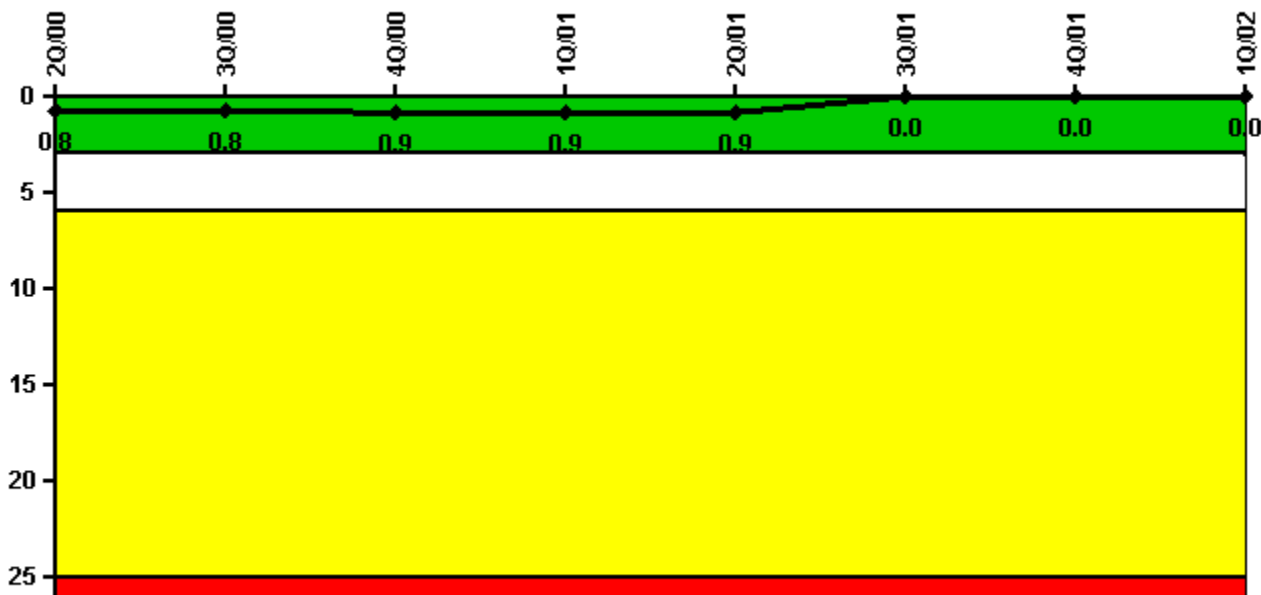


# Wolf Creek 1

## 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	1.0	0	0	0	0	0	0
Critical hours	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0	1946.2
Indicator value	0.8	0.8	0.9	0.9	0.9	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



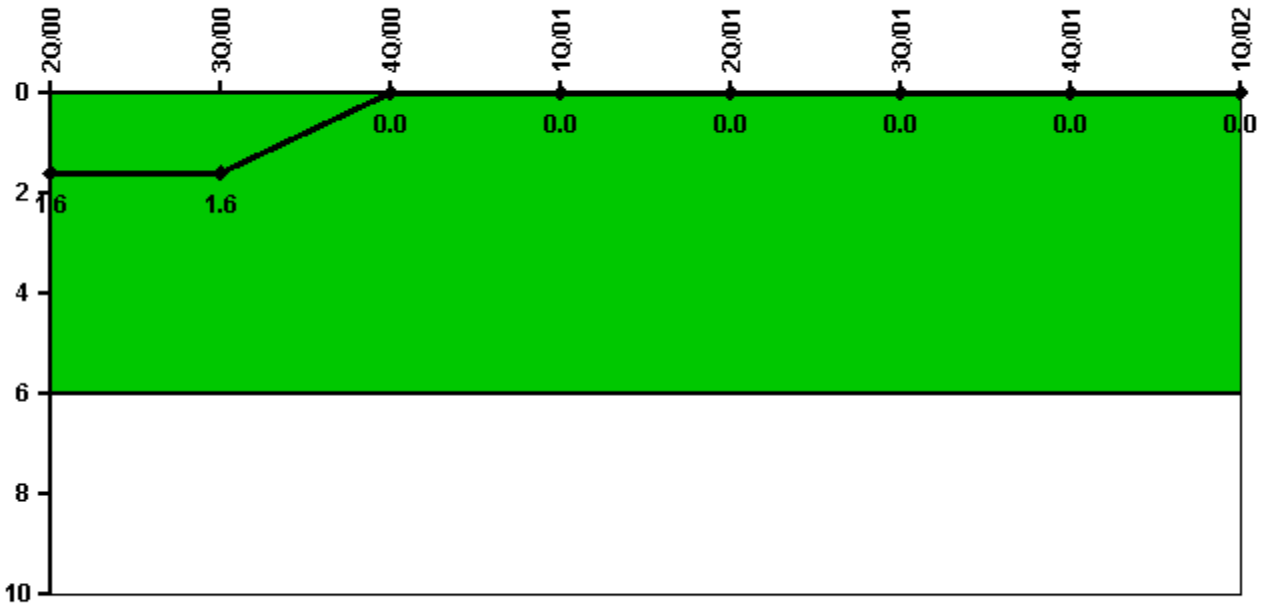
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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



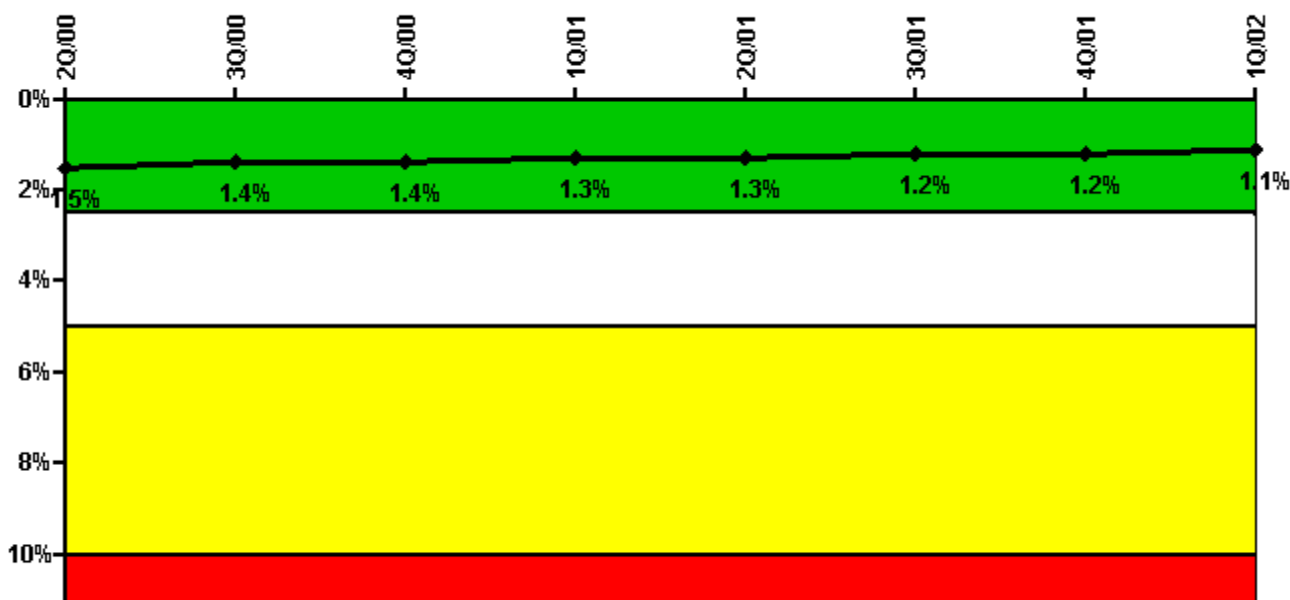
Thresholds: White > 6.0

#### 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	0	0	0	0	0	0
Critical hours	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0	1946.2
Indicator value	1.6	1.6	0	0	0	0	0	0

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



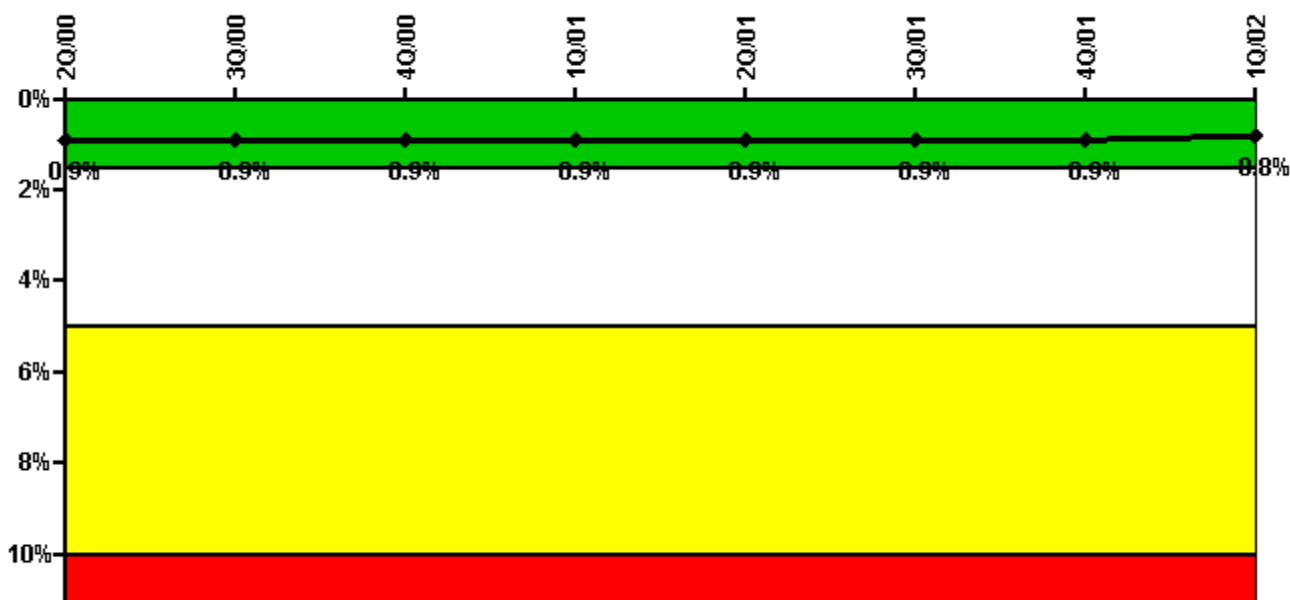
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	33.88	2.60	15.72	2.72	31.00	0.70	42.84	1.12
Unplanned unavailable hours	4.78	0	0	0	14.08	0	0	15.73
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	395.50	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1956.70
<b>Train 2</b>								
Planned unavailable hours	3.64	19.17	0.95	9.27	0.98	18.10	16.03	44.00
Unplanned unavailable hours	20.57	0	7.43	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	1.5%	1.4%	1.4%	1.3%	1.3%	1.2%	1.2%	1.1%

Licensee Comments: none

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



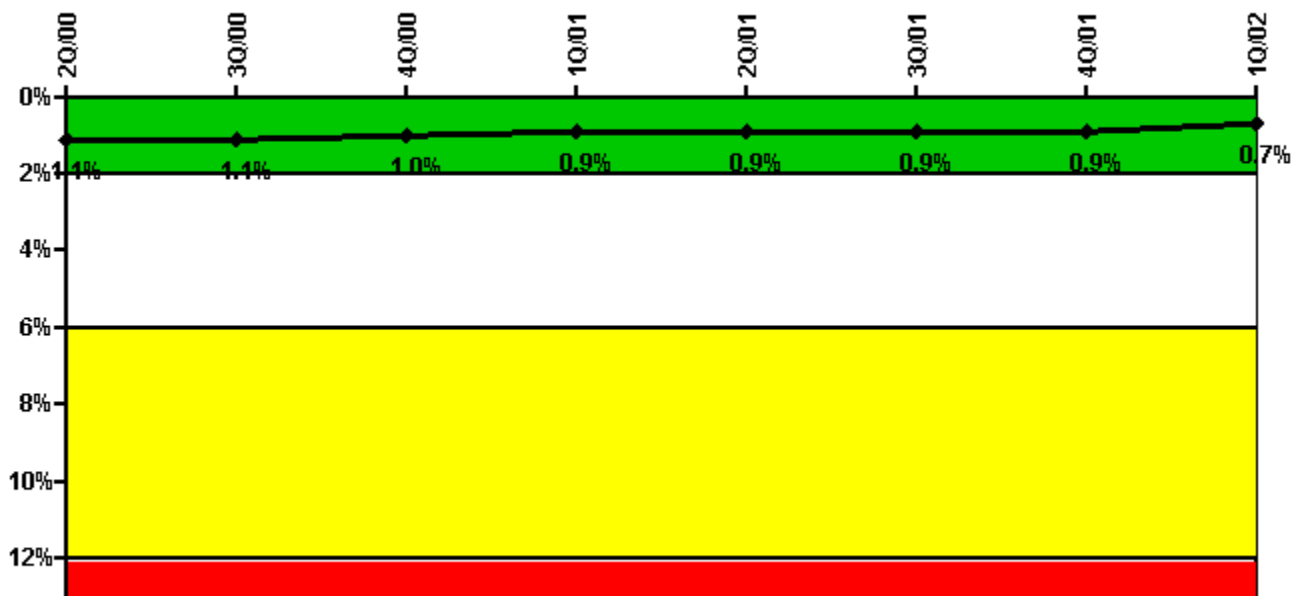
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
<b>Train 1</b>								
Planned unavailable hours	33.36	8.78	8.32	8.13	6.73	0.17	40.81	7.60
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	1421.00	2160.00	2183.00	2208.00	2209.00	1952.90
<b>Train 2</b>								
Planned unavailable hours	18.04	16.23	0.74	5.59	19.73	15.80	6.55	6.57
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	1385.00	2160.00	2183.00	2208.00	2209.00	1956.70
<b>Train 3</b>								
Planned unavailable hours	9.34	11.63	8.30	16.45	0.16	7.07	30.73	0.51
Unplanned unavailable hours	0	0	0	0	0	0	4.00	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	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
<b>Train 4</b>								
Planned unavailable hours	5.90	20.86	0	13.74	0	23.58	0.70	6.42
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	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
Indicator value	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.8%

Licensee Comments: none

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



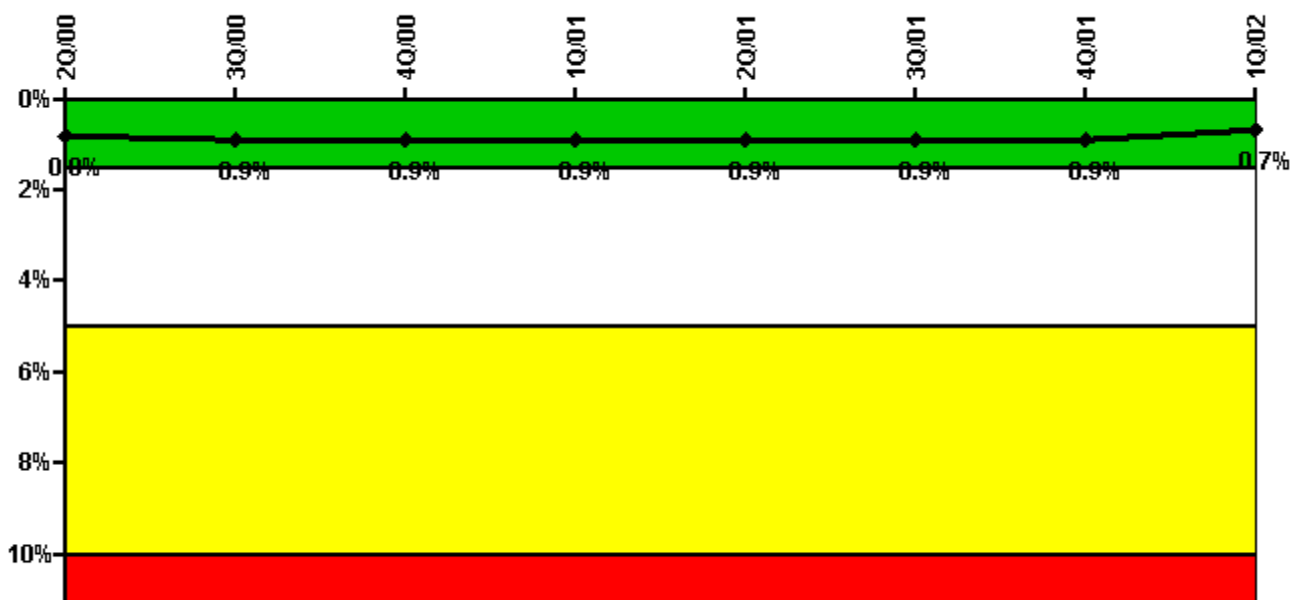
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### 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	3.44	15.48	9.25	5.68	0.10	20.65	31.80	9.55
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	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
<b>Train 2</b>								
Planned unavailable hours	1.93	18.51	1.78	17.66	0	30.61	2.45	11.30
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	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
<b>Train 3</b>								
Planned unavailable hours	2.51	17.71	2.04	9.03	0.25	11.52	1.31	5.81
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	1385.00	2160.00	2183.00	2208.00	2209.00	1952.90
Indicator value	1.1%	1.1%	1.0%	0.9%	0.9%	0.9%	0.9%	0.7%

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



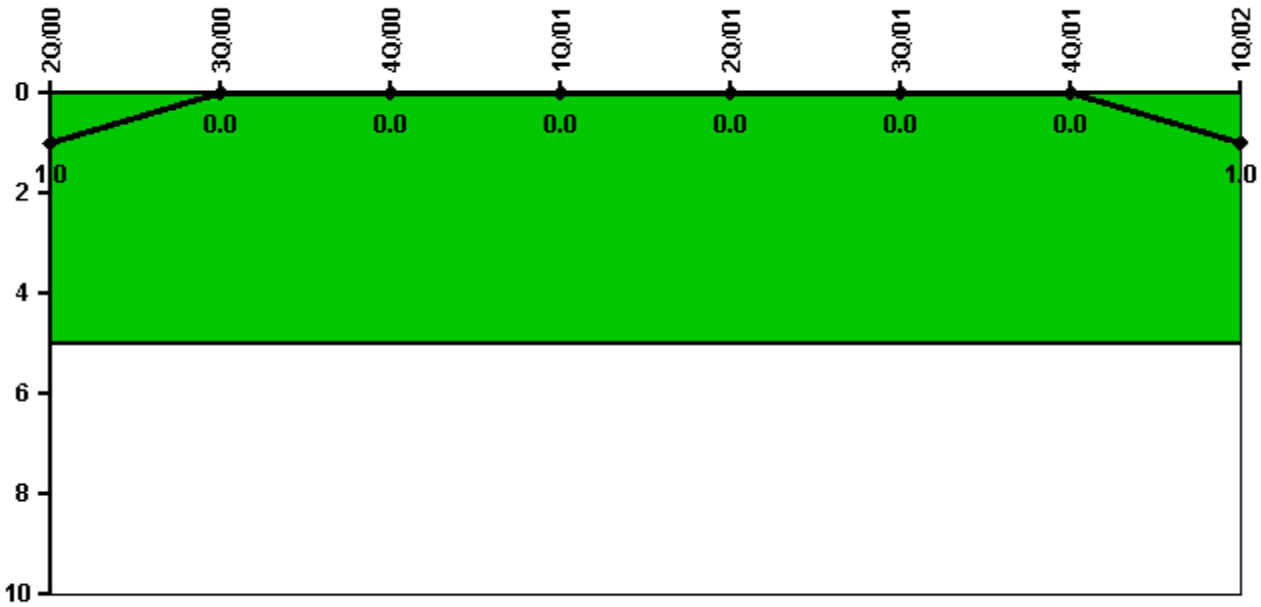
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### 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	26.51	11.05	7.97	7.65	10.09	6.84	35.81	9.27
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	2081.40
<b>Train 2</b>								
Planned unavailable hours	22.23	34.88	0	6.88	10.13	15.58	6.15	9.25
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	0.8%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.7%

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

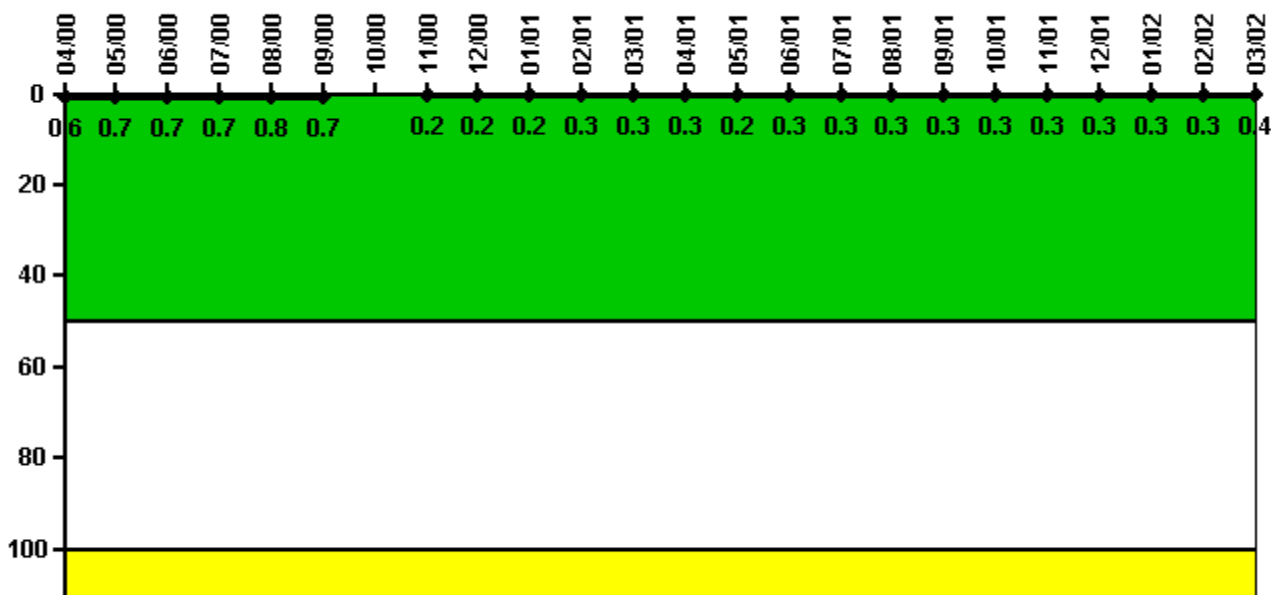
#### Notes

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	1
Indicator value	1	0	0	0	0	0	0	1

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

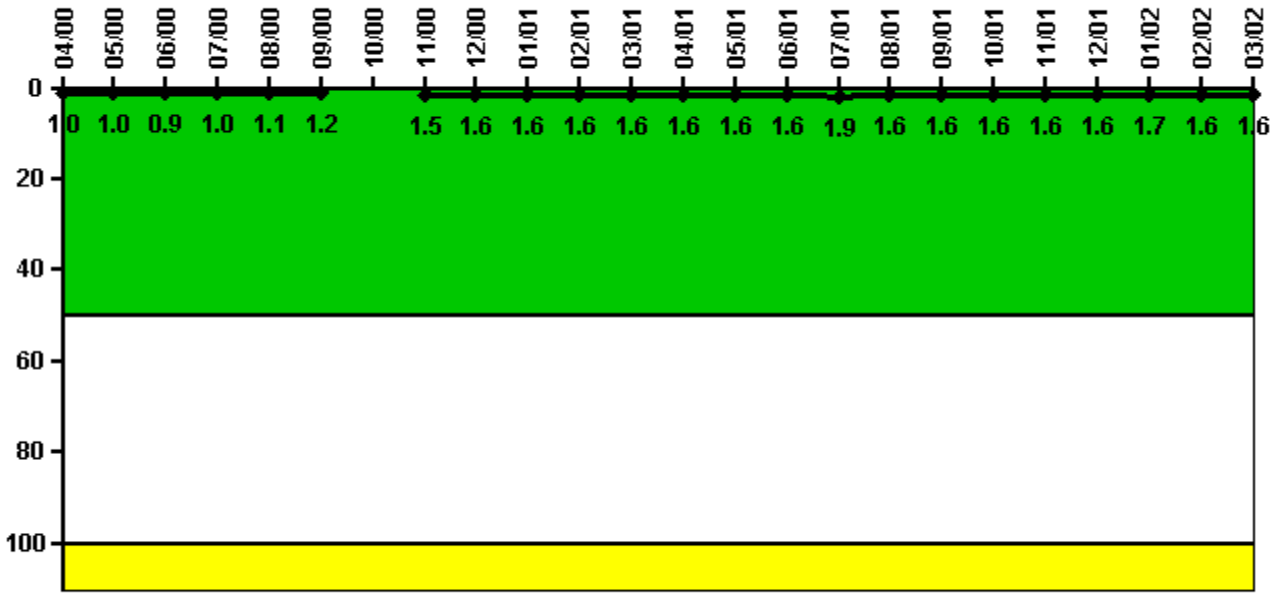
Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000	N/A	0.001530	0.001930	0.002240	0.003000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.6	0.7	0.7	0.7	0.8	0.7	N/A	0.2	0.2	0.2	0.3	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	0.003000	0.002000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.003000	0.004000
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	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

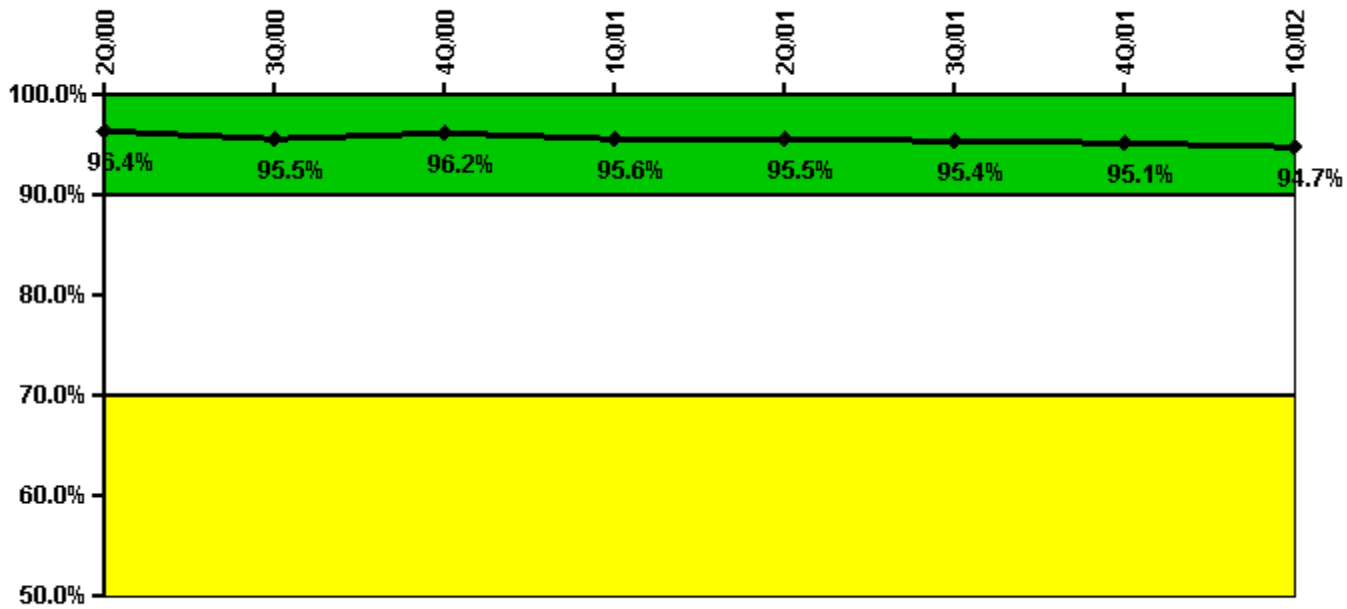
Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.098	0.100	0.088	0.095	0.105	0.124	N/A	0.155	0.161	0.162	0.162	0.162
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	1.0	0.9	1.0	1.1	1.2	N/A	1.5	1.6	1.6	1.6	1.6

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	0.163	0.160	0.161	0.195	0.163	0.160	0.160	0.160	0.160	0.170	0.160	0.160
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	1.6	1.6	1.9	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

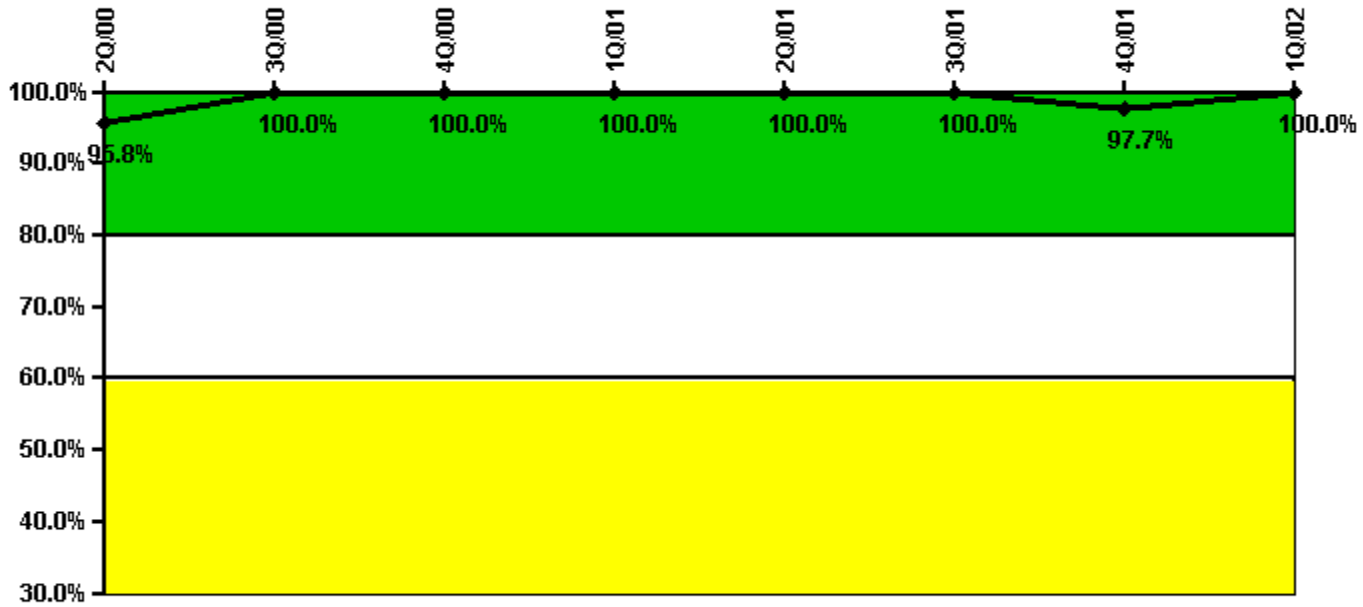
#### Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	39.0	64.0	25.0	55.0	29.0	26.0	59.0	6.0
Total opportunities	40.0	71.0	25.0	59.0	30.0	26.0	63.0	6.0
Indicator value	96.4%	95.5%	96.2%	95.6%	95.5%	95.4%	95.1%	94.7%

Licensee Comments:

1Q/01: Number of opportunities performed timely and accurately for Q12001 revised from 56 to 55 based on review and interpretation of FAQ 242. No impact on PI color.

### ERO Drill Participation



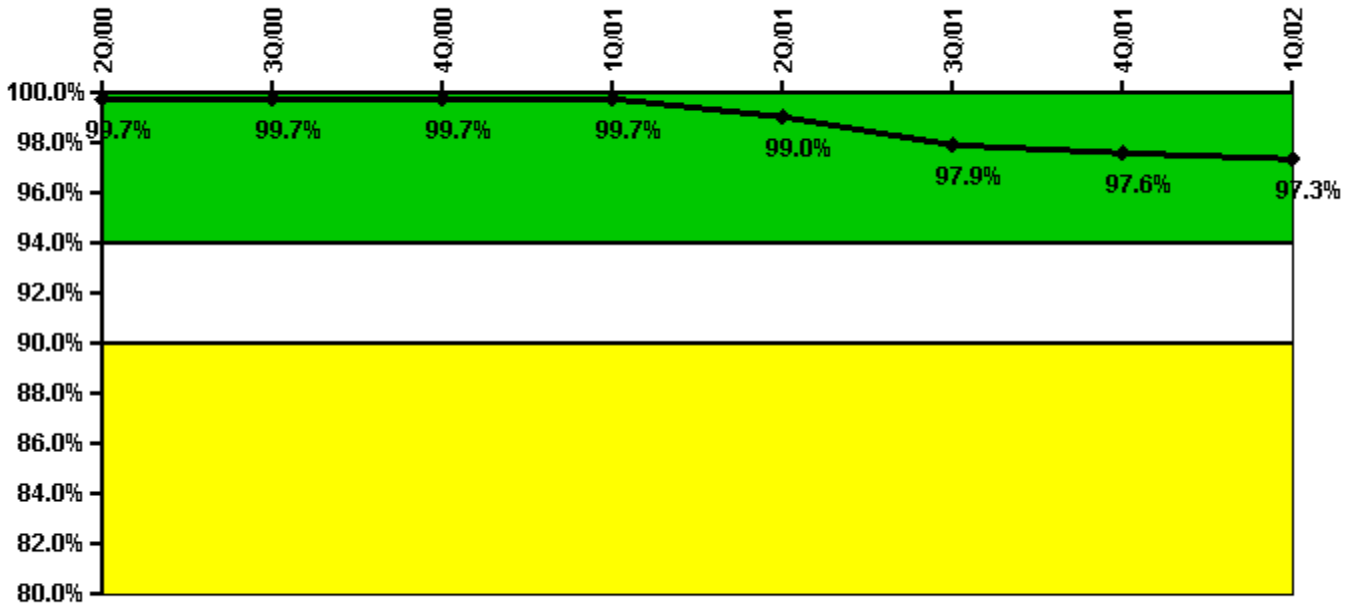
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	46.0	46.0	46.0	46.0	44.0	43.0	42.0	46.0
Total Key personnel	48.0	46.0	46.0	46.0	44.0	43.0	43.0	46.0
Indicator value	95.8%	100.0%	100.0%	100.0%	100.0%	100.0%	97.7%	100.0%

Licensee Comments: none

### Alert & Notification System



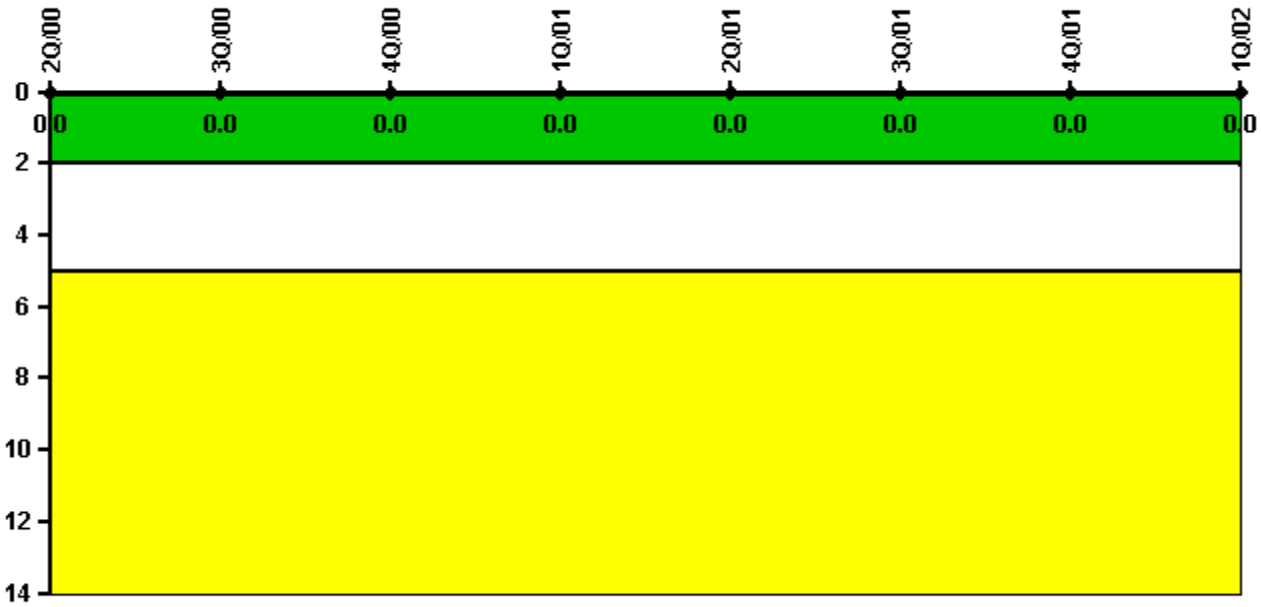
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	76	66	77	66	74	63	76	76
Total sirens-tests	77	66	77	66	77	66	77	77
Indicator value	99.7%	99.7%	99.7%	99.7%	99.0%	97.9%	97.6%	97.3%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



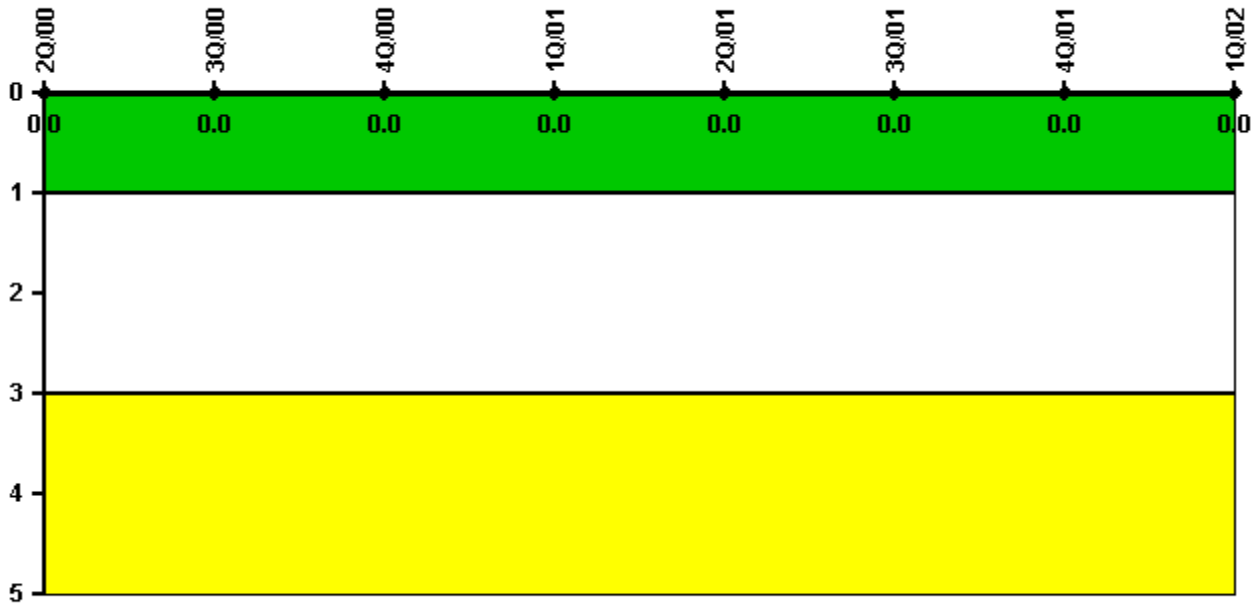
Thresholds: White > 2.0 Yellow > 5.0

#### 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



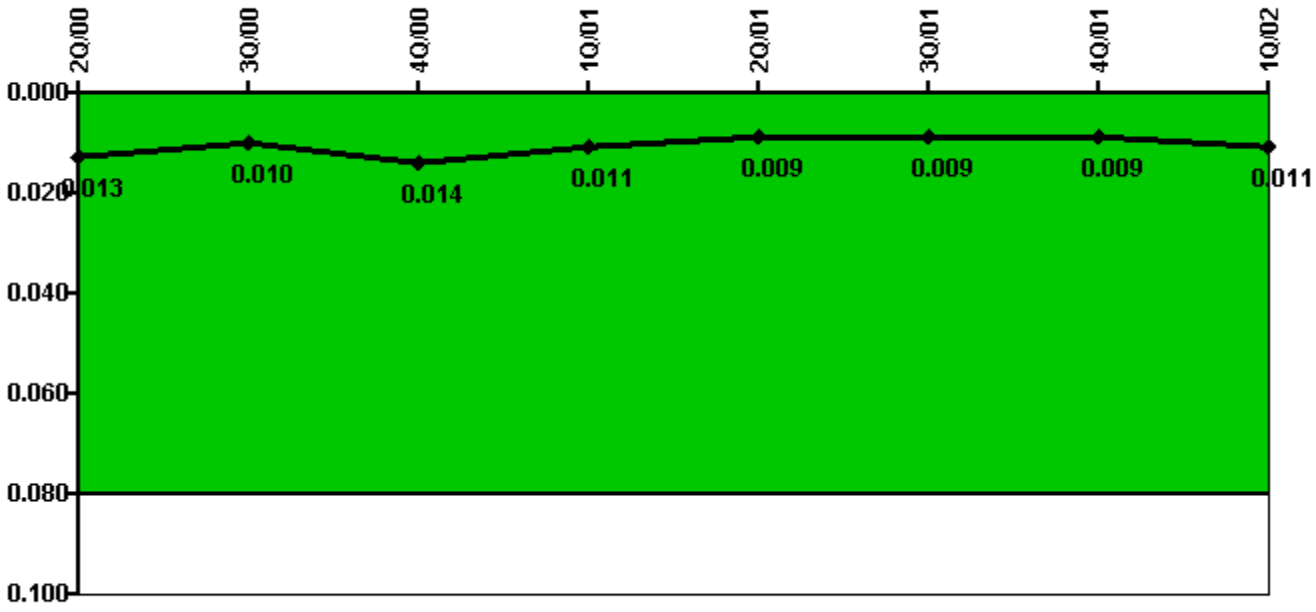
Thresholds: White > 1.0 Yellow > 3.0

#### 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

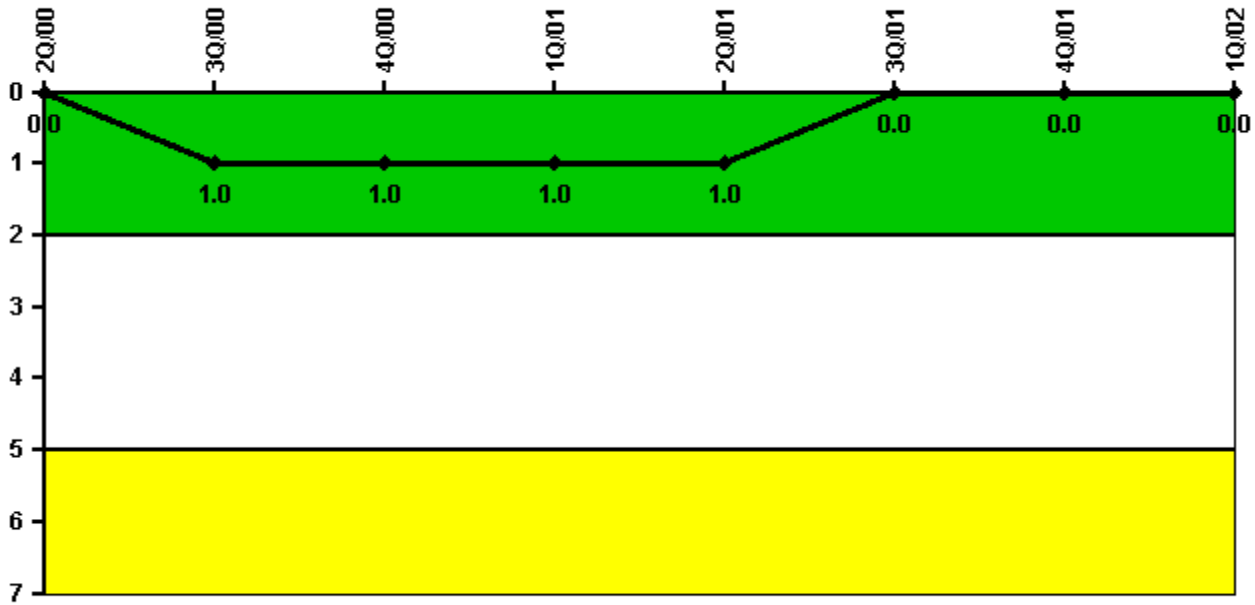
#### Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	28.40	25.50	106.30	14.80	28.10	50.80	133.00	88.50
CCTV compensatory hours	35.8	36.0	26.7	2.6	1.1	3.3	2.8	0.5
IDS normalization factor	1.50	1.50	1.50	1.50	1.55	1.55	1.55	1.55
CCTV normalization factor	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
Index Value	0.013	0.010	0.014	0.011	0.009	0.009	0.009	0.011

Licensee Comments: none



### Personnel Screening Program



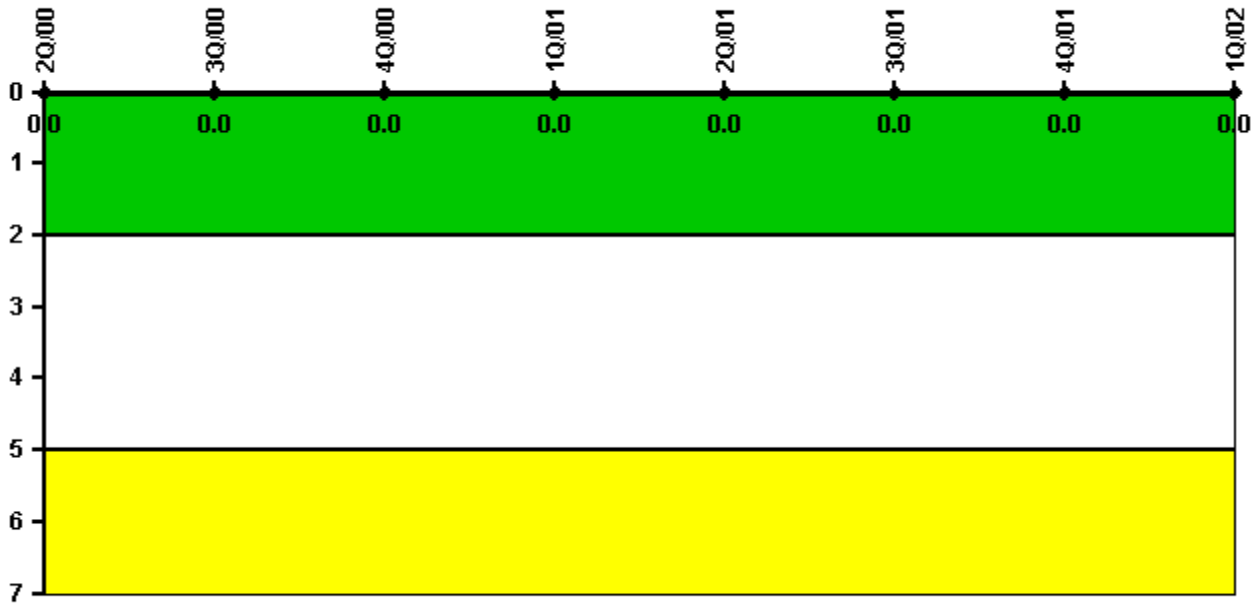
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program failures	0	1	0	0	0	0	0	0
Indicator value	0	1	1	1	1	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