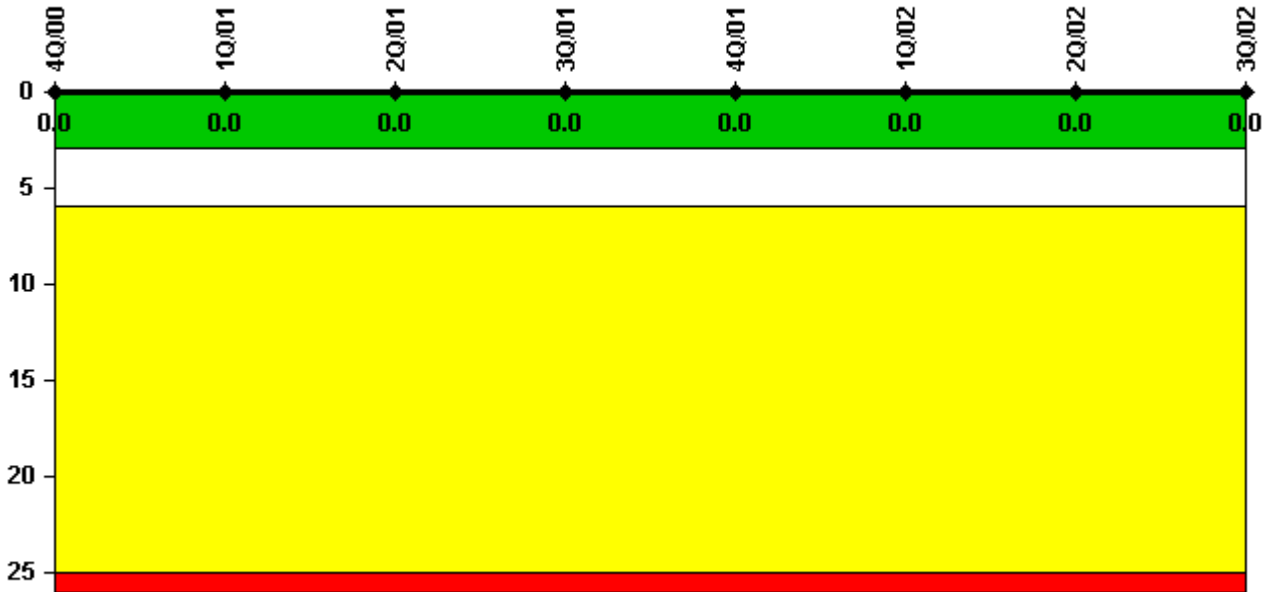


# Fort Calhoun

## 3Q/2002 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



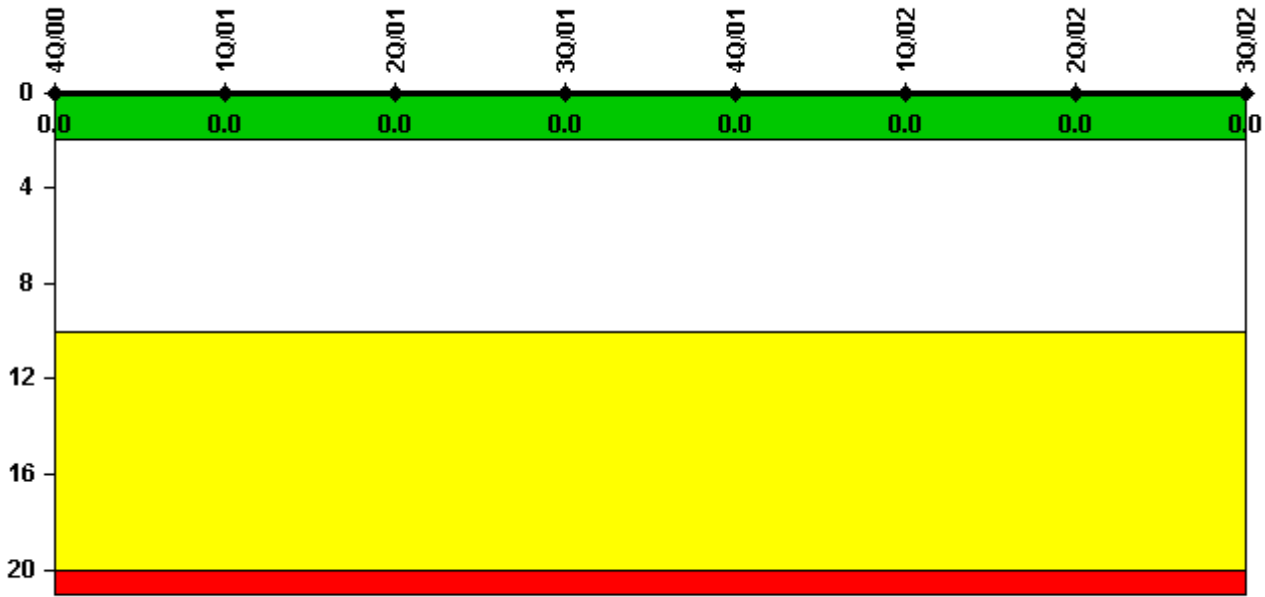
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1664.3	1776.8	1541.0	2208.0	2209.0	2160.0	1505.4	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



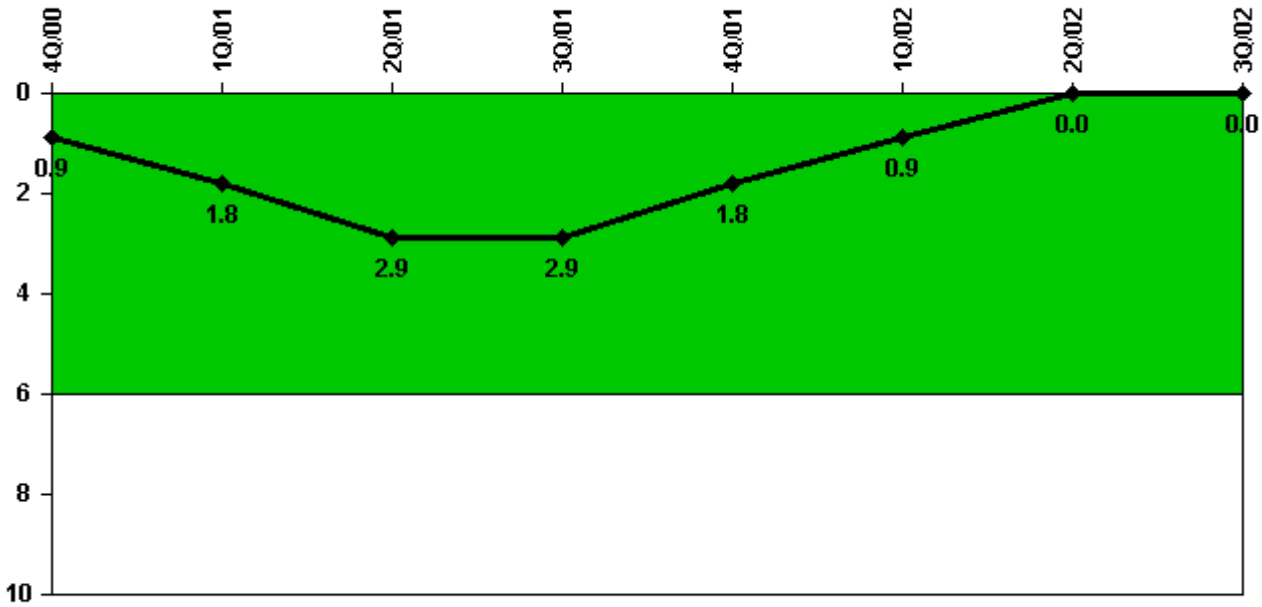
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/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



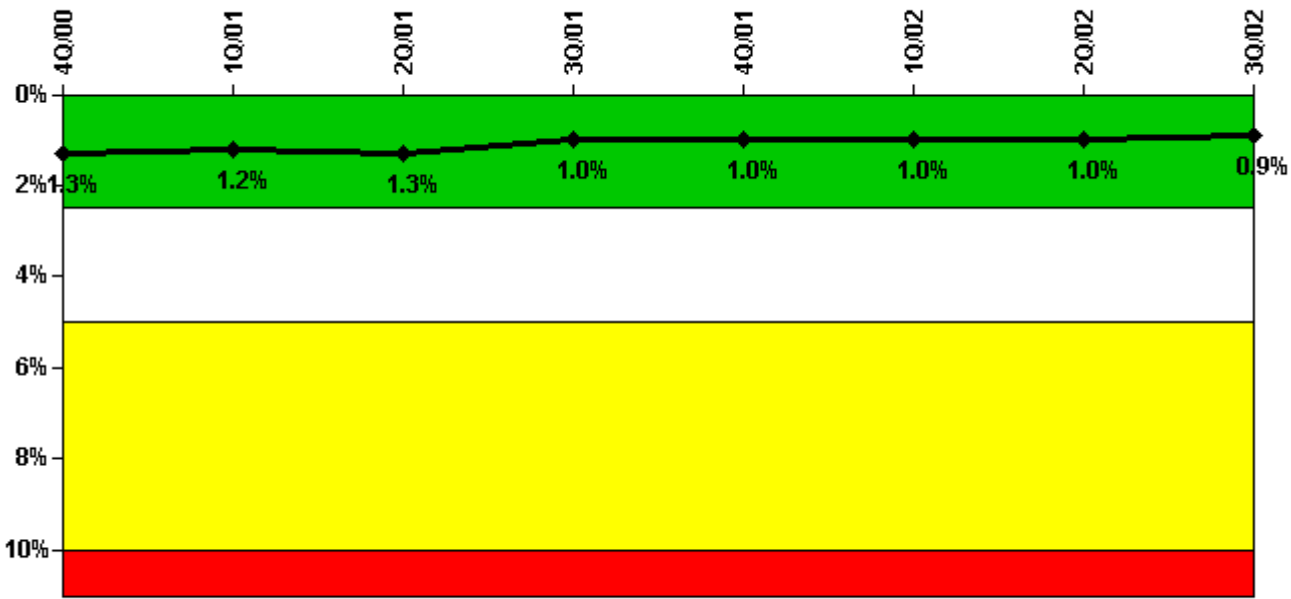
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	1.0	1.0	1.0	0	0	0	0	0
Critical hours	1664.3	1776.8	1541.0	2208.0	2209.0	2160.0	1505.4	2208.0
Indicator value	0.9	1.8	2.9	2.9	1.8	0.9	0	0

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



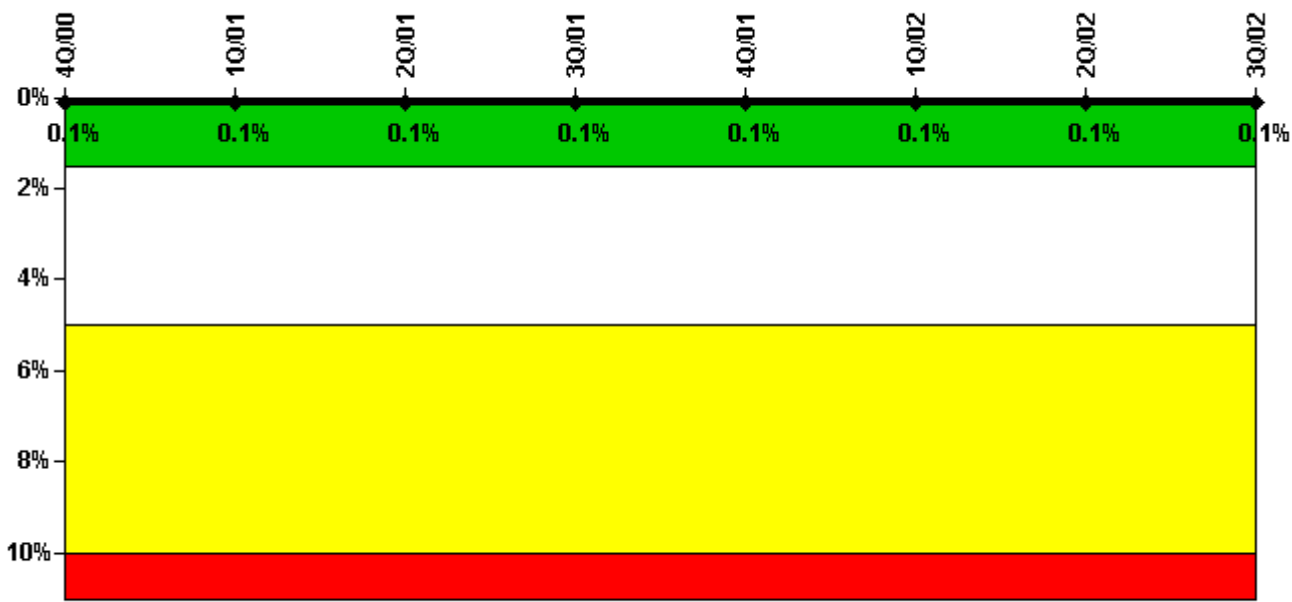
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	31.50	15.40	14.88	24.50	69.80	15.40	14.65	10.30
Unplanned unavailable hours	5.80	0	0	0	5.00	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	2210.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	17.20	23.05	10.58	11.00	14.20	10.90	15.50	17.50
Unplanned unavailable hours	8.00	0	0	0	0.90	0	0	6.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2210.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>1.3%</b>	<b>1.2%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>0.9%</b>

Licensee Comments: none

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



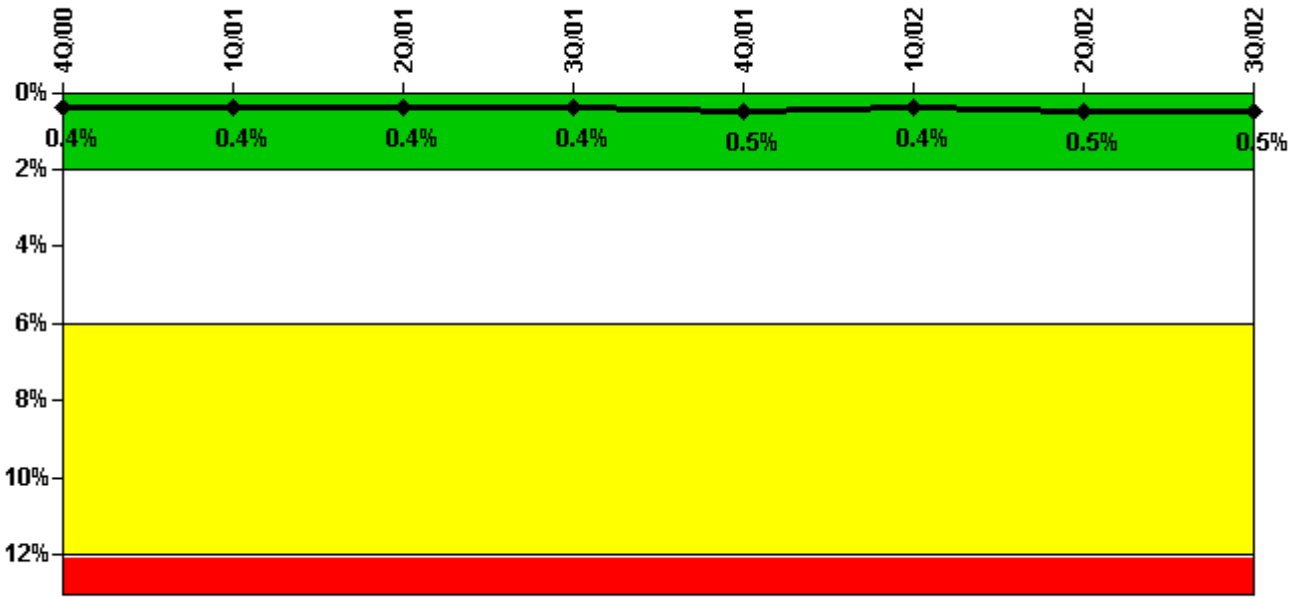
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0	0	0.28	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	1664.30	1825.70	1602.00	2208.00	2209.00	2160.00	1585.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	0.40	5.40	0	8.90	1.40	0.40	11.68	1.40
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	1664.30	1825.70	1602.00	2208.00	2209.00	2160.00	1585.00	2208.00
Indicator value	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

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



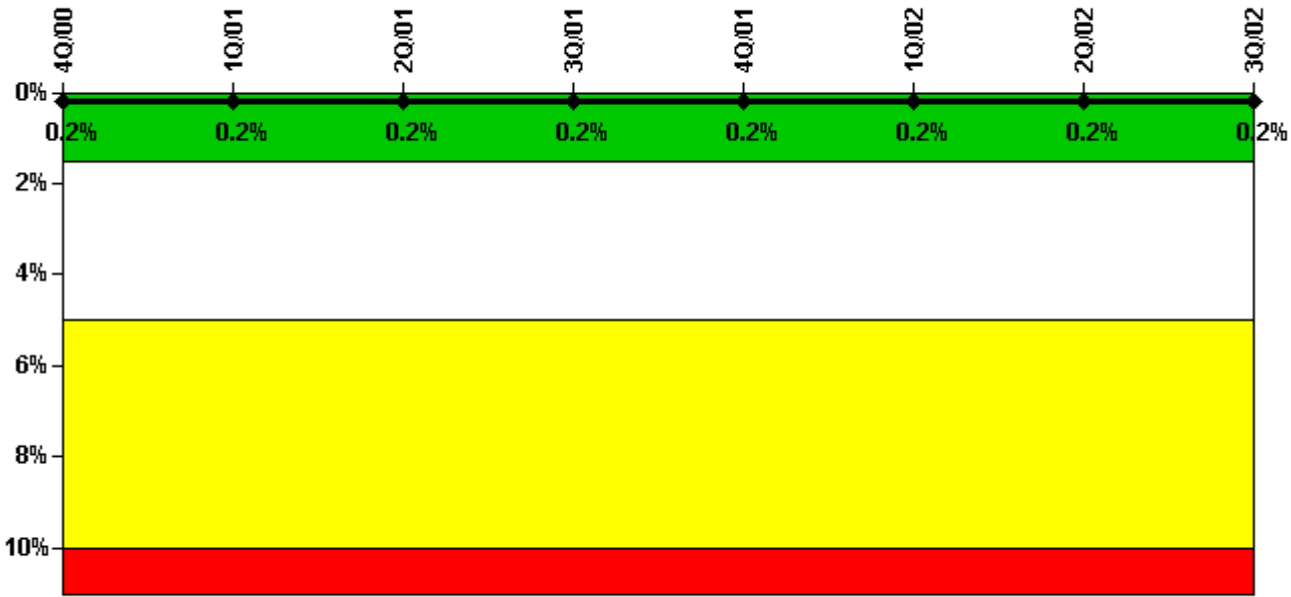
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	12.69	3.68	0	0	19.72	11.22	7.00	1.31
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	1664.28	1776.83	1541.00	2208.00	2209.00	2160.00	1505.40	2208.00
<b>Train 2</b>								
Planned unavailable hours	0	6.10	12.50	14.08	10.44	6.60	4.20	11.32
Unplanned unavailable hours	0	0	11.00	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	1664.28	1776.83	1541.00	2208.00	2209.00	2160.00	1505.40	2208.00
<b>Indicator value</b>	0.4%	0.4%	0.4%	0.4%	0.5%	0.4%	0.5%	0.5%

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



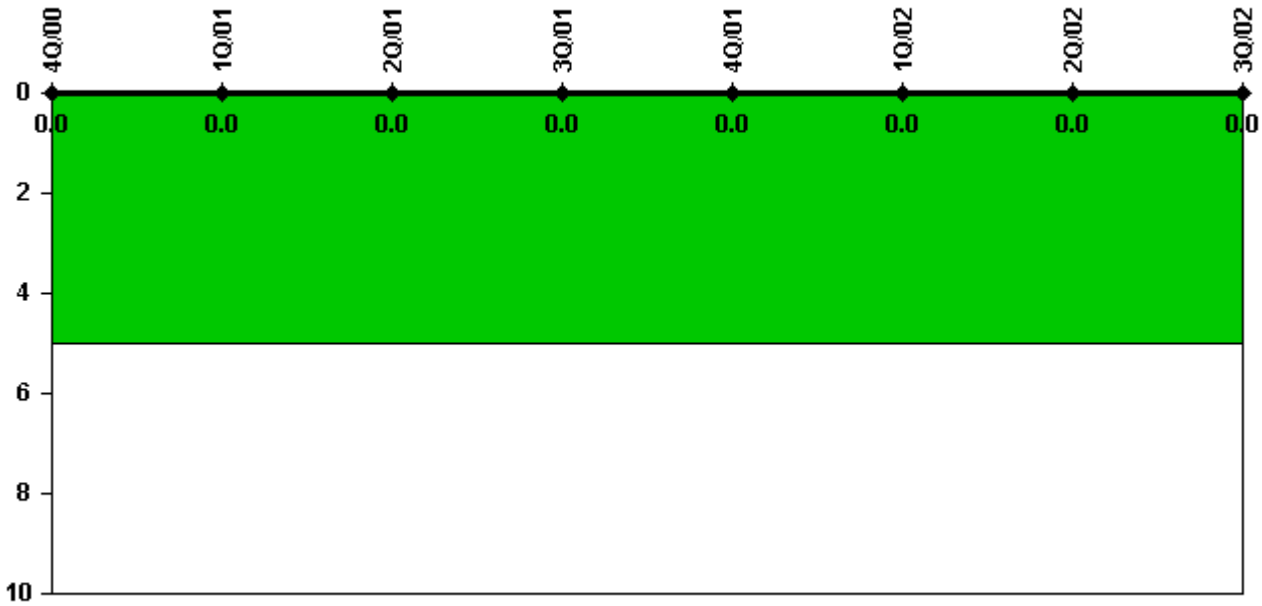
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
<b>Train 1</b>								
Planned unavailable hours	21.60	4.40	0.40	0.40	6.20	11.50	12.60	0.80
Unplanned unavailable hours	0	0	0	0	0.10	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	1664.30	1825.70	1603.00	2208.00	2209.00	2160.00	1585.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0	0	0	0	1.50	0.40
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	1664.30	1825.70	1603.00	2208.00	2209.00	2160.00	1585.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	0.40	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	544.70	383.17	641.00	0	0	0	540.30	0
<b>Train 4</b>								
Planned unavailable hours	2.00	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	544.70	383.17	641.00	0	0	0	540.30	0
<b>Indicator value</b>	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

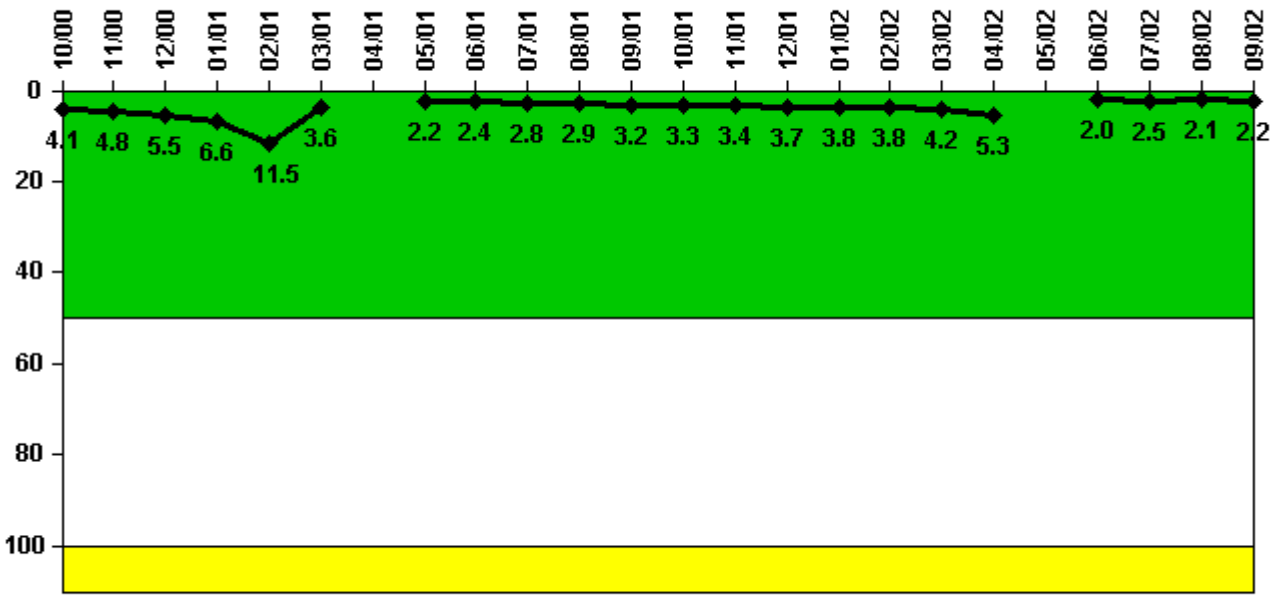
#### Notes

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

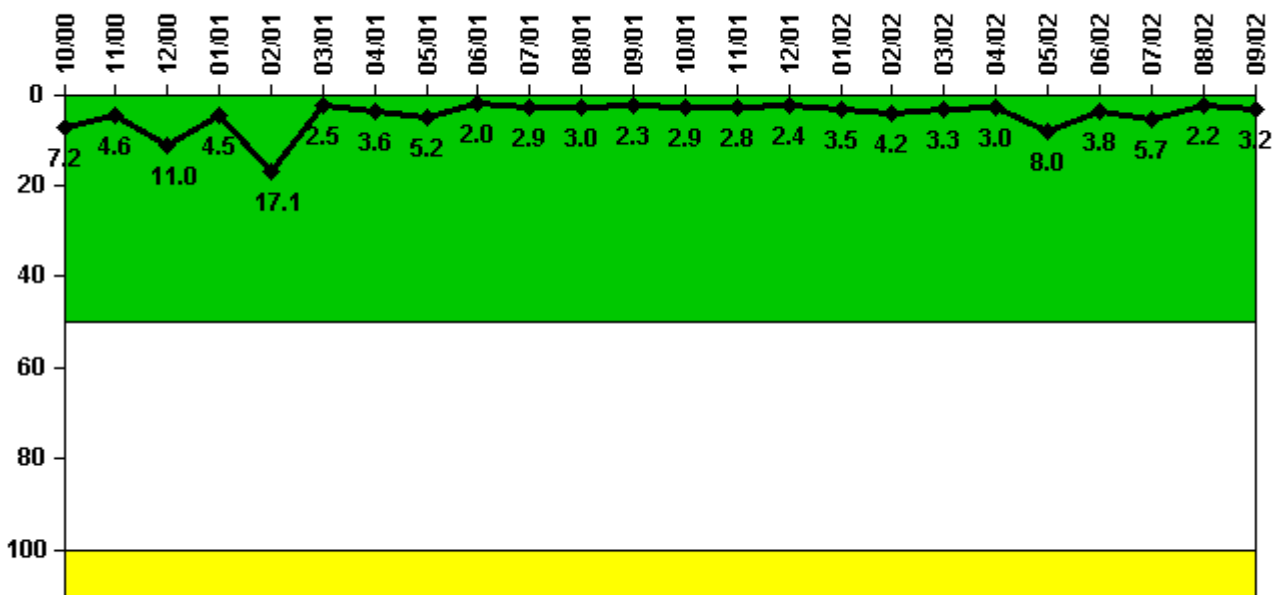
Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.040900	0.047600	0.055400	0.065800	0.115000	0.036100	N/A	0.022200	0.024200	0.027900	0.029100	0.032400
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	4.1	4.8	5.5	6.6	11.5	3.6	N/A	2.2	2.4	2.8	2.9	3.2

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.032700	0.034100	0.037200	0.037700	0.038400	0.041500	0.053100	N/A	0.020000	0.025200	0.020600	0.022100
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	3.3	3.4	3.7	3.8	3.8	4.2	5.3	N/A	2.0	2.5	2.1	2.2

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

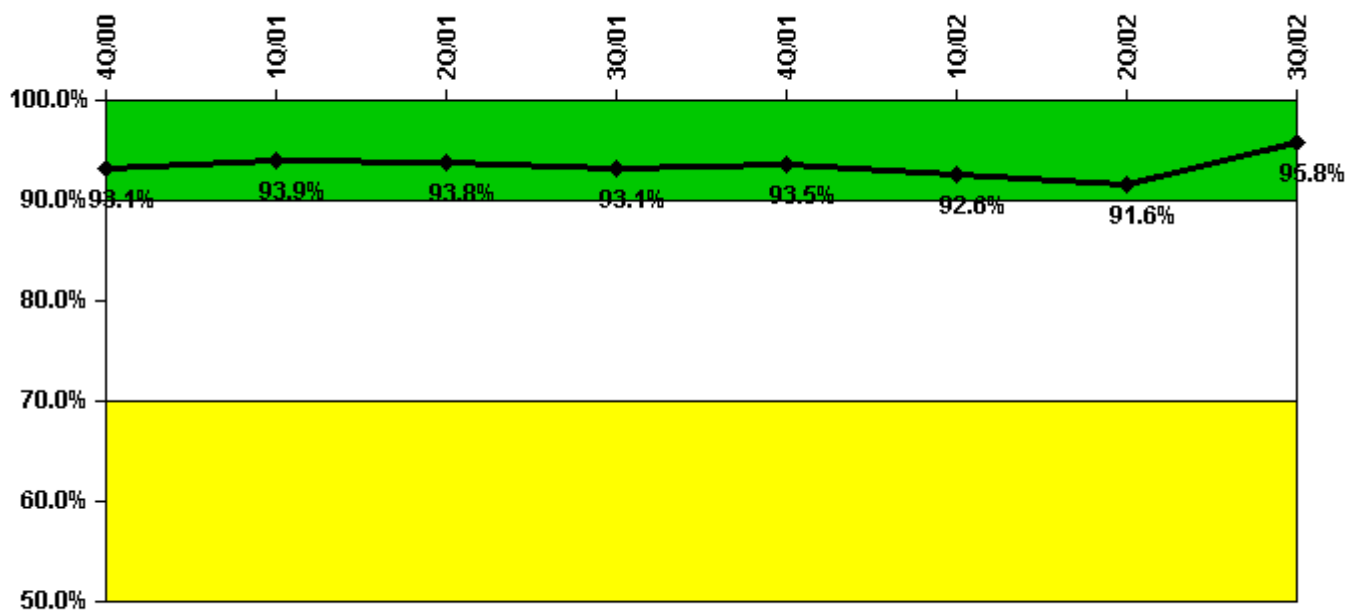
Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.720	0.460	1.100	0.445	1.710	0.250	0.360	0.522	0.198	0.293	0.297	0.226
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	7.2	4.6	11.0	4.5	17.1	2.5	3.6	5.2	2.0	2.9	3.0	2.3

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.290	0.275	0.239	0.346	0.422	0.332	0.298	0.802	0.380	0.566	0.216	0.315
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	2.9	2.8	2.4	3.5	4.2	3.3	3.0	8.0	3.8	5.7	2.2	3.2

Licensee Comments: none

### Drill/Exercise Performance



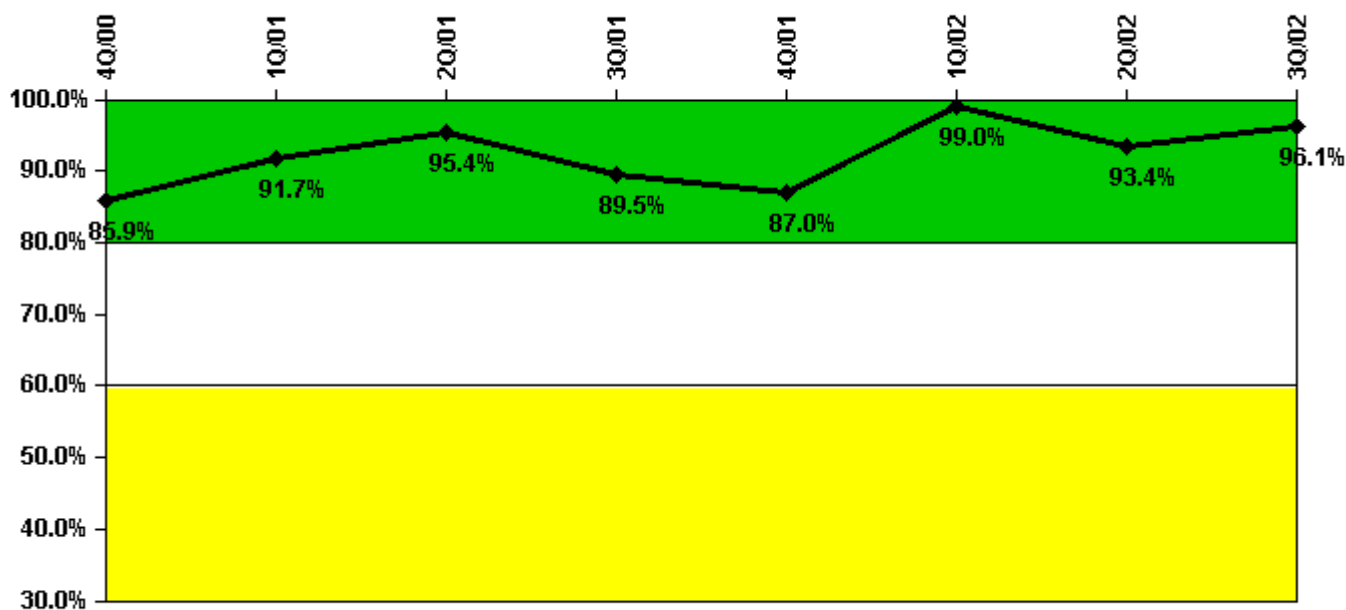
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	14.0	8.0	6.0	11.0	21.0	59.0	21.0	86.0
Total opportunities	14.0	8.0	8.0	12.0	22.0	64.0	22.0	86.0
Indicator value	93.1%	93.9%	93.8%	93.1%	93.5%	92.6%	91.6%	95.8%

Licensee Comments: none

### ERO Drill Participation



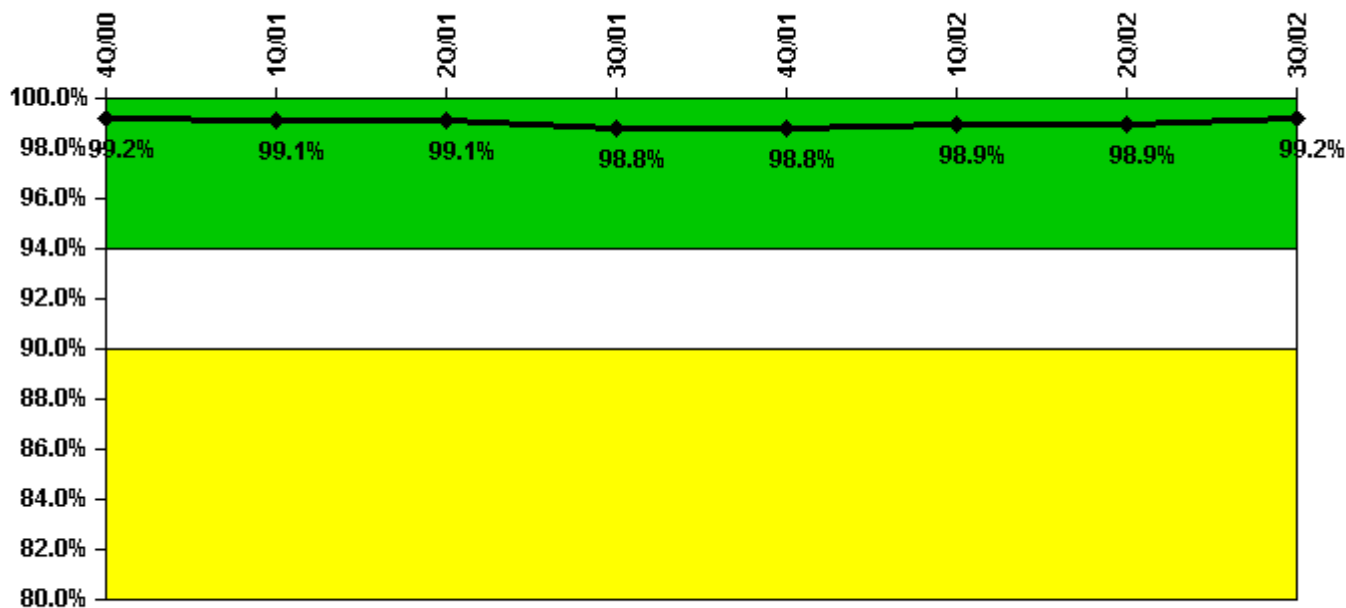
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	79.0	88.0	83.0	85.0	87.0	98.0	99.0	99.0
Total Key personnel	92.0	96.0	87.0	95.0	100.0	99.0	106.0	103.0
Indicator value	85.9%	91.7%	95.4%	89.5%	87.0%	99.0%	93.4%	96.1%

Licensee Comments: none

### Alert & Notification System



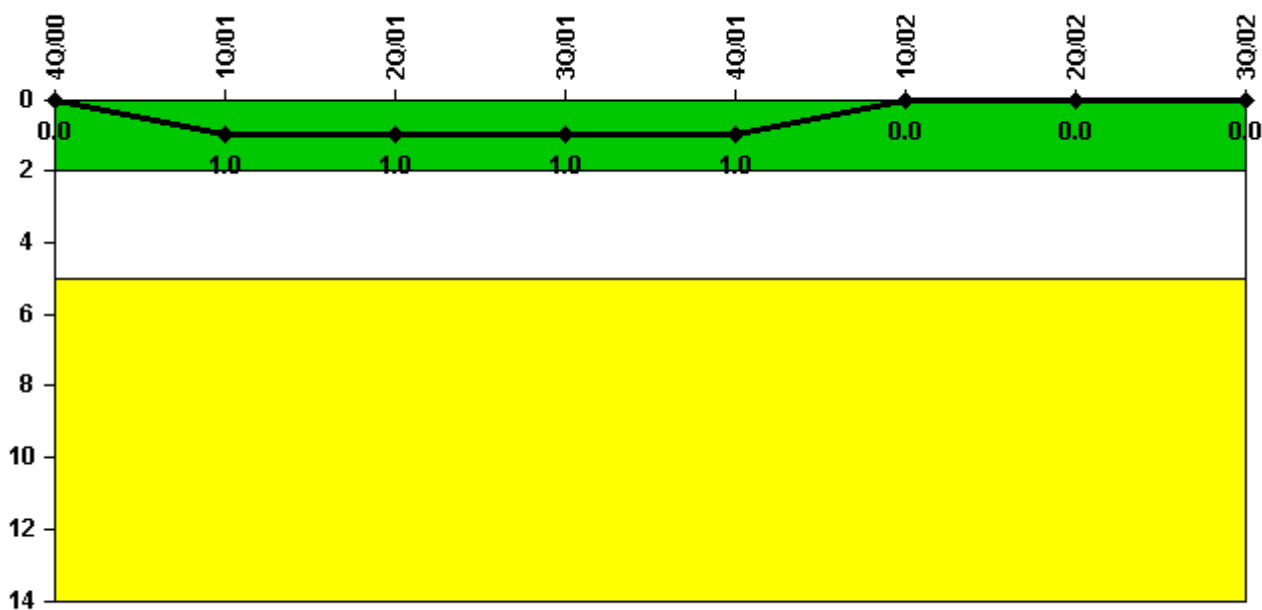
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	801	699	803	789	803	701	803	900
Total sirens-tests	808	707	808	808	808	707	808	909
Indicator value	99.2%	99.1%	99.1%	98.8%	98.8%	98.9%	98.9%	99.2%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



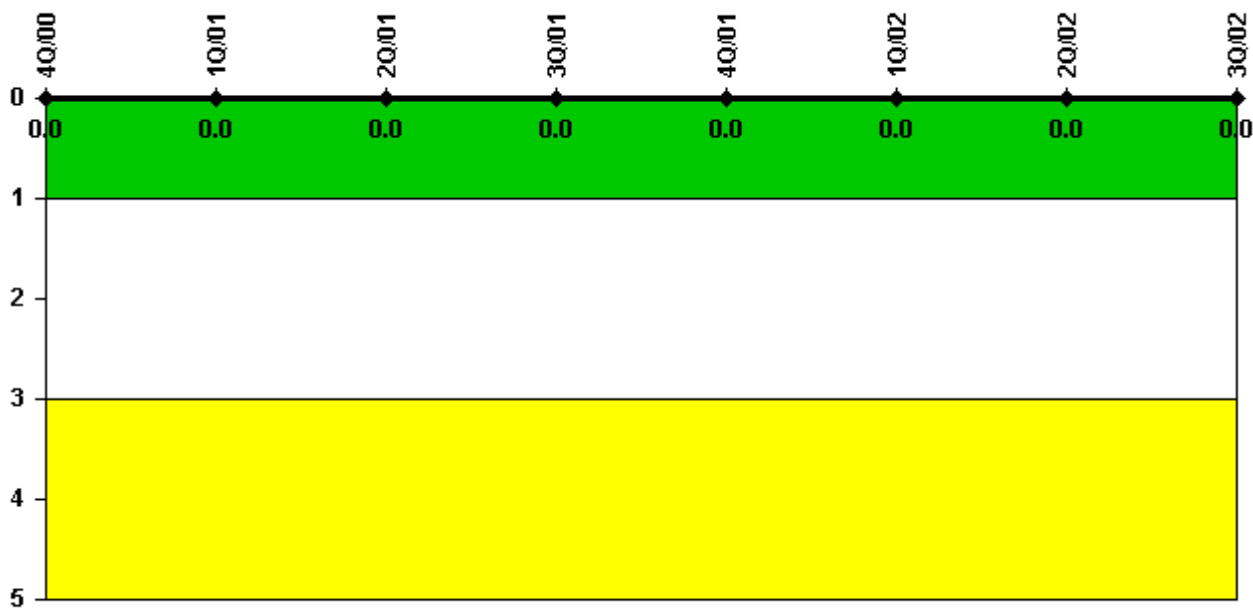
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/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	1	0	0	0	0	0	0
Indicator value	0	1	1	1	1	0	0	0

Licensee Comments: none

### RETS/ODCM Radiological Effluent



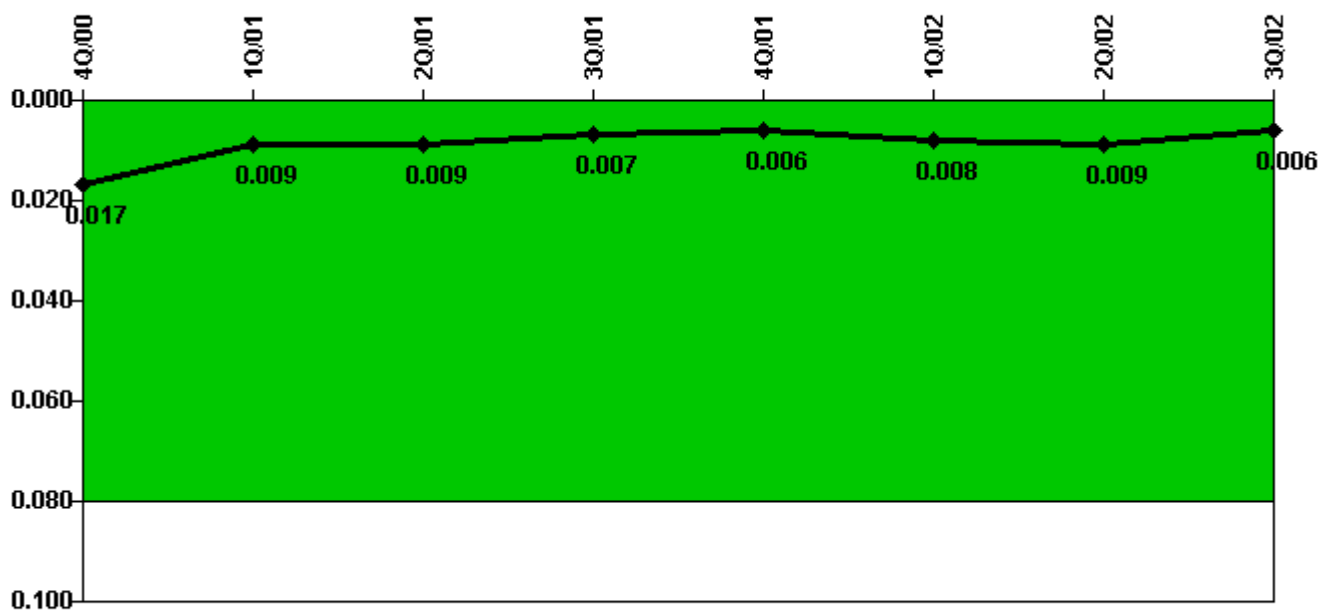
**Thresholds: White > 1.0 Yellow > 3.0**

**Notes**

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

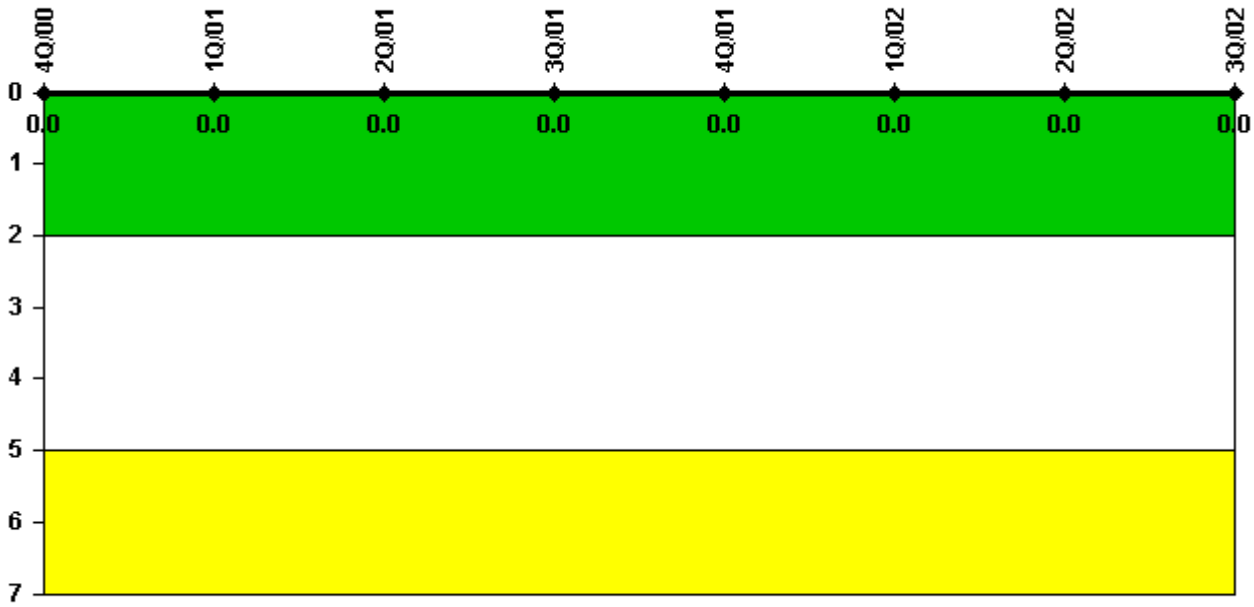
#### Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	64.30	28.10	10.30	38.20	32.60	80.60	44.60	3.50
CCTV compensatory hours	0	0	1.2	20.9	0	0	0	0
IDS normalization factor	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.017	0.009	0.009	0.007	0.006	0.008	0.009	0.006

Licensee Comments: none



### Personnel Screening Program



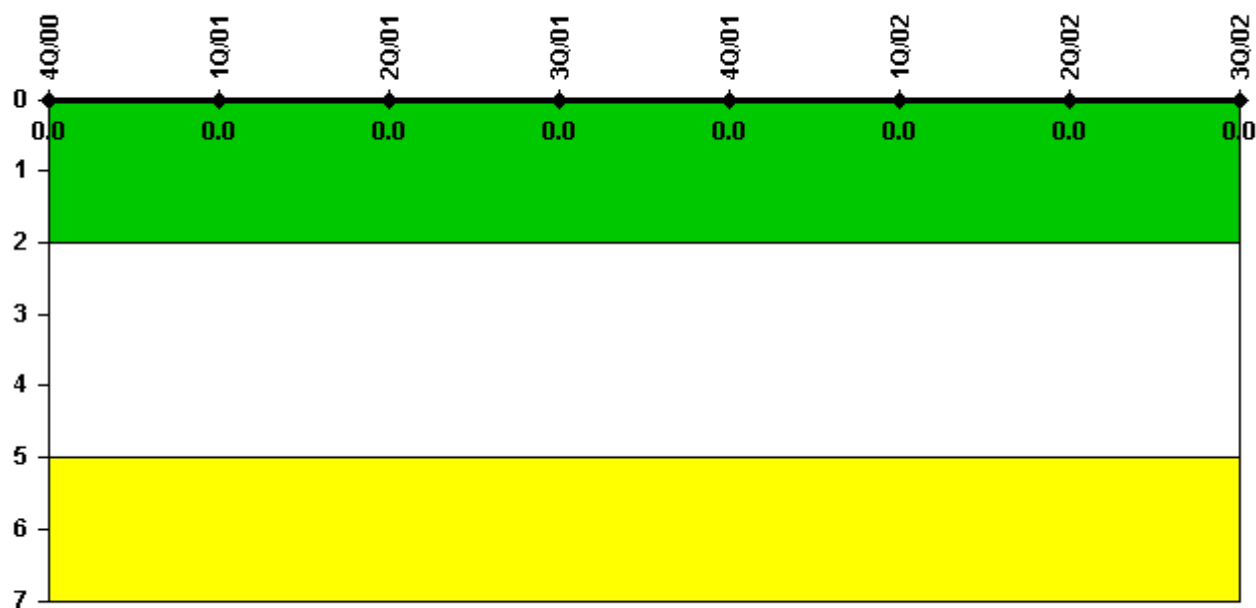
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/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	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/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: October 22, 2002