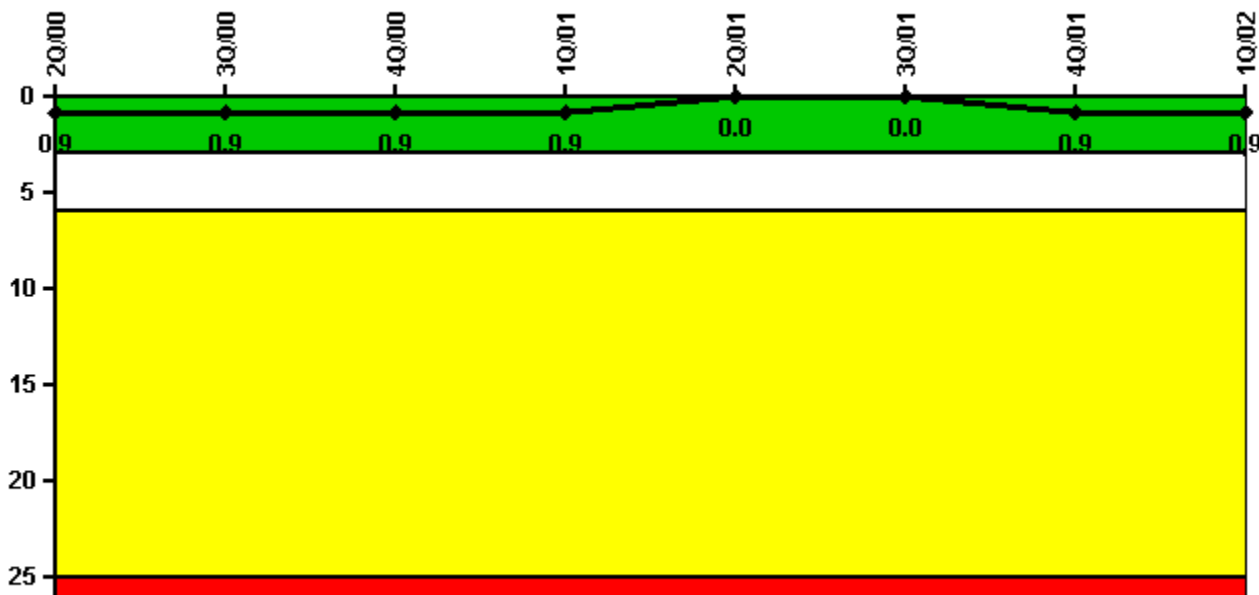


## Fermi 2

### 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	1.0	0	0	0	0	0	1.0	0
Critical hours	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5	2160.0
Indicator value	0.9	0.9	0.9	0.9	0	0	0.9	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



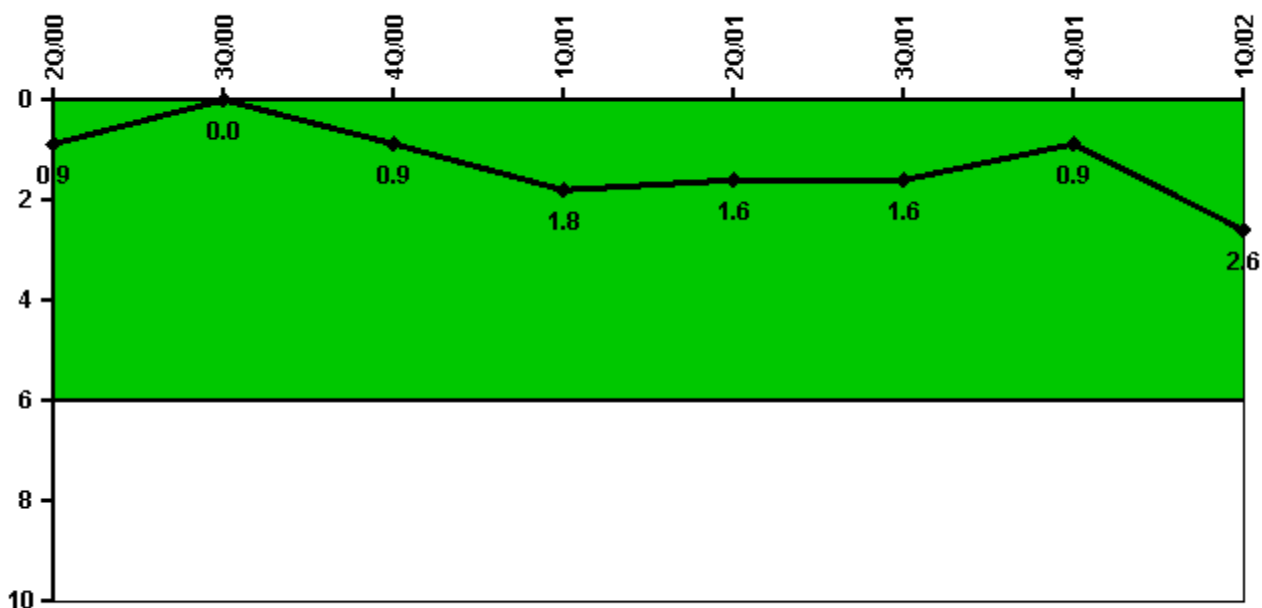
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	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

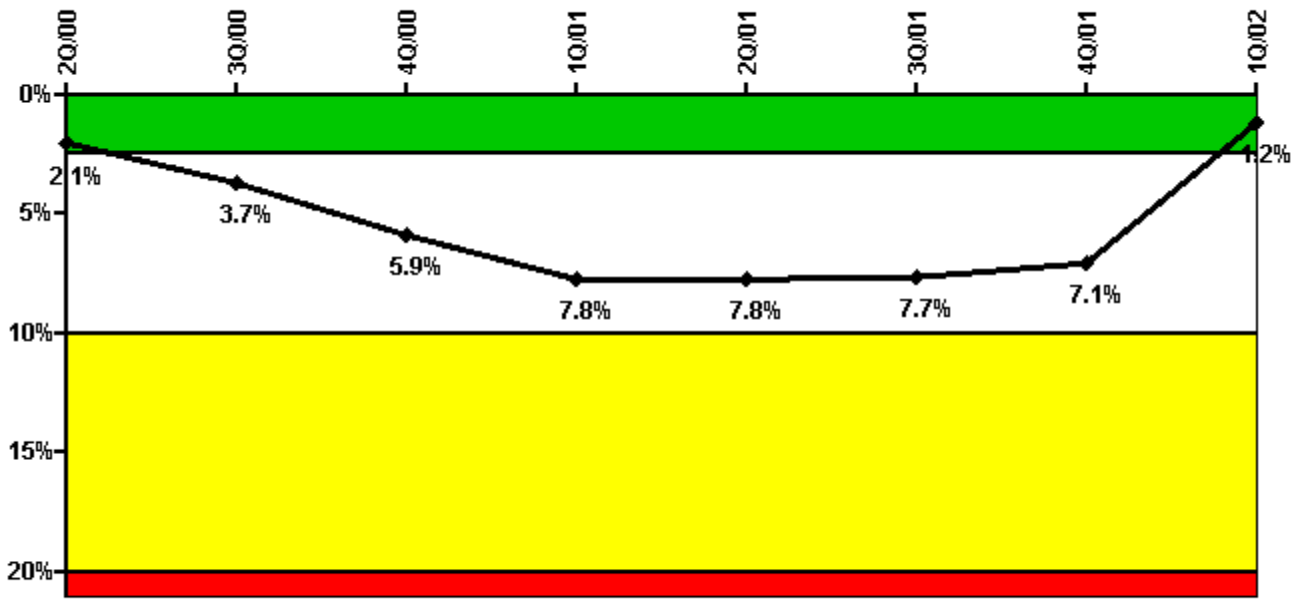
#### Notes

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	1.0	1.0	0	0	0	3.0
Critical hours	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5	2160.0
Indicator value	0.9	0	0.9	1.8	1.6	1.6	0.9	2.6

#### Licensee Comments:

1Q/02: 1/22/02, power reduced from 100% to 73% due to North Reactor Feed Pump speed controller problem; 02/16/2002, power reduced from 100% to 65% due to #6 LP Stop Valve Actuator problem; 03/30/2002, power reduced from 100% to 54% due to Reactor Recirculation Pump Motor – Generator Set trip.

### Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

#### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	3.43	9.79	42.19	3.47	7.86	21.92	6.47	6.00
Unplanned unavailable hours	0	0	0	0	0.82	0	0	0
Fault exposure hours	32.88	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	700.76	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	1.08	5.05	52.24	4.40	11.38	21.13	11.61	5.29
Unplanned unavailable hours	0	0	0	0	0.57	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 3</b>								
Planned unavailable hours	5.58	6.49	42.56	4.46	3.32	42.65	5.79	5.82
Unplanned unavailable hours	0	0	0	0	10.60	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 4</b>								
Planned unavailable hours	9.03	0	0	0	10.78	49.86	14.48	18.45
Unplanned unavailable hours	0	0	0	192.50	20.70	43.78	0	2.10
Fault exposure hours	0	2057.85	2209.00	1918.15	0	0	0	0
Effective Reset hours	0	378.10	0	0	0	0	0	6142.70
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>2.1%</b>	<b>3.7%</b>	<b>5.9%</b>	<b>7.8%</b>	<b>7.8%</b>	<b>7.7%</b>	<b>7.1%</b>	<b>1.2%</b>

Licensee Comments:

1Q/02: 1Q 2001 EDG 14 bearing failure fault exposure hours reset and deferred planned unavailable hours restored in accordance with NEI 99-02 Revision 2 guidance.

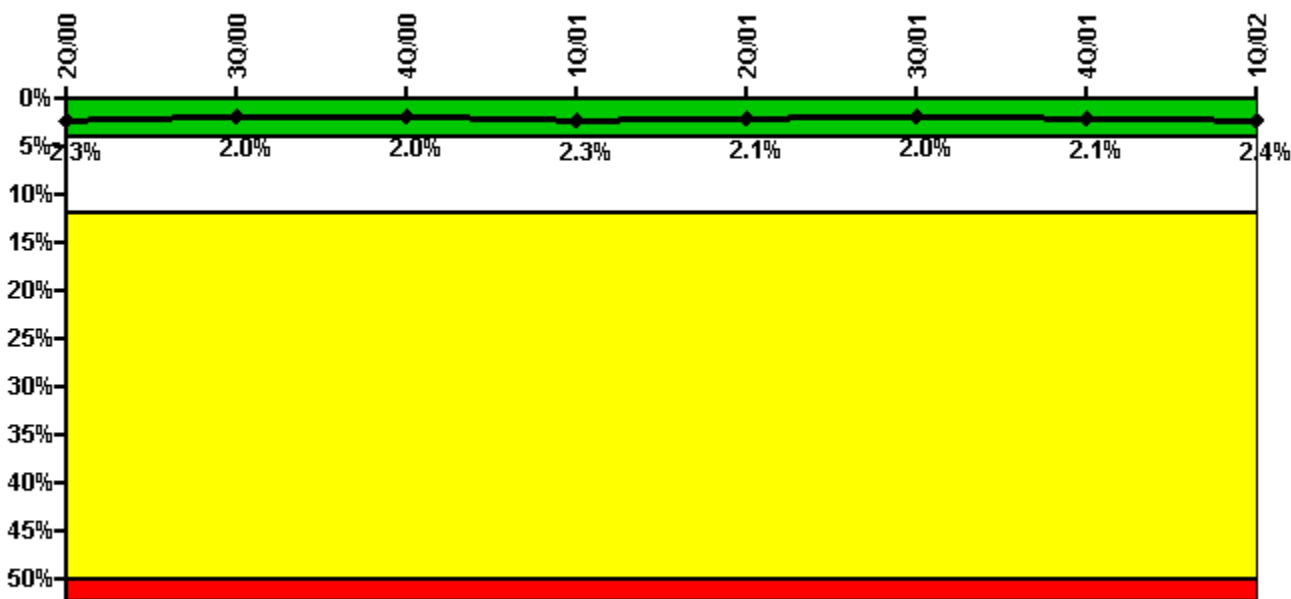
Effective Reset Comments:

1Q/02: 1Q 2001 EDG 14 bearing failure fault hours reset and deferred planned hours added in accordance with NEI 99-02 Revision 2

1Q/02: 1Q 2001 EDG 14 bearing failure fault hours reset and deferred planned hours added in accordance with NEI 99-02 Revision 2.

1Q/02: 1Q 2001 EDG 14 bearing failure fault hours reset and deferred planned hours added in accordance with NEI 99-02 Revision 2

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



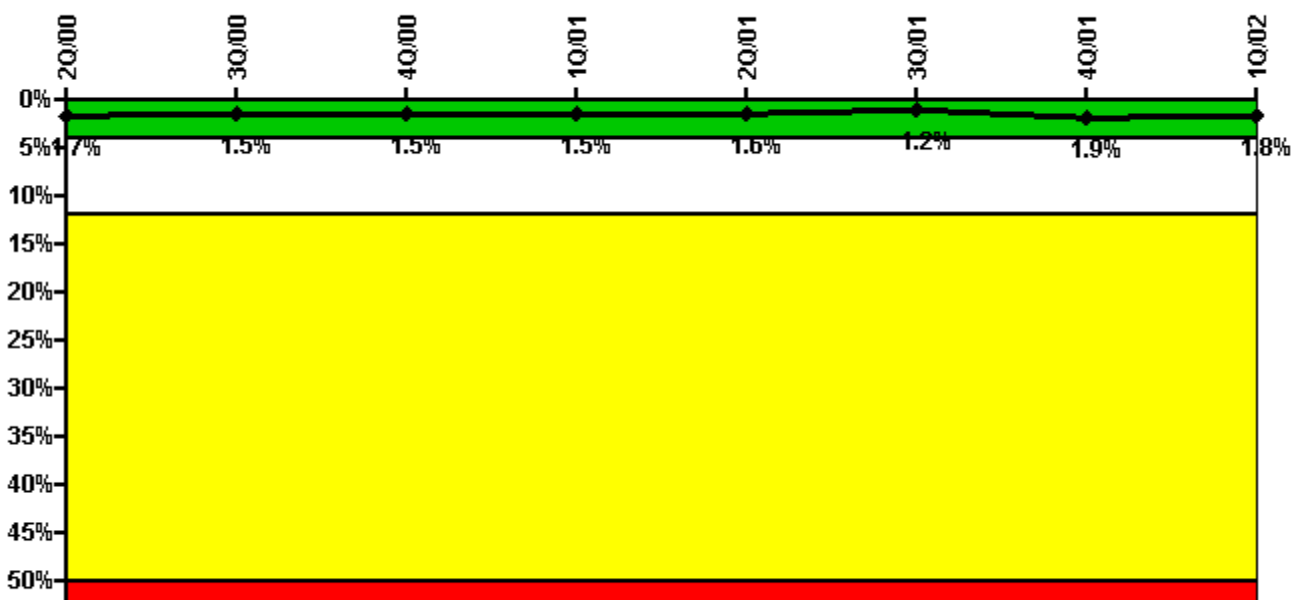
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

### 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
Train 1								
Planned unavailable hours	9.07	9.47	11.25	70.02	14.88	2.20	9.69	85.05
Unplanned unavailable hours	0	0	0	27.53	27.33	0	27.16	15.31
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00	1446.50	2160.00
Indicator value	2.3%	2.0%	2.0%	2.3%	2.1%	2.0%	2.1%	2.4%

Licensee Comments: none

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



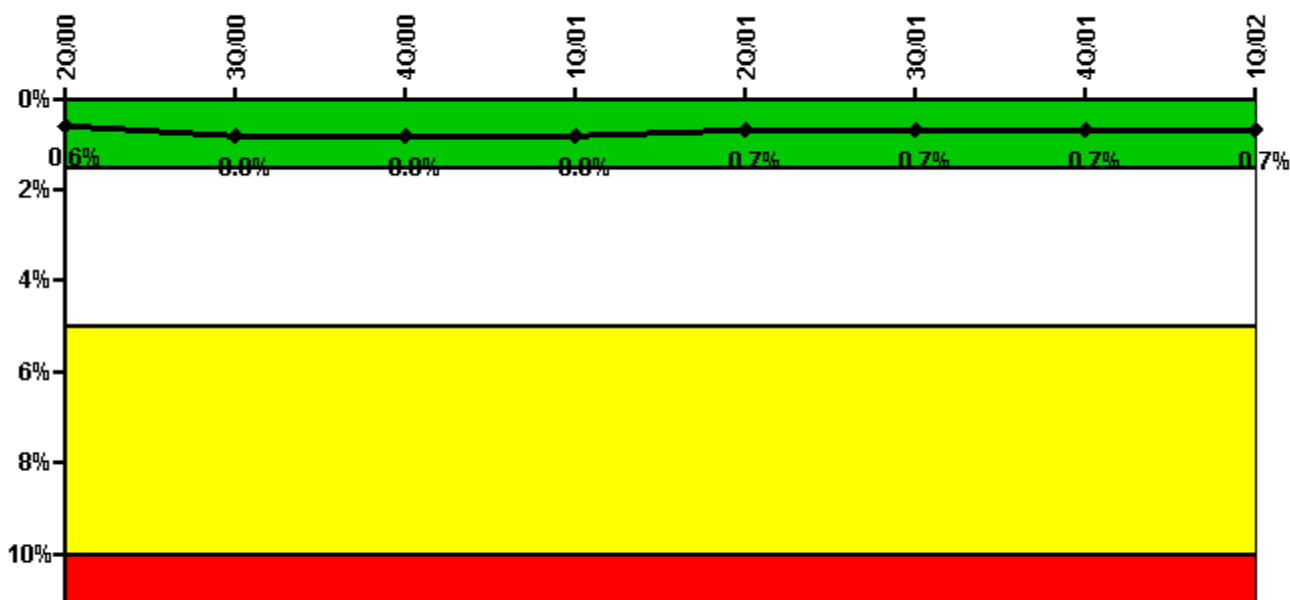
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### 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	5.27	4.13	7.90	1.70	8.50	2.38	161.85	37.45
Unplanned unavailable hours	0.40	0	0	9.10	59.10	0	10.35	2.87
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00	1446.50	2160.00
Indicator value	1.7%	1.5%	1.5%	1.5%	1.6%	1.2%	1.9%	1.8%

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



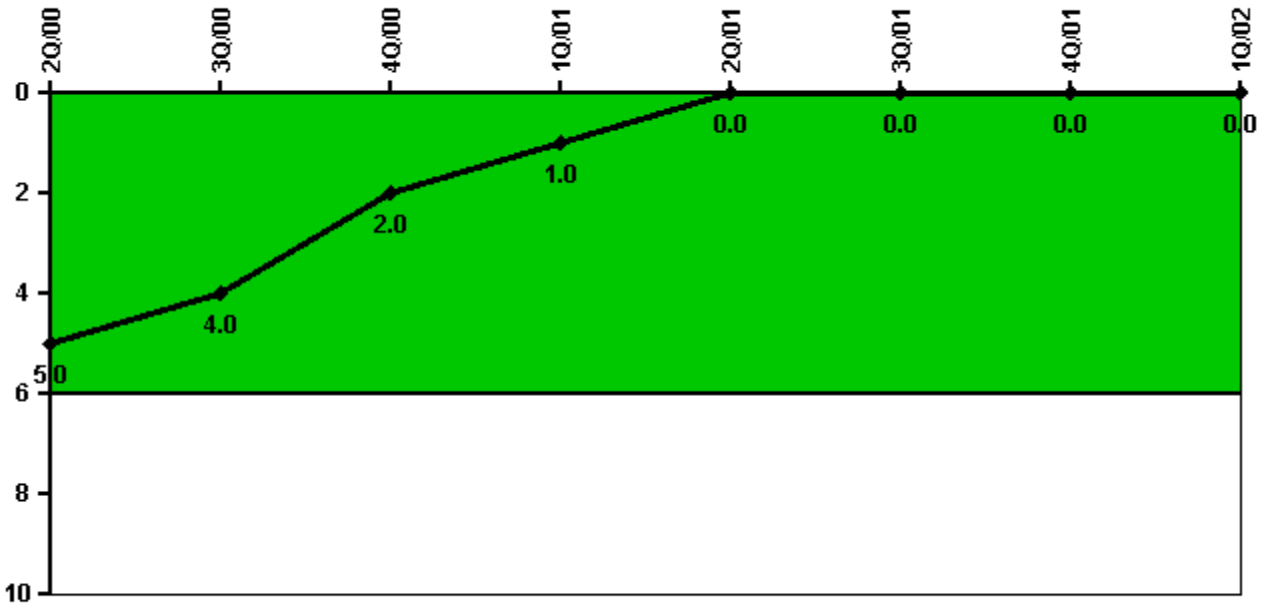
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### 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	39.70	1.47	2.88	1.22	22.17	4.43	2.10
Unplanned unavailable hours	0	0.08	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	54.27	0.88	1.53	1.87	0.92	13.75	0	12.66
Unplanned unavailable hours	0	100.40	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	0.6%	0.8%	0.8%	0.8%	0.7%	0.7%	0.7%	0.7%

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

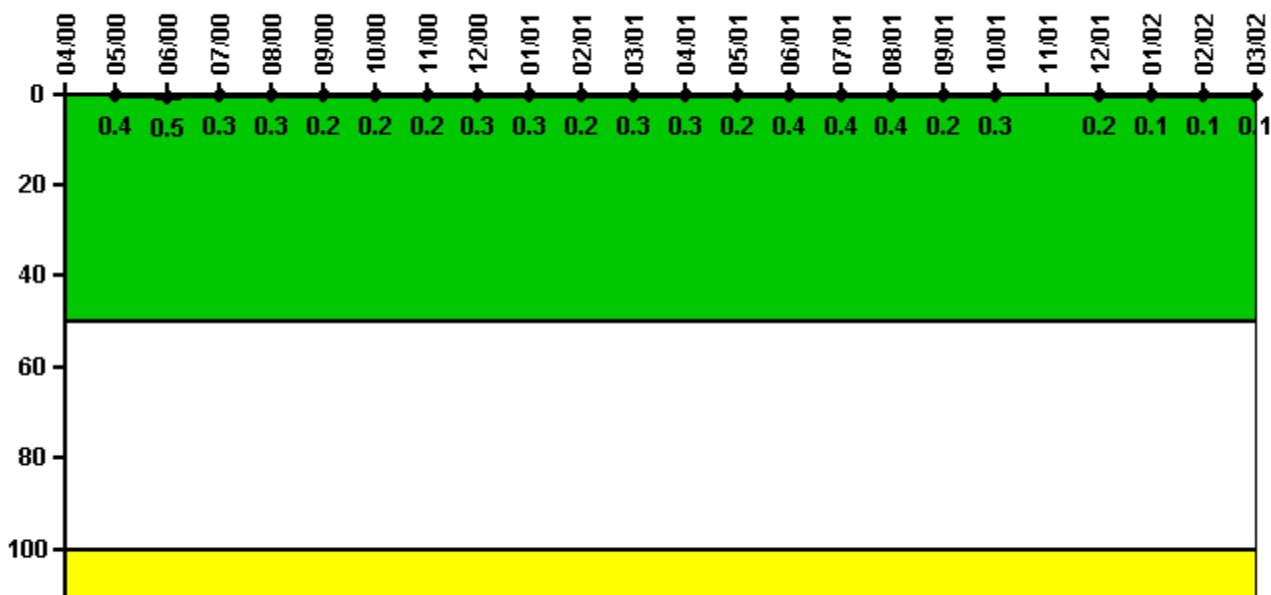
#### Notes

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	5	4	2	1	0	0	0	0
Indicator value	5	4	2	1	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	N/A	0.000809	0.000958	0.000682	0.000570	0.000492	0.000475	0.000481	0.000510	0.000683	0.000488	0.000602
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	N/A	0.4	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	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	0.000609	0.000436	0.000826	0.000739	0.000703	0.000425	0.000641	N/A	0.000373	0.000267	0.000201	0.000291
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	0.3	0.2	0.4	0.4	0.4	0.2	0.3	N/A	0.2	0.1	0.1	0.1

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

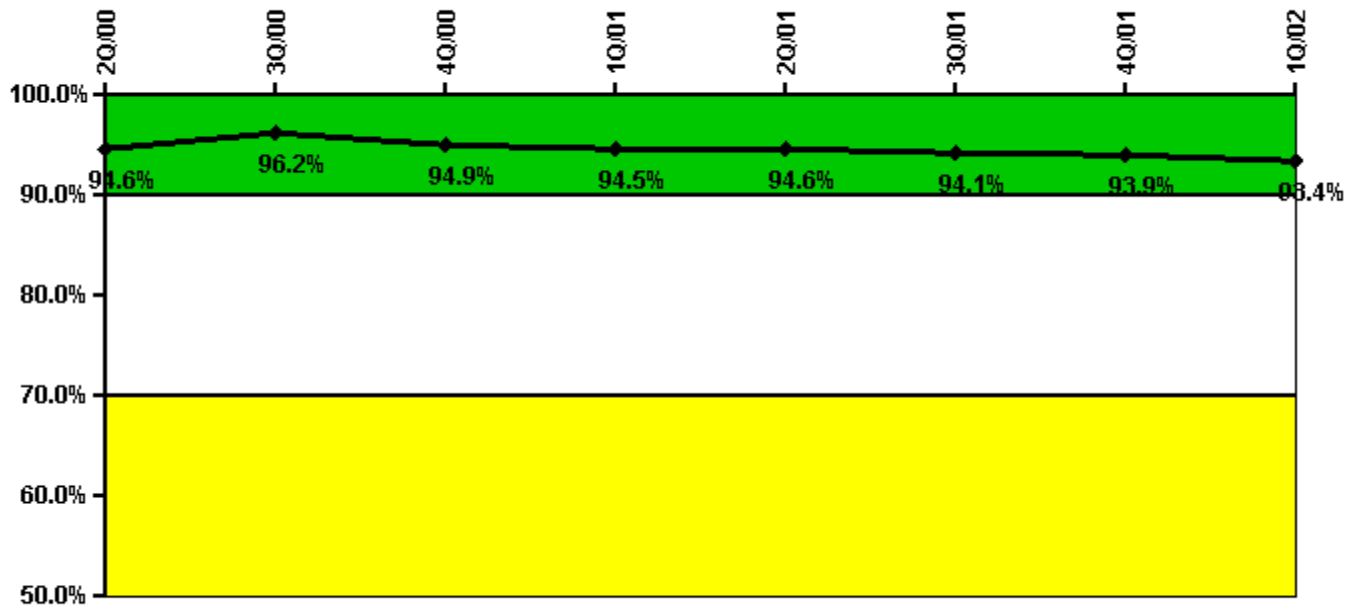
Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	1.590	1.630	1.640	1.620	1.620	1.620	1.610	1.610	1.610	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.4	6.5	6.6	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.4

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	1.610	1.610	1.620	1.610	1.610	1.610	1.630	1.570	1.630	1.620	1.610	1.630
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	6.4	6.4	6.5	6.4	6.4	6.4	6.5	6.3	6.5	6.5	6.4	6.5

Licensee Comments: none

### Drill/Exercise Performance



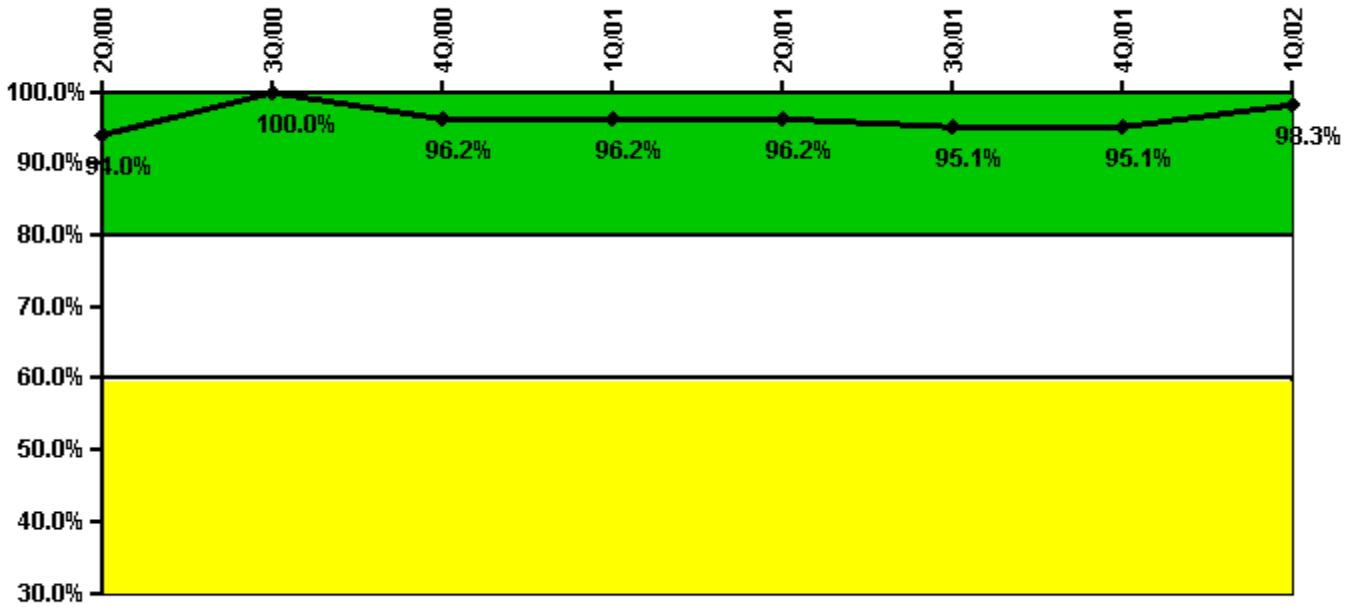
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	38.0	56.0	51.0	21.0	30.0	33.0	0	42.0
Total opportunities	38.0	57.0	56.0	23.0	32.0	38.0	0	46.0
Indicator value	94.6%	96.2%	94.9%	94.5%	94.6%	94.1%	93.9%	93.4%

Licensee Comments: none

### ERO Drill Participation



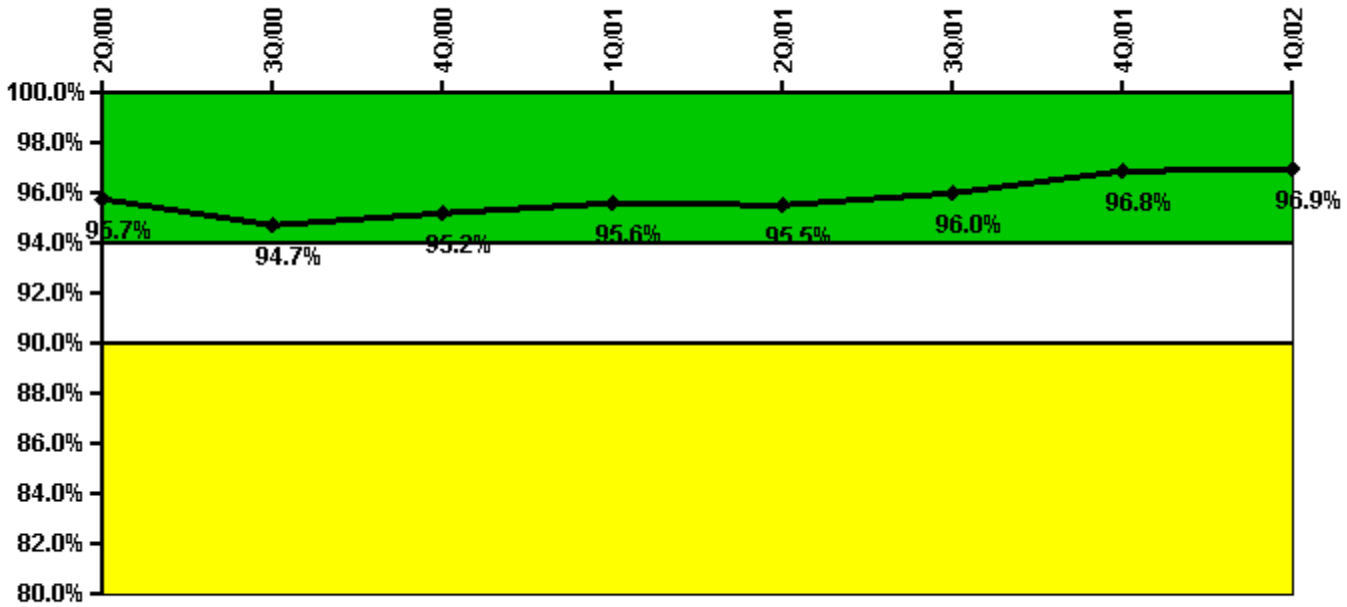
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	47.0	52.0	51.0	51.0	51.0	58.0	58.0	59.0
Total Key personnel	50.0	52.0	53.0	53.0	53.0	61.0	61.0	60.0
Indicator value	94.0%	100.0%	96.2%	96.2%	96.2%	95.1%	95.1%	98.3%

Licensee Comments: none

### Alert & Notification System



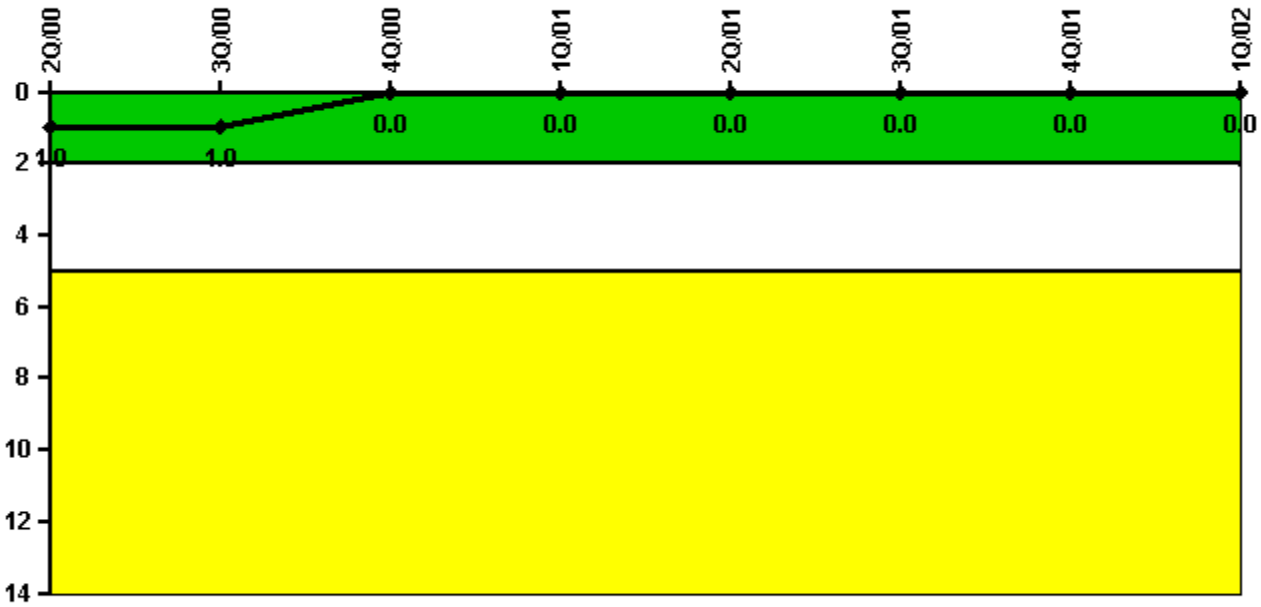
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	343	330	338	342	342	338	348	344
Total sirens-tests	354	354	354	354	354	354	354	354
Indicator value	95.7%	94.7%	95.2%	95.6%	95.5%	96.0%	96.8%	96.9%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



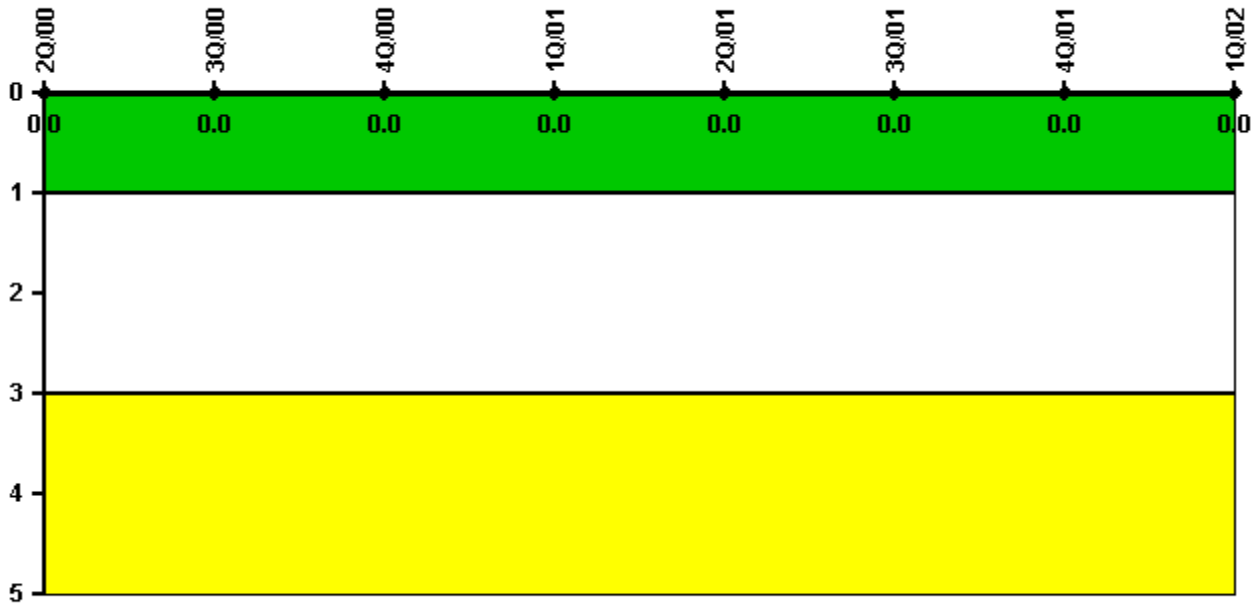
Thresholds: White > 2.0 Yellow > 5.0

#### 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	1	1	0	0	0	0	0	0

Licensee Comments: none

### RETS/ODCM Radiological Effluent



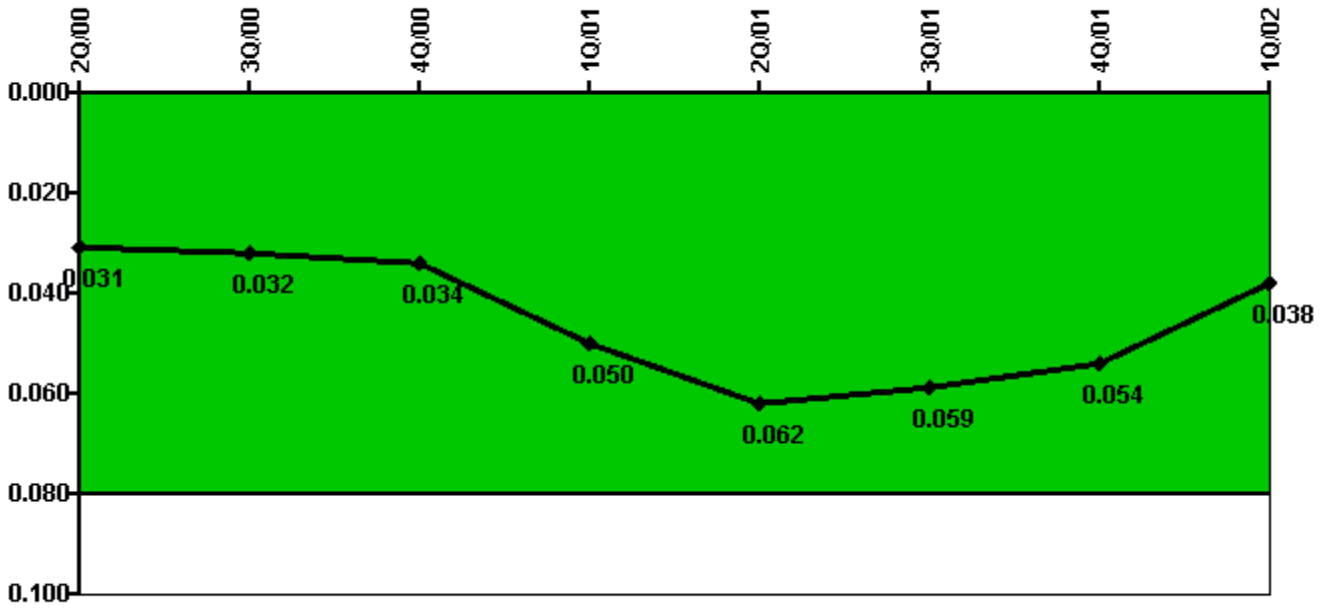
Thresholds: White > 1.0 Yellow > 3.0

#### 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

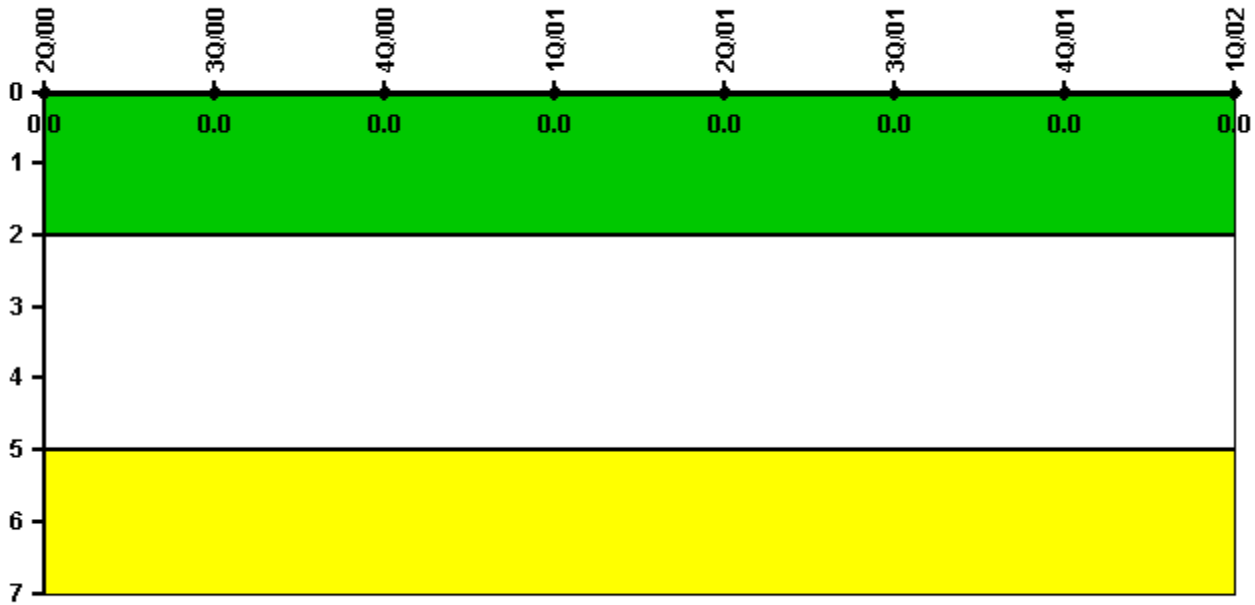
#### Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	145.16	379.60	180.50	417.17	388.05	281.75	197.80	237.63
CCTV compensatory hours	1.0	0	98.6	188.1	78.9	1.0	0.5	4.5
IDS normalization factor	1.92	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.031</b>	<b>0.032</b>	<b>0.034</b>	<b>0.050</b>	<b>0.062</b>	<b>0.059</b>	<b>0.054</b>	<b>0.038</b>

Licensee Comments: none



### Personnel Screening Program



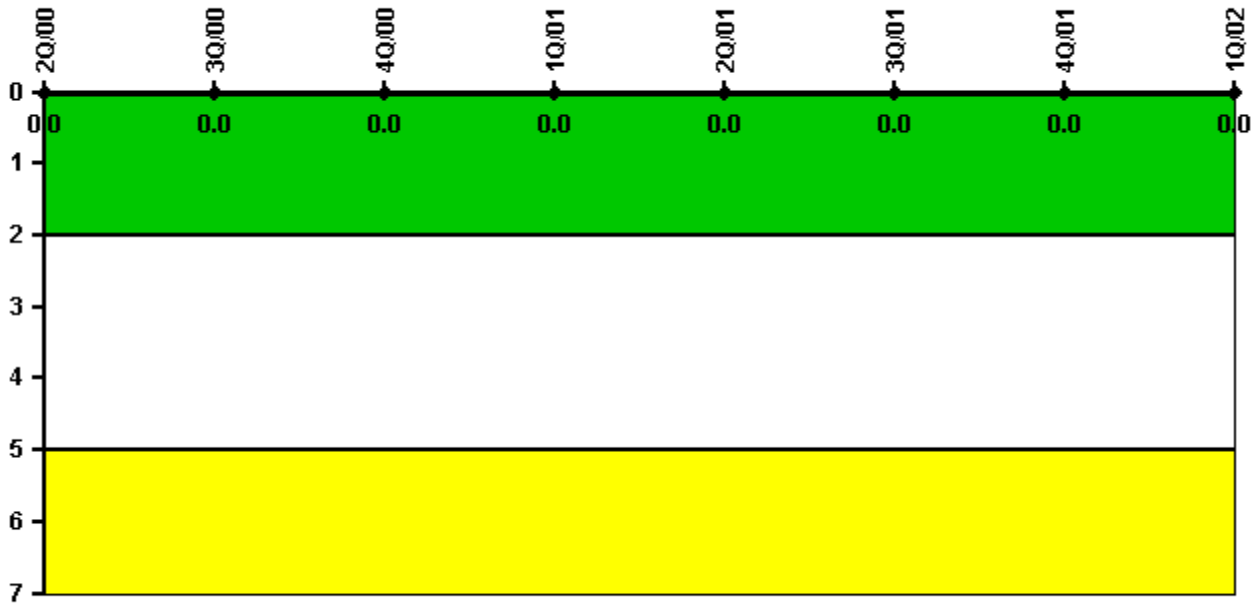
Thresholds: White > 2.0 Yellow > 5.0

#### 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