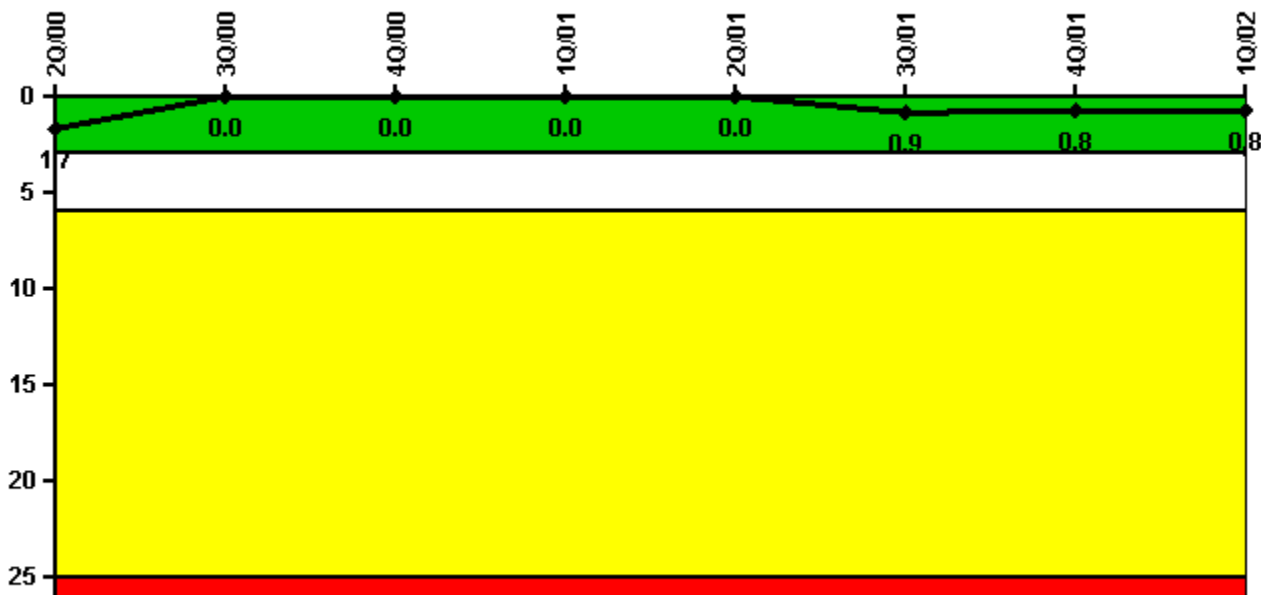


# Oconee 1

## 1Q/2002 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



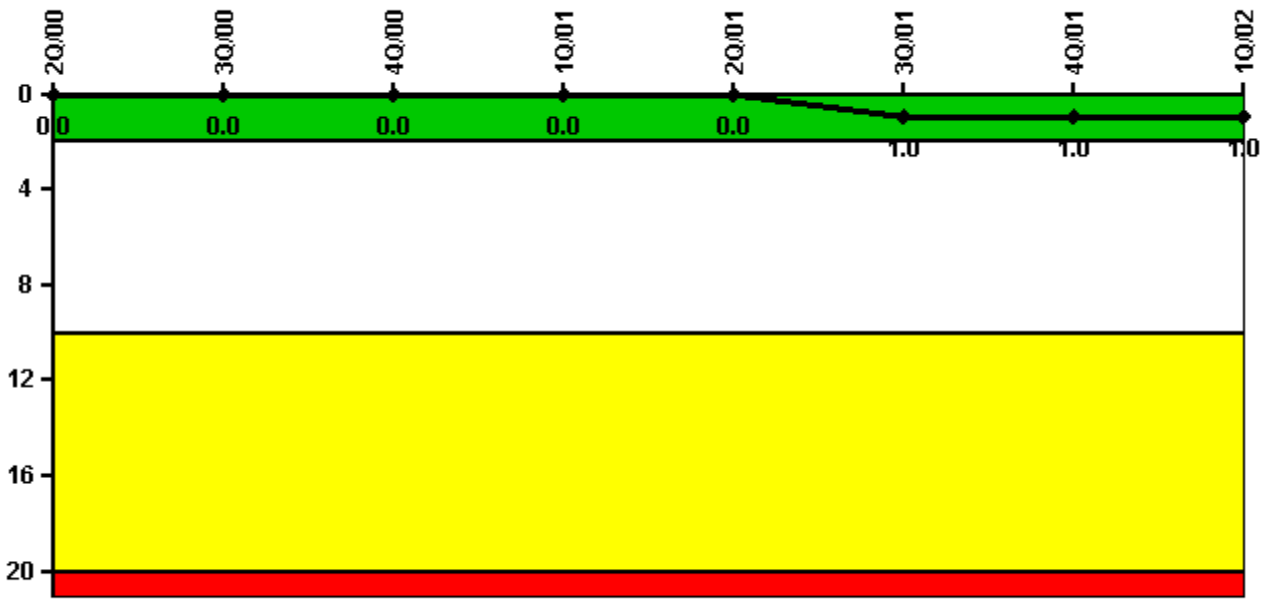
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	2208.0	1275.4	1871.0	2183.0	2143.4	2209.0	1949.4
Indicator value	1.7	0	0	0	0	0.9	0.8	0.8

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



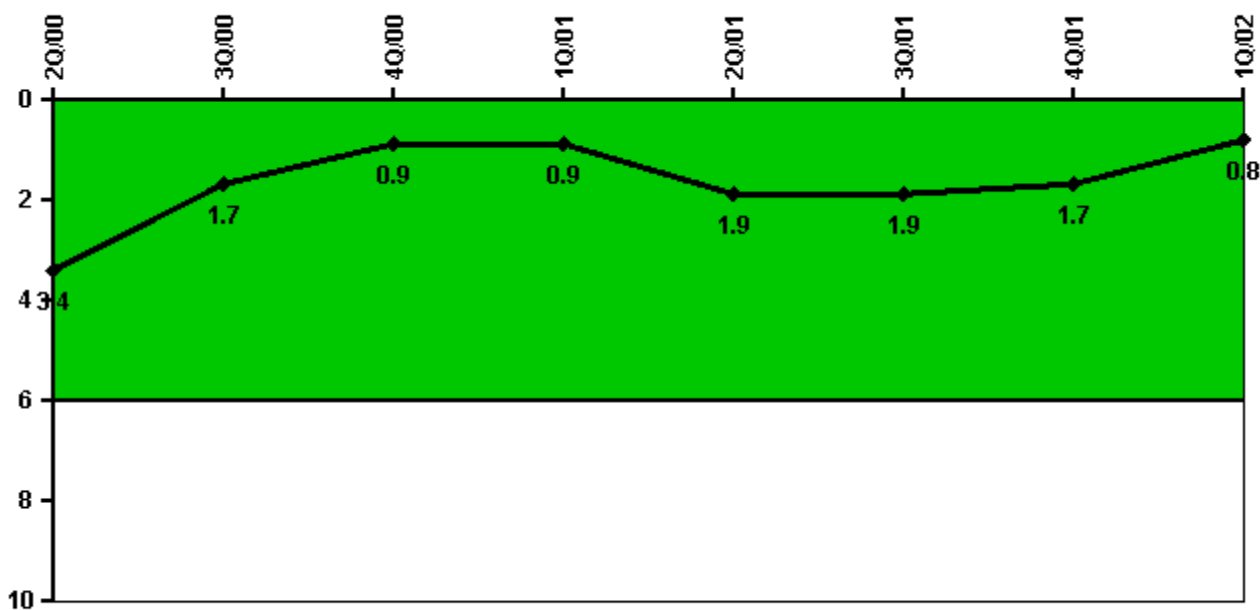
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	0	0	0	0	0	1.0	0	0
Indicator value	0	0	0	0	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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	2184.0	2208.0	1275.4	1871.0	2183.0	2153.4	2209.0	1949.4
Indicator value	3.4	1.7	0.9	0.9	1.9	1.9	1.7	0.8

Licensee Comments: none

**Safety System Unavailability, HEG**

**Thresholds  
under  
development /  
review**

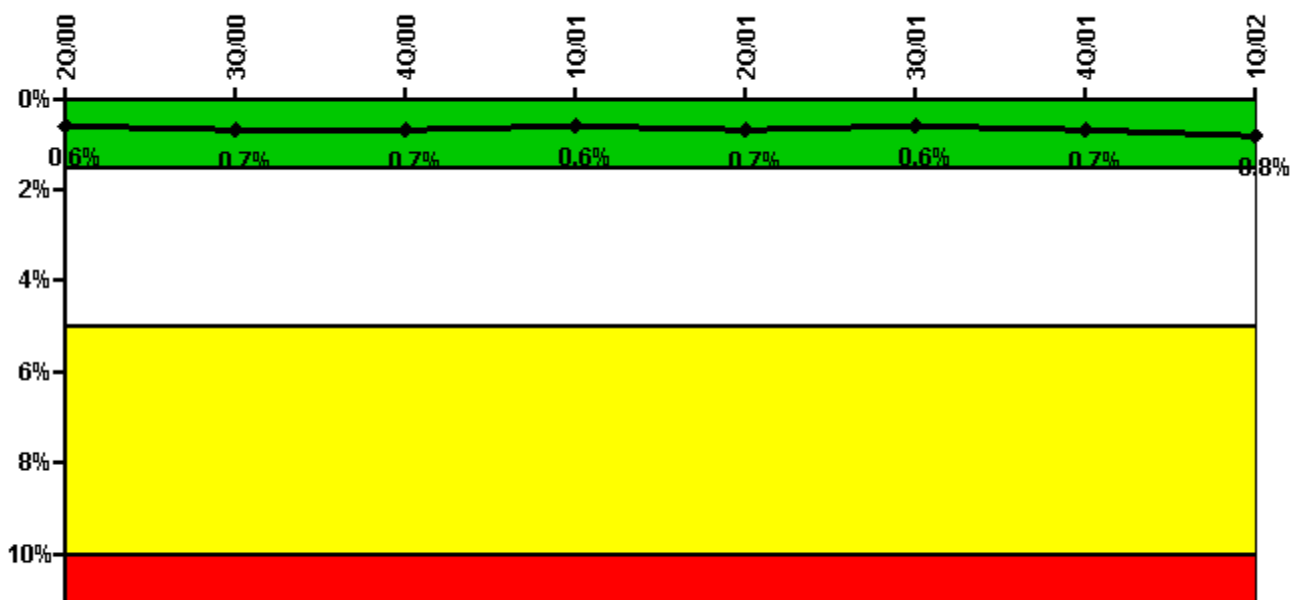
**Notes**

Safety System Unavailability, HEG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	102.25	33.23	111.97	50.77	27.98	88.19	38.17	99.01
Unplanned unavailable hours	0	0	0	0	0	50.40	0	39.74
Fault exposure hours	0	0	0	0	0	14.26	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2000.75
<b>Train 2</b>								
Planned unavailable hours	15.42	64.77	0.95	18.07	0	0	5.29	86.79
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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2000.75
<b>Indicator value</b>	<b>1.9%</b>	<b>1.9%</b>	<b>2.0%</b>	<b>2.1%</b>	<b>2.1%</b>	<b>2.3%</b>	<b>2.3%</b>	<b>2.6%</b>

Licensee Comments:

1Q/02: The FAQ for reporting the Keowee Hydro Emergency AC Power system is still under review by the NRC.

### Safety System Unavailability, High Pressure Injection System (HPSI)



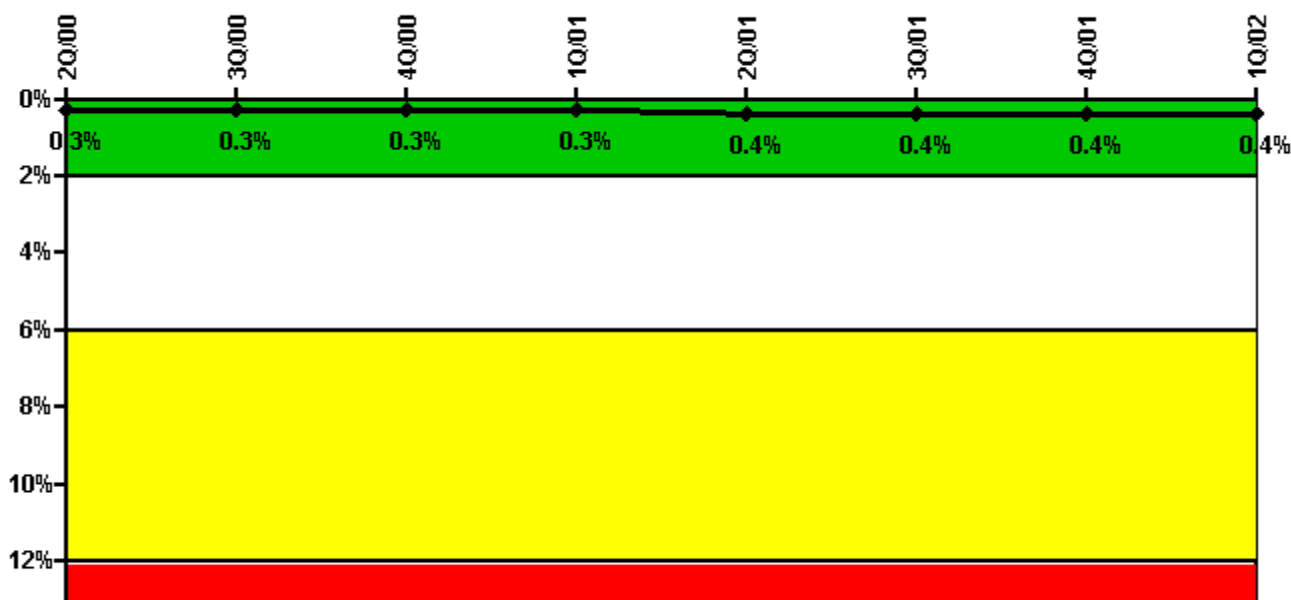
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	15.31	41.13	3.39	3.51	7.39	13.89	5.23	36.26
Unplanned unavailable hours	0	2.49	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	2184.00	2208.00	1286.00	1932.00	2184.00	2208.00	2209.00	1955.20
<b>Train 2</b>								
Planned unavailable hours	19.66	41.45	8.35	3.79	9.71	5.14	11.30	40.22
Unplanned unavailable hours	0	2.49	0	1.67	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	2184.00	2208.00	1286.00	1932.00	2184.00	2208.00	2209.00	1955.20
Indicator value	0.6%	0.7%	0.7%	0.6%	0.7%	0.6%	0.7%	0.8%

Licensee Comments: none

### Safety System Unavailability, Heat Removal System (AFW)



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

#### Notes

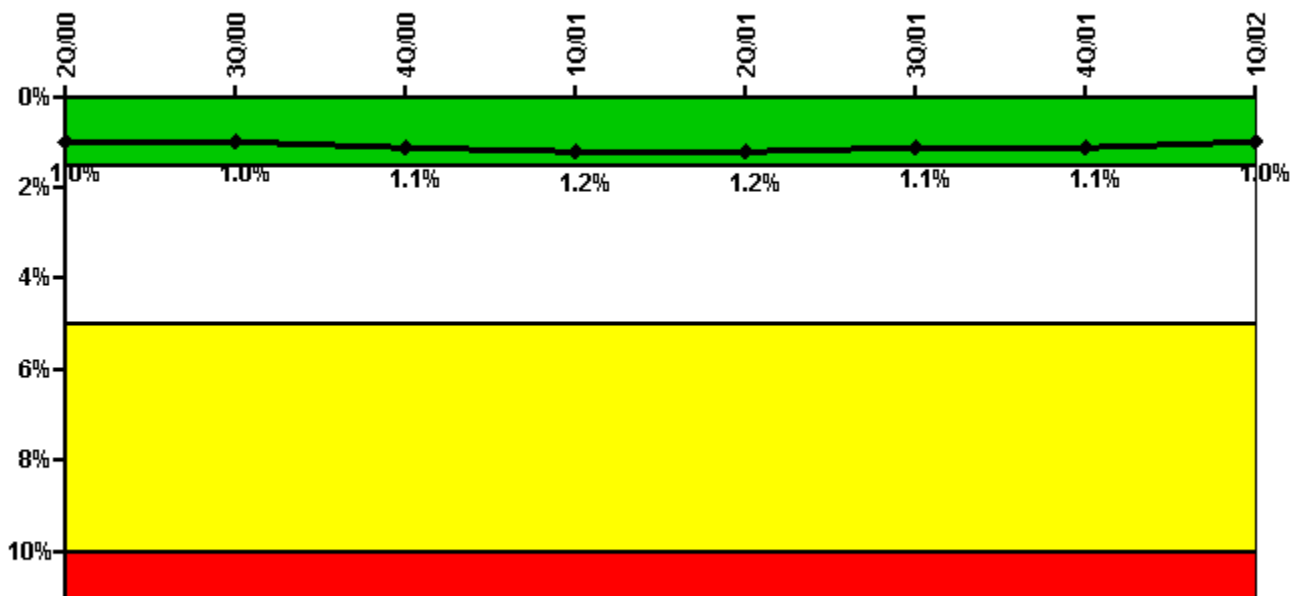
Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	4.90	3.30	0	7.90	1.70	13.90	2.00	13.30
Unplanned unavailable hours	0	2.40	0	0	0	0	0	4.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	1296.00	1944.00	2184.00	2208.00	2209.00	1964.00
<b>Train 2</b>								
Planned unavailable hours	6.30	7.80	0	9.40	0	2.10	1.80	13.40
Unplanned unavailable hours	0	0	0	0	49.20	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	2184.00	2208.00	1296.00	1944.00	2184.00	2208.00	2209.00	1964.00
<b>Train 3</b>								
Planned unavailable hours	8.50	21.90	0	3.00	21.70	4.40	7.50	5.10
Unplanned unavailable hours	0	4.70	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	2184.00	2208.00	1296.00	1944.00	2184.00	2208.00	2209.00	1964.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>

#### Licensee Comments:

1Q/02: 246.8 T/2 Fault Exposure hours encountered for knob on 1FDW-315 that separated from shaft during valve stroke testing. Failure rendered valve inoperable for manual operation from the Control Room, (ref. PIP 02-287). The 1B MDEFWP bearing event of 2Q2001 is still being reviewed by the NRC.

2Q/01: The 49.2 hours of unplanned unavailable time were incorrectly reported as fault exposure hours. These are the hours for the maintenance repair on 1B MDEFWP pump.

### Safety System Unavailability, Residual Heat Removal System



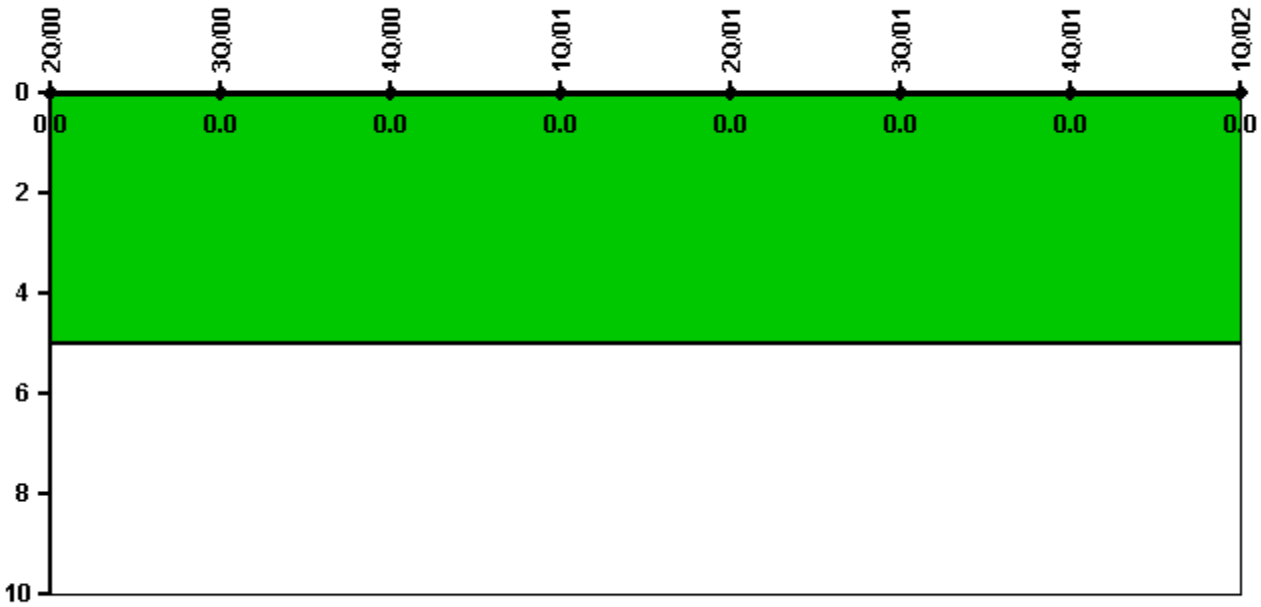
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	24.52	5.20	16.20	11.50	19.20	19.20	9.90	32.20
Unplanned unavailable hours	0	0	15.00	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	19.32	4.60	18.50	12.20	10.70	13.00	9.40	21.70
Unplanned unavailable hours	0	0	15.00	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.0%	1.0%	1.1%	1.2%	1.2%	1.1%	1.1%	1.0%

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

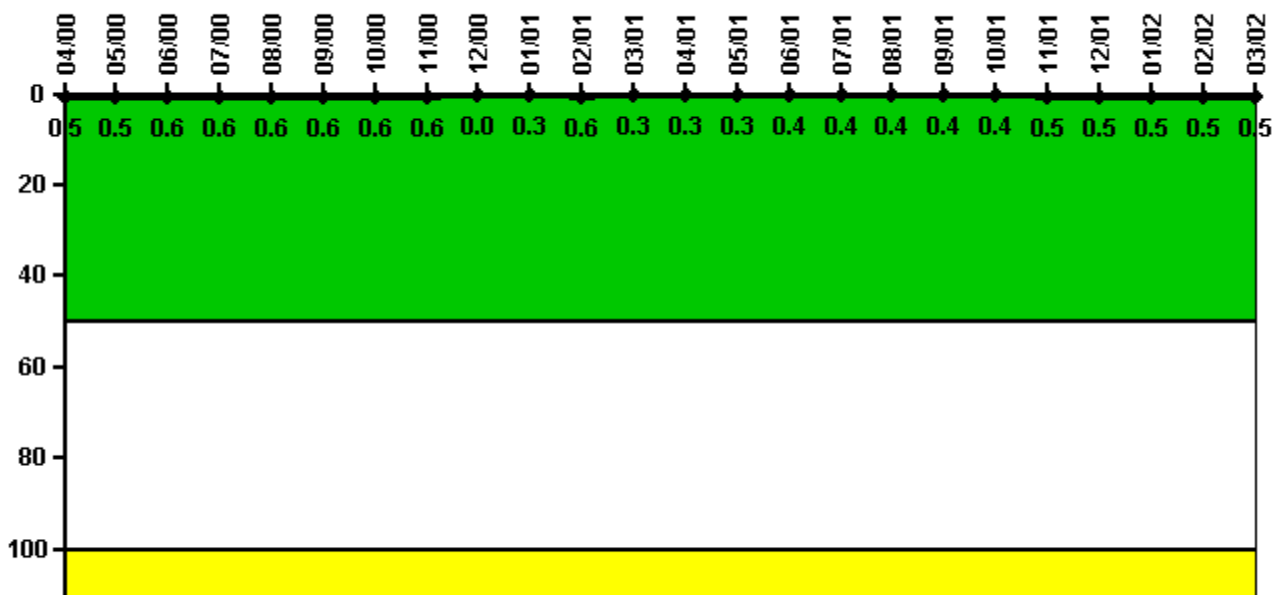
#### Notes

Safety System Functional Failures (PWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
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

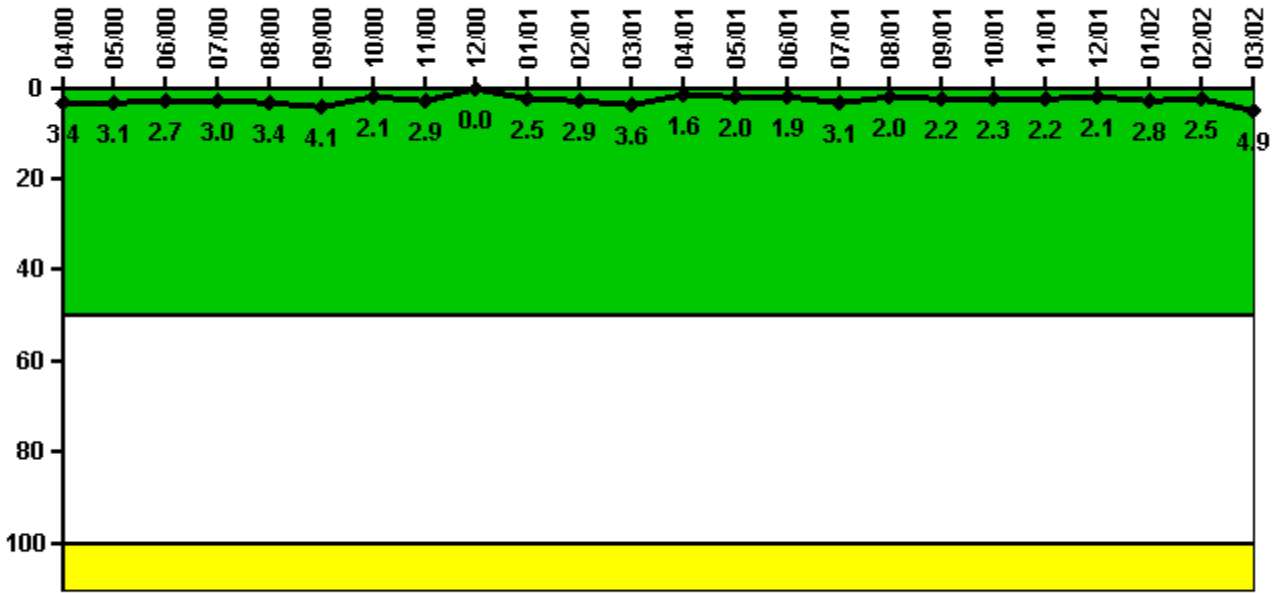
Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.004574	0.005265	0.005631	0.005709	0.005660	0.006433	0.006372	0.006462	0	0.002600	0.006100	0.002600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0	0.3	0.6	0.3

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.003200	0.003200	0.003600	0.003600	0.004100	0.003800	0.004400	0.004900	0.005100	0.004800	0.005100	0.005300
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	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

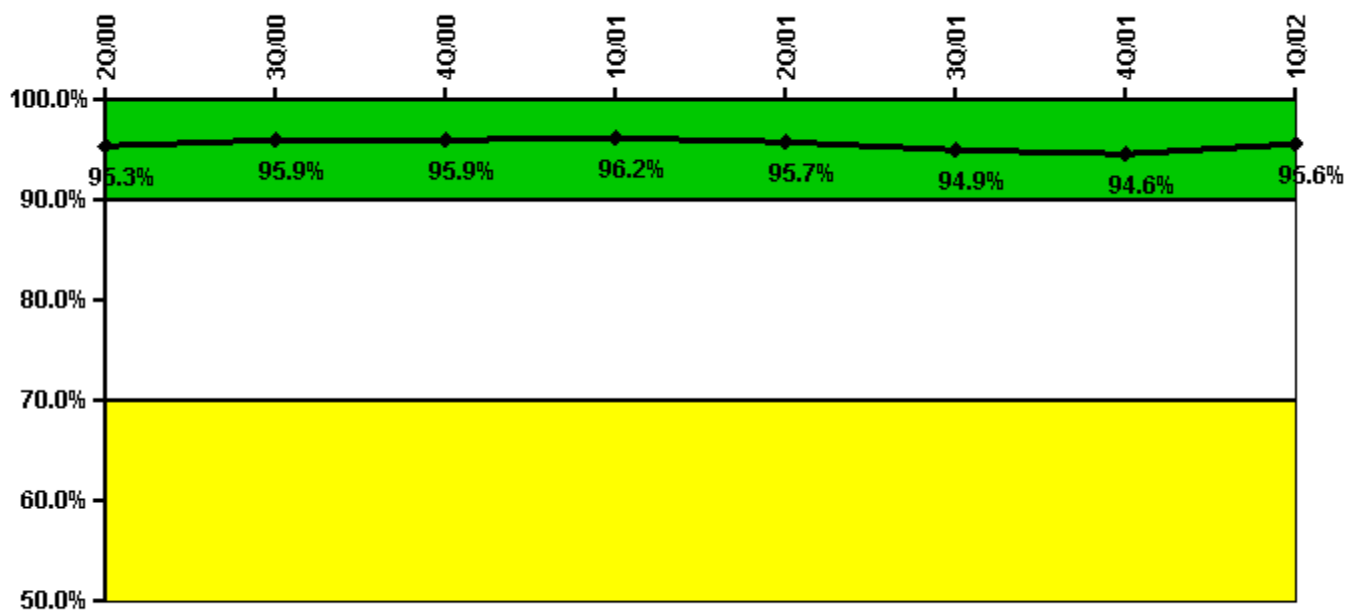
Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.340	0.310	0.270	0.300	0.340	0.410	0.210	0.290	0	0.250	0.290	0.360
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.4	3.1	2.7	3.0	3.4	4.1	2.1	2.9	0	2.5	2.9	3.6

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.160	0.200	0.190	0.310	0.200	0.220	0.230	0.220	0.210	0.280	0.250	0.490
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	1.6	2.0	1.9	3.1	2.0	2.2	2.3	2.2	2.1	2.8	2.5	4.9

Licensee Comments: none

### Drill/Exercise Performance



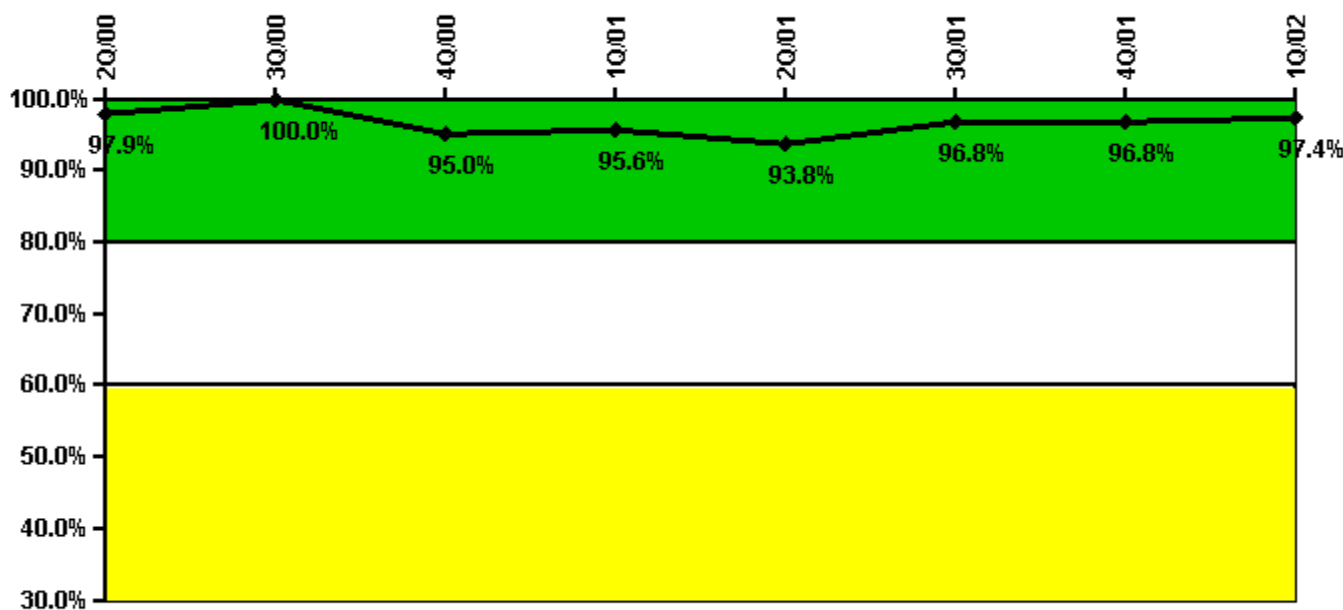
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	71.0	17.0	38.0	22.0	23.0	48.0	9.0	12.0
Total opportunities	74.0	17.0	39.0	22.0	25.0	52.0	10.0	12.0
Indicator value	95.3%	95.9%	95.9%	96.2%	95.7%	94.9%	94.6%	95.6%

Licensee Comments: none

### ERO Drill Participation



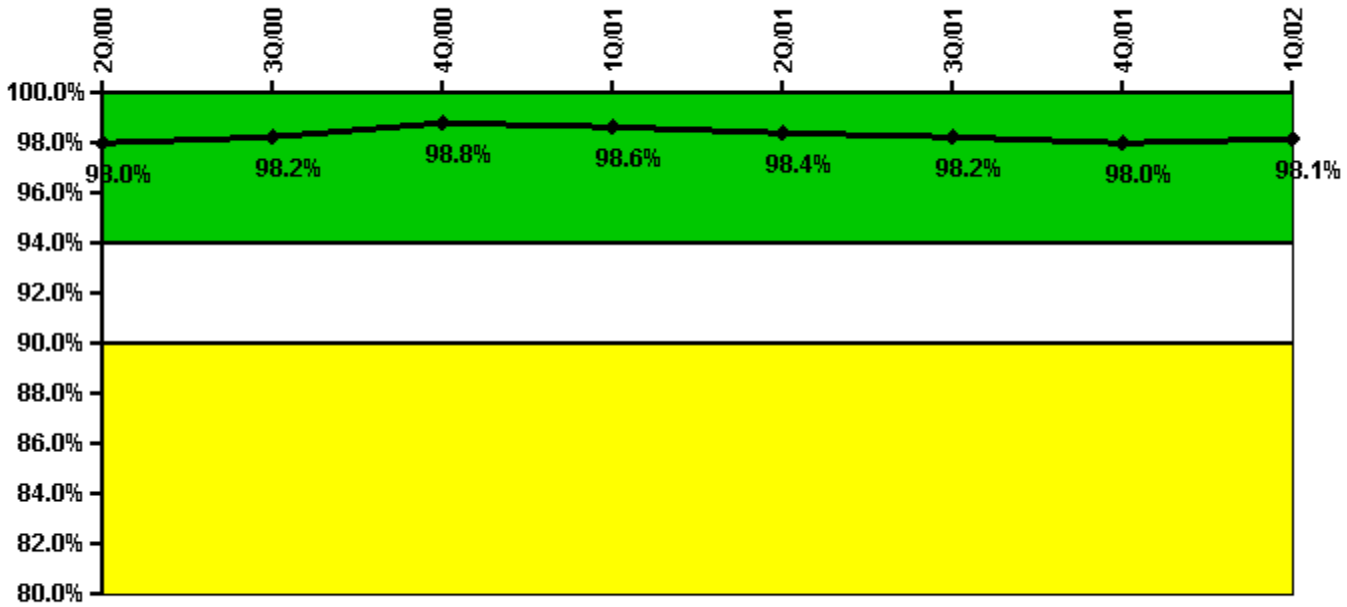
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	137.0	138.0	132.0	131.0	135.0	150.0	150.0	149.0
Total Key personnel	140.0	138.0	139.0	137.0	144.0	155.0	155.0	153.0
Indicator value	97.9%	100.0%	95.0%	95.6%	93.8%	96.8%	96.8%	97.4%

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	1205	1194	1320	1304	1246	1084	1154	1092
Total sirens-tests	1225	1211	1330	1330	1275	1108	1172	1109
Indicator value	98.0%	98.2%	98.8%	98.6%	98.4%	98.2%	98.0%	98.1%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



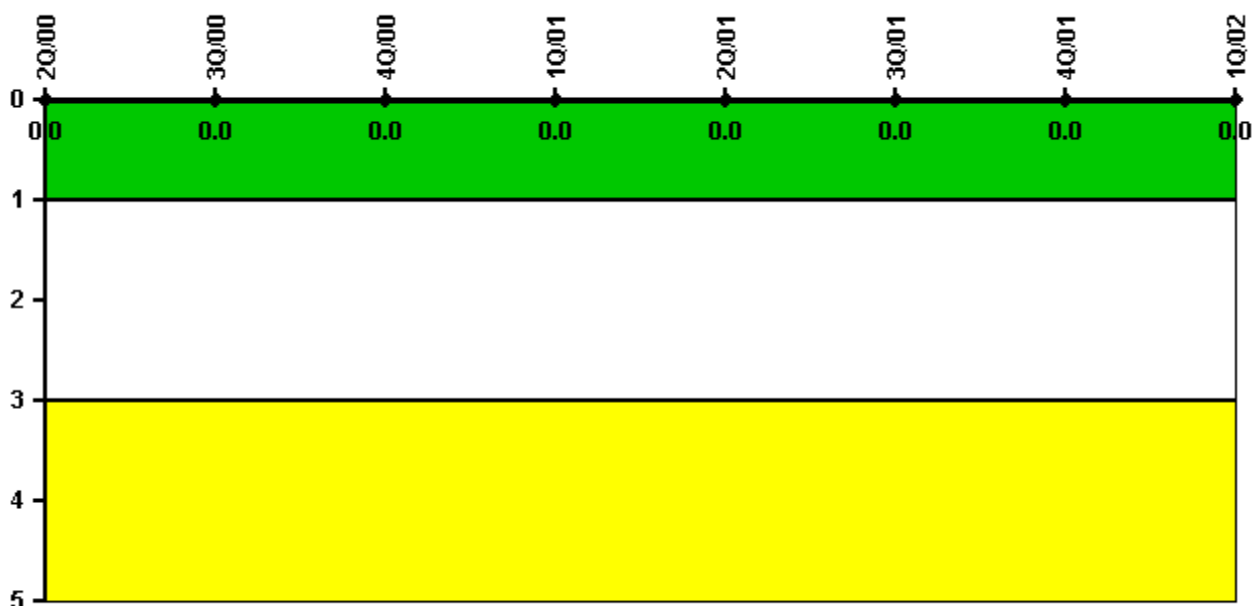
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
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



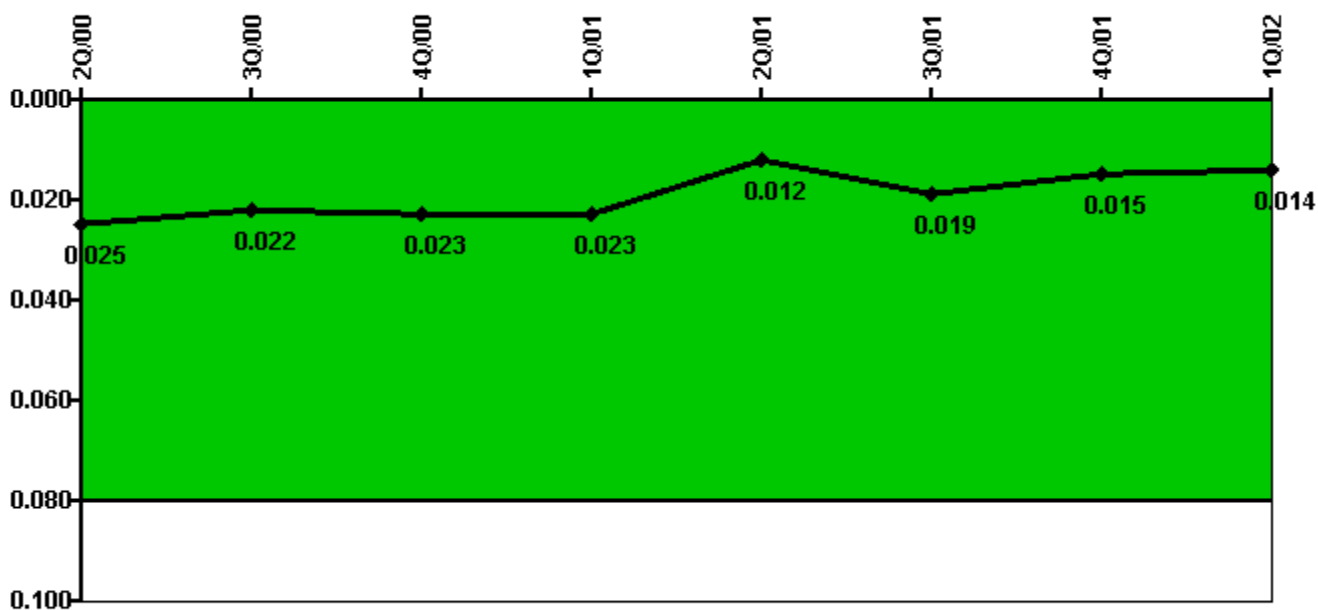
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
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

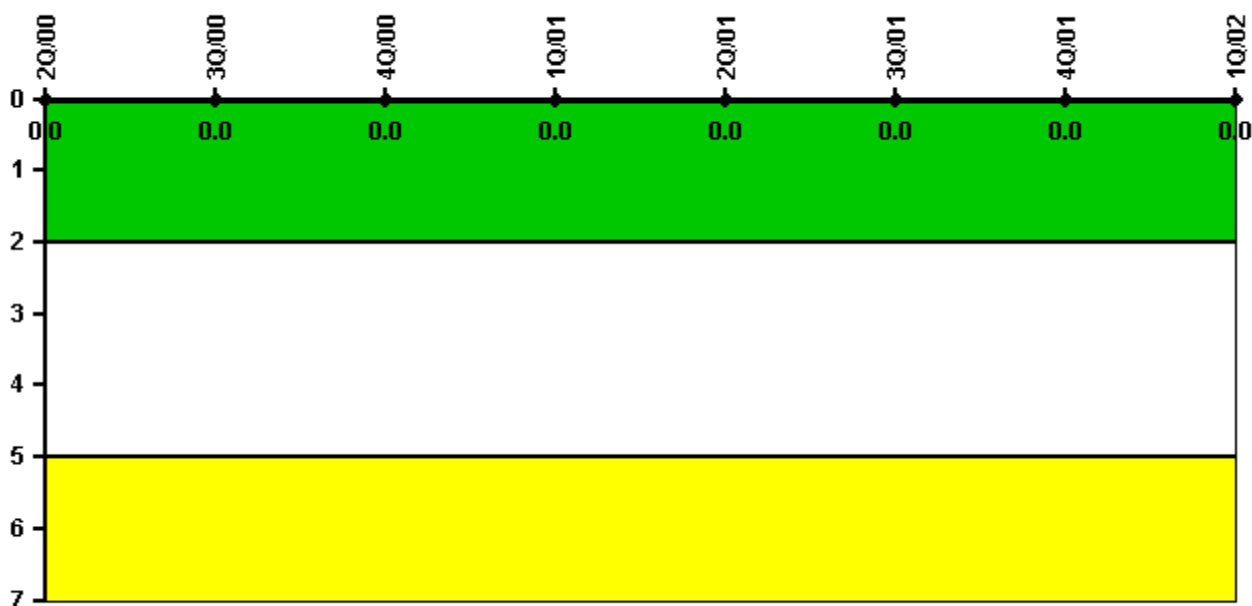
#### Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	664.00	162.00	225.00	64.00	91.00	457.00	30.00	26.00
CCTV compensatory hours	1.0	8.0	0	1.0	14.0	11.0	0	0
IDS normalization factor	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.025	0.022	0.023	0.023	0.012	0.019	0.015	0.014

Licensee Comments: none



### Personnel Screening Program



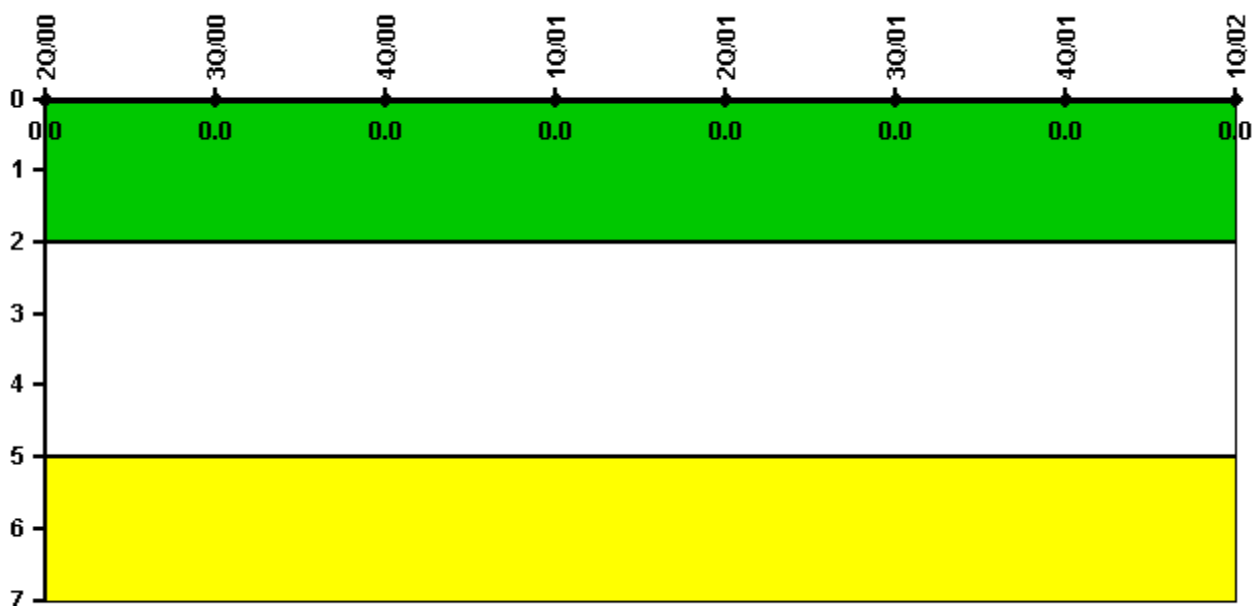
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
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](#) | [Reactor Oversight Process](#)

Last Modified: May 1, 2002