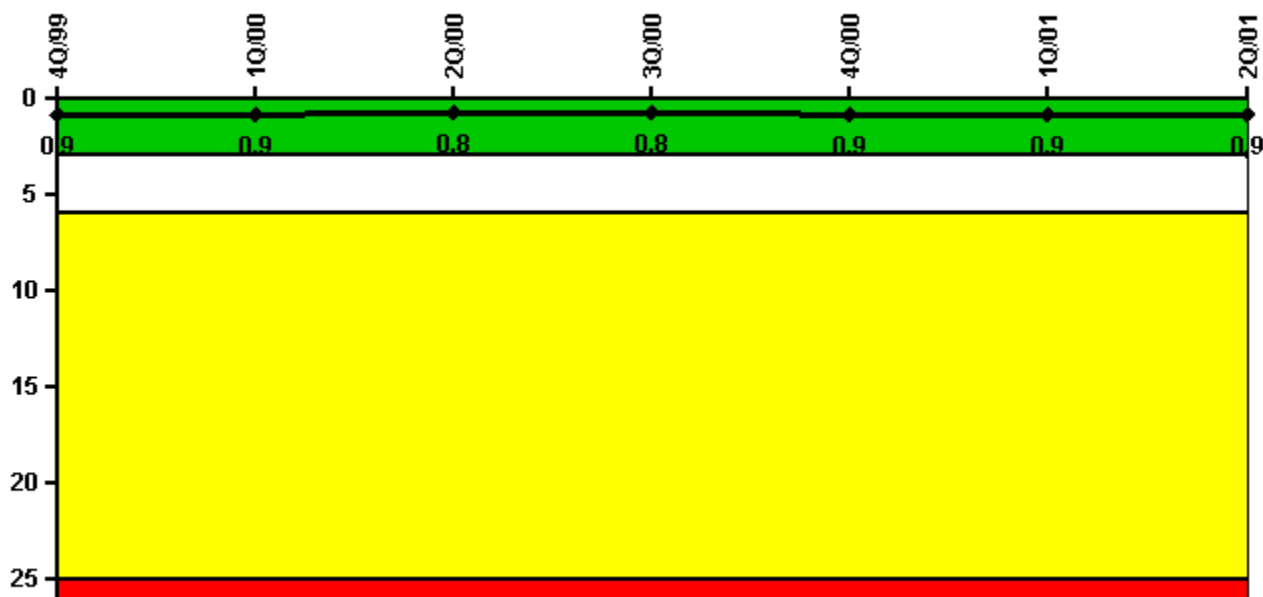


### Wolf Creek 1

#### 2Q/2001 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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	0	0	1.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



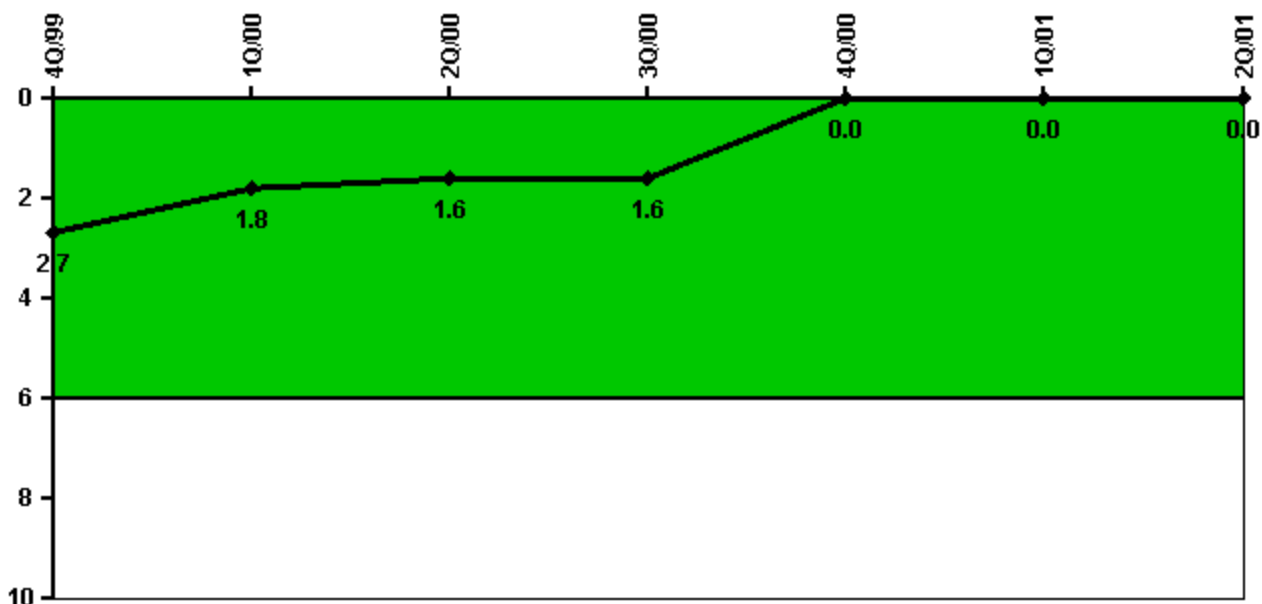
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



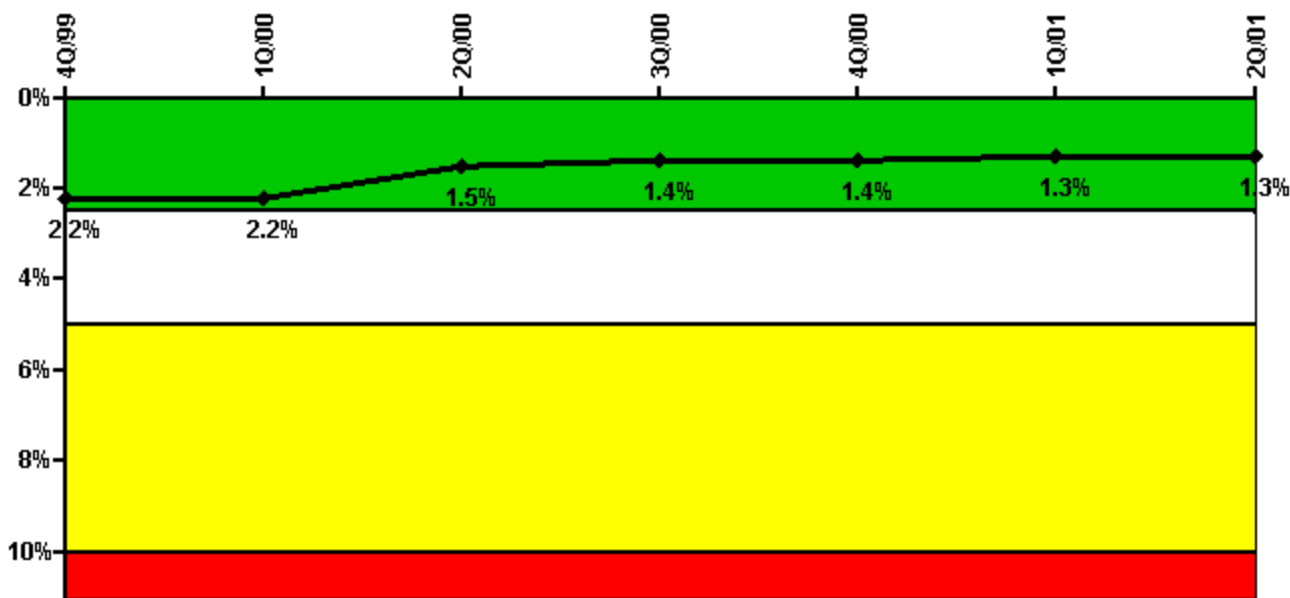
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	2.0	0	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0
Indicator value	2.7	1.8	1.6	1.6	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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	35.20	54.64	33.88	2.60	15.72	2.72	31.00
Unplanned unavailable hours	44.40	10.90	4.78	0	0	0	14.08
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	395.50	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>							
Planned unavailable hours	3.58	38.68	3.64	19.17	0.95	9.27	0.98
Unplanned unavailable hours	3.33	0	20.57	0	7.43	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>2.2%</b>	<b>2.2%</b>	<b>1.5%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.3%</b>	<b>1.3%</b>

Licensee Comments:

1Q/01: January 2001 hours of planned unavailable hours was changed from 1.47 to 1.40.

4Q/00: Change: A train EDG changed from 14.95 hours of unavailability to 15.15 hours of unavailability. 7/2001 change to October 2000 hours train required for service: added 1 hour due to daylight savings time (744 to 745).

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOG had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOG removed the hours in May 2000. In accordance with RIS 2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

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



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

Notes

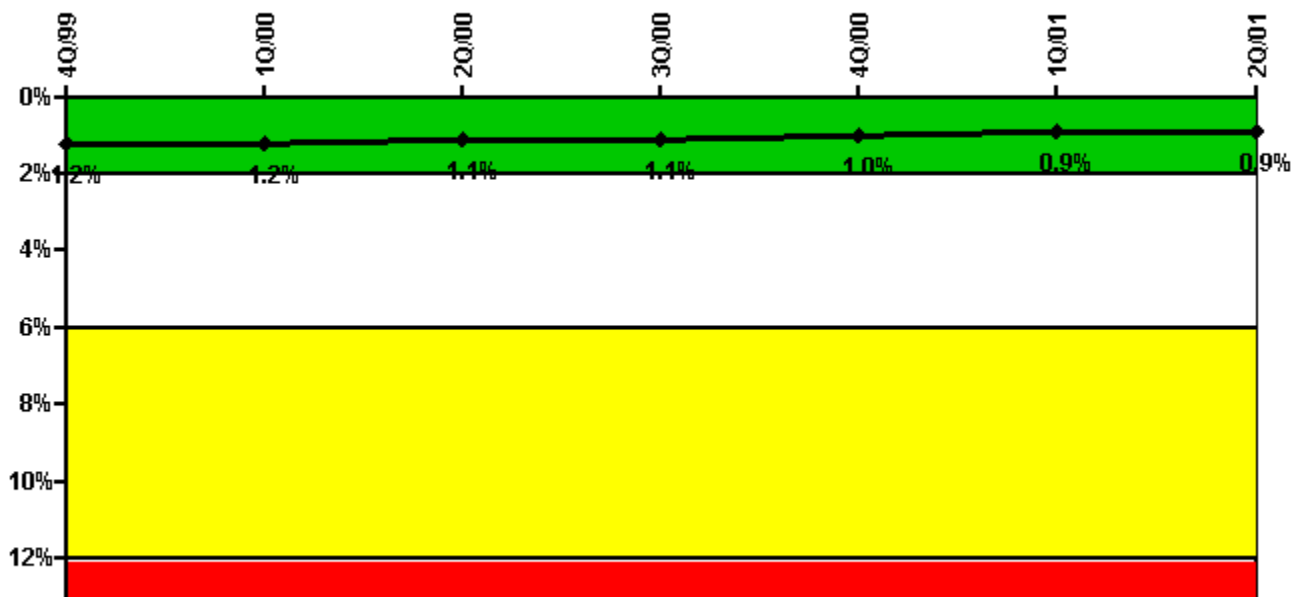
Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	36.27	50.80	33.36	8.78	8.32	8.13	6.73
Unplanned unavailable hours	44.33	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1421.00	2160.00	2183.00
<b>Train 2</b>							
Planned unavailable hours	40.98	54.10	18.04	16.23	0.74	5.59	19.73
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
<b>Train 3</b>							
Planned unavailable hours	0.38	61.59	9.34	11.63	8.30	16.45	0.16
Unplanned unavailable hours	44.33	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
<b>Train 4</b>							
Planned unavailable hours	0.15	50.49	5.90	20.86	0	13.74	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0

Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
Indicator value	0.7%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%

Licensee Comments:

1Q/01: March 2001: Engineering evaluation determined that trains 2 (15.37 hours to .17) and 4 (15.57 hours to .37) were available.

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



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

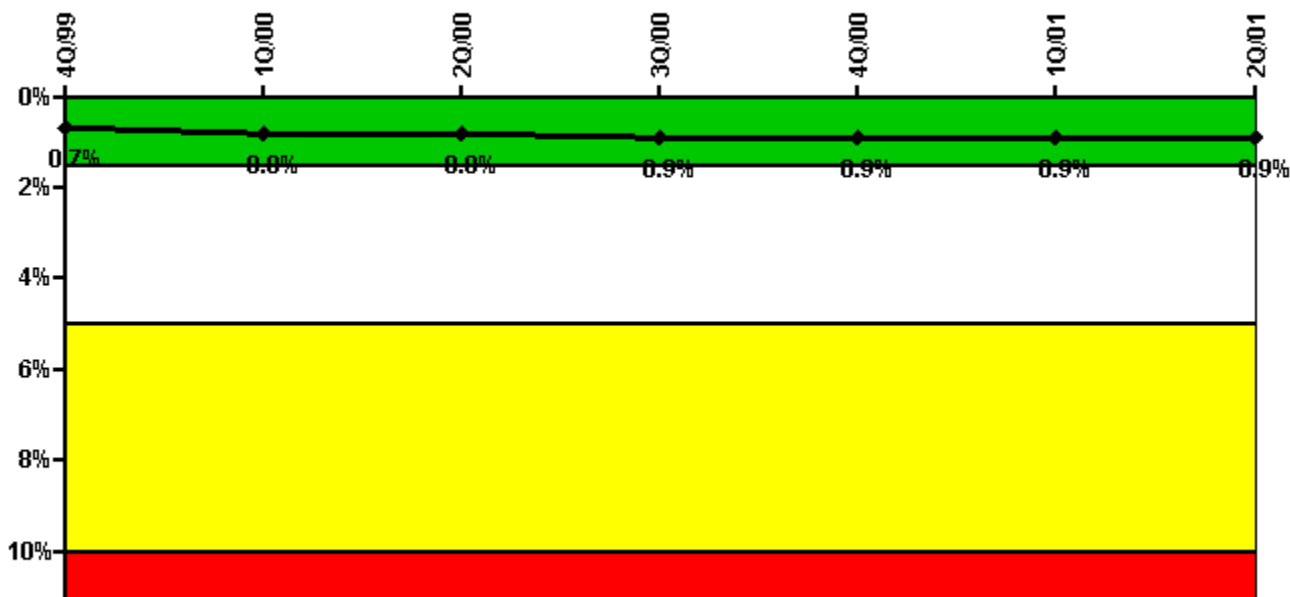
### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	22.52	67.52	3.44	15.48	9.25	5.68	0.10
Unplanned unavailable hours	44.40	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
<b>Train 2</b>							
Planned unavailable hours	16.40	45.22	1.93	18.51	1.78	17.66	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
<b>Train 3</b>							
Planned unavailable hours	3.14	14.86	2.51	17.71	2.04	9.03	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00
Indicator value	1.2%	1.2%	1.1%	1.1%	1.0%	0.9%	0.9%

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



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

### Notes

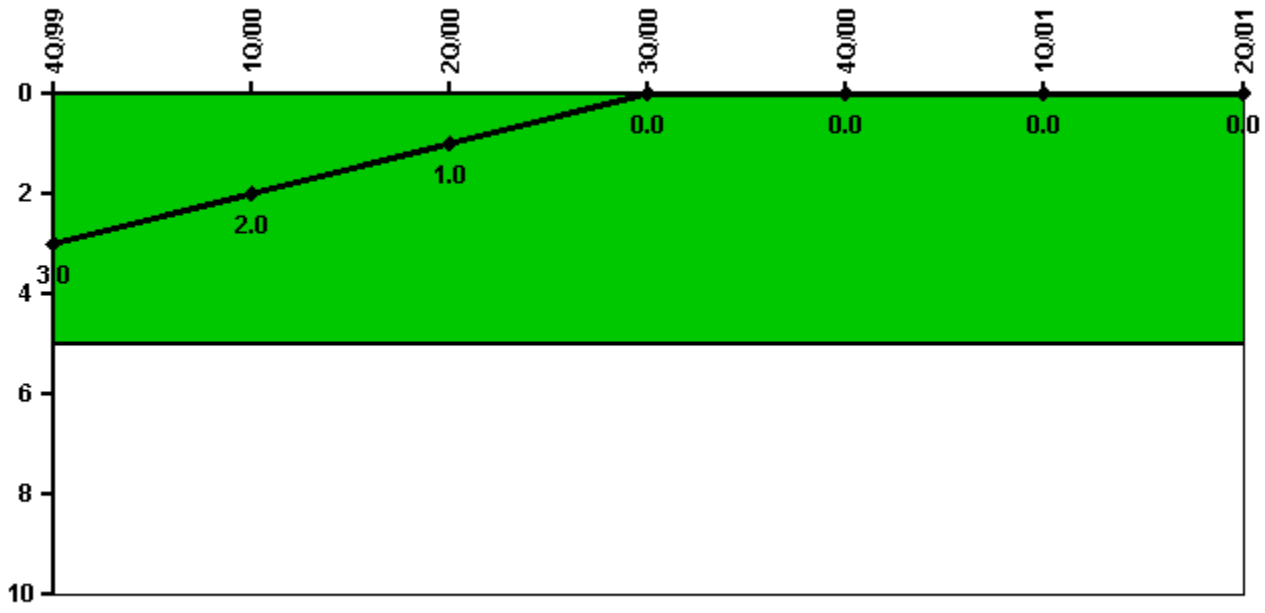
Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	21.70	51.43	26.51	11.05	7.97	7.65	10.09
Unplanned unavailable hours	44.40	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>							
Planned unavailable hours	15.93	32.33	22.23	34.88	0	6.88	10.13
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.7%	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%

Licensee Comments:

1Q/01: March 2001: Engineering evaluation determined that train 2 was available (15.33 hours to 0.13).

4Q/00: October 2000 hours train required for service changed from 744 to 745 due to daylight savings time.

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

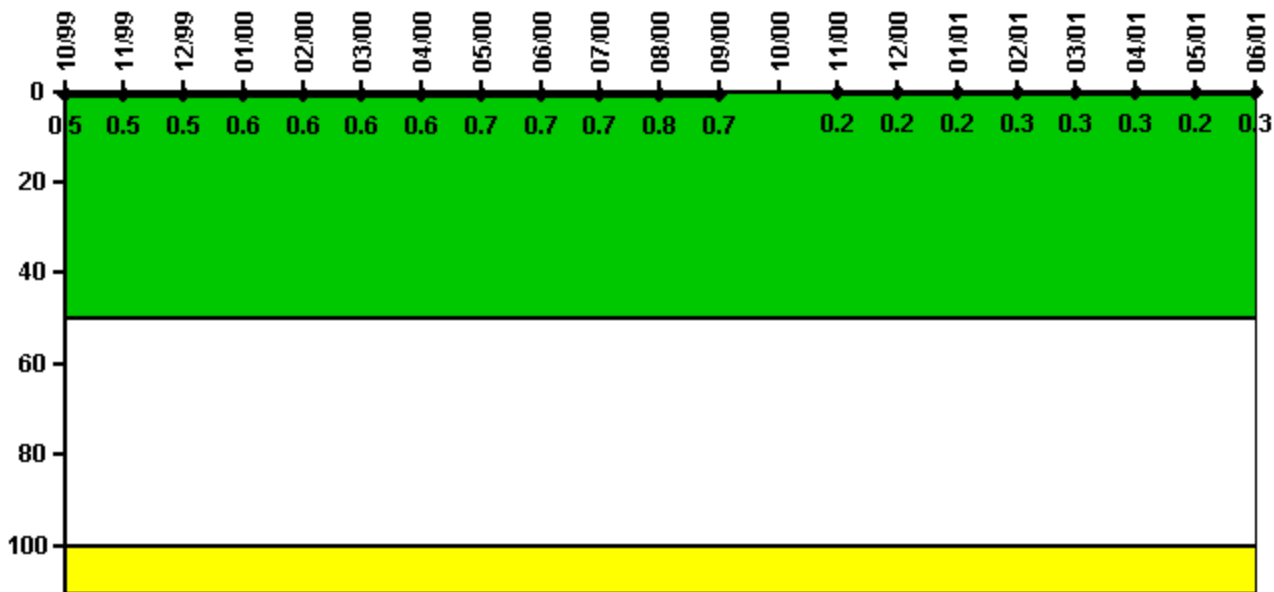
### Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Safety System Functional Failures	0	0	0	0	0	0	0
Indicator value	3	2	1	0	0	0	0

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

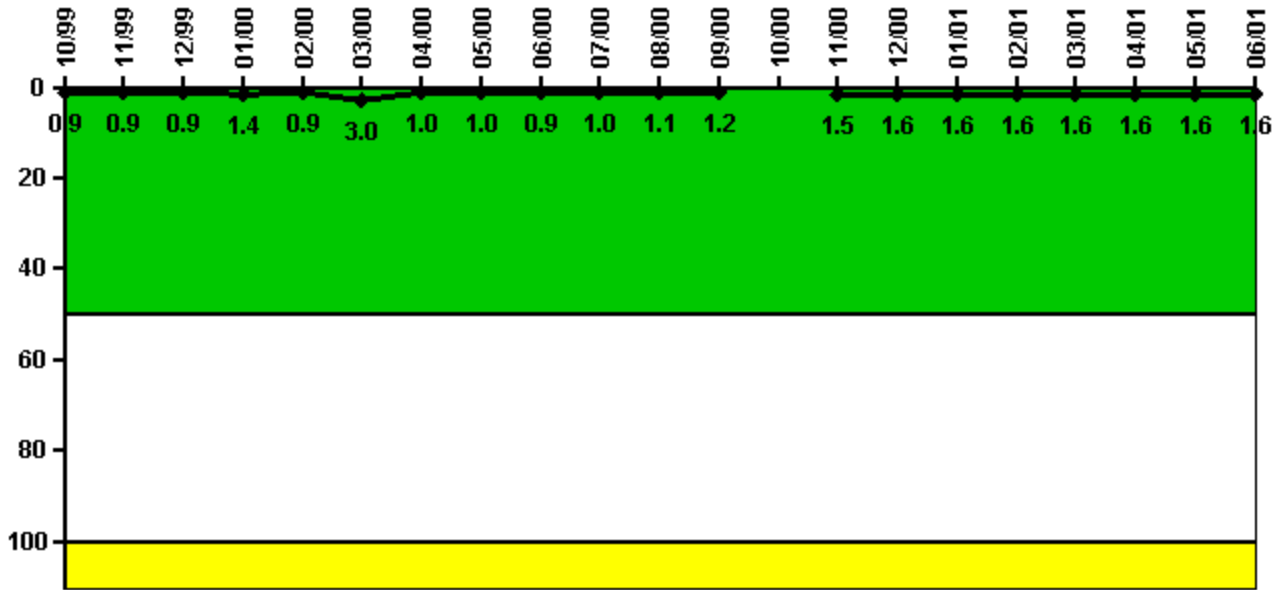
**Notes**

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.004600	0.005100	0.005100	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000
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	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.7

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	N/A	0.001530	0.001930	0.002240	0.003000	0.003000	0.003000	0.002000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	N/A	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

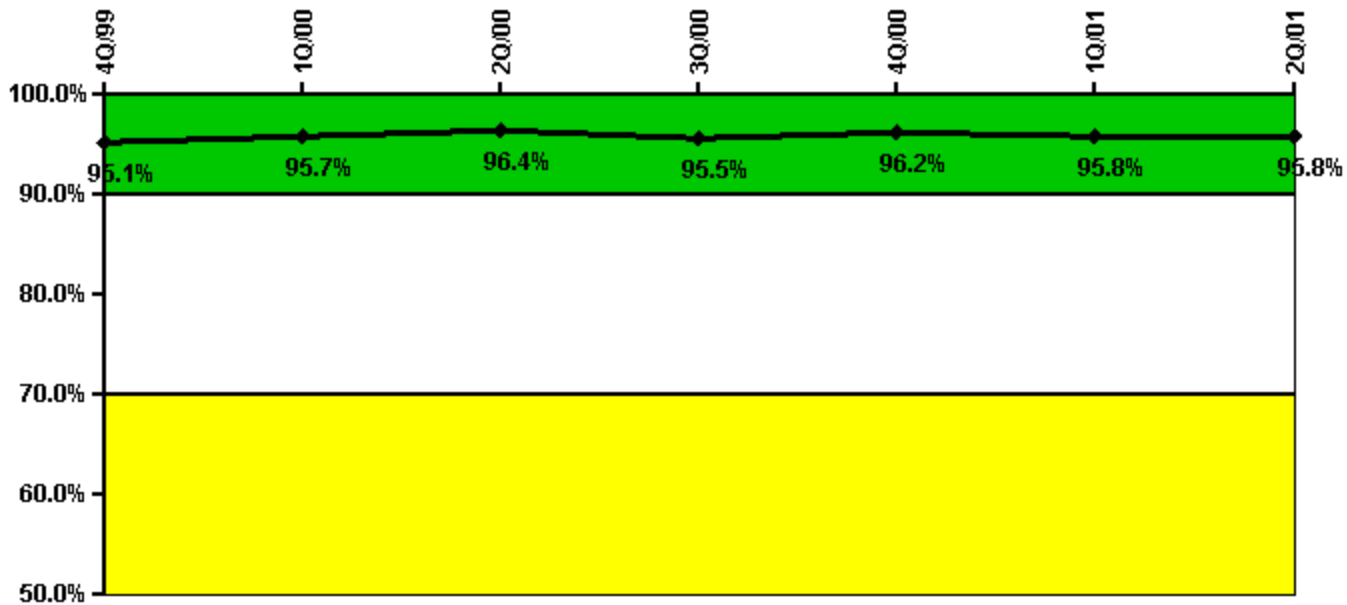
#### Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.094	0.090	0.086	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124
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	0.9	0.9	0.9	1.4	0.9	3.0	1.0	1.0	0.9	1.0	1.1	1.2

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	N/A	0.155	0.161	0.162	0.162	0.162	0.163	0.160	0.161
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	N/A	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

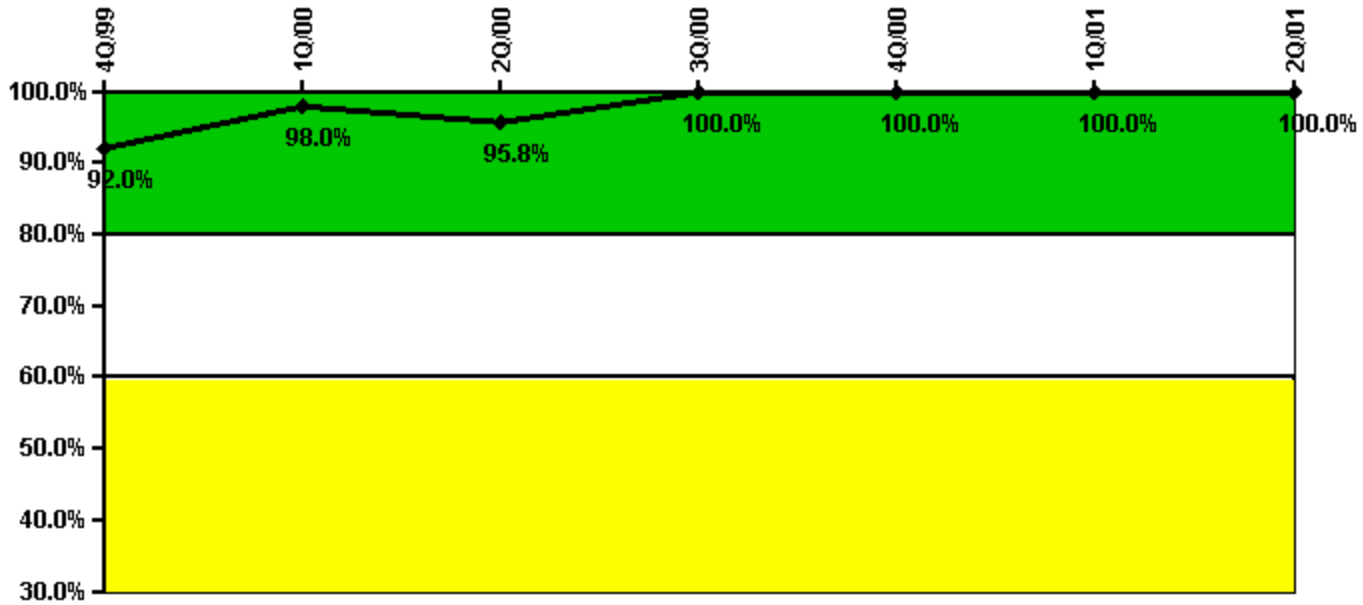
#### Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	57.0	56.0	39.0	64.0	25.0	56.0	29.0
Total opportunities	60.0	57.0	40.0	71.0	25.0	59.0	30.0
Indicator value	95.1%	95.7%	96.4%	95.5%	96.2%	95.8%	95.8%

Licensee Comments:

2Q/01: June 2001: Data was revised to add LO Requal opportunities. Actual event opportunities performed timely and accurately was revised from 13 to 17 and actual event opportunities was revised from 14 to 18.

### ERO Drill Participation



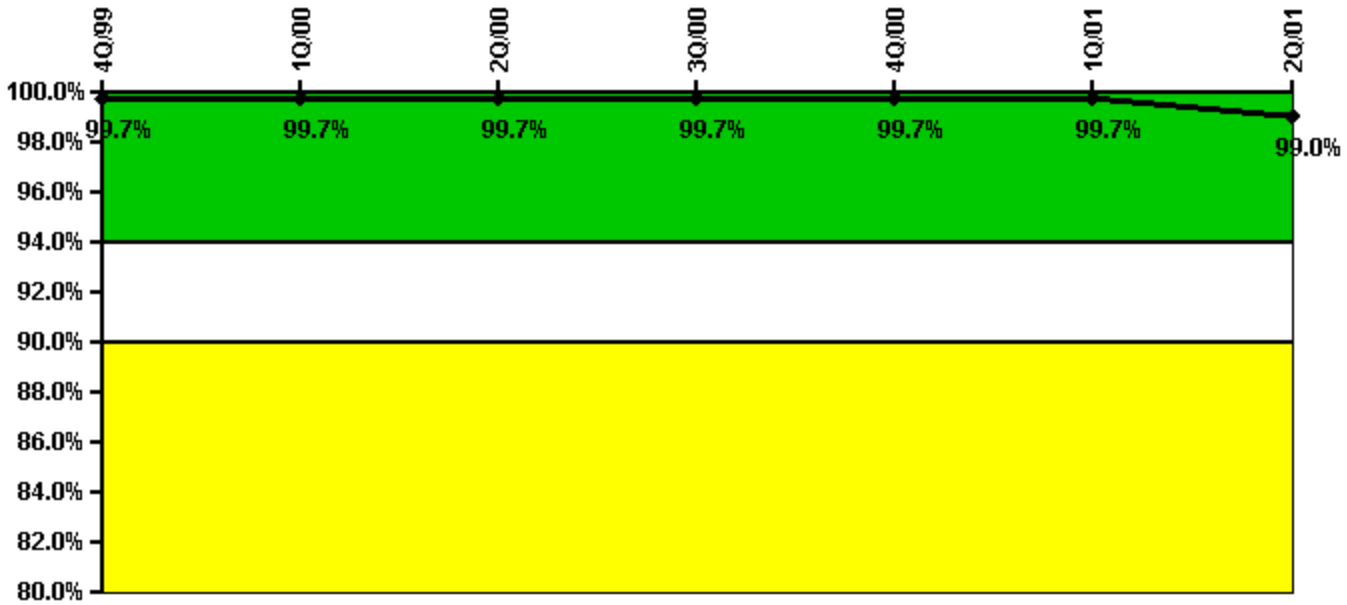
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	46.0	48.0	46.0	46.0	46.0	46.0	44.0
Total Key personnel	50.0	49.0	48.0	46.0	46.0	46.0	44.0
Indicator value	92.0%	98.0%	95.8%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



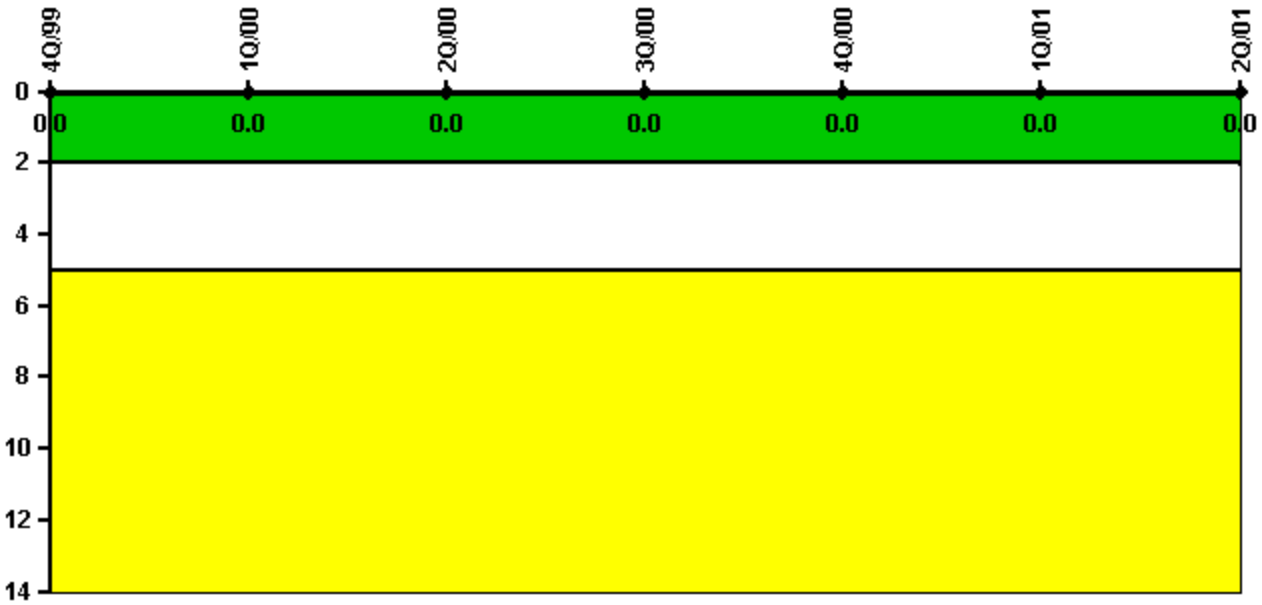
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	78	77	76	66	77	66	74
Total sirens-tests	78	77	77	66	77	66	77
Indicator value	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.0%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



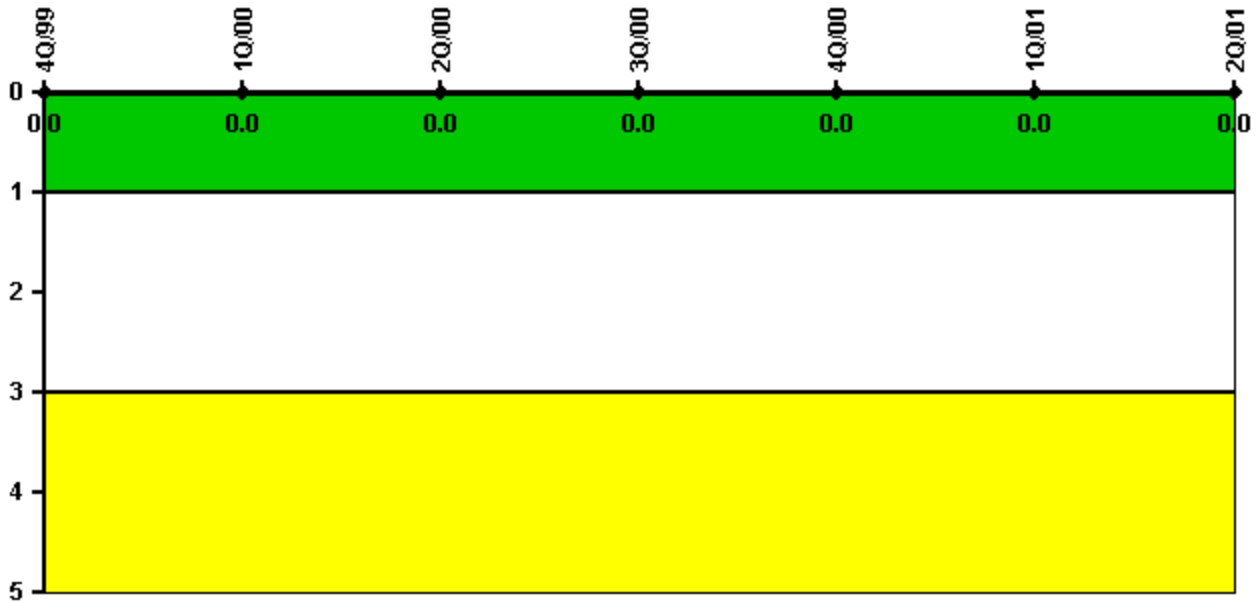
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
High radiation area occurrences	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



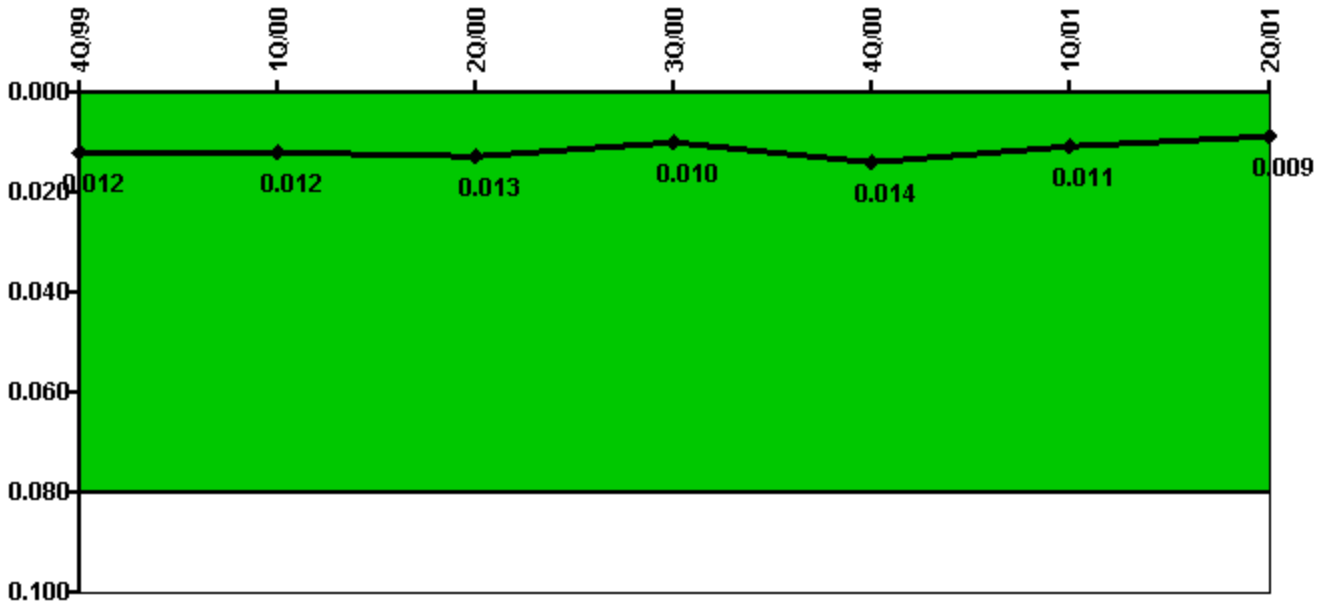
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0
Indicator value	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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	0.60	98.10	28.40	25.50	106.30	14.80	28.10
CCTV compensatory hours	17.9	3.4	35.8	36.0	26.7	2.6	1.1
IDS normalization factor	1.50	1.50	1.50	1.50	1.50	1.50	1.55
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3	1.4	1.4
<b>Index Value</b>	<b>0.012</b>	<b>0.012</b>	<b>0.013</b>	<b>0.010</b>	<b>0.014</b>	<b>0.011</b>	<b>0.009</b>

#### Licensee Comments:

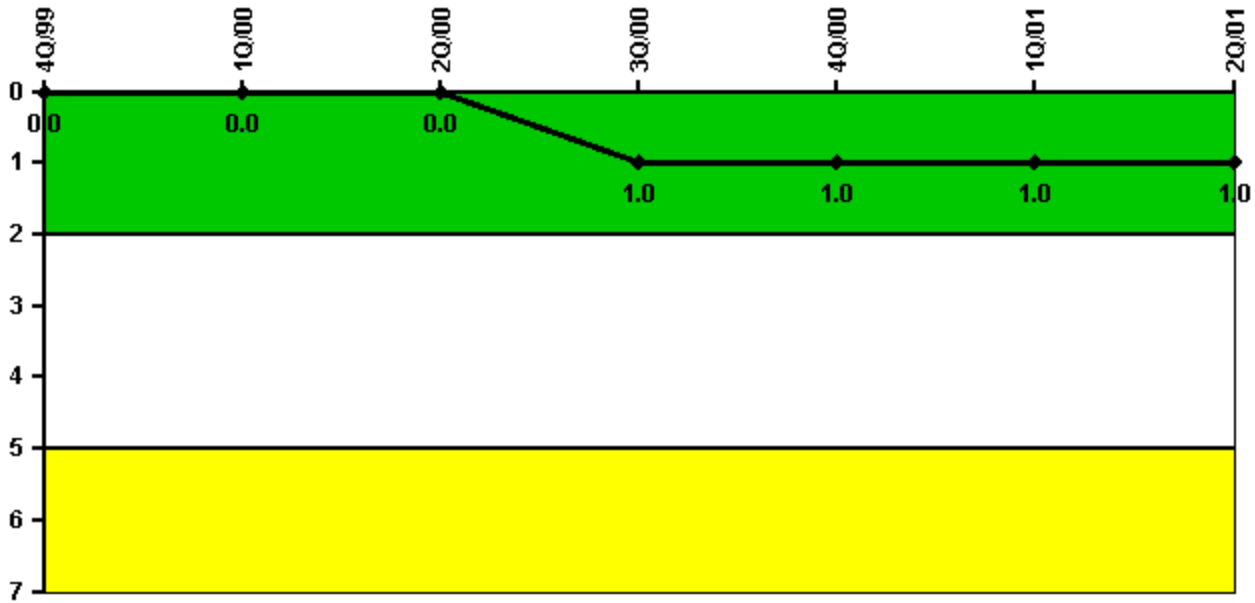
1Q/01: March 2001: 0.2 hours added to CCTV (0 to 0.2)

4Q/00: Review of security activity identified 1.3 hours over reported for December 2000 IDS Compensatory hours. (105.5 to 104.2)

3Q/00: Review of security activity identified 2.3 hours to be added to September 2000 CCTV (18.6 to 20.9).



### Personnel Screening Program



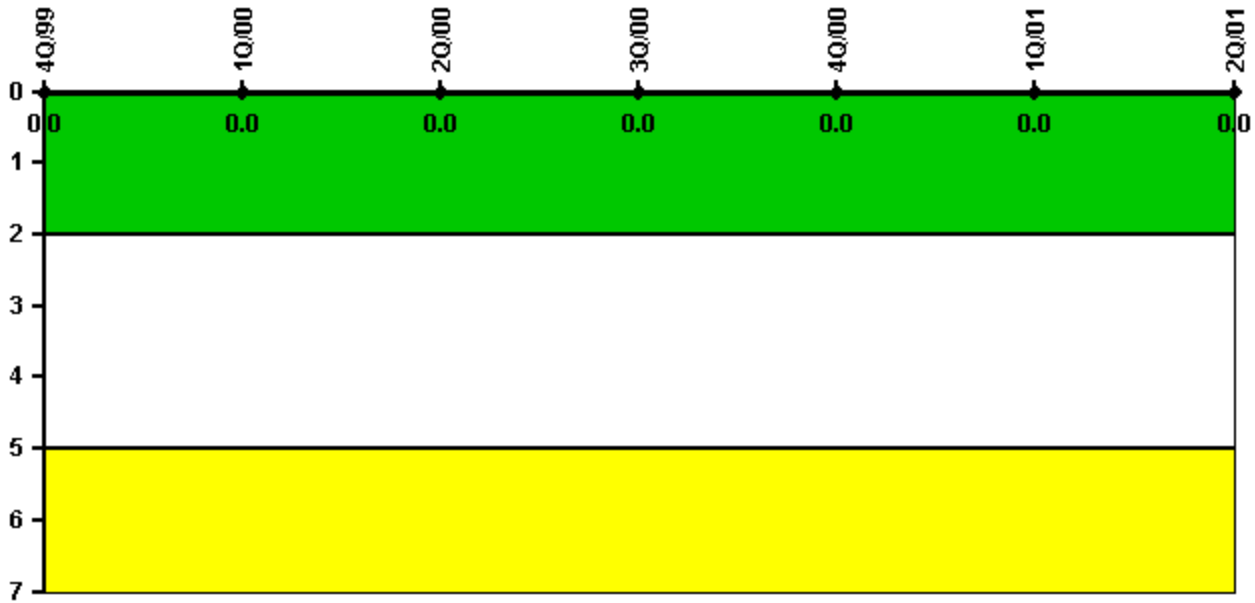
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program failures	0	0	0	1	0	0	0
Indicator value	0	0	0	1	1	1	1

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program Failures	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

▲ [PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 27, 2002