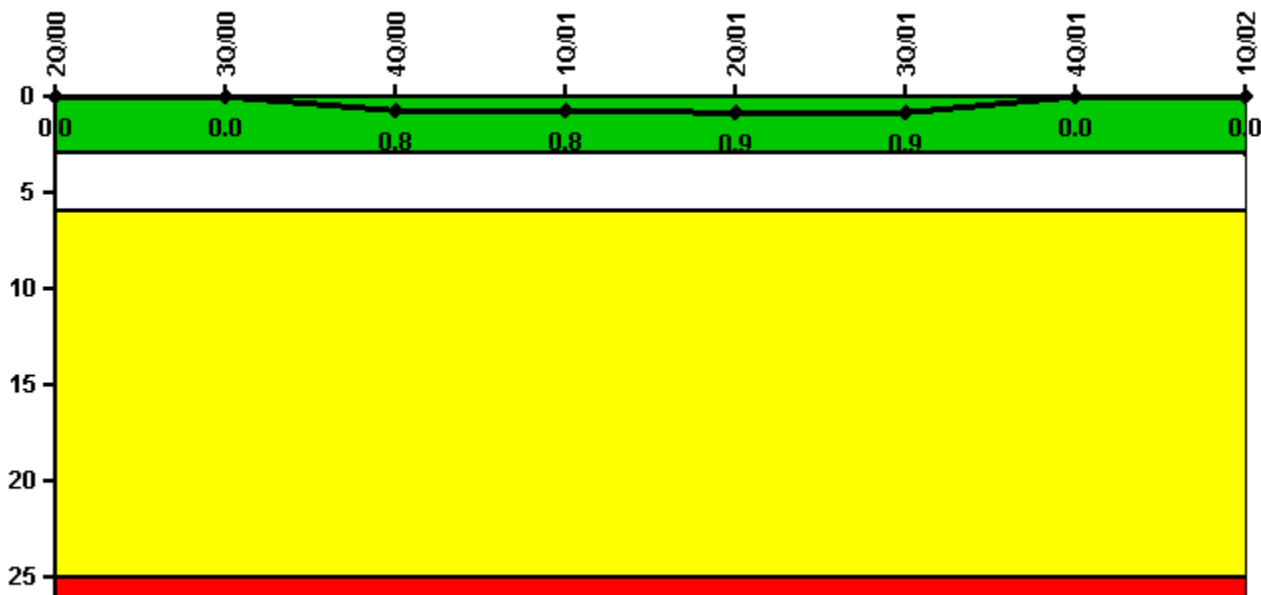


# Quad Cities 1

## 1Q/2002 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



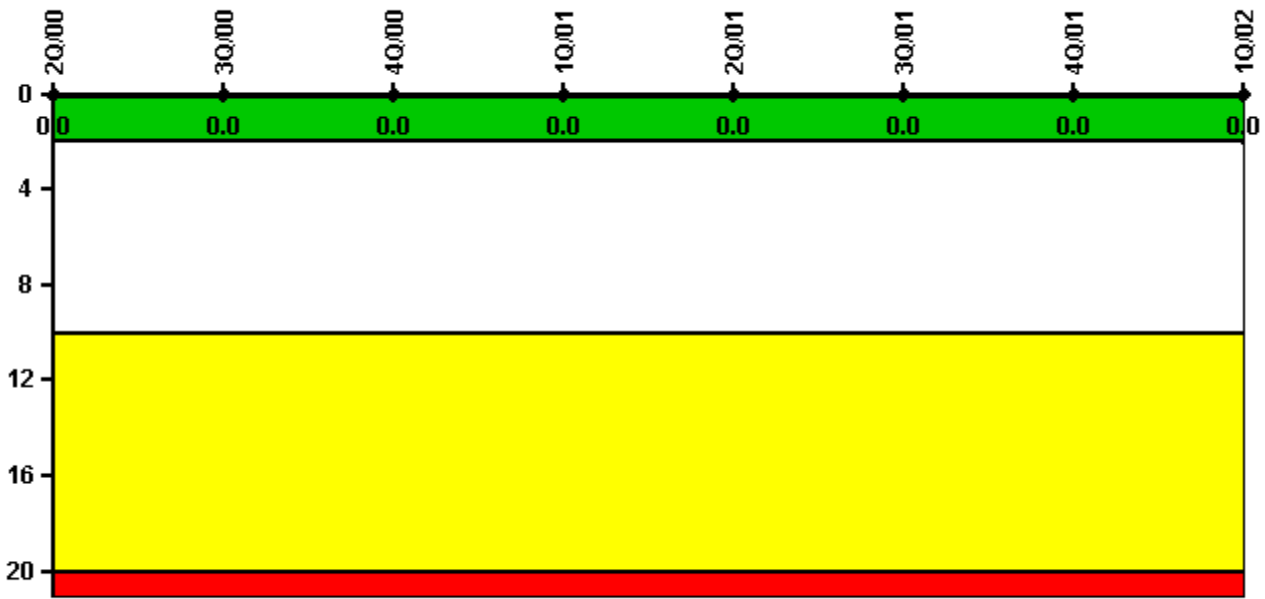
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0	0	0
Critical hours	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0	2209.0	1556.1
Indicator value	0	0	0.8	0.8	0.9	0.9	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



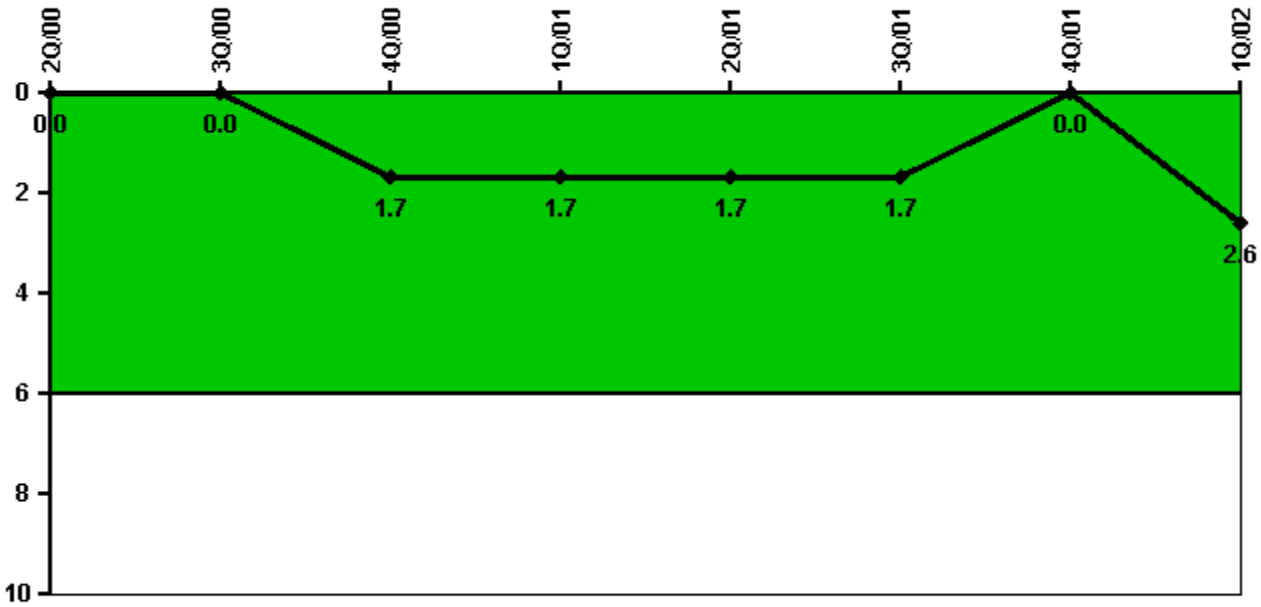
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



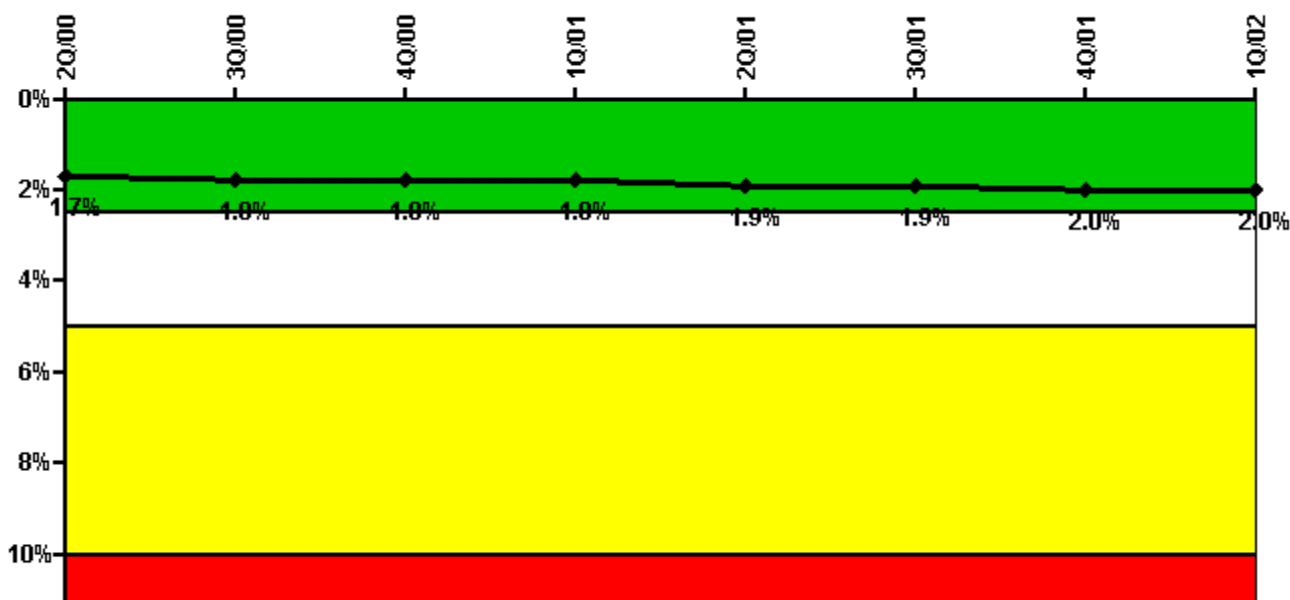
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	2.0	0	0	0	0	3.0
Critical hours	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0	2209.0	1556.1
Indicator value	0	0	1.7	1.7	1.7	1.7	0	2.6

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



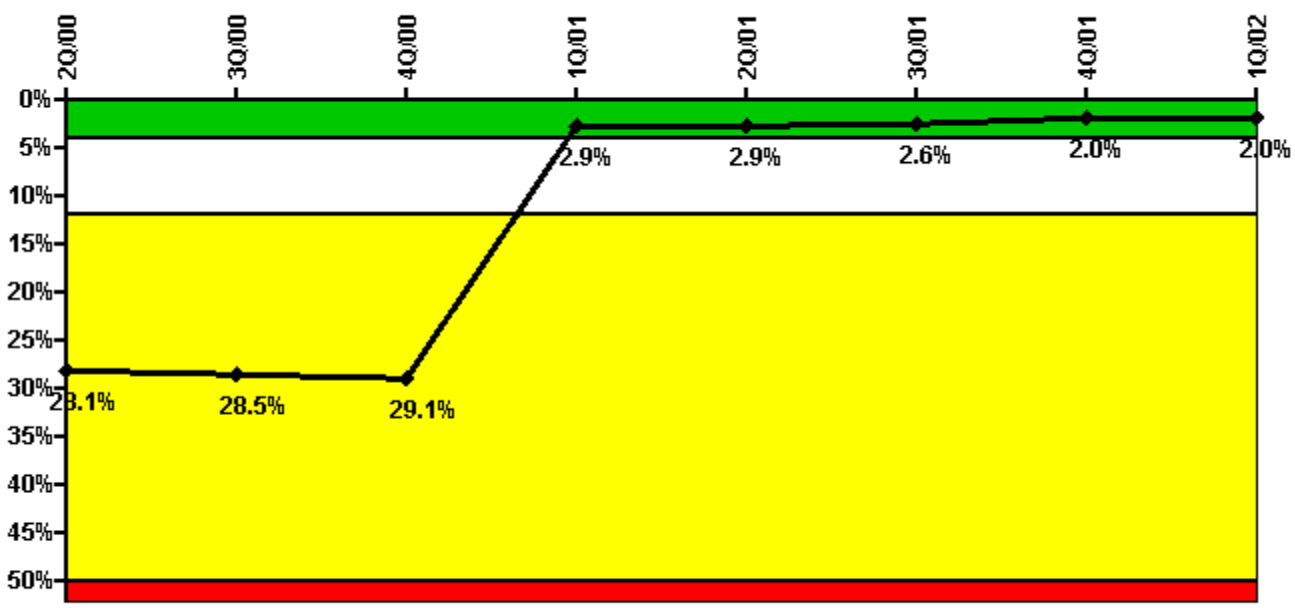
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	17.29	8.46	46.68	35.25	15.30	20.60	53.68	4.75
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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	11.32	69.70	63.03	37.35	54.20	23.77	20.97	21.33
Unplanned unavailable hours	0	3.30	0	2.62	0	1.63	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	1.7%	1.8%	1.8%	1.8%	1.9%	1.9%	2.0%	2.0%

Licensee Comments: none

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



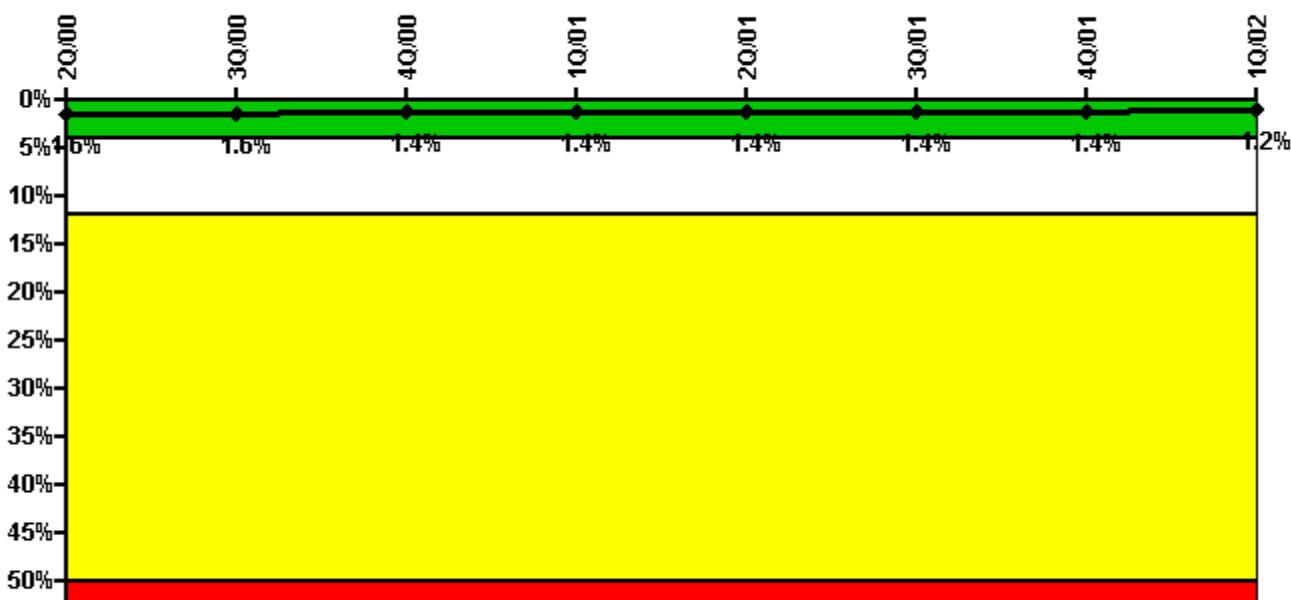
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	31.29	102.84	65.64	10.45	45.17	5.50	4.91	7.84
Unplanned unavailable hours	3.20	0	5.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	5439.80	0	0	0	0
Required hours	2183.00	2208.00	1712.30	2160.00	2126.30	2208.00	2209.00	1556.10
Indicator value	28.1%	28.5%	29.1%	2.9%	2.9%	2.6%	2.0%	2.0%

Licensee Comments: none

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



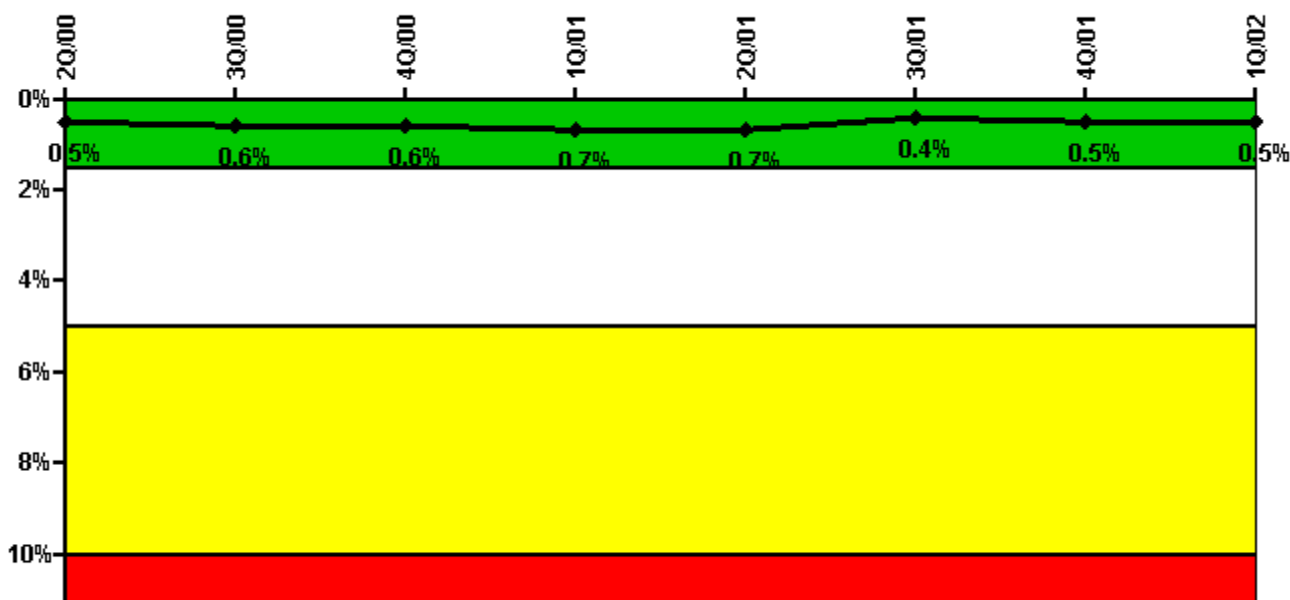
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	55.86	9.61	6.91	43.32	22.88	8.44	5.59	5.42
Unplanned unavailable hours	0	0	0	0	0	0	9.20	0
Fault exposure hours	0	0	0	0	0	0	12.00	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1712.30	2160.00	2126.30	2208.00	2209.00	1556.10
Indicator value	1.6%	1.6%	1.4%	1.4%	1.4%	1.4%	1.4%	1.2%

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



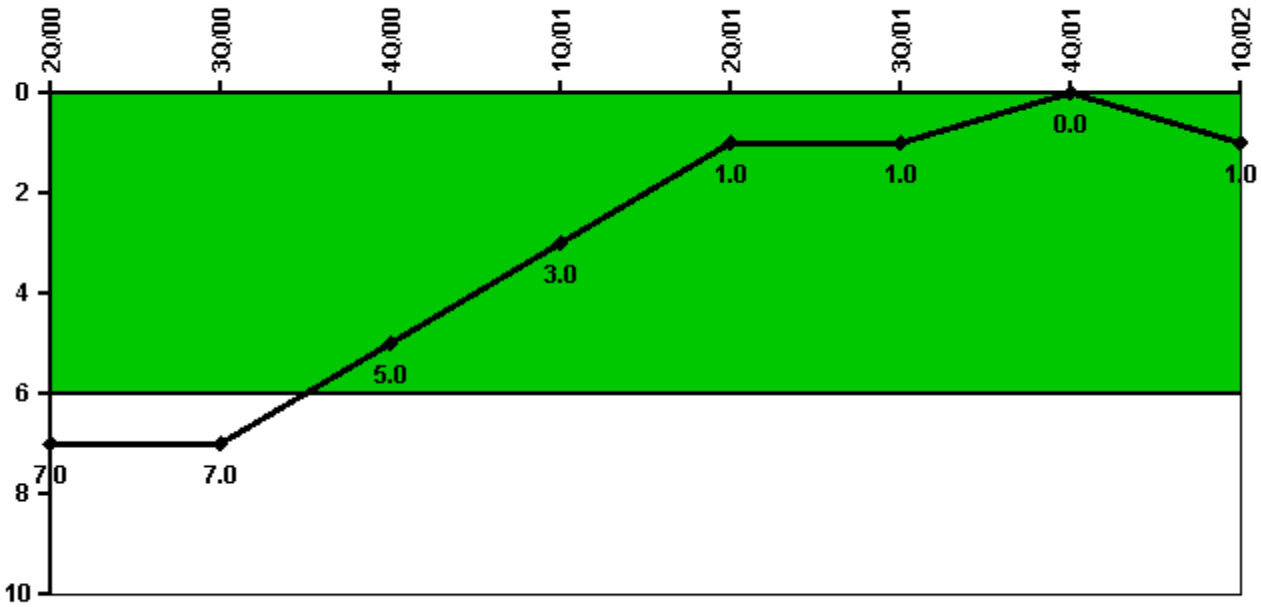
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	0	27.37	7.10	47.75	0	0	34.57	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	0	2.15	27.92	0	0	25.10	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.5%	0.6%	0.6%	0.7%	0.7%	0.4%	0.5%	0.5%

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

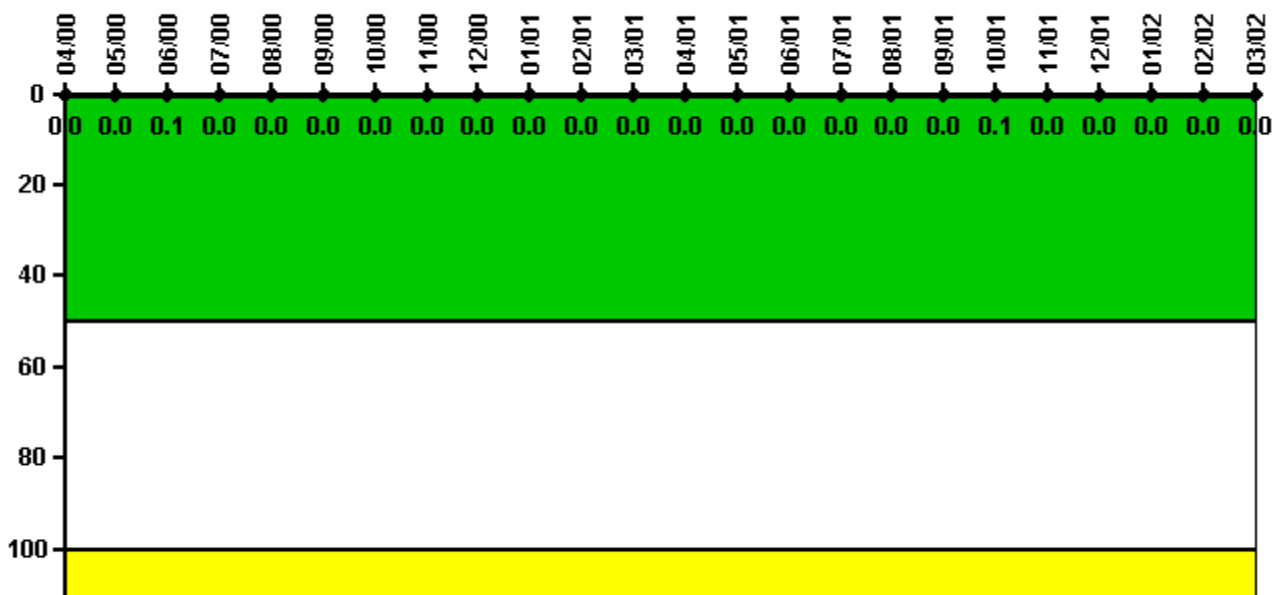
#### Notes

Safety System Functional Failures (BWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Safety System Functional Failures	2	0	1	0	0	0	0	1
Indicator value	7	7	5	3	1	1	0	1

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

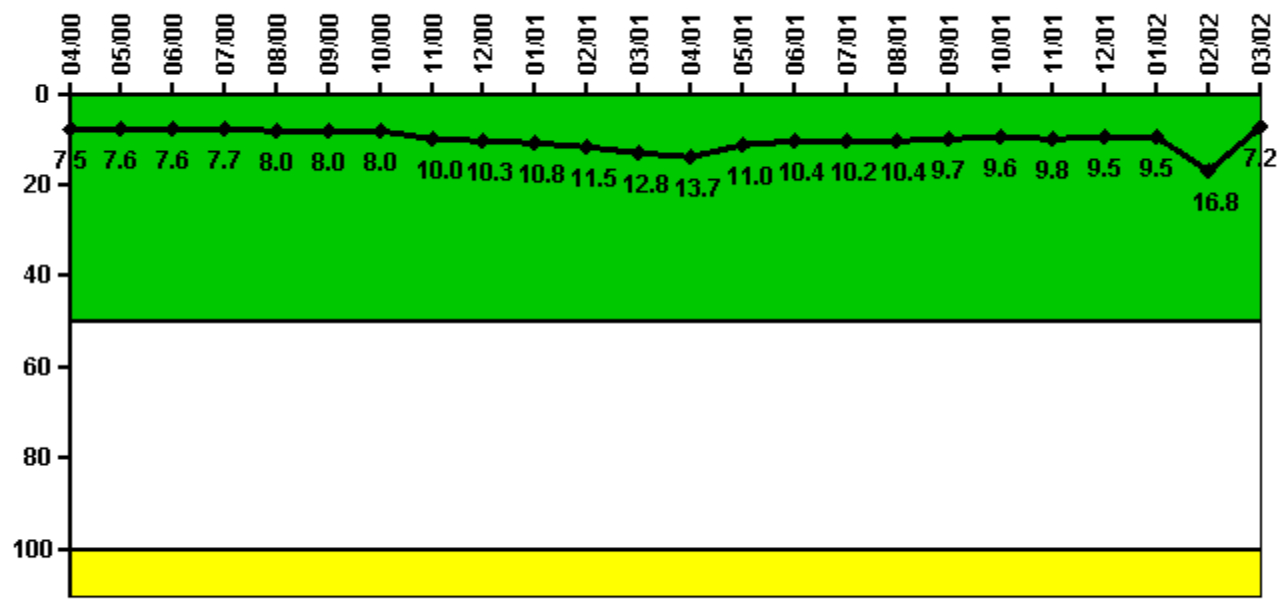
Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074	0.000064	0.000057	0.000072	0.000043	0.000084	0.000044
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0.1	0	0	0	0	0	0	0	0	0

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	0.000039	0.000063	0.000056	0.000055	0.000082	0.000067	0.000171	0.000041	0.000043	0.000050	0.000024	0.000044
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	0.1	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

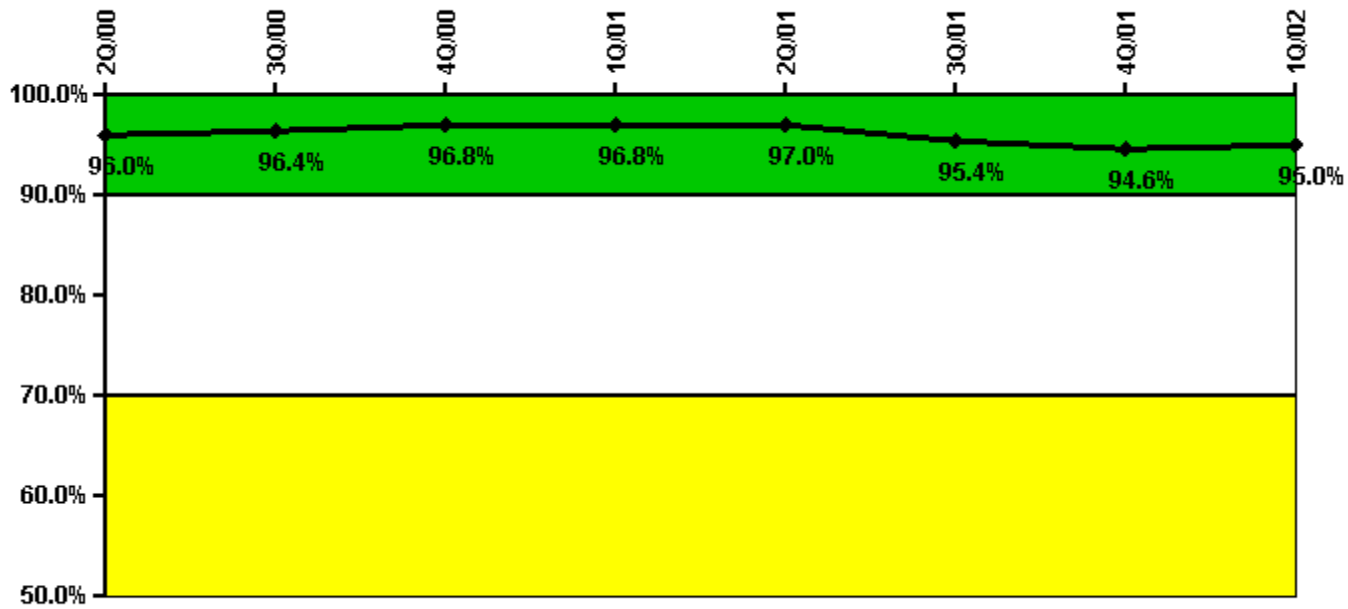
Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	1.880	1.900	1.900	1.920	1.990	1.990	2.000	2.490	2.570	2.710	2.870	3.210
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.5	7.6	7.6	7.7	8.0	8.0	8.0	10.0	10.3	10.8	11.5	12.8

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	3.420	2.750	2.590	2.550	2.590	2.420	2.410	2.440	2.370	2.380	4.210	1.800
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	13.7	11.0	10.4	10.2	10.4	9.7	9.6	9.8	9.5	9.5	16.8	7.2

Licensee Comments: none

### Drill/Exercise Performance



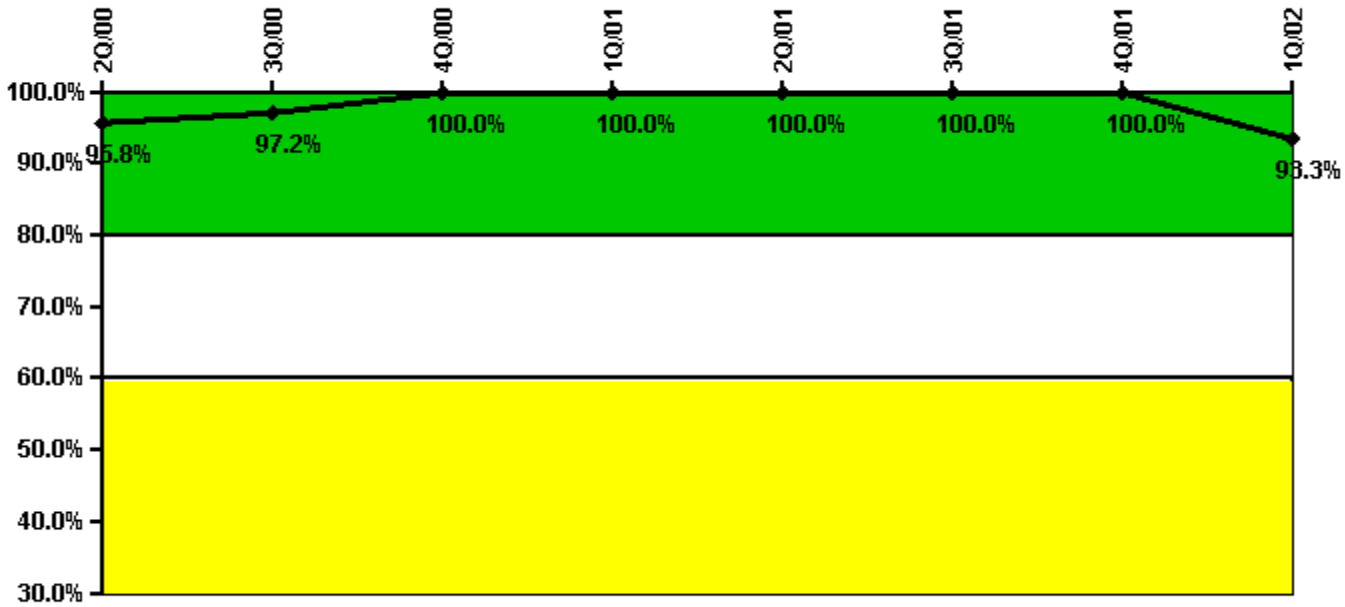
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	59.0	50.0	39.0	0	45.0	7.0	47.0	0
Total opportunities	62.0	53.0	39.0	0	46.0	10.0	50.0	0
Indicator value	96.0%	96.4%	96.8%	96.8%	97.0%	95.4%	94.6%	95.0%

Licensee Comments: none

### ERO Drill Participation



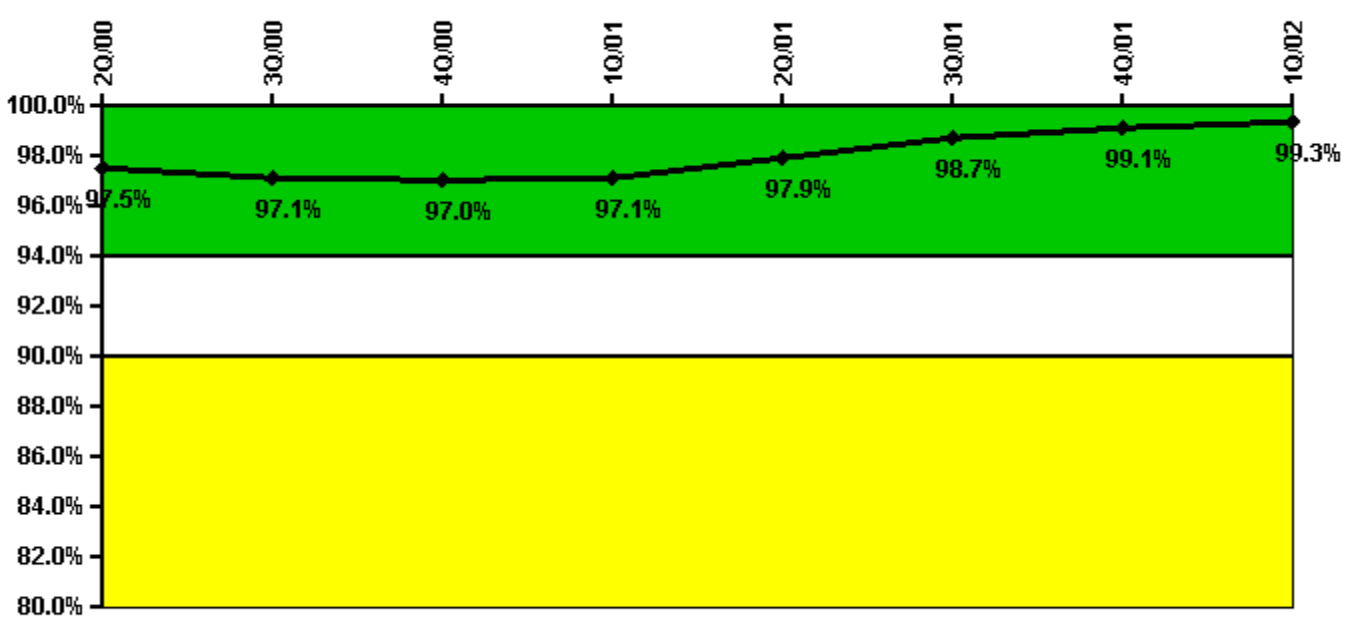
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	69.0	69.0	70.0	65.0	66.0	67.0	56.0	42.0
Total Key personnel	72.0	71.0	70.0	65.0	66.0	67.0	56.0	45.0
Indicator value	95.8%	97.2%	100.0%	100.0%	100.0%	100.0%	100.0%	93.3%

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

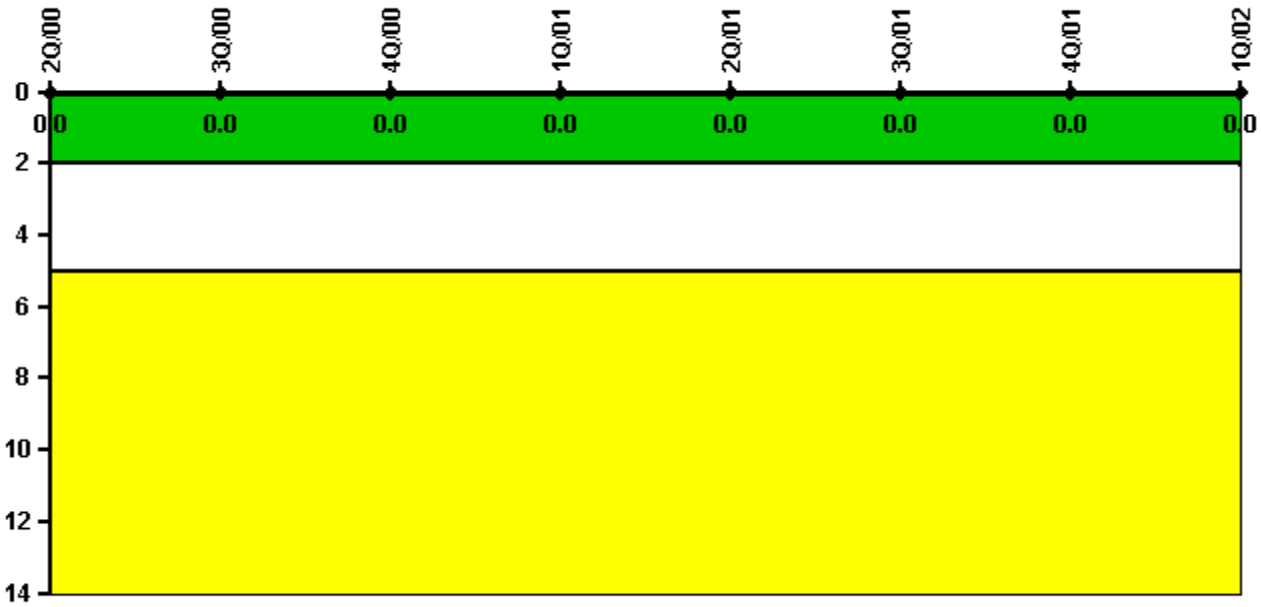
#### Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	3190	3150	3202	3436	3453	3405	3311	3256
Total sirens-tests	3328	3276	3276	3484	3484	3432	3328	3276
Indicator value	97.5%	97.1%	97.0%	97.1%	97.9%	98.7%	99.1%	99.3%

#### Licensee Comments:

1Q/02: A revision has been made to previously submitted data for the Alert and Notification System (ANS) Reliability indicator. It was determined there was one day each month where both a full test and a silent test of ANS sirens was performed; however, only one of these tests had been reported. The data for the first through fourth quarters in 2001 was affected and has been revised (1Q2001, 2Q2001, 3Q2001 and 4Q2001). The change to the data does not affect the color of the indicator.

### Occupational Exposure Control Effectiveness



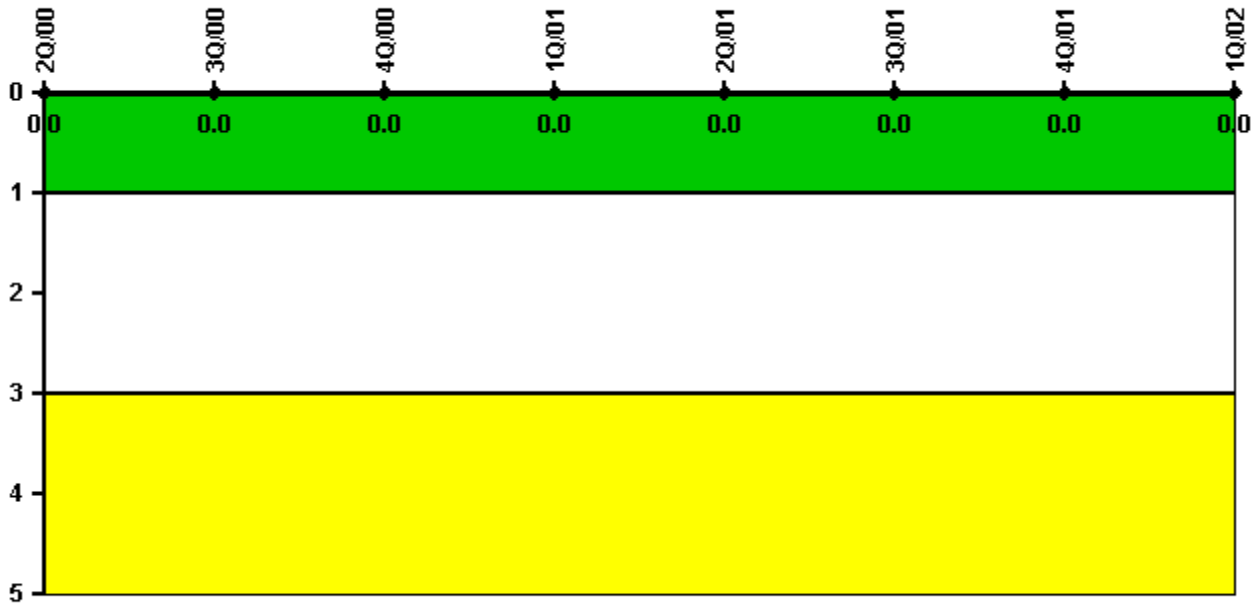
Thresholds: White > 2.0 Yellow > 5.0

#### 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



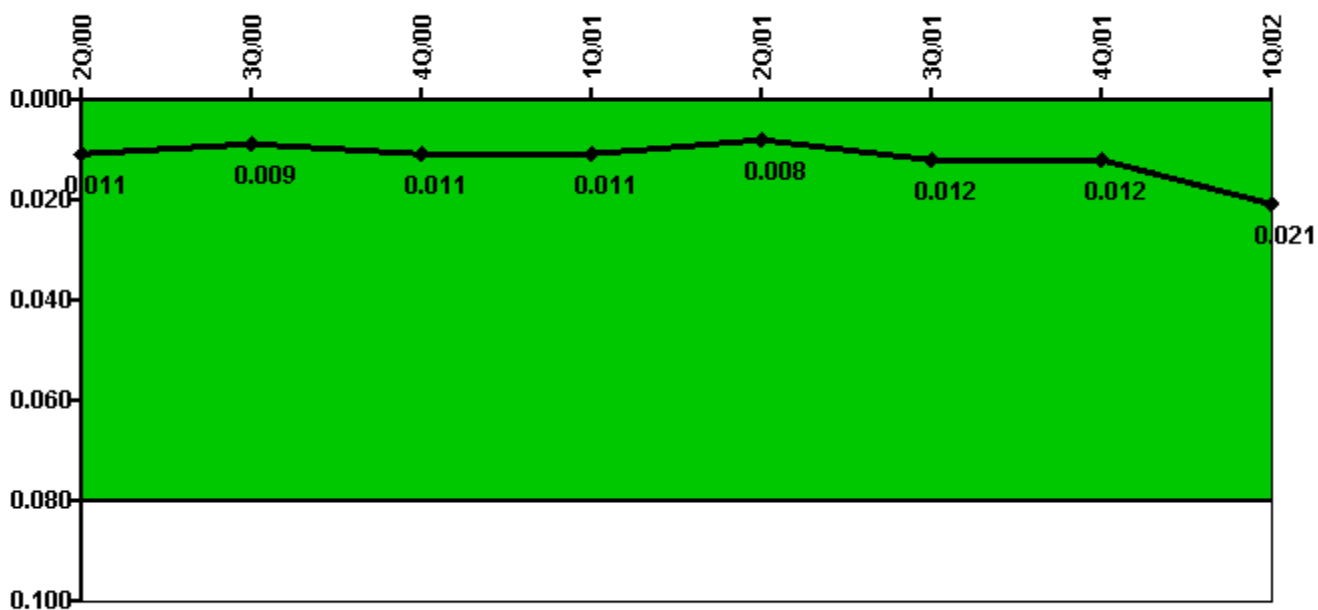
Thresholds: White > 1.0 Yellow > 3.0

#### 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

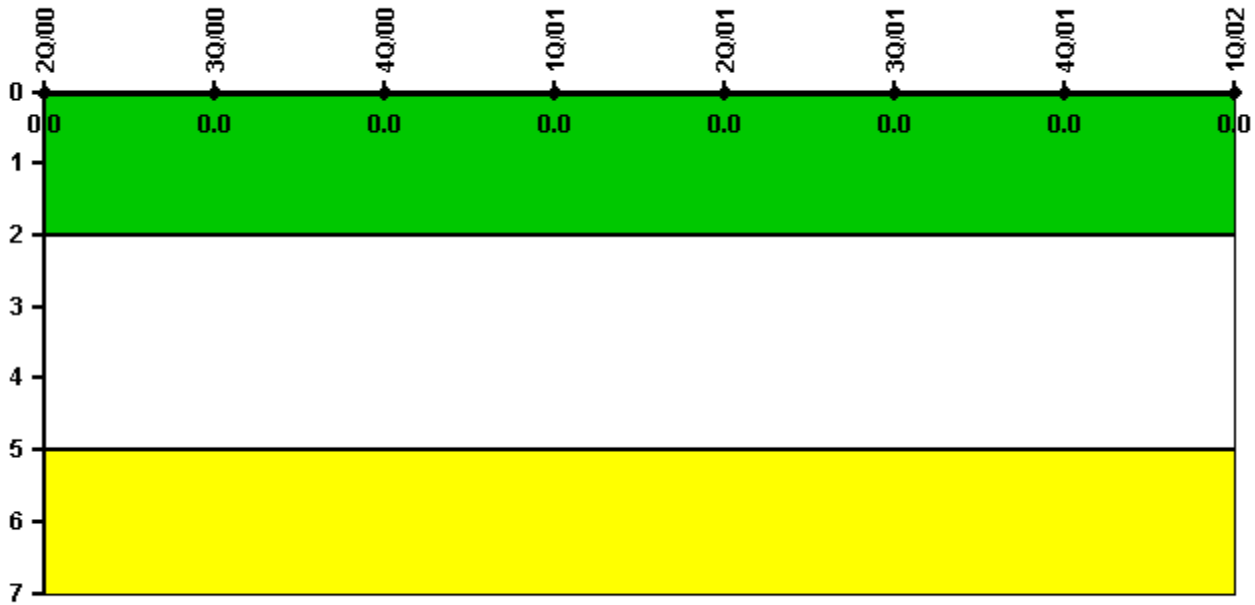
#### Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	82.20	24.32	52.19	30.70	37.60	80.50	46.40	192.60
CCTV compensatory hours	4.3	1.6	0	0.1	0	13.9	1.4	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	0.011	0.009	0.011	0.011	0.008	0.012	0.012	0.021

Licensee Comments: none



### Personnel Screening Program



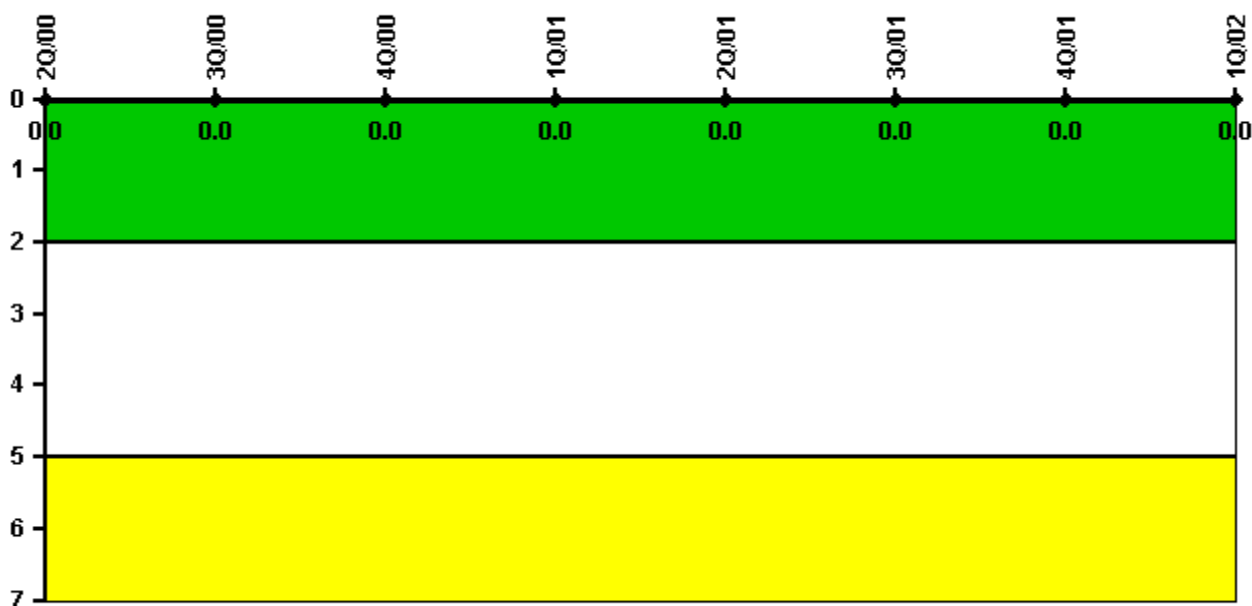
Thresholds: White > 2.0 Yellow > 5.0

#### 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

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Last Modified: May 1, 2002