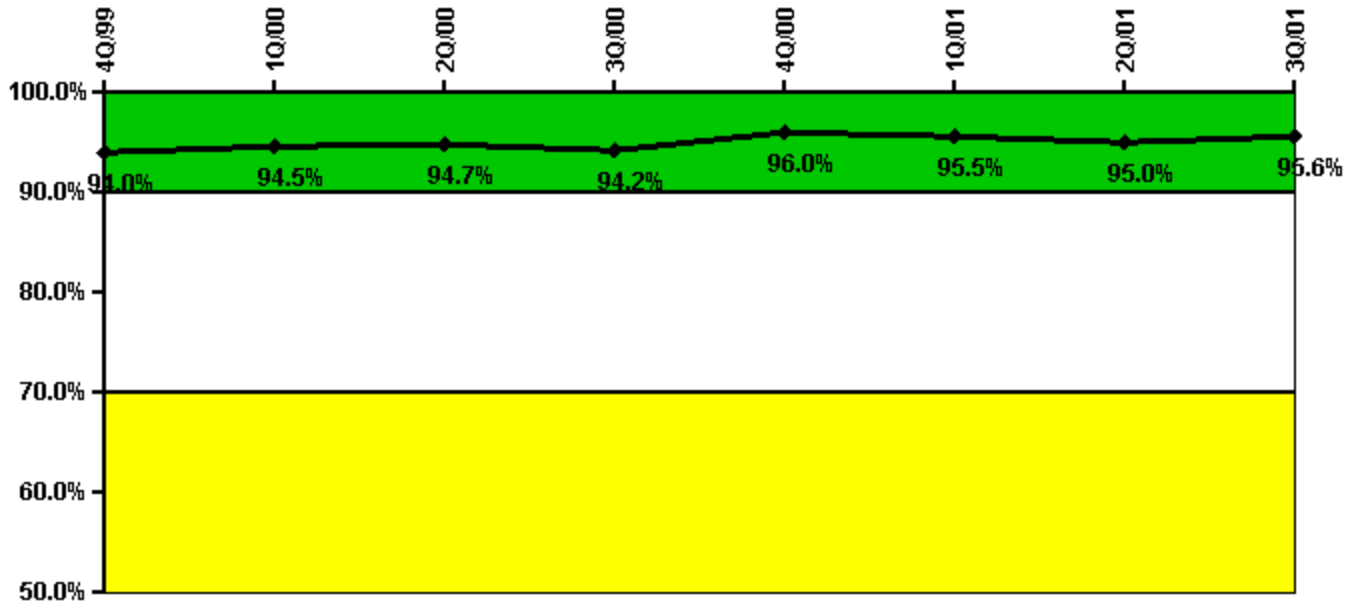
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.010	N/A	0.127	0.187	0.177	0.214	0.041	0.128	0.216	0.060	0.112	0.214
Technical specification limit	10.0	N/A	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	N/A	1.3	1.9	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	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.261	0.241	0.030	0.047	0.112	0	N/A	0.015	0.003	N/A	N/A	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	N/A	10.0	10.0	10.0	10.0	10.0
Indicator value	2.6	2.4	0.3	0.5	1.1	0	N/A	0.2	0	N/A	N/A	N/A

Licensee Comments:

9/01: Extended maintenance outage began June 21, 2001.

Drill/Exercise Performance



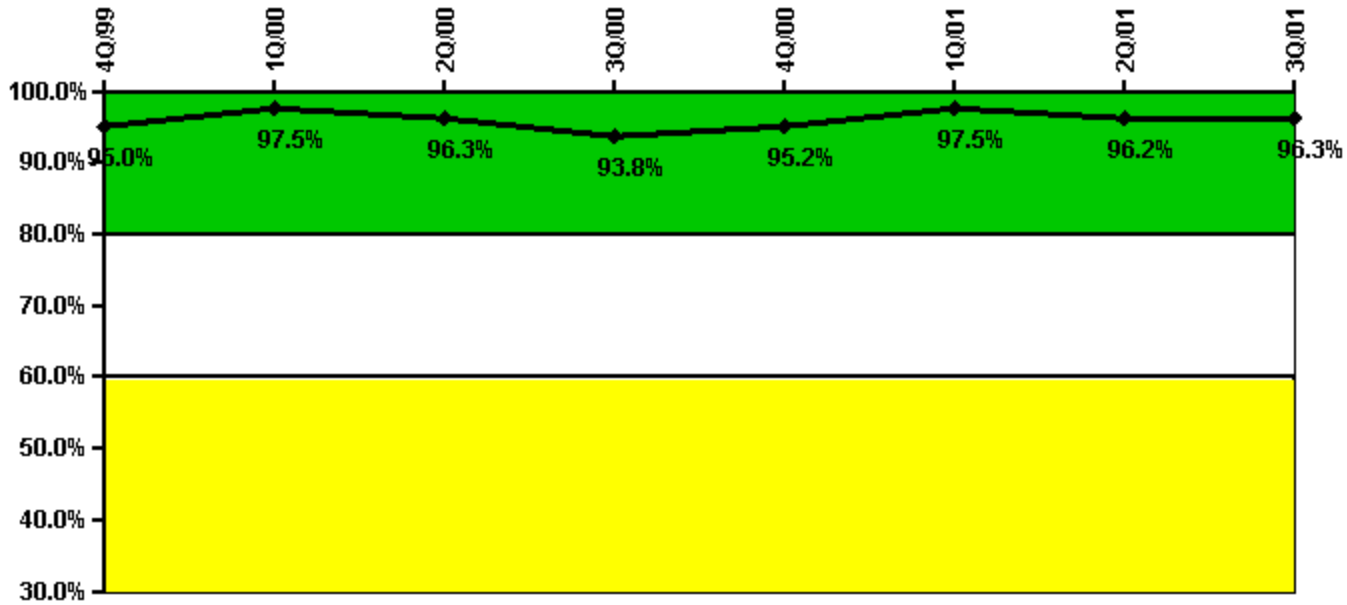
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	0	14.0	21.0	5.0	10.0	13.0	0	2.0
Total opportunities	0	14.0	22.0	6.0	10.0	14.0	0	2.0
Indicator value	94.0%	94.5%	94.7%	94.2%	96.0%	95.5%	95.0%	95.6%

Licensee Comments: none

ERO Drill Participation



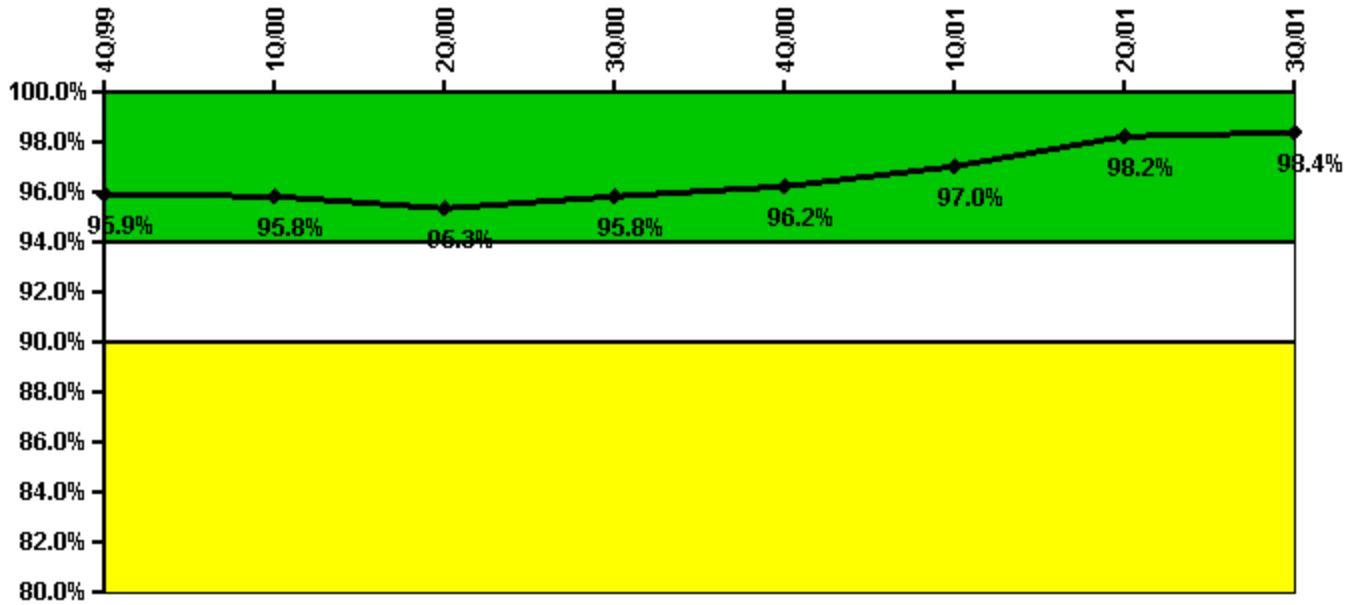
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	76.0	79.0	78.0	76.0	79.0	78.0	76.0	77.0
Total Key personnel	80.0	81.0	81.0	81.0	83.0	80.0	79.0	80.0
Indicator value	95.0%	97.5%	96.3%	93.8%	95.2%	97.5%	96.2%	96.3%

Licensee Comments: none

Alert & Notification System



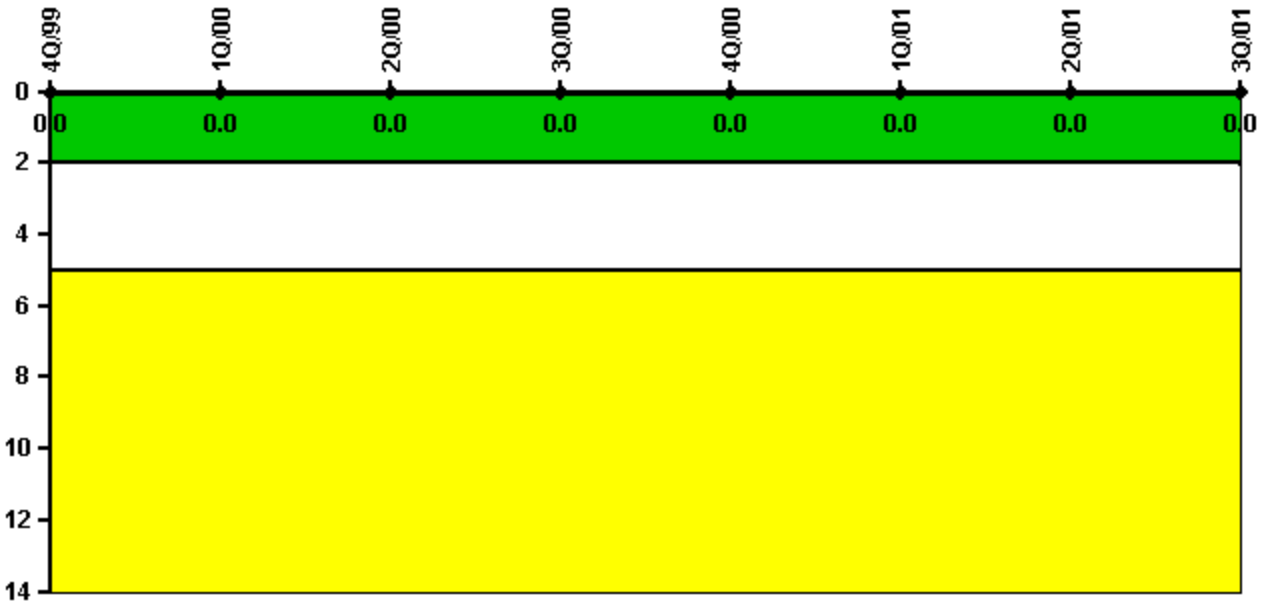
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	211	203	239	244	246	249	251	246
Total sirens-tests	219	213	252	252	252	252	252	252
Indicator value	95.9%	95.8%	95.3%	95.8%	96.2%	97.0%	98.2%	98.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



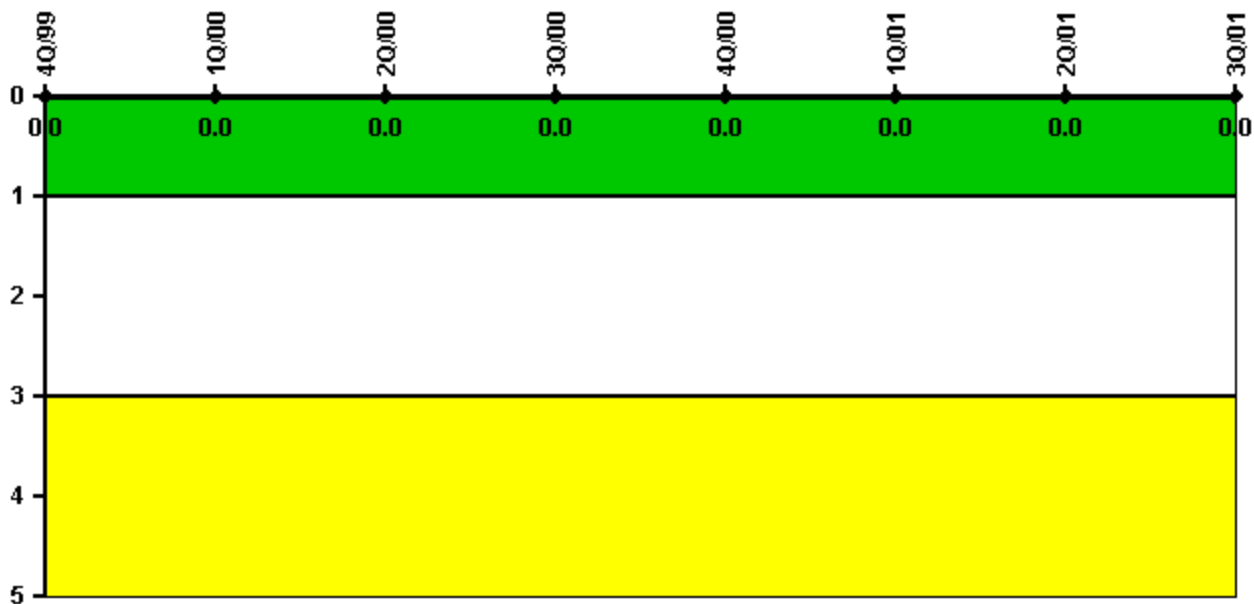
Thresholds: White > 2.0 Yellow > 5.0

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	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



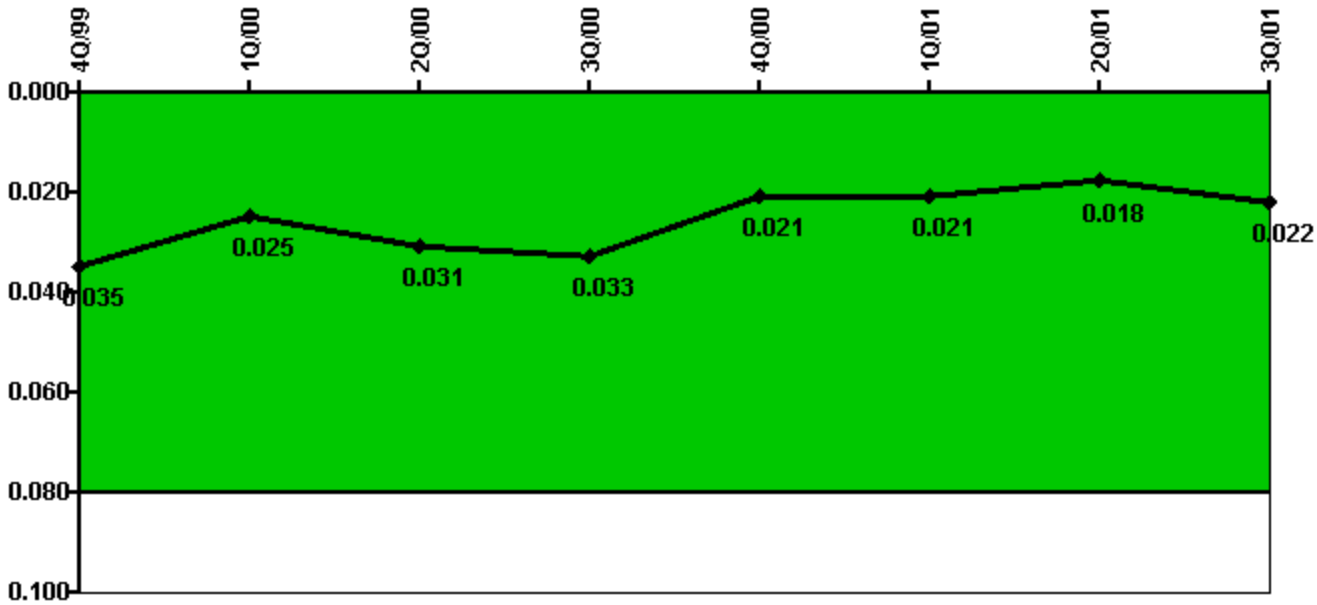
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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



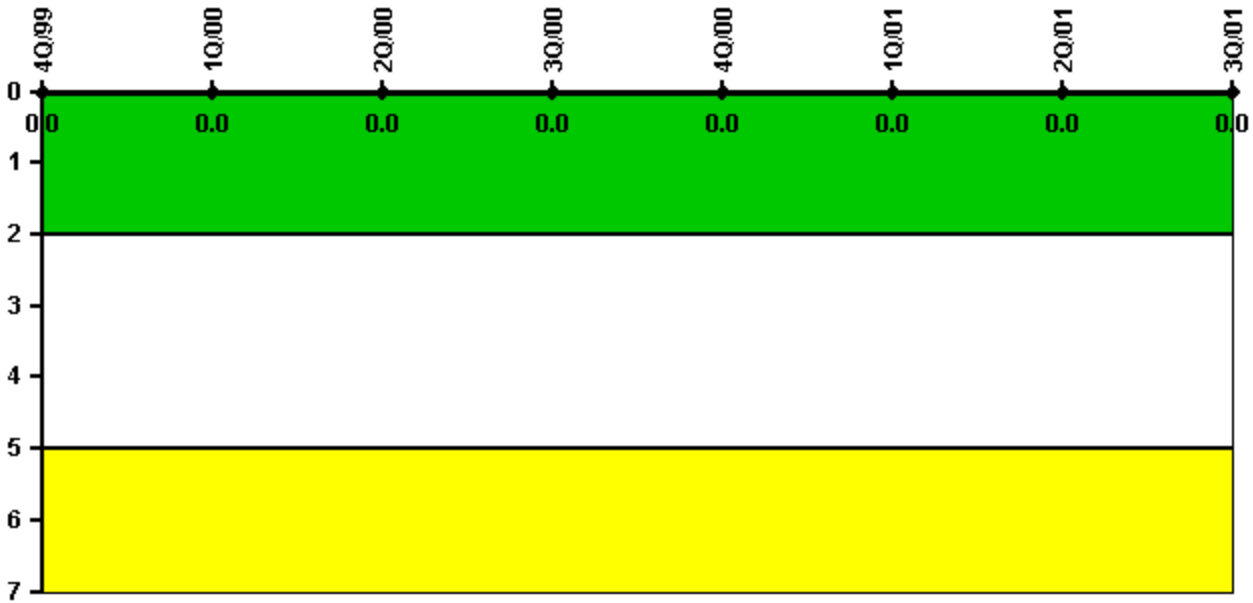
Thresholds: White > 0.080

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	499.15	57.81	201.00	81.82	196.99	64.37	126.28	163.03
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.45	1.45	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	1.0	1.0
Index Value	0.035	0.025	0.031	0.033	0.021	0.021	0.018	0.022

Licensee Comments: none

Personnel Screening Program



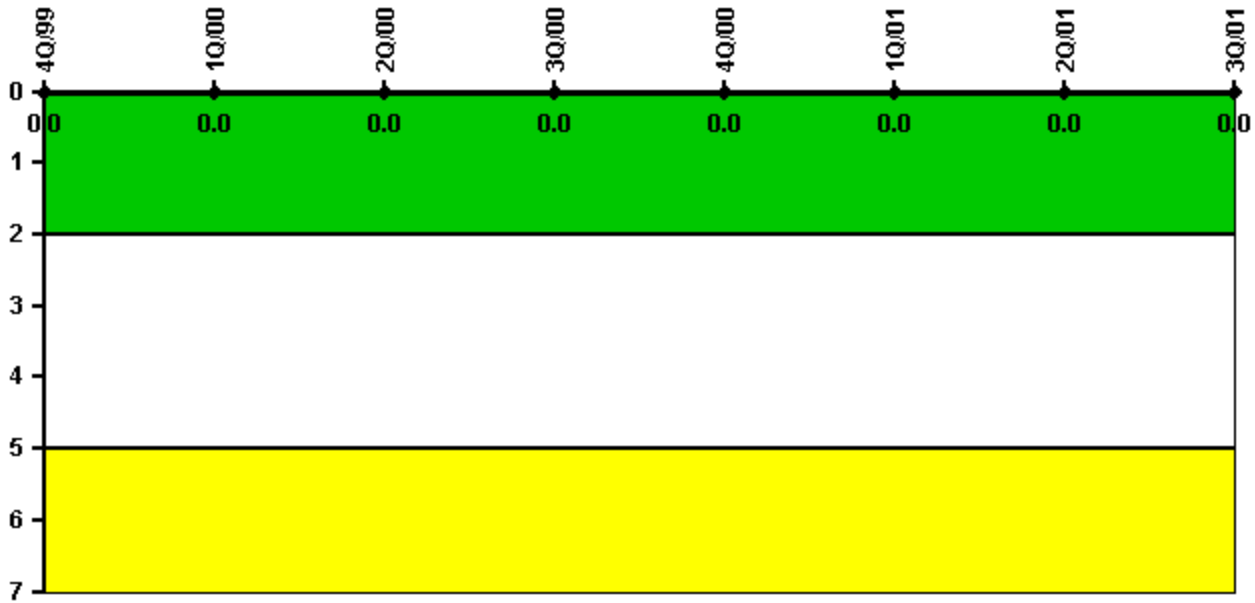
Thresholds: White > 2.0 Yellow > 5.0

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	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 26, 2002