

Kewaunee

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	1.0	0
Critical hours	2209.0	2184.0	1202.3	2208.0	2209.0	2160.0	2156.8	2040.2
Indicator value	0	0	0.9	0.9	0.9	0.9	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



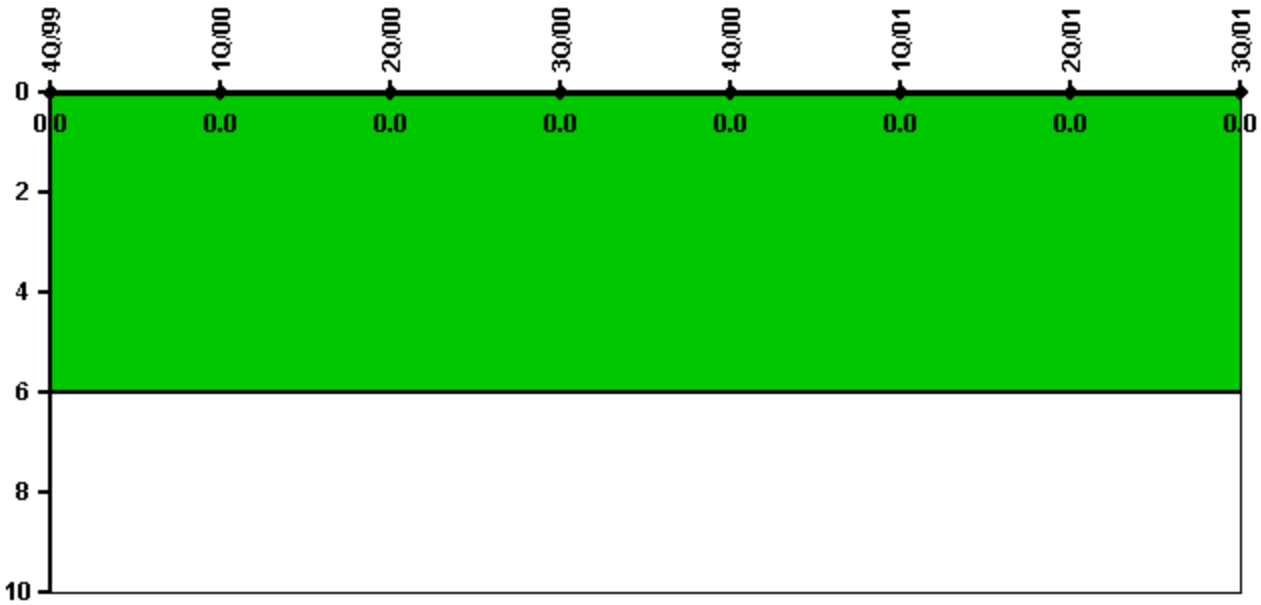
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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



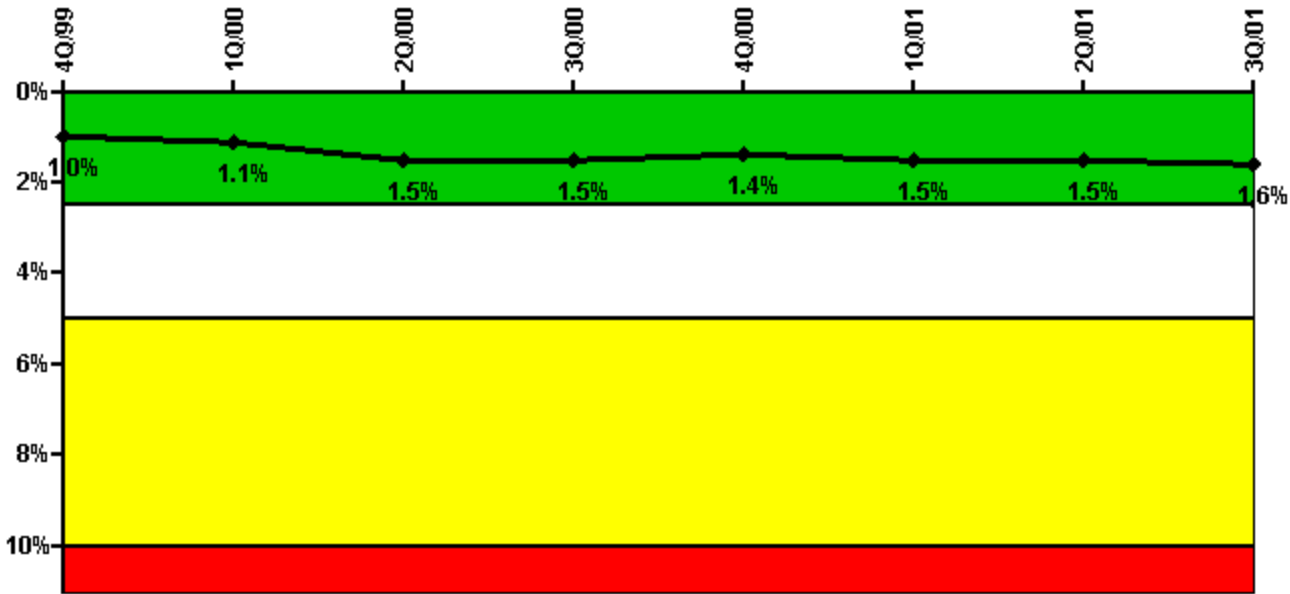
Thresholds: White > 6.0

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	0	0	0	0
Critical hours	2209.0	2184.0	1202.3	2208.0	2209.0	2160.0	2156.8	2040.2
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

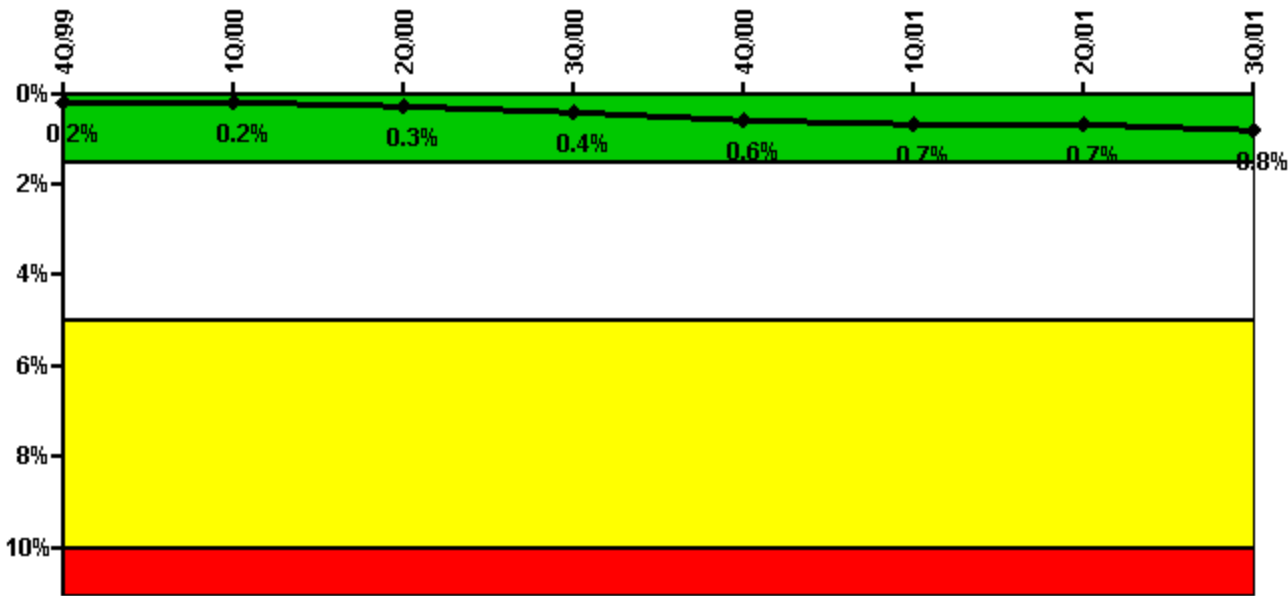
Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	22.66	26.91	106.24	37.00	25.48	34.02	47.22	25.83
Unplanned unavailable hours	0	0	0	0	5.07	0	0	0
Fault exposure hours	0	0	124.50	0	0	0	0	0
Effective Reset hours	0	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	17.55	17.66	15.93	33.55	55.35	17.97	31.27	27.13
Unplanned unavailable hours	0	0	0	0	0	2.60	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	1.0%	1.1%	1.5%	1.5%	1.4%	1.5%	1.5%	1.6%

Licensee Comments:

4Q/00: A review of corrective work orders for the 4th quarter of 2000 determined taht 13.5 hours of unavailability were taken as planned during diesel generator testing. 5.07 of those hours should have been counted as unplanned due to non-safety related component failure in November 2000.

2Q/00: Review of equipment failure determined 124.5 hours of fault exposure should be applied to 2nd quarter 2000 data.

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	10.50	22.64	44.70	27.46	31.62	18.89	30.28	10.61
Unplanned unavailable hours	0	0	0	0	4.25	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	1202.30	2208.00	2209.00	2160.00	2156.76	2040.17
Train 2								
Planned unavailable hours	29.59	2.95	4.96	31.75	57.57	0.91	11.93	5.63
Unplanned unavailable hours	0	0	0	0	0	2.60	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	1202.30	2208.00	2209.00	2160.00	2156.76	2040.17
Indicator value	0.2%	0.2%	0.3%	0.4%	0.6%	0.7%	0.7%	0.8%

Licensee Comments:

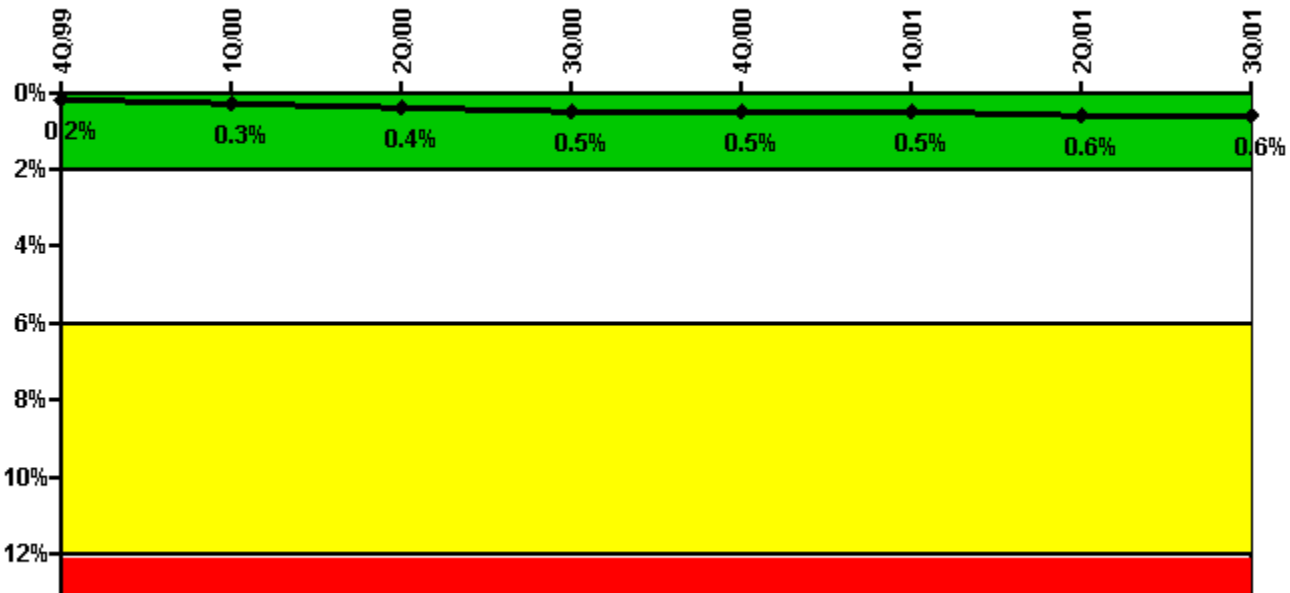
1Q/01: Revised February 2001 data for Train "B" due to inaccurately counting Train "A" unavailability against Train "B".

4Q/00: A review of work performed determined that 4.25 hours of planned unavailability should have been counted as unplanned unavailability in the 4th quarter of 2000.

1Q/00: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

4Q/99: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

Safety System Unavailability, Heat Removal System (AFW)



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

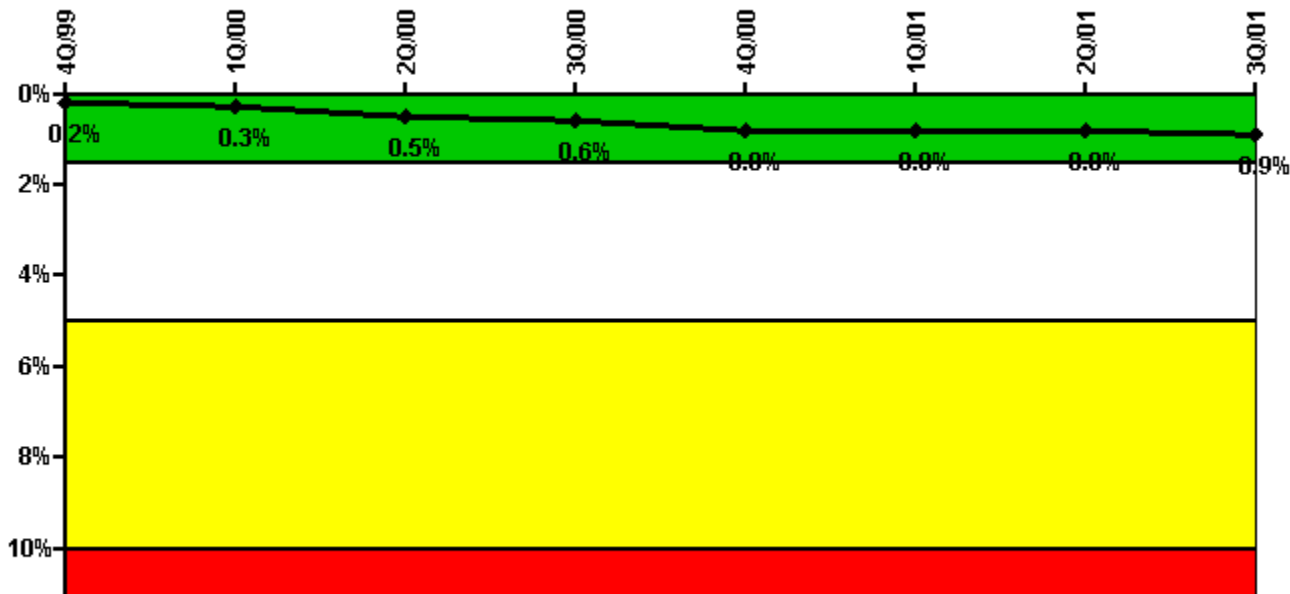
Notes

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	2.87	8.29	51.27	9.06	16.55	10.07	30.33	1.39
Unplanned unavailable hours	0	0	0	5.92	0	0	0.30	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	1202.30	2208.00	2209.00	2160.00	2156.76	2076.00
Train 2								
Planned unavailable hours	6.74	2.25	18.45	13.40	39.62	1.09	10.72	2.22
Unplanned unavailable hours	0	0	0	8.57	0	2.60	15.35	0
Fault exposure hours	0	0	0	0	0	0	17.93	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1202.30	2208.00	2209.00	2160.00	2156.76	2076.00
Train 3								
Planned unavailable hours	3.75	23.18	17.21	1.23	2.84	3.46	3.20	2.90
Unplanned unavailable hours	0	0	0	21.82	0	3.92	3.88	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	1202.30	2208.00	2209.00	2160.00	2156.76	2076.00
Indicator value	0.2%	0.3%	0.4%	0.5%	0.5%	0.5%	0.6%	0.6%

Licensee Comments:

2Q/01: Conservatively reporting fault exposure to Train 3. Evaluation determined that fault exposure should have been reported against Train 2.

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	17.09	24.45	94.71	28.44	31.99	24.15	28.66	3.98
Unplanned unavailable hours	0	0	0	0	4.25	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	22.00	24.27	5.94	32.50	57.65	0.90	9.75	11.99
Unplanned unavailable hours	0	0	0	0	0	2.60	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	0.2%	0.3%	0.5%	0.6%	0.8%	0.8%	0.8%	0.9%

Licensee Comments:

3Q/01: An engineering evaluation is being performed to determine if any Fault Exposure Hours for Train "B" are required for 3rd Quarter for an event that occurred October 1, 2001.

2Q/01: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

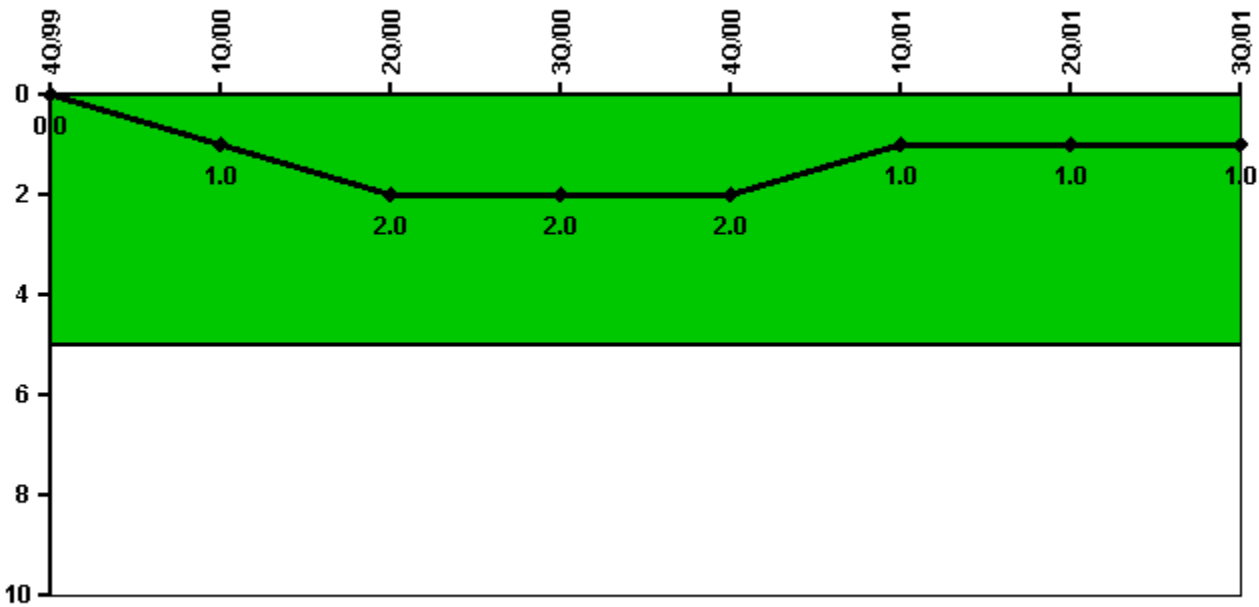
1Q/01: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

4Q/00: A review of work performed determined that 4.25 hours of planned unavailability should have been counted as unplanned unavailability

in the 4th quarter of 2000.

4Q/99: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

Safety System Functional Failures (PWR)



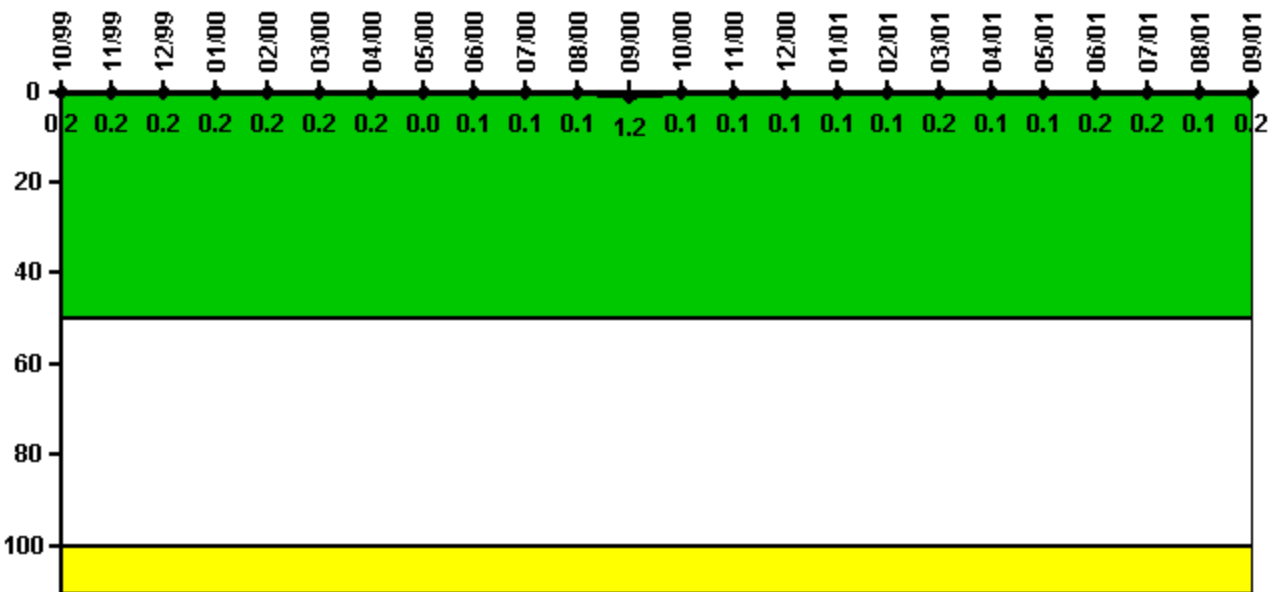
Thresholds: White > 5.0

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	1	1	0	0	0	1	0
Indicator value	0	1	2	2	2	1	1	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

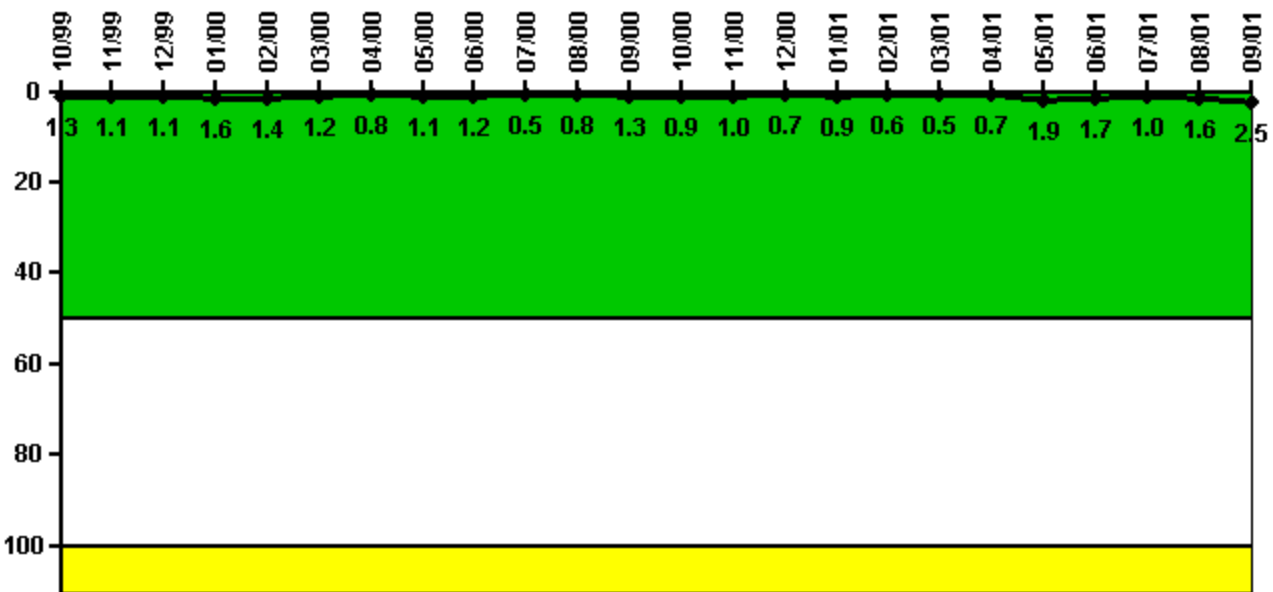
Notes

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	0.000321	0.000320	0.000341	0.000340	0.000347	0.000362	0.000386	0	0.000207	0.000209	0.000231	0.002411
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0.1	0.1	0.1	1.2

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	0.000247	0.000248	0.000253	0.000260	0.000270	0.000320	0.000286	0.000282	0.000310	0.000301	0.000295	0.000317
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	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

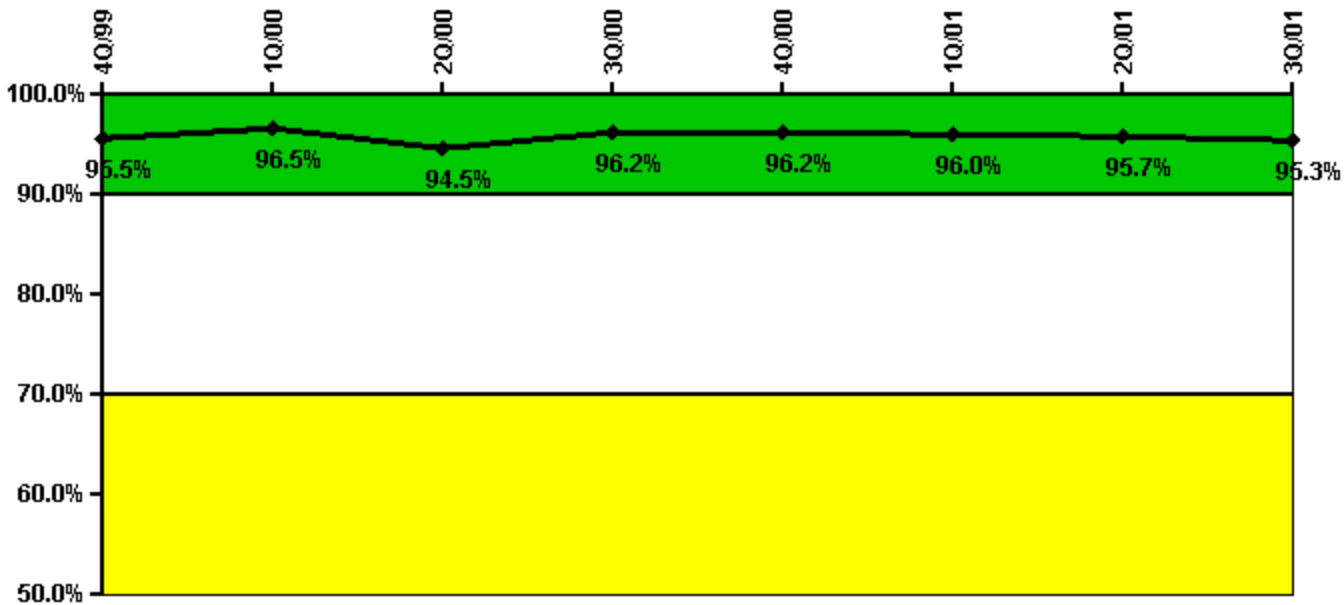
Notes

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	0.133	0.111	0.107	0.162	0.145	0.118	0.081	0.112	0.115	0.047	0.078	0.134
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	1.3	1.1	1.1	1.6	1.4	1.2	0.8	1.1	1.2	0.5	0.8	1.3

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	0.090	0.102	0.072	0.088	0.062	0.054	0.070	0.193	0.173	0.097	0.156	0.248
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	0.9	1.0	0.7	0.9	0.6	0.5	0.7	1.9	1.7	1.0	1.6	2.5

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	5.0	42.0	23.0	0	2.0	25.0	56.0	8.0
Total opportunities	6.0	42.0	24.0	0	2.0	26.0	58.0	11.0
Indicator value	95.5%	96.5%	94.5%	96.2%	96.2%	96.0%	95.7%	95.3%

Licensee Comments:

3Q/01: An in-depth review of all DEP data from 1998 to present was performed. Minor tabulation errors were found that resulted in revision to data for the second and third quarters of 2001.

2Q/01: An in-depth review of all DEP data from 1998 to present was performed. Minor tabulation errors were found that resulted in revision to data for the second and third quarters of 2001.

2Q/01: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

4Q/99: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

3Q/99: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

2Q/99: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

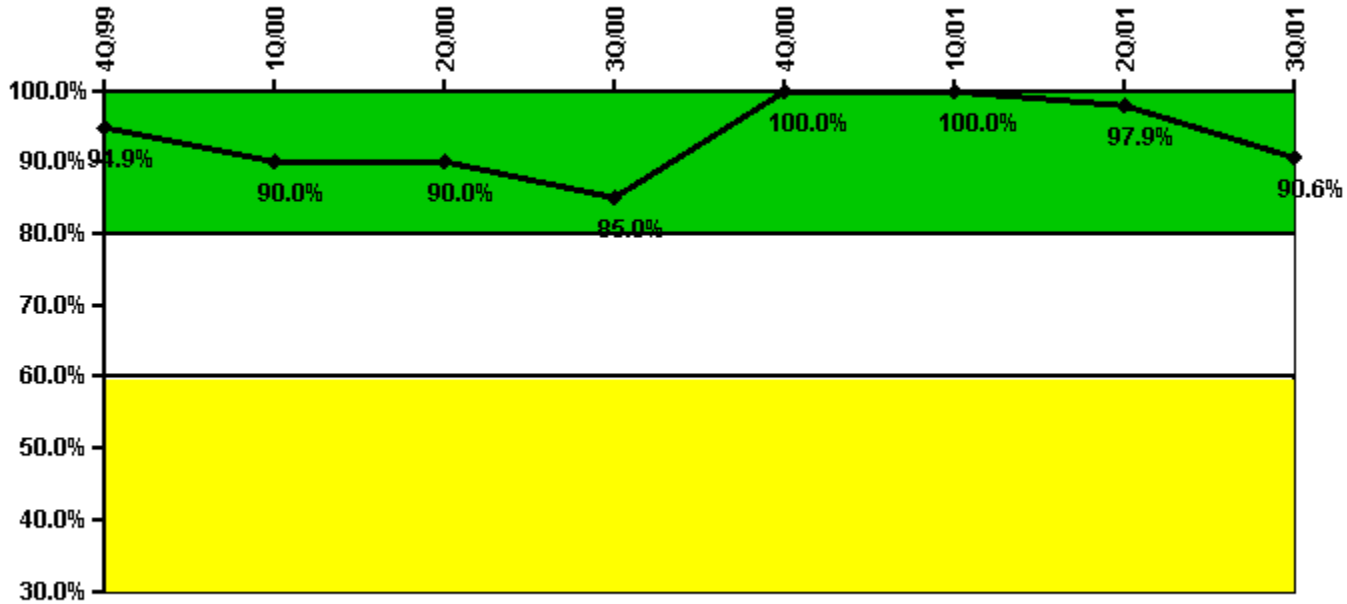
3Q/98: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

2Q/98: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

1Q/98: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation

errors were detected. The revised numbers did not change the "green" status of this indicator.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

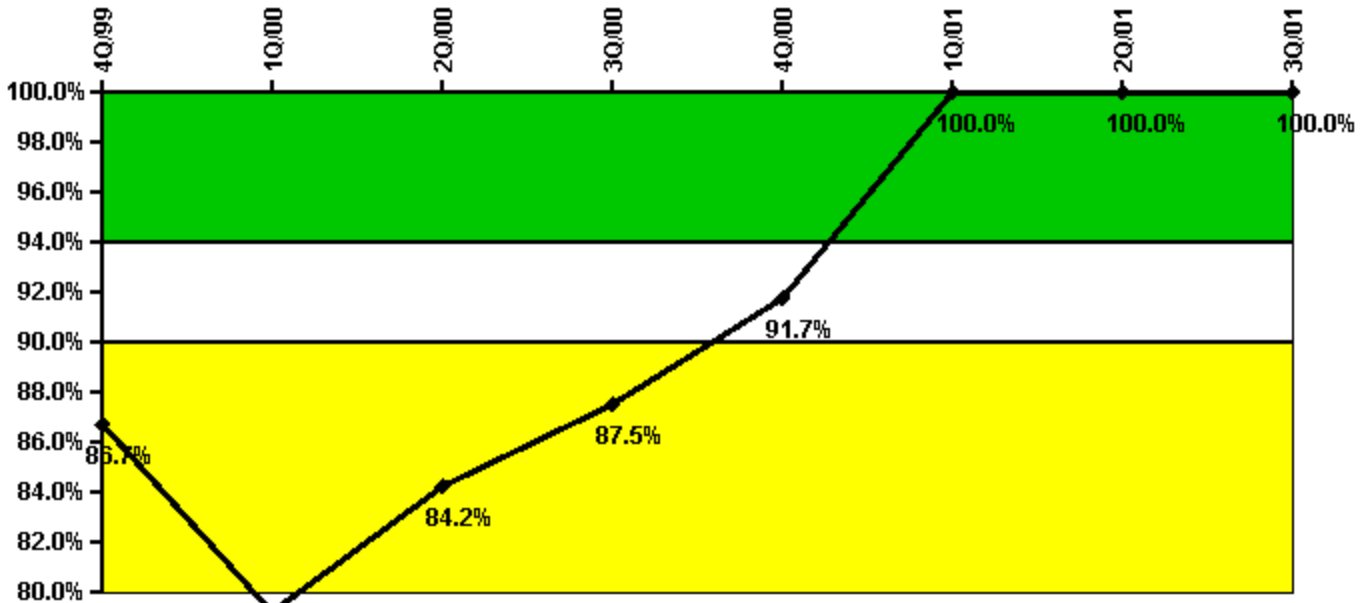
ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	37.0	36.0	36.0	34.0	40.0	39.0	47.0	48.0
Total Key personnel	39.0	40.0	40.0	40.0	40.0	39.0	48.0	53.0
Indicator value	94.9%	90.0%	90.0%	85.0%	100.0%	100.0%	97.9%	90.6%

Licensee Comments:

3Q/01: An in-depth review of all DEP data from 1998 to present was performed. Minor tabulation errors were found that resulted in revision to data for the second and third quarters of 2001.

2Q/01: An in-depth review of all DEP data from 1998 to present was performed. Minor tabulation errors were found that resulted in revision to data for the second and third quarters of 2001.

Alert & Notification System



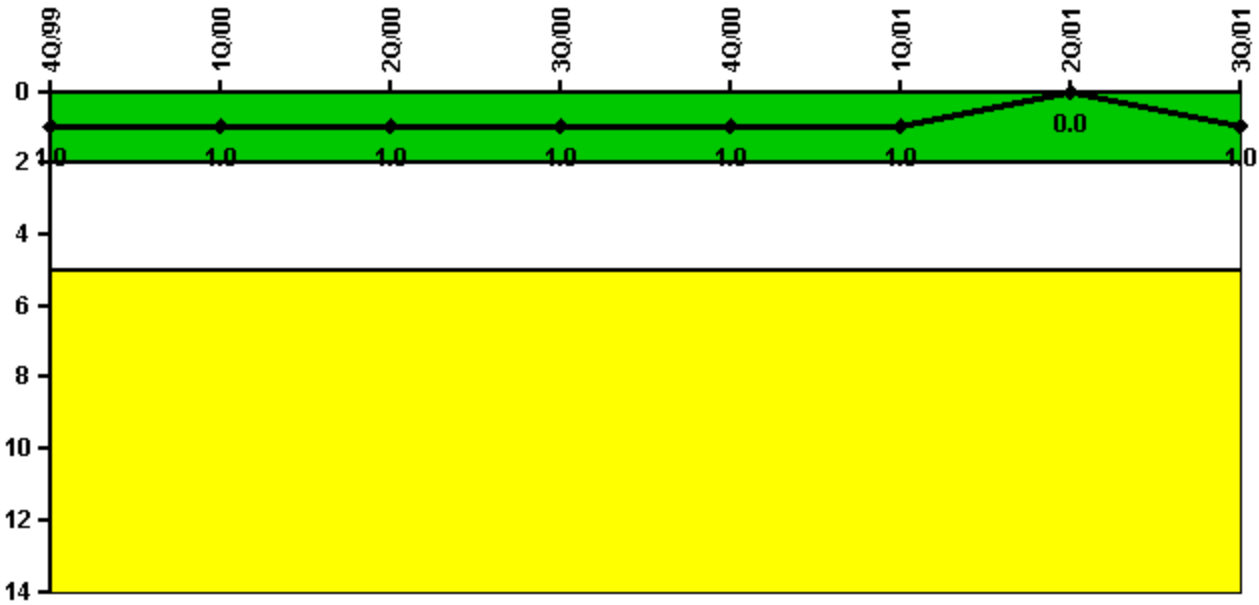
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	65	52	78	78	78	78	78	78
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	86.7%	79.2%	84.2%	87.5%	91.7%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



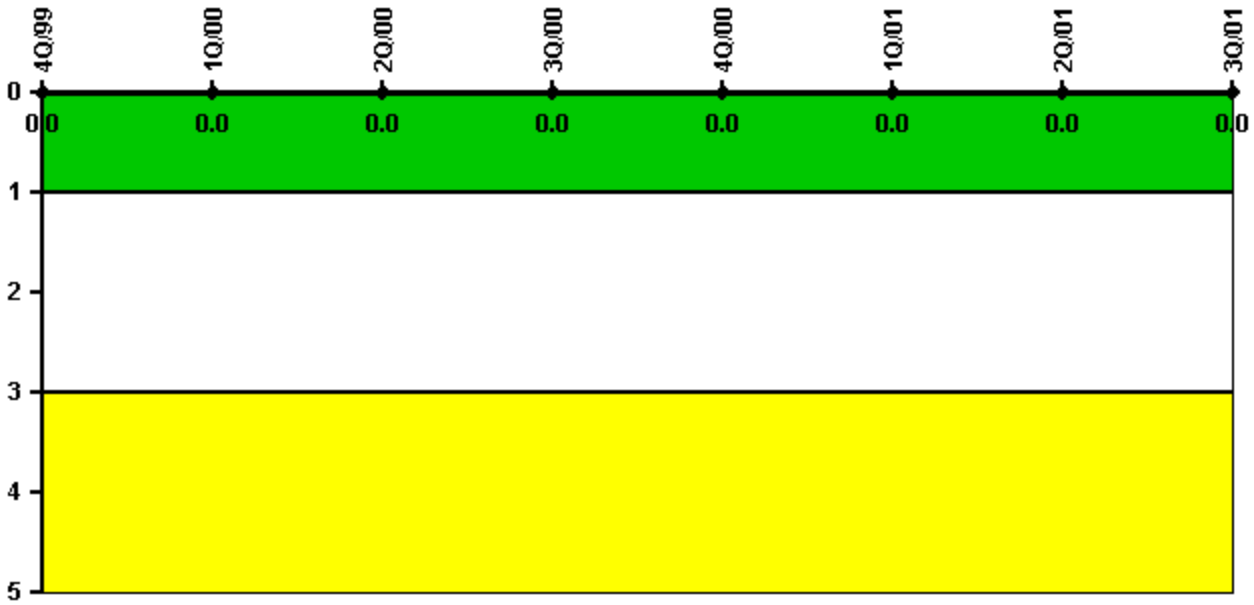
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



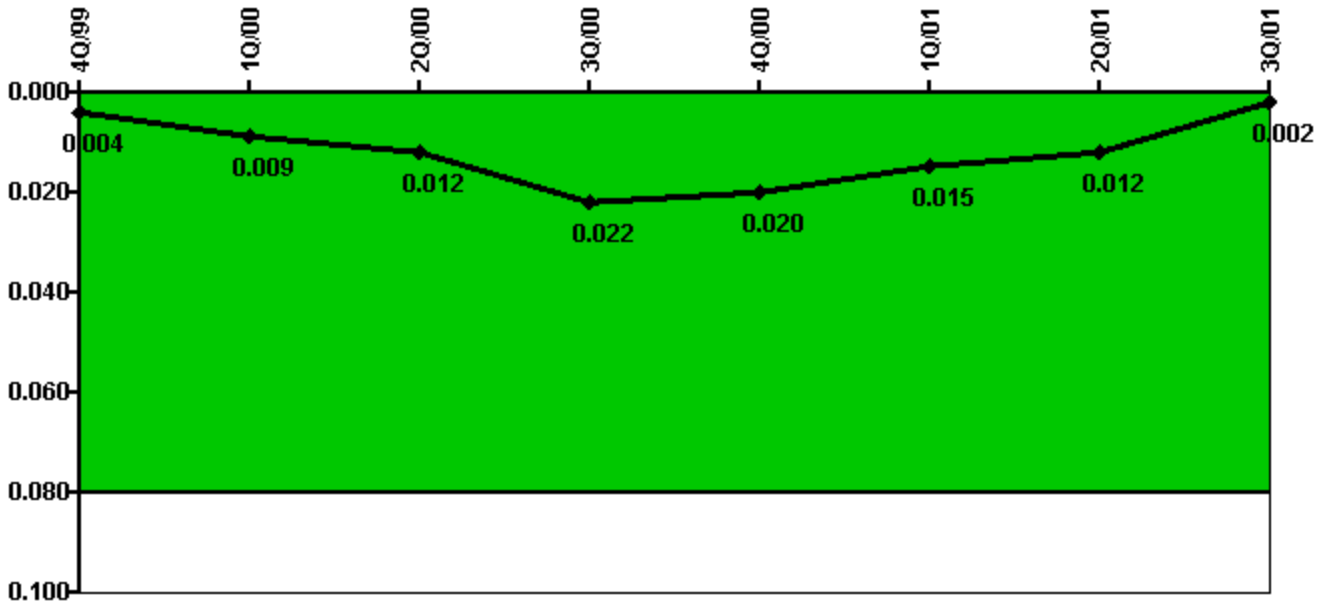
Thresholds: White > 1.0 Yellow > 3.0

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

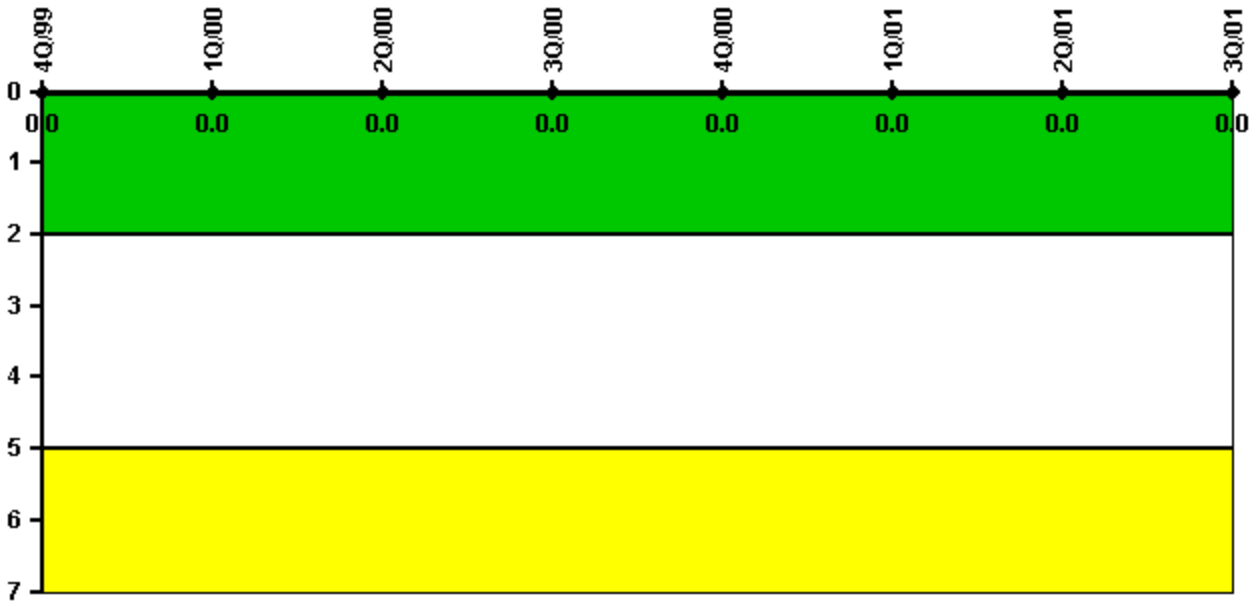
Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	26.00	56.50	73.50	179.70	0	0.50	9.70	1.70
CCTV compensatory hours	33.5	20.0	0.1	0	16.5	0	0	0
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	0.004	0.009	0.012	0.022	0.020	0.015	0.012	0.002

Licensee Comments:

2Q/01: Data for second quarter 2001 was changed from 9.4 to 9.7 hours. This was due to a data conversion error.

Personnel Screening Program



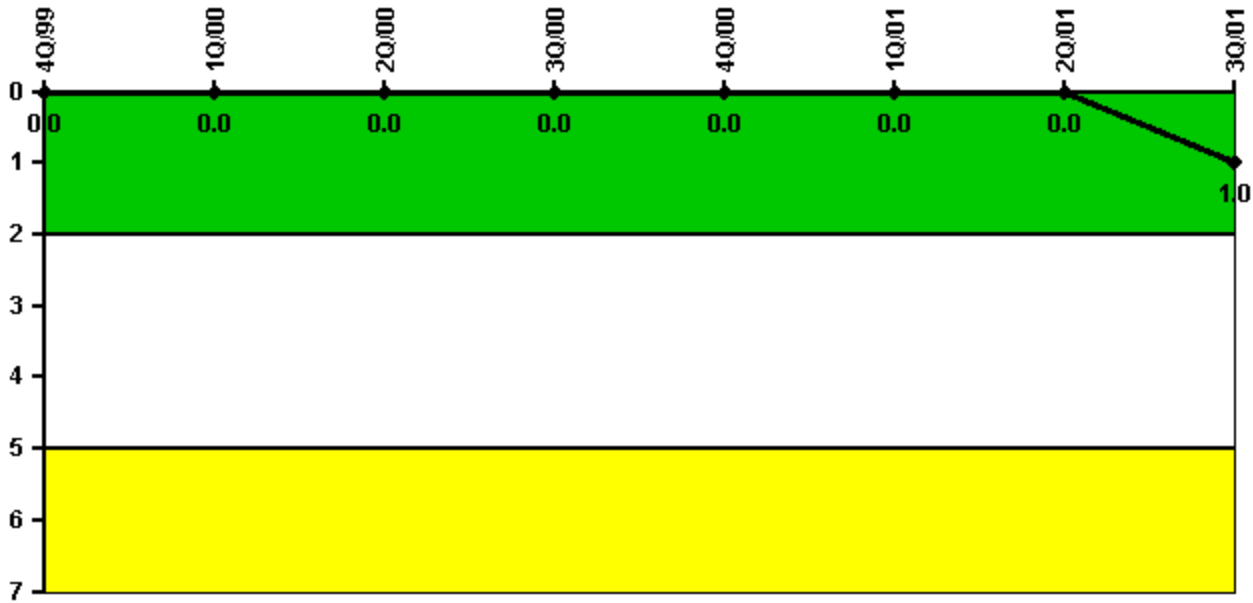
Thresholds: White > 2.0 Yellow > 5.0

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	1
Indicator value	0	0	0	0	0	0	0	1

Licensee Comments: none

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

Last Modified: March 26, 2002