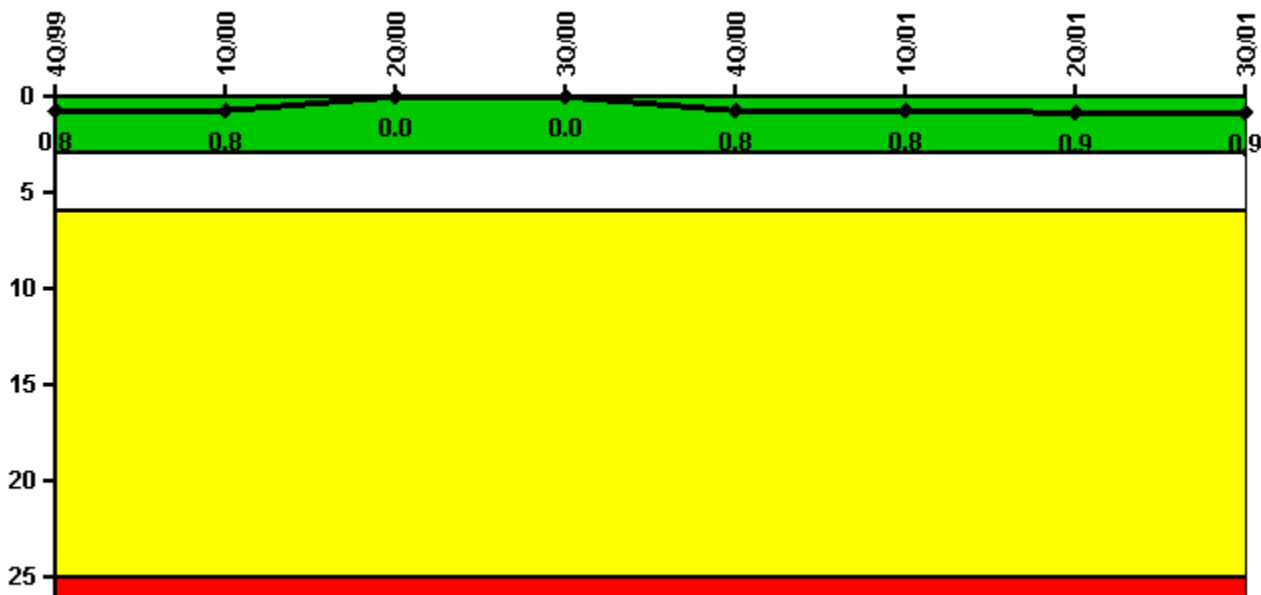


Quad Cities 1

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	1.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0
Indicator value	0.8	0.8	0	0	0.8	0.8	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



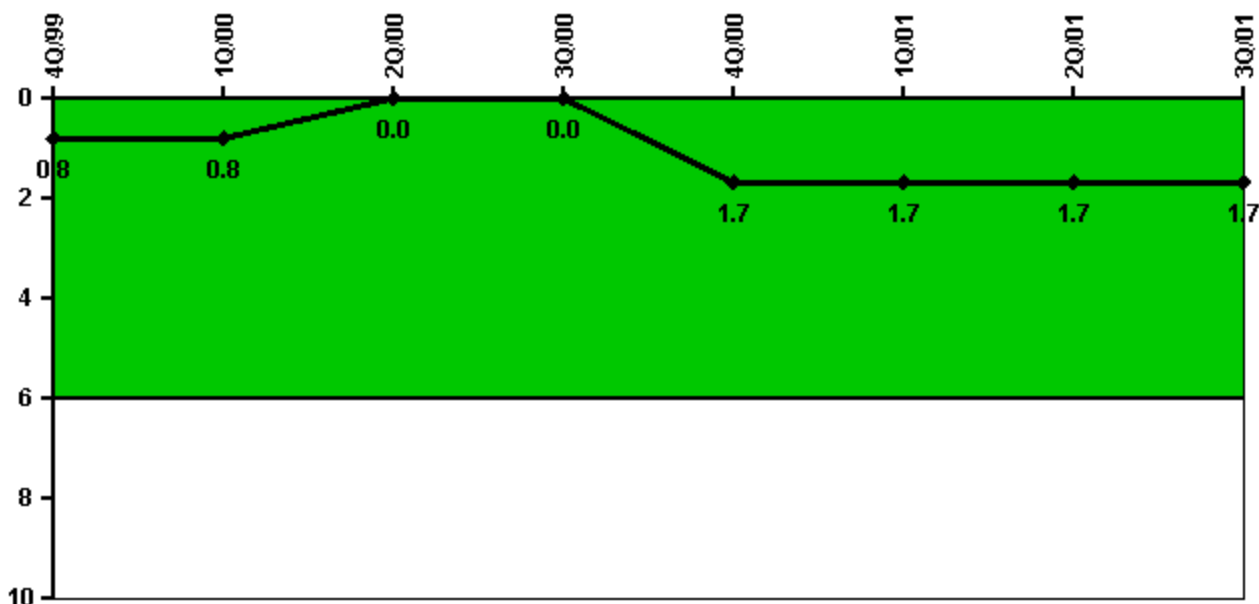
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



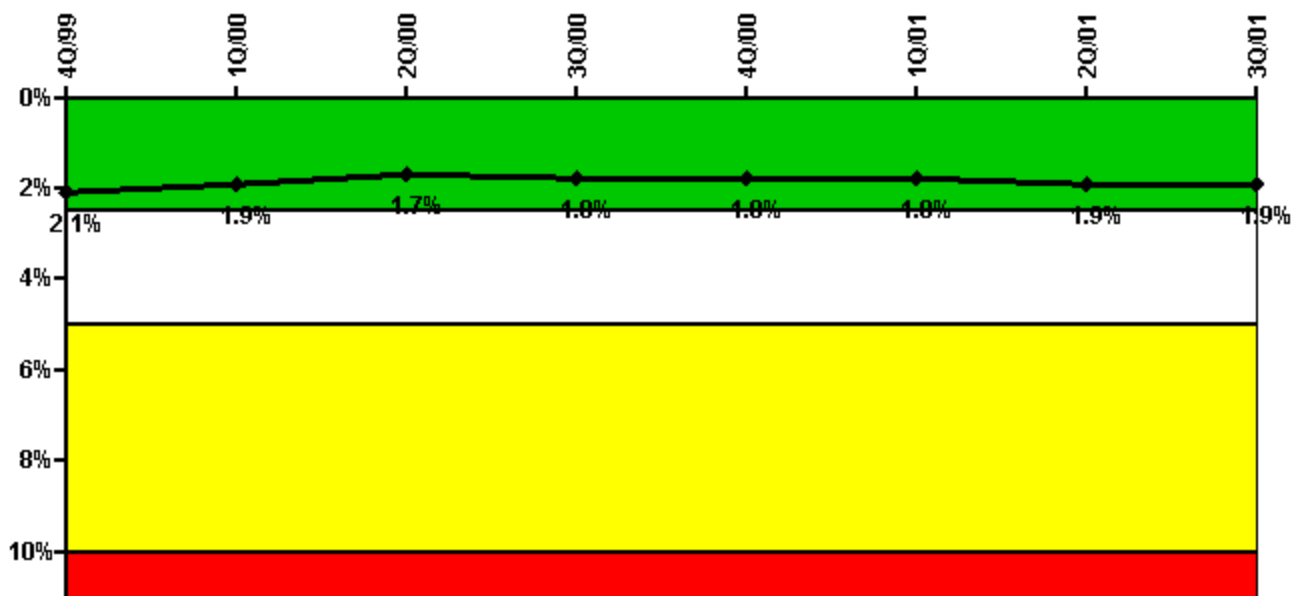
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0
Indicator value	0.8	0.8	0	0	1.7	1.7	1.7	1.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



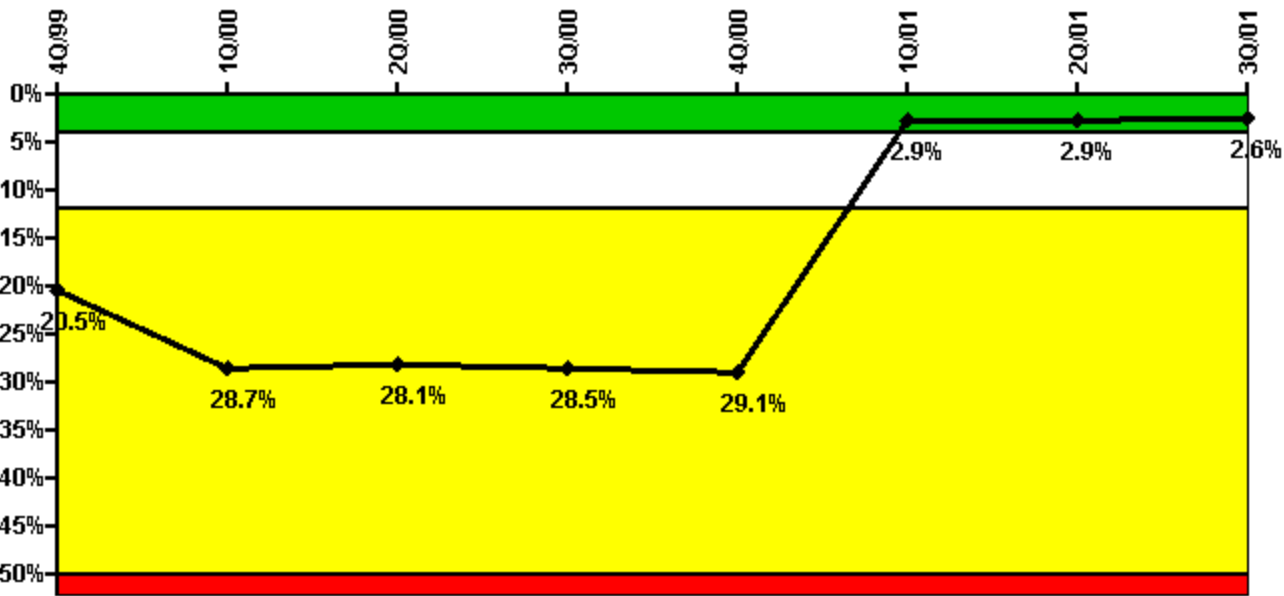
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	15.04	48.10	17.29	8.46	46.68	35.25	15.30	20.60
Unplanned unavailable hours	0	4.17	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
Train 2								
Planned unavailable hours	14.20	12.46	11.32	69.70	63.03	37.35	54.20	23.77
Unplanned unavailable hours	0	0	0	3.30	0	2.62	0	1.63
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	2.1%	1.9%	1.7%	1.8%	1.8%	1.8%	1.9%	1.9%

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)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	79.87	45.21	31.29	102.84	65.64	10.45	45.17	5.50
Unplanned unavailable hours	30.20	33.85	3.20	0	5.20	0	0	0
Fault exposure hours	2099.00	1889.40	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	5439.80	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1712.30	2160.00	2126.30	2208.00
Indicator value	20.5%	28.7%	28.1%	28.5%	29.1%	2.9%	2.9%	2.6%

Licensee Comments:

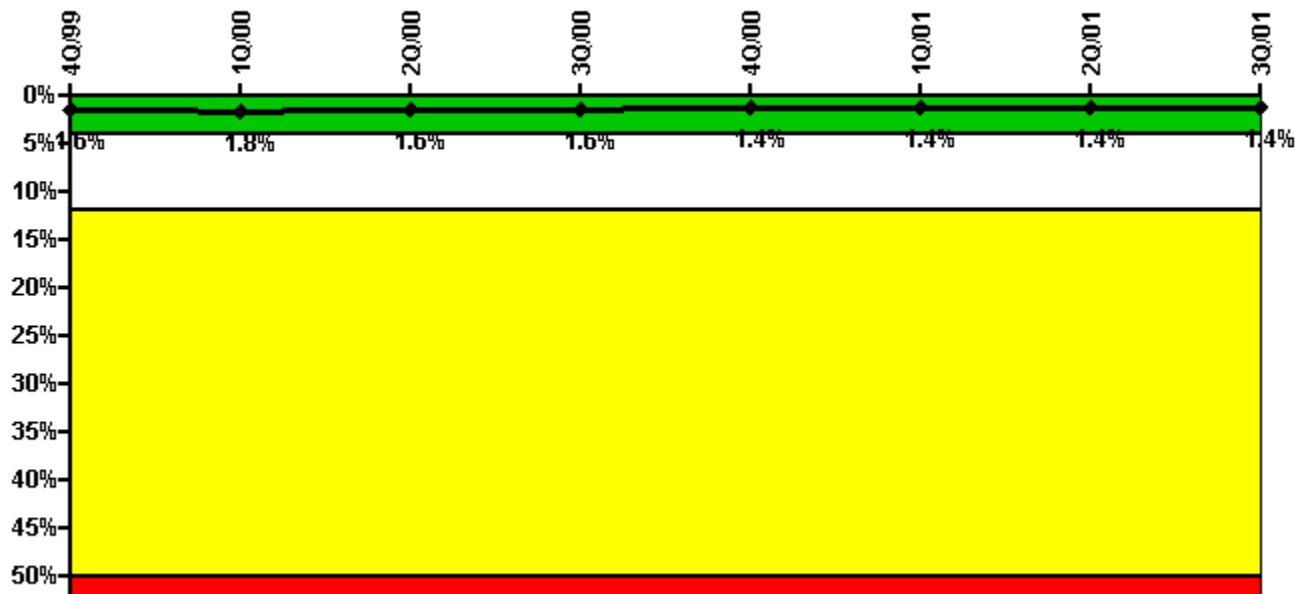
1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made

in April, 2001.

Safety System Unavailability, Heat Removal System (RCIC)



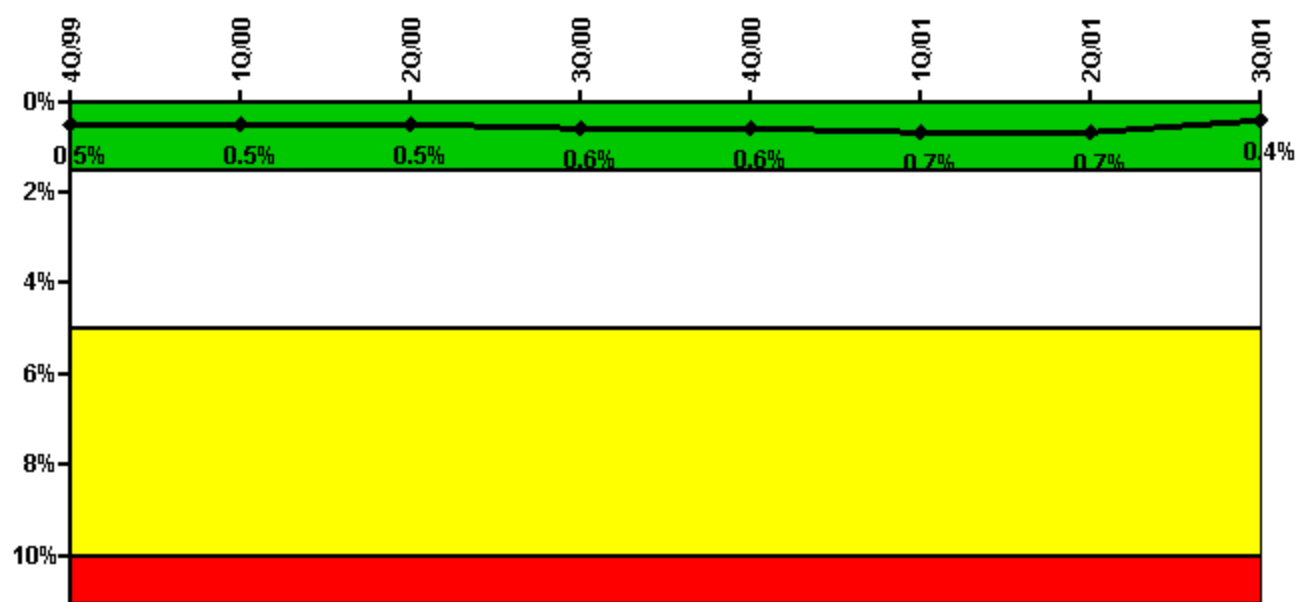
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	46.47	20.36	55.86	9.61	6.91	43.32	22.88	8.44
Unplanned unavailable hours	0	26.21	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	1712.30	2160.00	2126.30	2208.00
Indicator value	1.6%	1.8%	1.6%	1.6%	1.4%	1.4%	1.4%	1.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



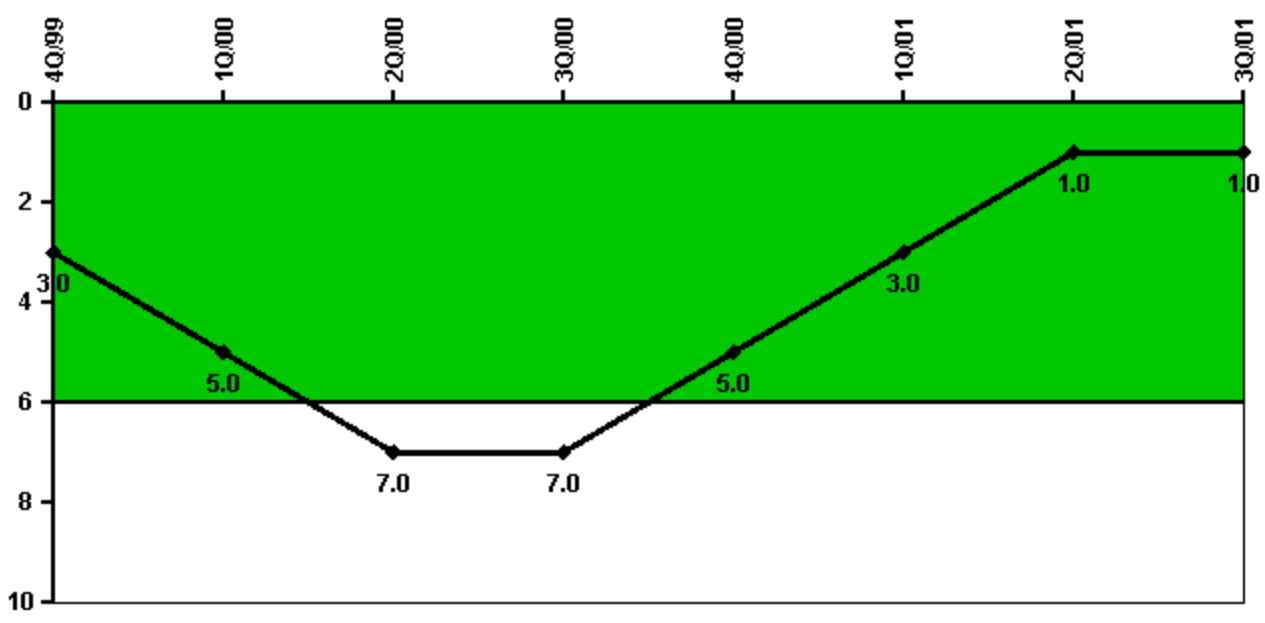
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	30.80	0	0	27.37	7.10	47.75	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	31.30	0	0	0	2.15	27.92	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.5%	0.5%	0.5%	0.6%	0.6%	0.7%	0.7%	0.4%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

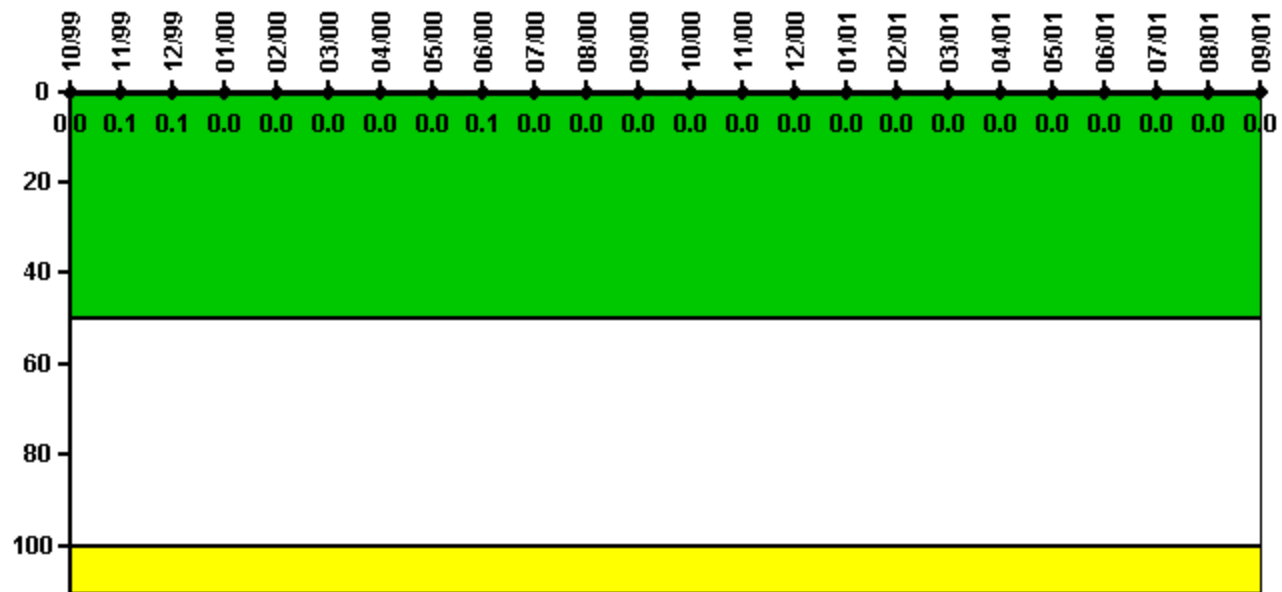
Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	3	2	2	0	1	0	0	0
Indicator value	3	5	7	7	5	3	1	1

Licensee Comments:

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the event is ongoing. {The abovementioned Safety System Functional Failure was withdrawn with the fourth quarter 2001 submittal per a subsequent NRC letter concerning Inspection Report 50-265/01-08.}

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

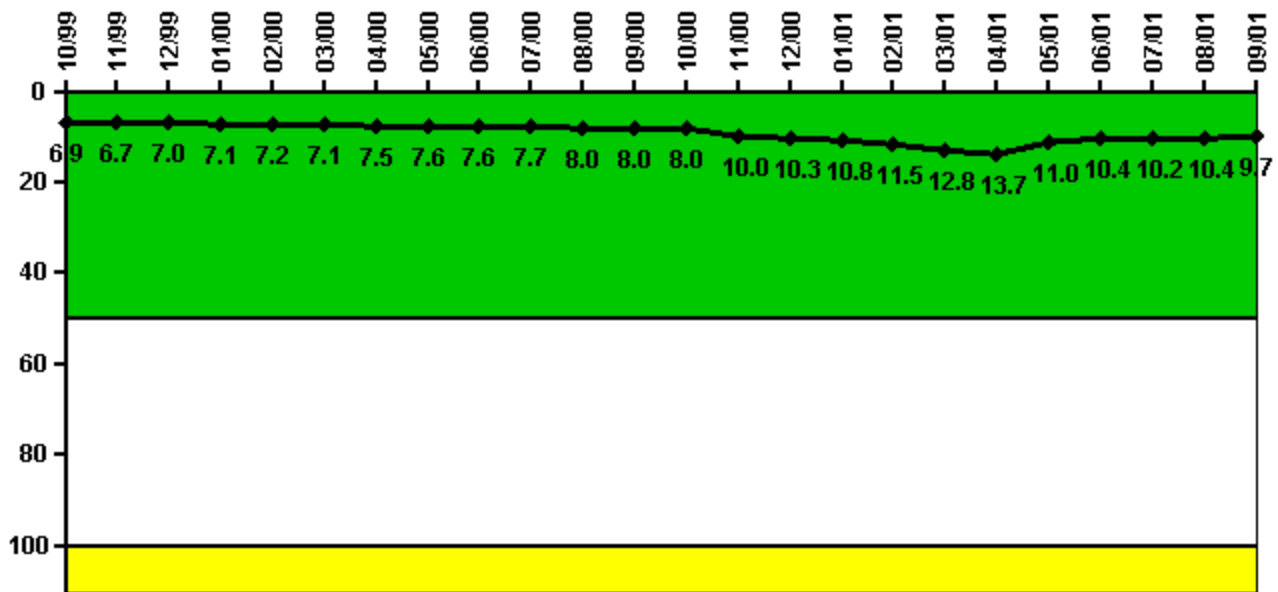
Notes

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	0.000095	0.000133	0.000123	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074
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	0.1	0.1	0	0	0	0	0	0.1	0	0	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	0.000064	0.000057	0.000072	0.000043	0.000084	0.000044	0.000039	0.000063	0.000056	0.000055	0.000082	0.000067
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: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

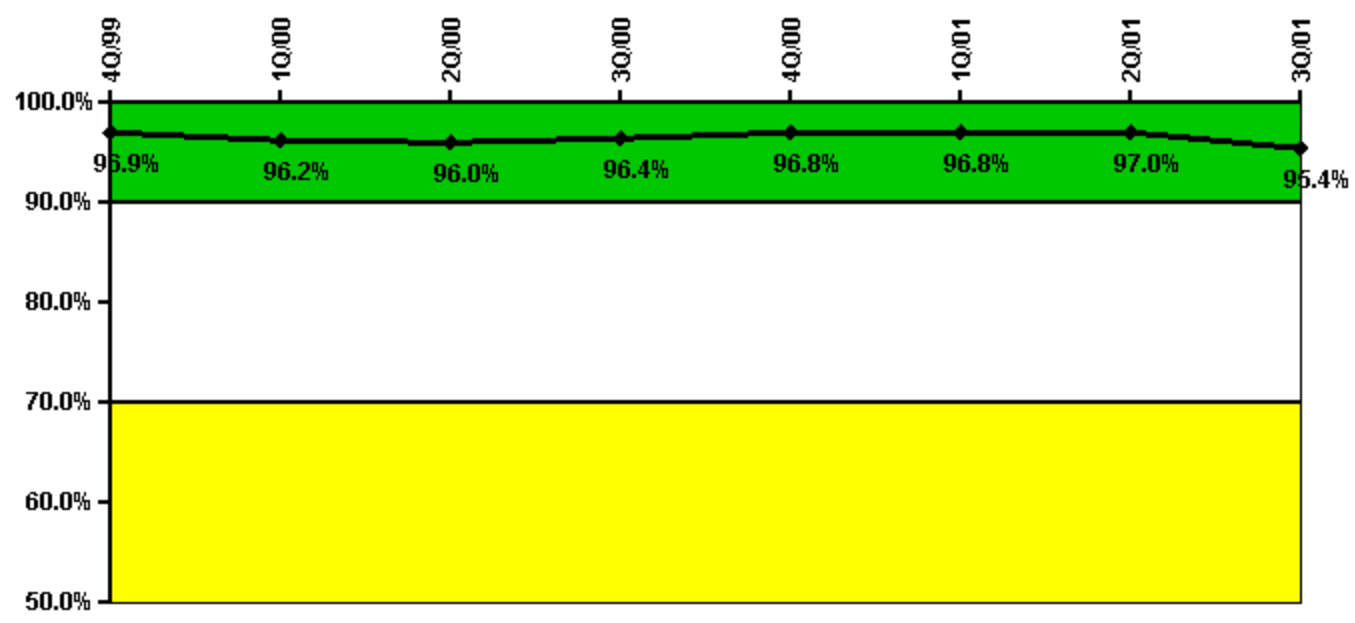
Notes

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	1.720	1.670	1.750	1.780	1.790	1.780	1.880	1.900	1.900	1.920	1.990	1.990
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	6.9	6.7	7.0	7.1	7.2	7.1	7.5	7.6	7.6	7.7	8.0	8.0

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	2.000	2.490	2.570	2.710	2.870	3.210	3.420	2.750	2.590	2.550	2.590	2.420
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	8.0	10.0	10.3	10.8	11.5	12.8	13.7	11.0	10.4	10.2	10.4	9.7

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

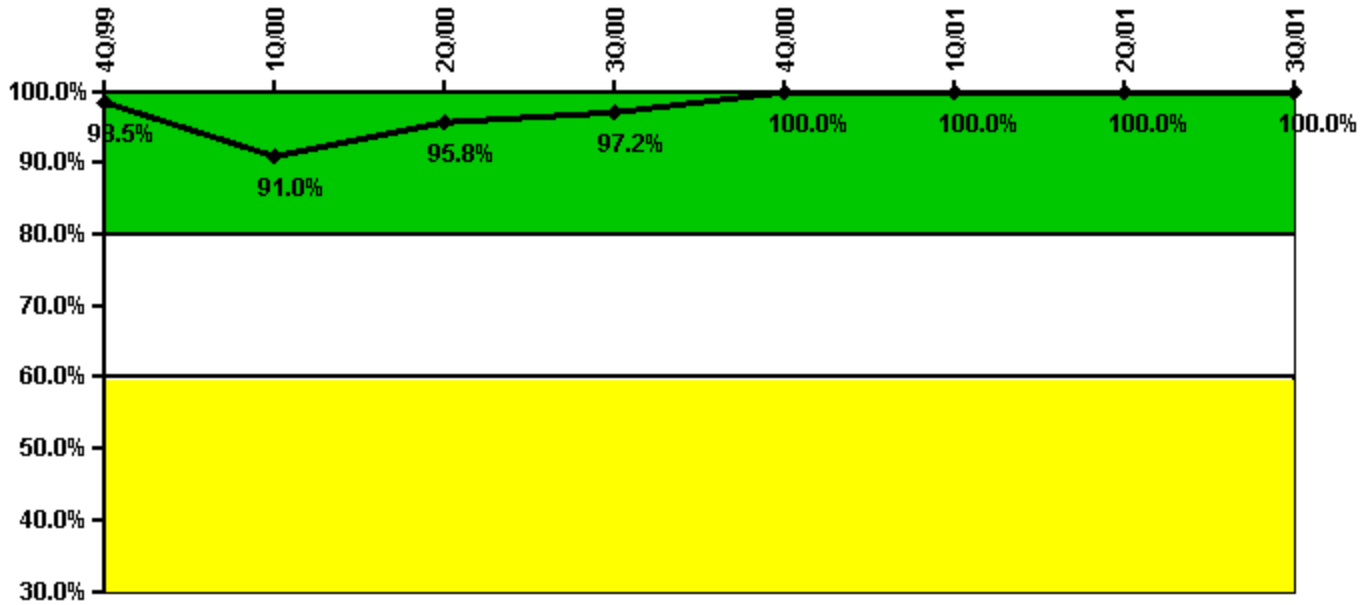
Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	56.0	15.0	59.0	50.0	39.0	0	45.0	7.0
Total opportunities	57.0	17.0	62.0	53.0	39.0	0	46.0	10.0
Indicator value	96.9%	96.2%	96.0%	96.4%	96.8%	96.8%	97.0%	95.4%

Licensee Comments:

3Q/01: The September data was adjusted with the fourth quarter 2001 submittal to correct a utility-identified error in the PI submittal.

2Q/01: This indicator is changed to reflect the results of a June 26, 2001, evaluation that were not provided in the second quarter submittal. This does not affect the color.

ERO Drill Participation



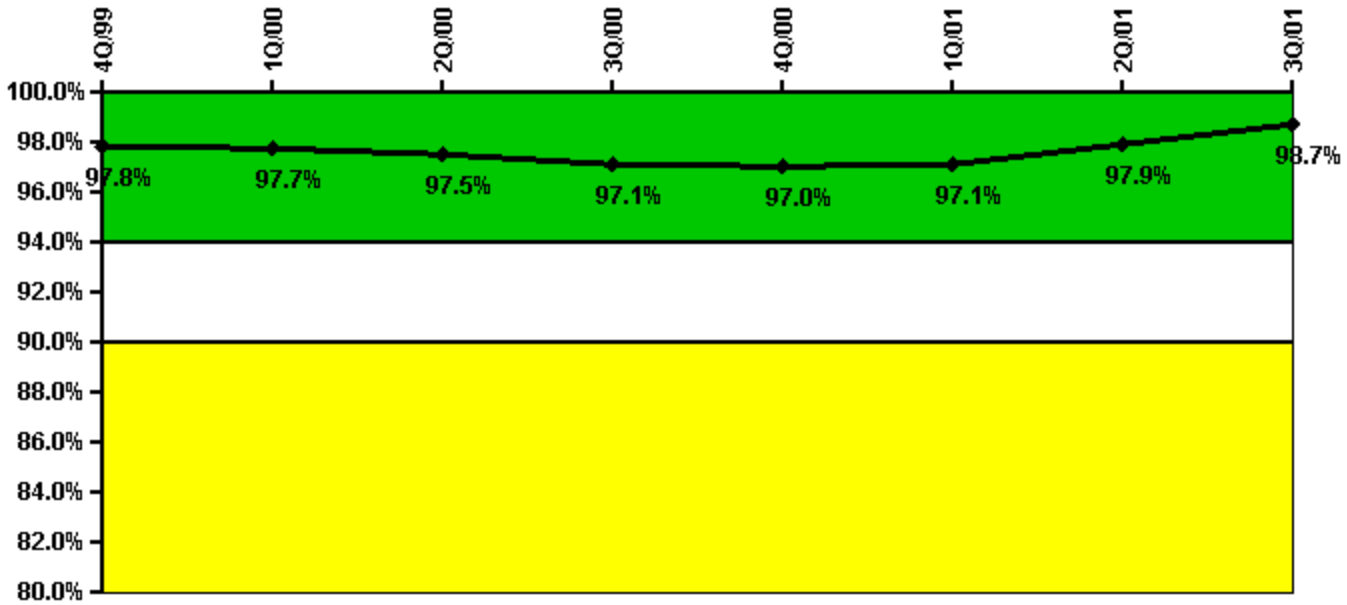
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	64.0	61.0	69.0	69.0	70.0	65.0	66.0	67.0
Total Key personnel	65.0	67.0	72.0	71.0	70.0	65.0	66.0	67.0
Indicator value	98.5%	91.0%	95.8%	97.2%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



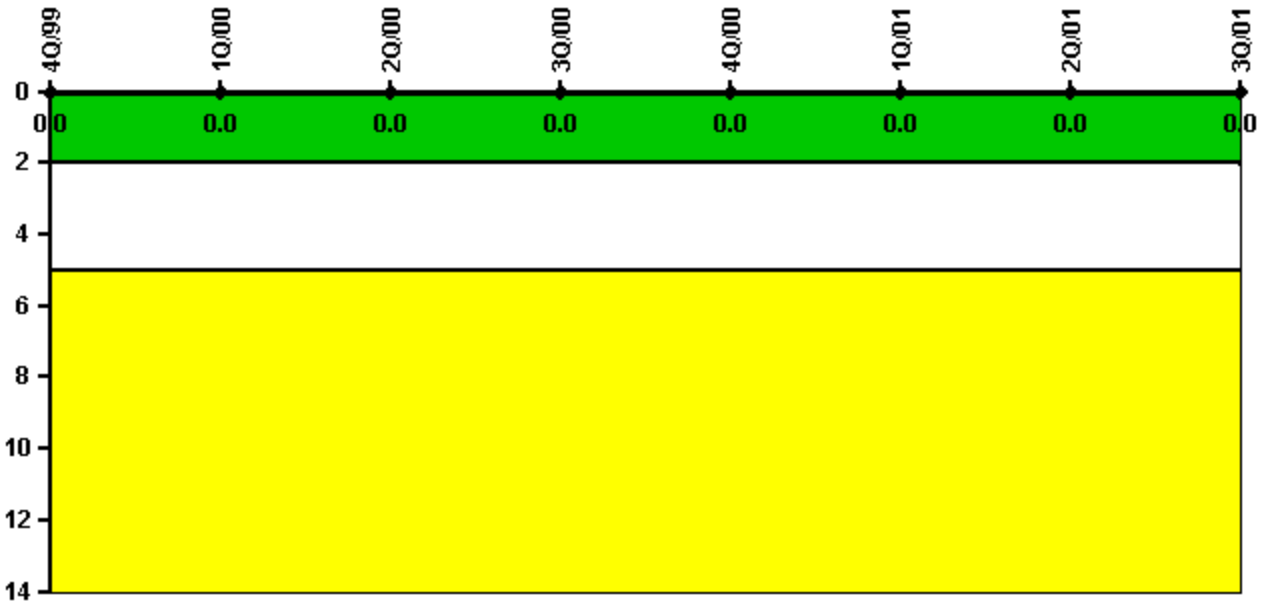
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	3219	3321	3190	3150	3202	3285	3299	3256
Total sirens-tests	3276	3380	3328	3276	3276	3328	3328	3276
Indicator value	97.8%	97.7%	97.5%	97.1%	97.0%	97.1%	97.9%	98.7%

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



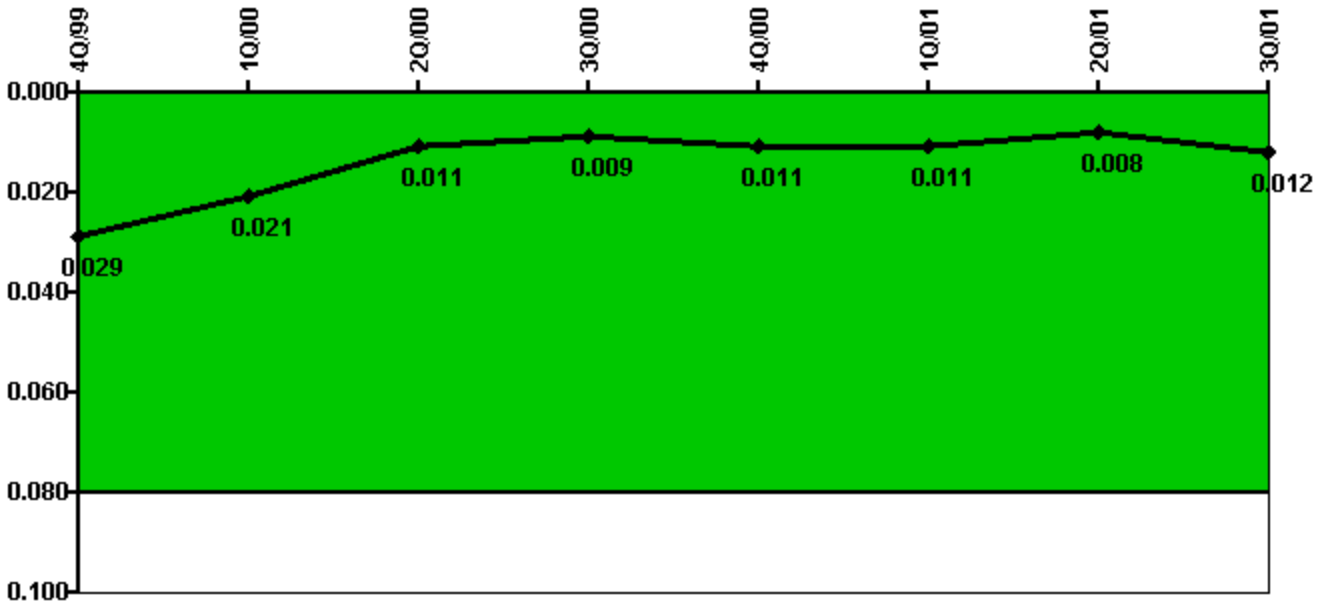
Thresholds: White > 1.0 Yellow > 3.0

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



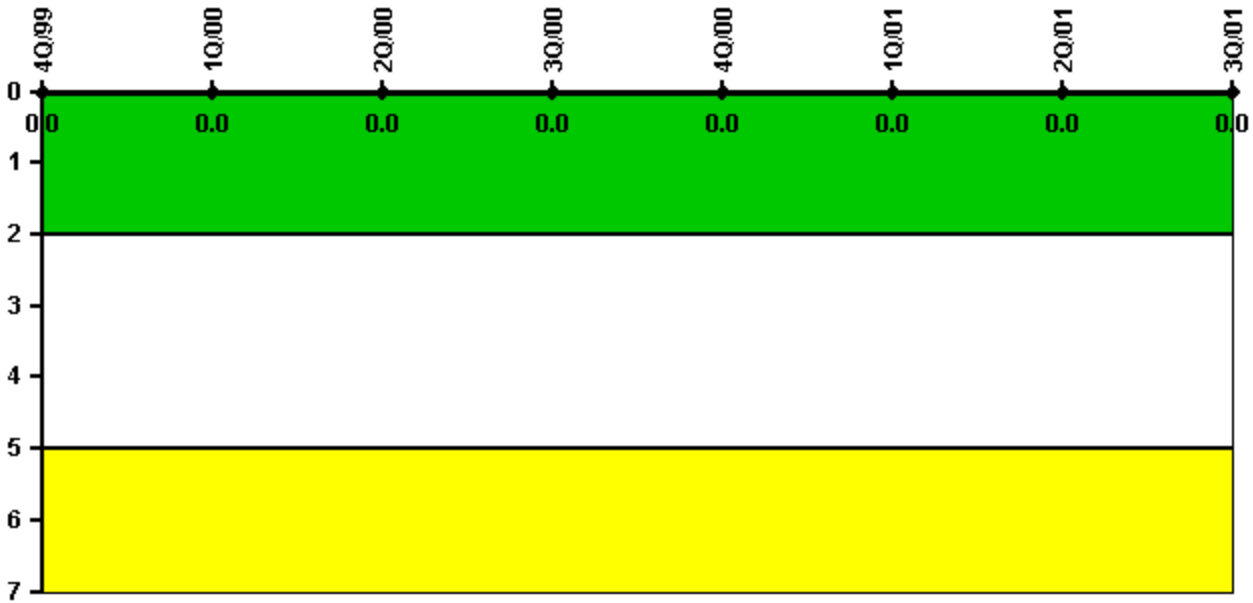
Thresholds: White > 0.080

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	22.10	28.50	82.20	24.32	52.19	30.70	37.60	80.50
CCTV compensatory hours	2.2	0	4.3	1.6	0	0.1	0	13.9
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.029	0.021	0.011	0.009	0.011	0.011	0.008	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	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