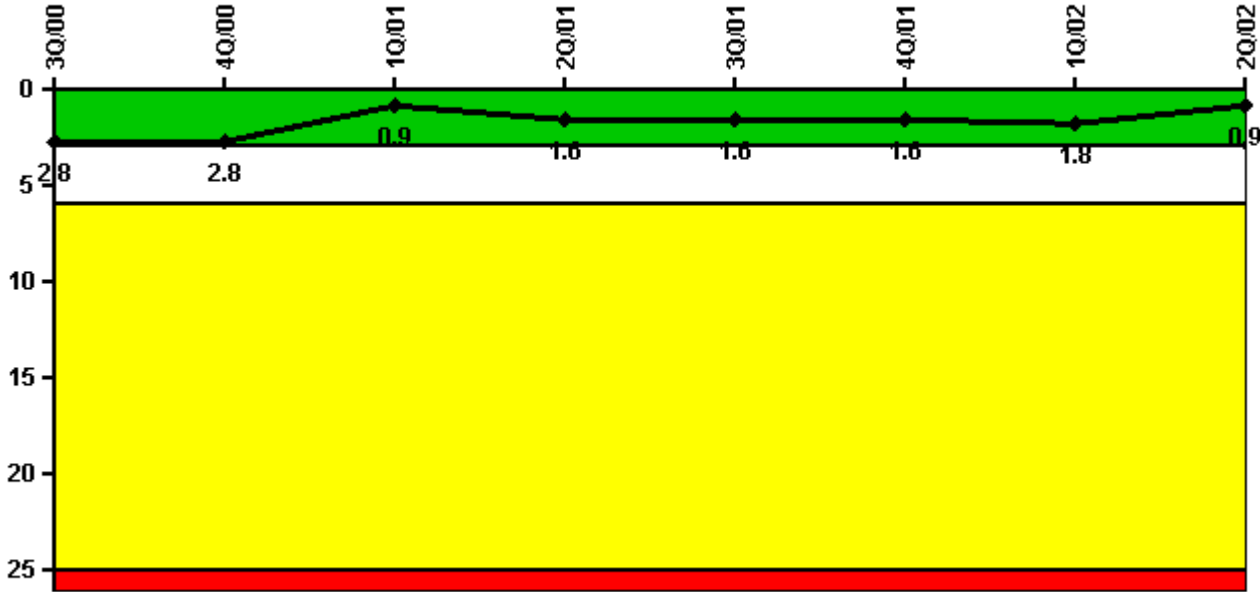


## Millstone 2

### 2Q/2002 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



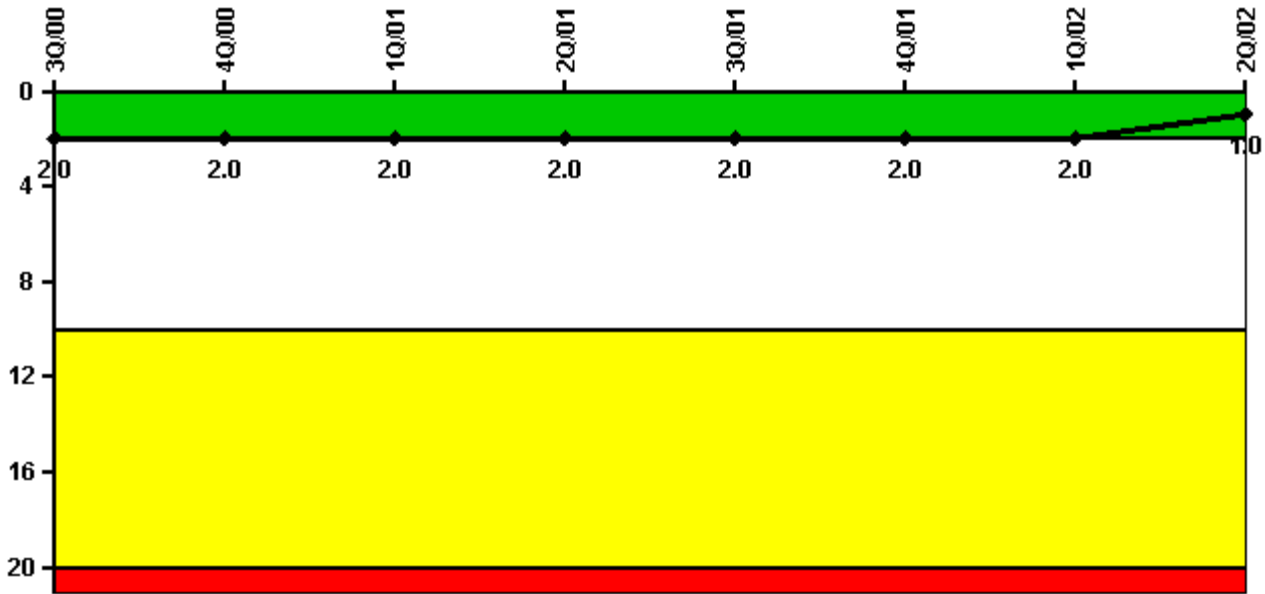
**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

**Notes**

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	0	0	0	2.0	0	0	0	1.0
Critical hours	2208.0	2209.0	2160.0	2079.2	2208.0	2209.0	1112.3	1993.6
Indicator value	2.8	2.8	0.9	1.6	1.6	1.6	1.8	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



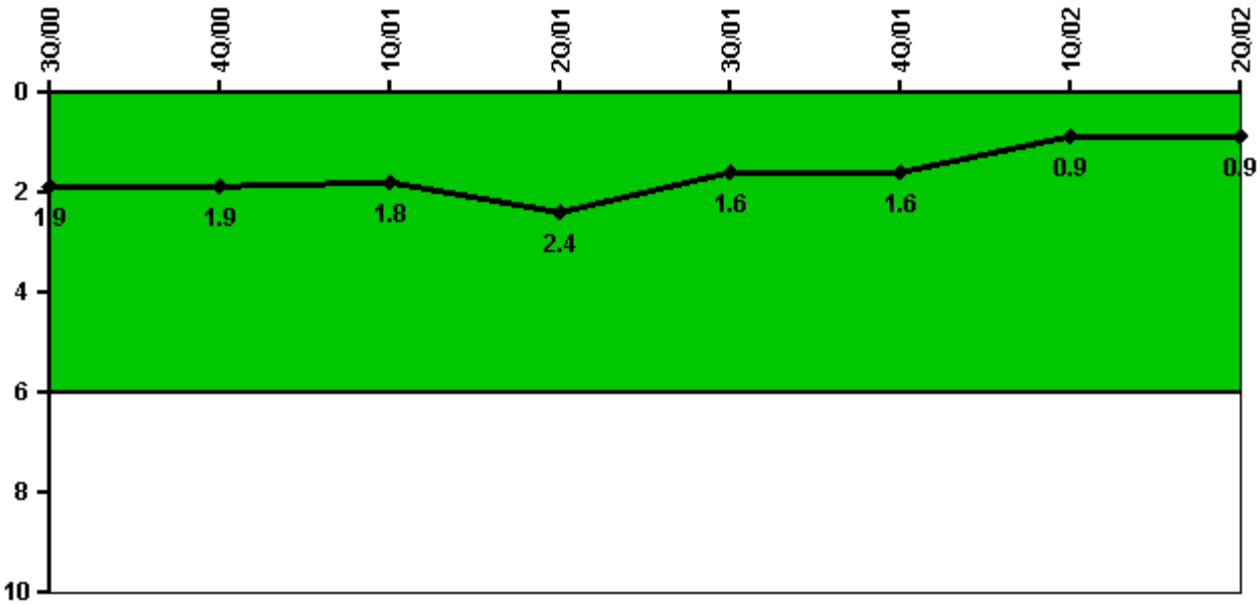
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



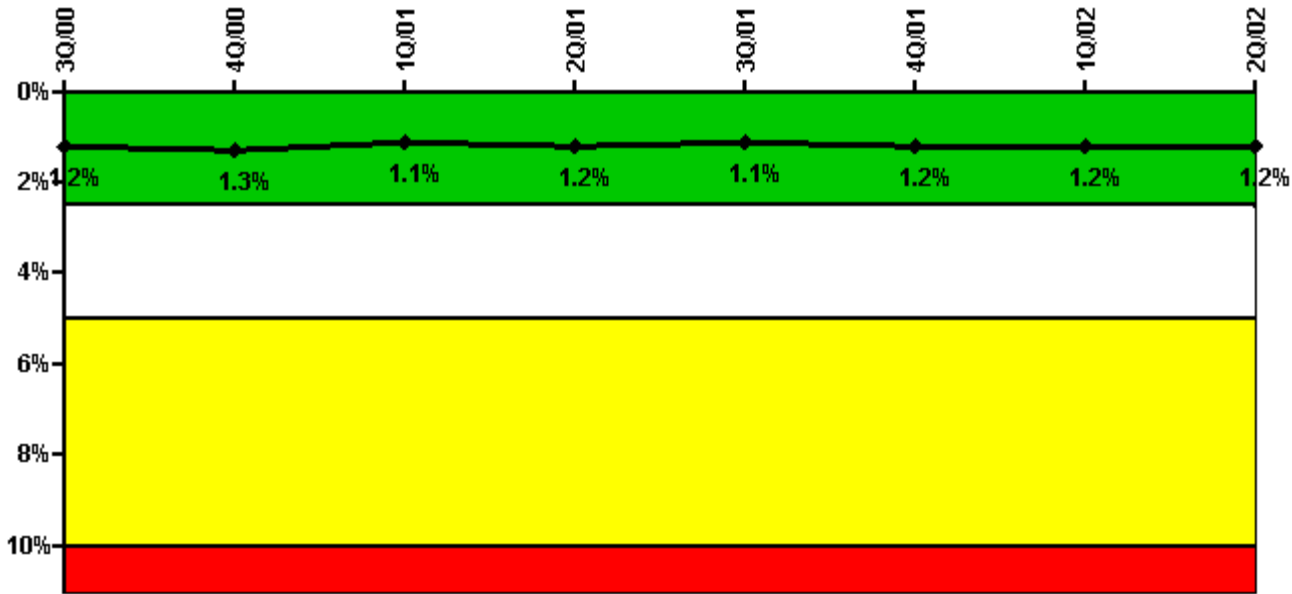
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	1.0	0	1.0	1.0	0	0	0	1.0
Critical hours	2208.0	2209.0	2160.0	2079.2	2208.0	2209.0	1112.3	1993.6
Indicator value	1.9	1.9	1.8	2.4	1.6	1.6	0.9	0.9

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



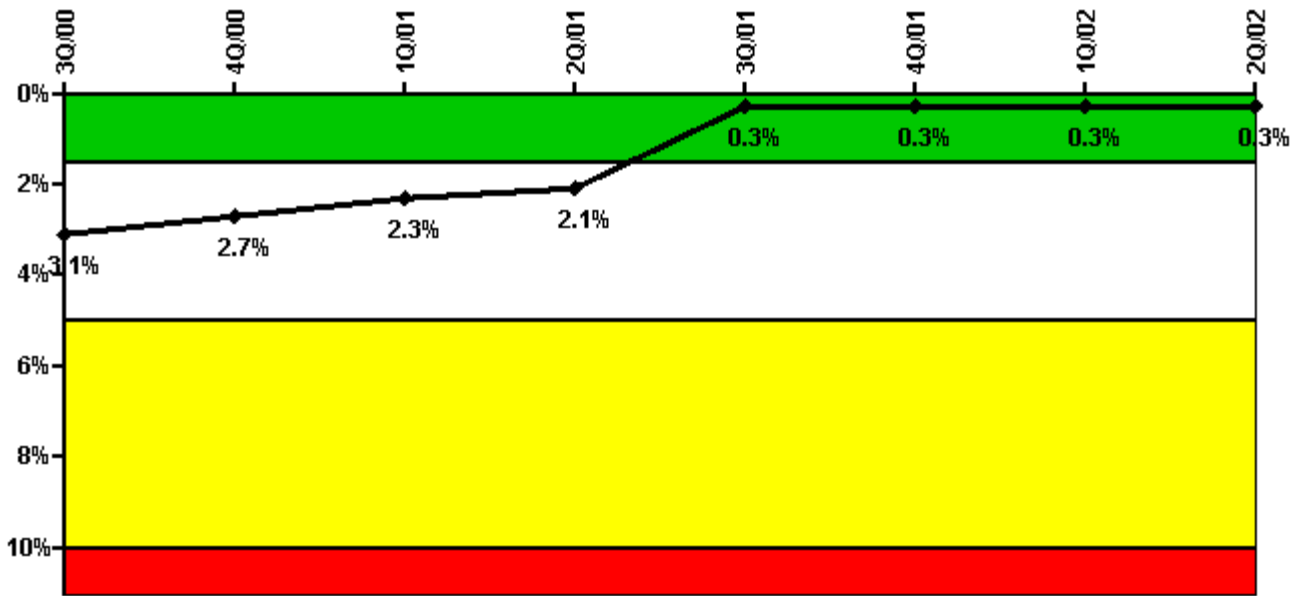
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	29.75	19.88	8.39	16.60	1.57	23.64	9.47	3.29
Unplanned unavailable hours	0	6.57	1.02	8.49	2.57	31.17	19.19	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1783.66	2183.00
<b>Train 2</b>								
Planned unavailable hours	43.27	17.75	8.39	7.63	13.78	2.95	14.64	20.72
Unplanned unavailable hours	0	0	0	0	5.22	1.33	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1592.81	2183.00
Indicator value	1.2%	1.3%	1.1%	1.2%	1.1%	1.2%	1.2%	1.2%

Licensee Comments: none

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



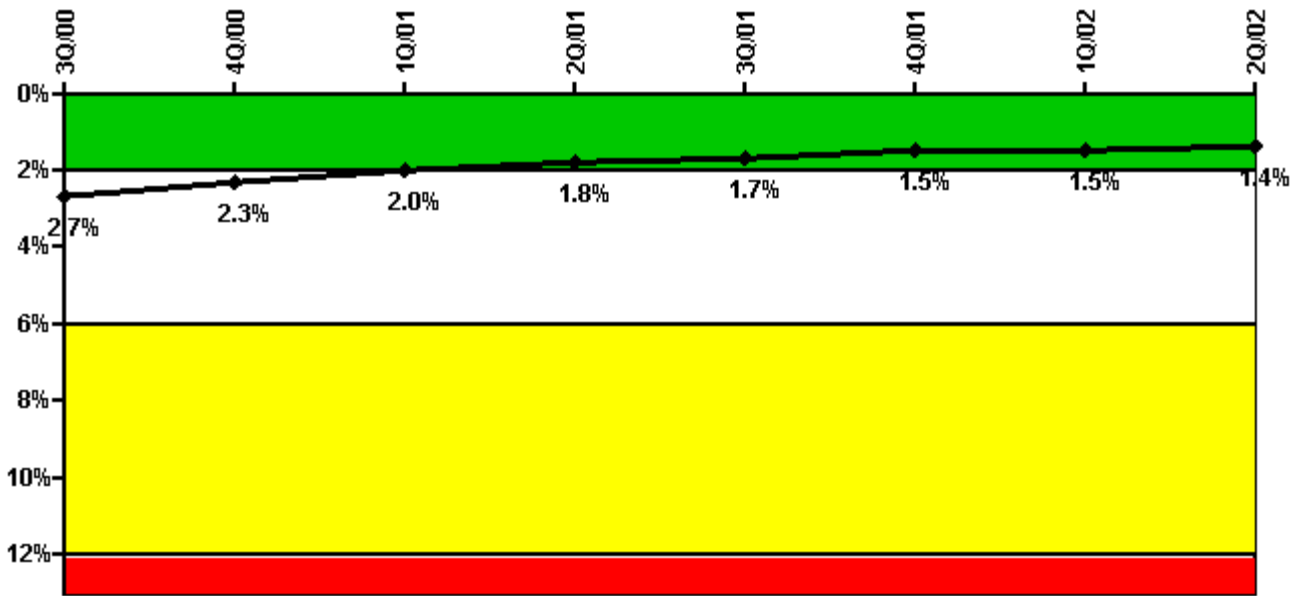
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	3.74	3.62	0.06	7.68	1.93	2.00	0.51	1.67
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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1194.56	2032.12
<b>Train 2</b>								
Planned unavailable hours	5.33	1.75	1.11	2.96	7.58	5.82	23.46	12.32
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	654.20	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	648.28	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1194.56	2032.12
<b>Indicator value</b>	<b>3.1%</b>	<b>2.7%</b>	<b>2.3%</b>	<b>2.1%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

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



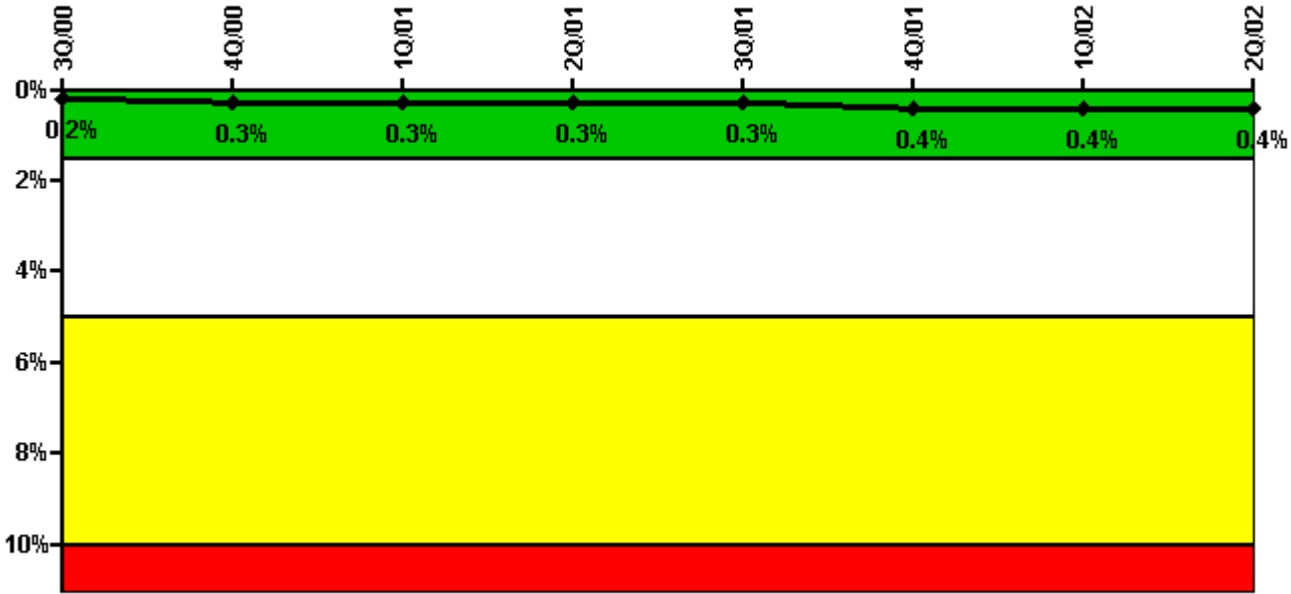
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	8.60	1.80	0.30	0.50	0.20	4.20	12.50	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	2208.00	2209.00	2160.00	2079.20	2208.00	2209.00	1112.30	1973.50
<b>Train 2</b>								
Planned unavailable hours	12.60	2.80	0.60	1.00	10.10	2.20	0	0
Unplanned unavailable hours	0	1.80	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	2208.00	2209.00	2160.00	2079.20	2208.00	2209.00	1112.30	1973.50
<b>Train 3</b>								
Planned unavailable hours	4.80	27.30	9.30	7.50	3.00	9.70	21.00	0
Unplanned unavailable hours	30.75	0	0	0	21.00	0	1.00	0
Fault exposure hours	672.50	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2079.20	2208.00	2209.00	1112.30	1973.50
<b>Indicator value</b>	<b>2.7%</b>	<b>2.3%</b>	<b>2.0%</b>	<b>1.8%</b>	<b>1.7%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.4%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



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

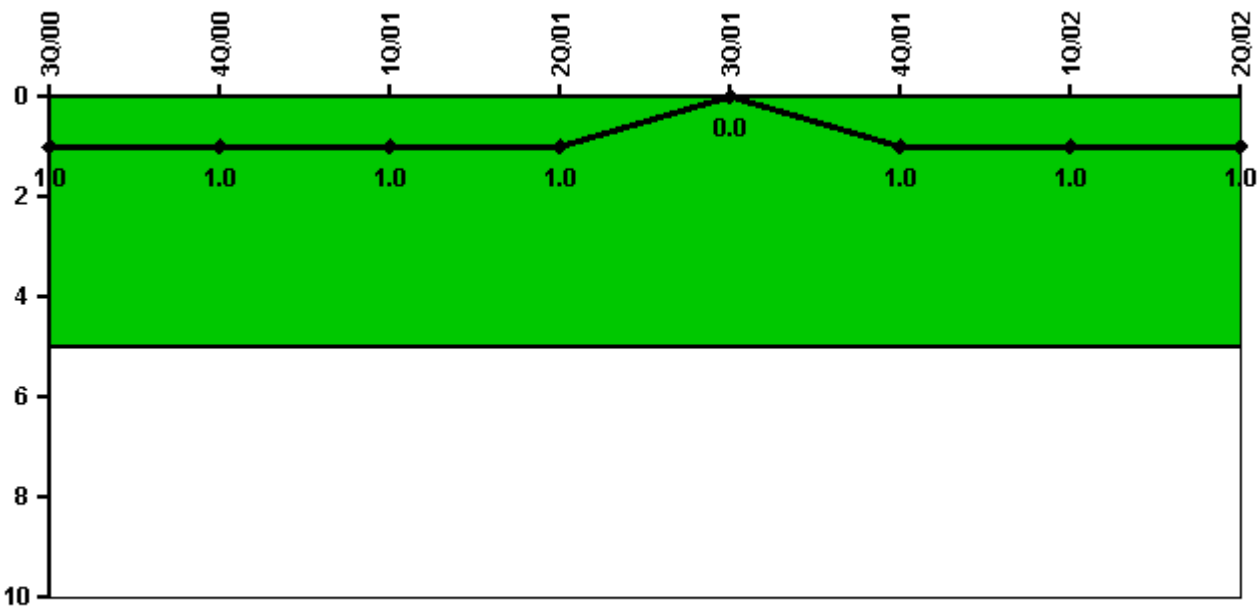
#### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
<b>Train 1</b>								
Planned unavailable hours	8.01	4.38	5.31	12.68	7.46	25.70	2.96	11.01
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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1181.10	2032.12
<b>Train 2</b>								
Planned unavailable hours	6.33	7.61	5.06	4.46	5.91	9.14	5.11	27.88
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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1181.10	2032.12
<b>Train 3</b>								
Planned unavailable hours	0	0	0	0	0	0	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	0	0	0	0	0	0	971.30	131.00
<b>Train 4</b>								
Planned unavailable hours	0	0	0	0	0	0	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	0	0	0	0	0	0	971.30	131.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.4%

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

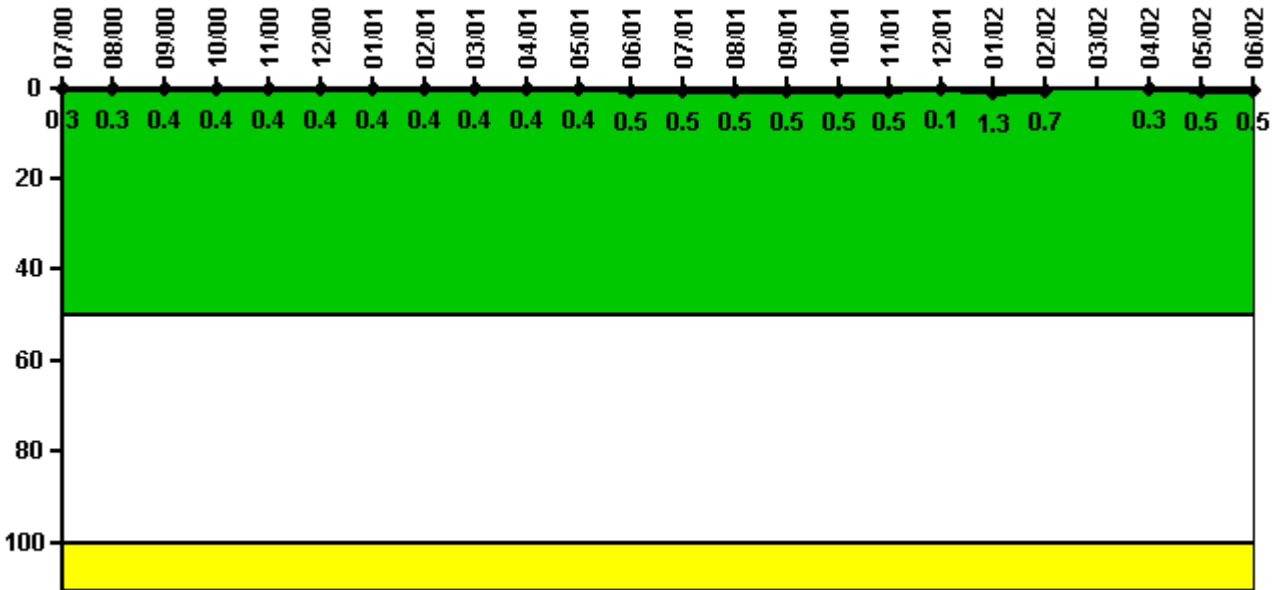
### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

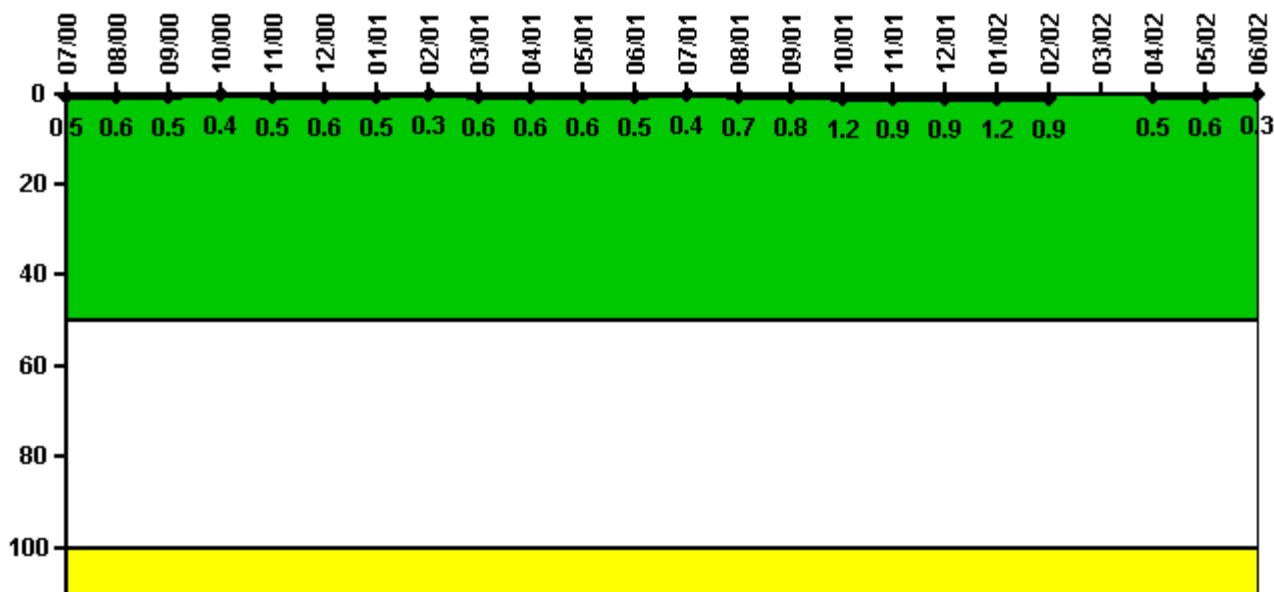
Reactor Coolant System Activity	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.003260	0.003190	0.003530	0.003800	0.003700	0.004310	0.003910	0.004290	0.004000	0.004110	0.004440	0.004520
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.004500	0.004680	0.004890	0.005150	0.005430	0.001240	0.012600	0.007420	N/A	0.003230	0.004840	0.005450
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	0.5	0.5	0.5	0.1	1.3	0.7	N/A	0.3	0.5	0.5

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

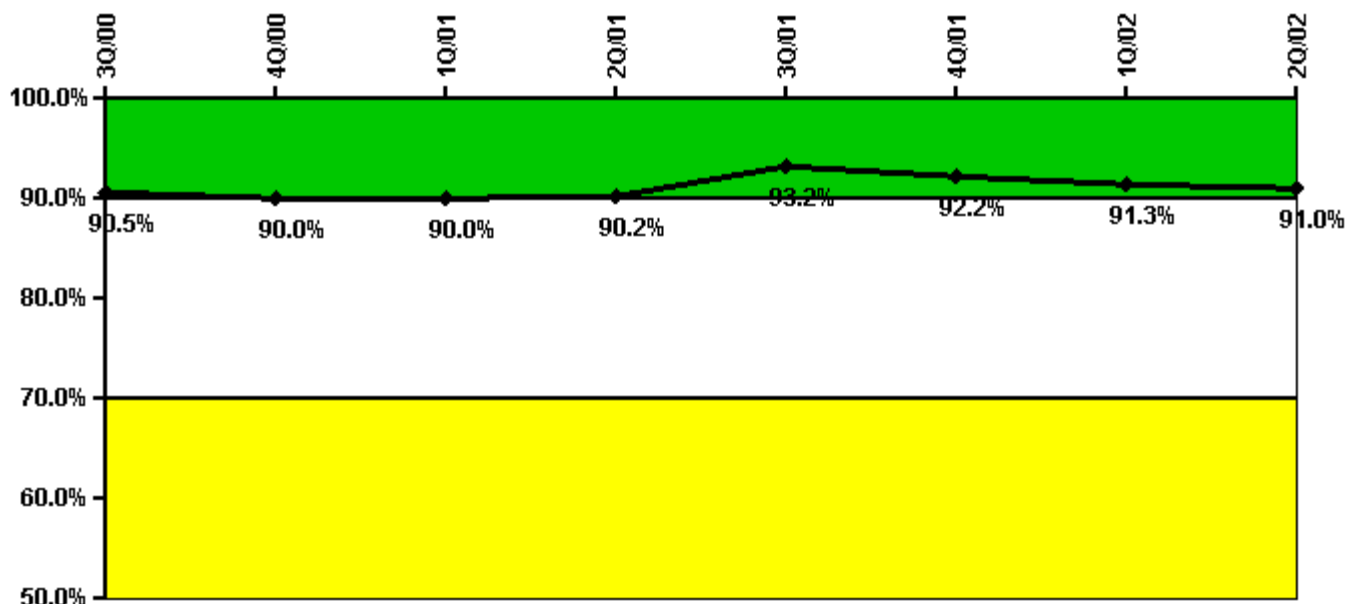
Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.050	0.059	0.047	0.040	0.053	0.055	0.048	0.025	0.062	0.060	0.056	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.6	0.5	0.4	0.5	0.6	0.5	0.3	0.6	0.6	0.6	0.5

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.035	0.068	0.077	0.116	0.091	0.087	0.124	0.094	N/A	0.054	0.055	0.031
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	0.4	0.7	0.8	1.2	0.9	0.9	1.2	0.9	N/A	0.5	0.6	0.3

Licensee Comments: none

### Drill/Exercise Performance



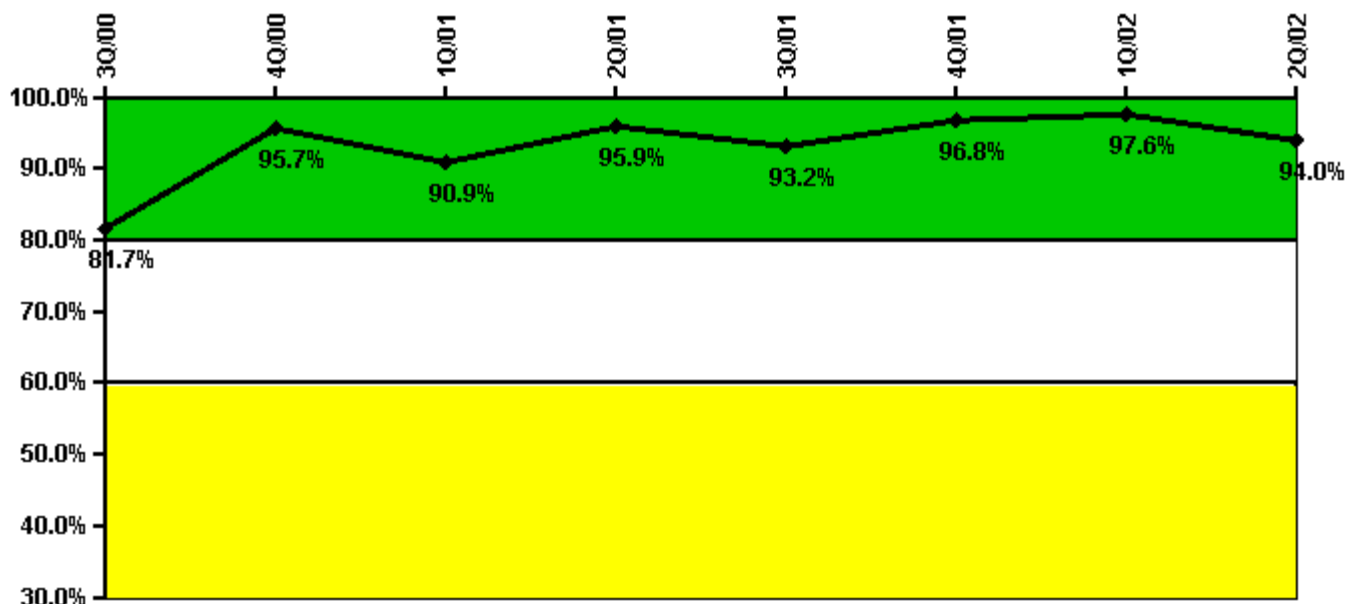
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	0	11.0	0	41.0	18.0	31.0	0	30.0
Total opportunities	0	12.0	0	45.0	19.0	36.0	0	32.0
Indicator value	90.5%	90.0%	90.0%	90.2%	93.2%	92.2%	91.3%	91.0%

Licensee Comments: none

### ERO Drill Participation



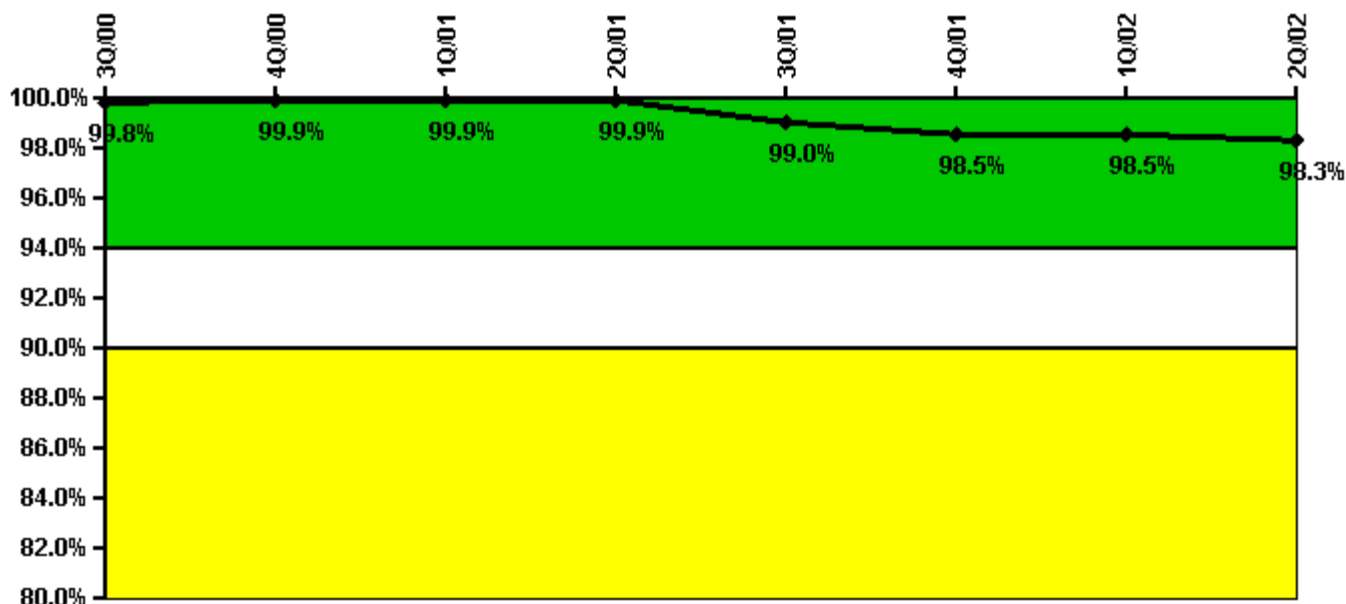
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	58.0	66.0	60.0	71.0	68.0	92.0	83.0	79.0
Total Key personnel	71.0	69.0	66.0	74.0	73.0	95.0	85.0	84.0
Indicator value	81.7%	95.7%	90.9%	95.9%	93.2%	96.8%	97.6%	94.0%

Licensee Comments: none

### Alert & Notification System



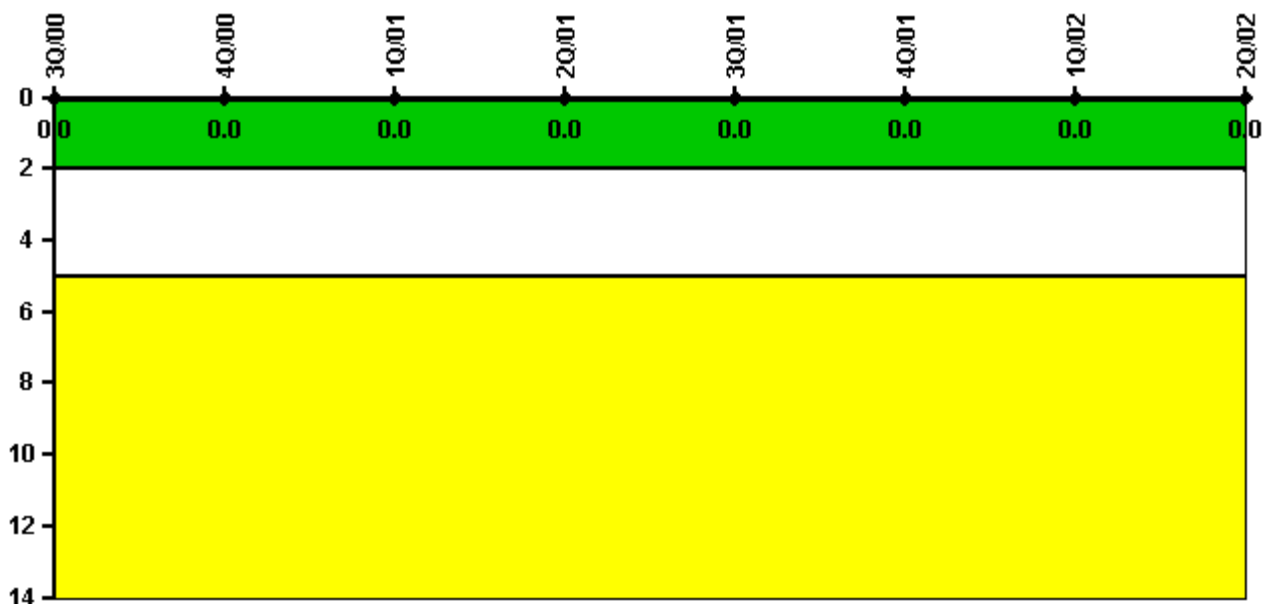
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	308	474	314	316	463	313	316	314
Total sirens-tests	308	474	316	316	477	318	318	318
Indicator value	99.8%	99.9%	99.9%	99.9%	99.0%	98.5%	98.5%	98.3%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

**Notes**

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



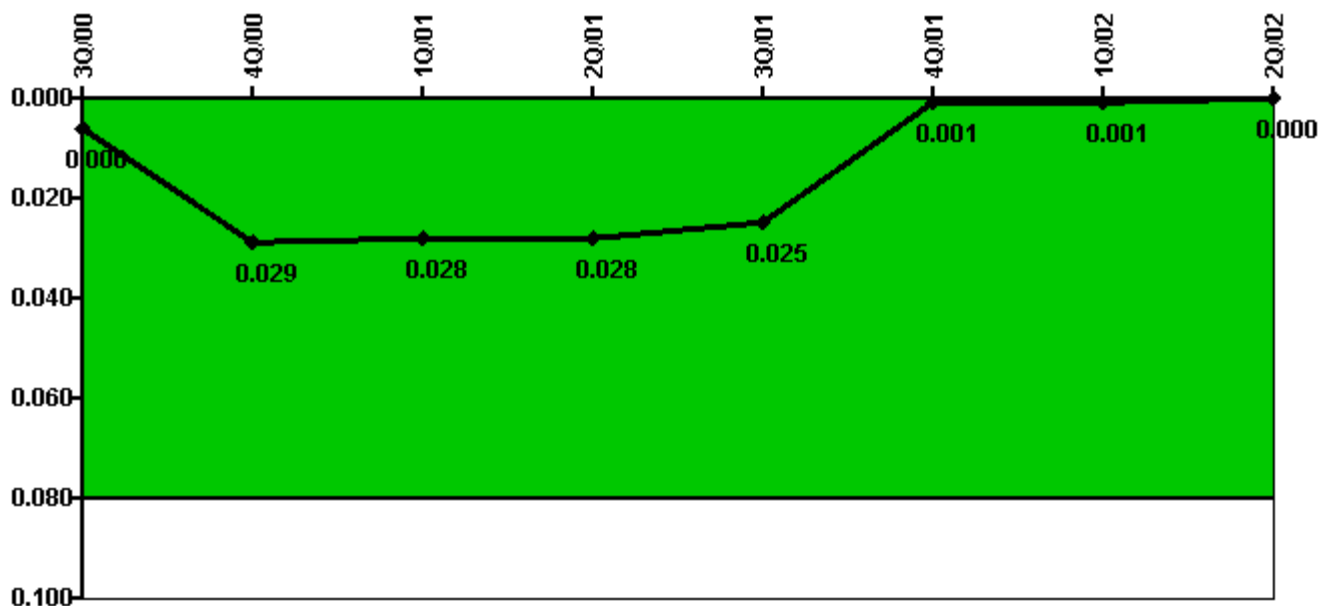
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

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

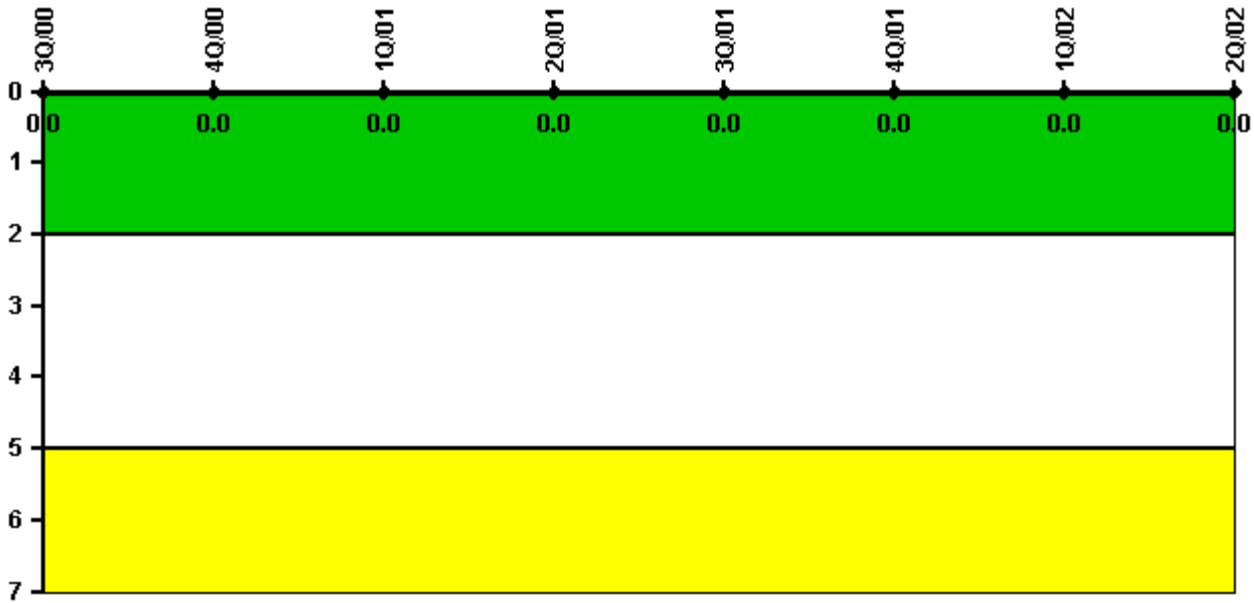
#### Notes

Protected Area Security Performance Index	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
IDS compensatory hours	134.00	1037.00	0	28.70	1.50	0	4.80	0
CCTV compensatory hours	12.9	0	10.5	0	0	0	0.1	5.2
IDS normalization factor	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
CCTV normalization factor	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Index Value	0.006	0.029	0.028	0.028	0.025	0.001	0.001	0

Licensee Comments: none



### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/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	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/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: July 31, 2002