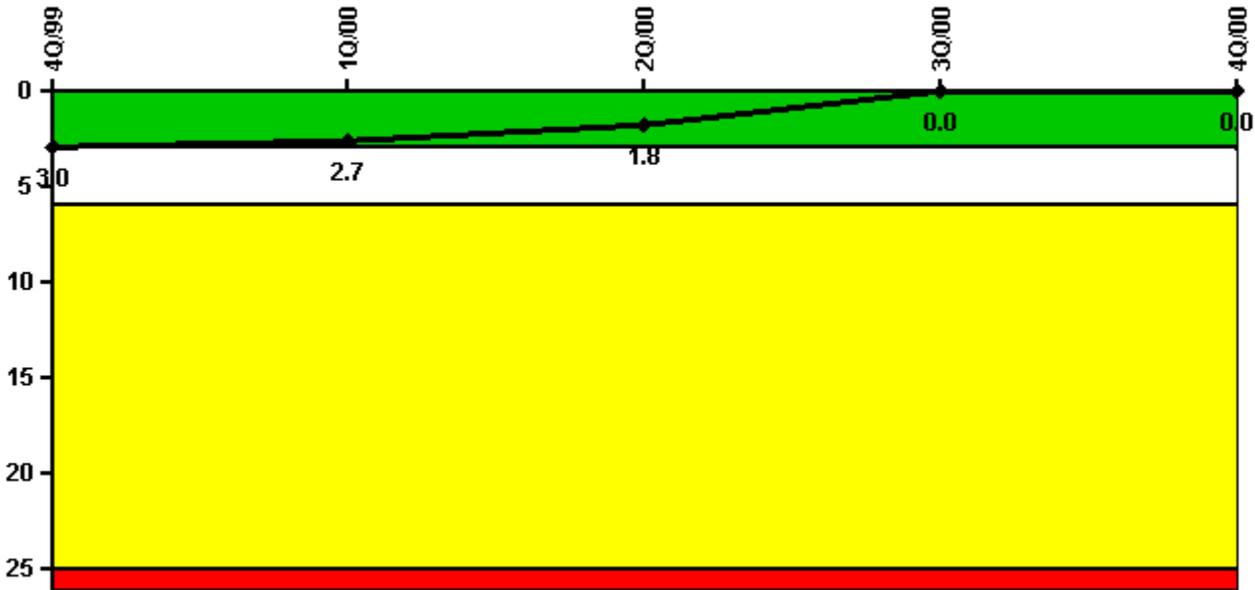


### Waterford 3

#### 4Q/2000 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



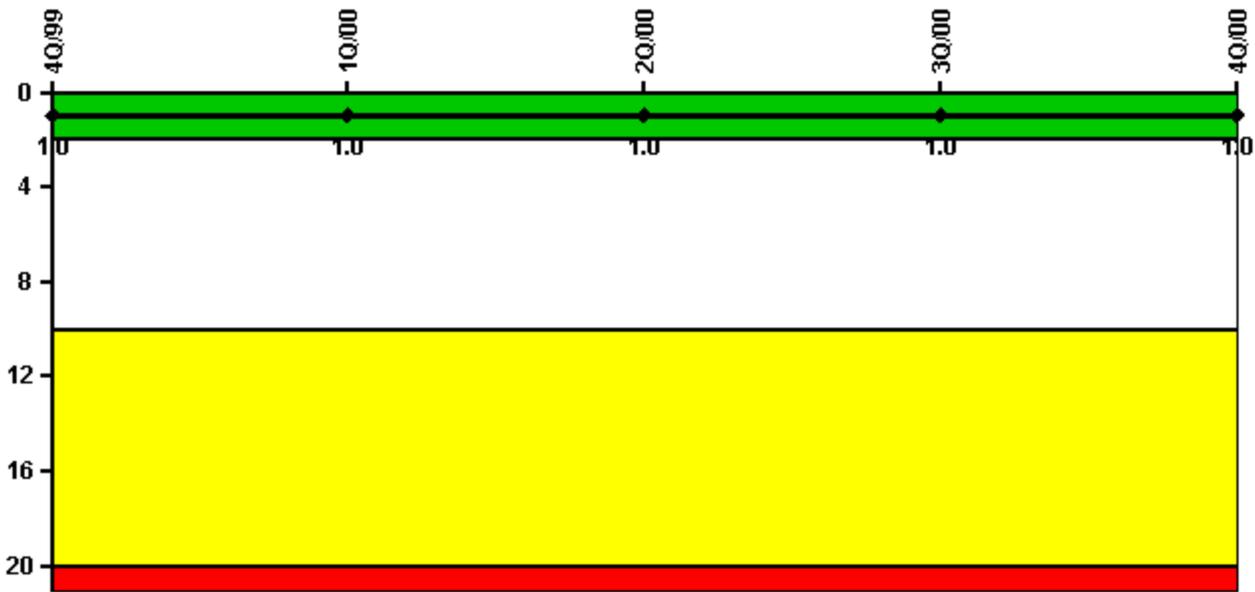
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2080.9	2149.4	2029.6	2208.0	1410.7
<b>Indicator value</b>	<b>3.0</b>	<b>2.7</b>	<b>1.8</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



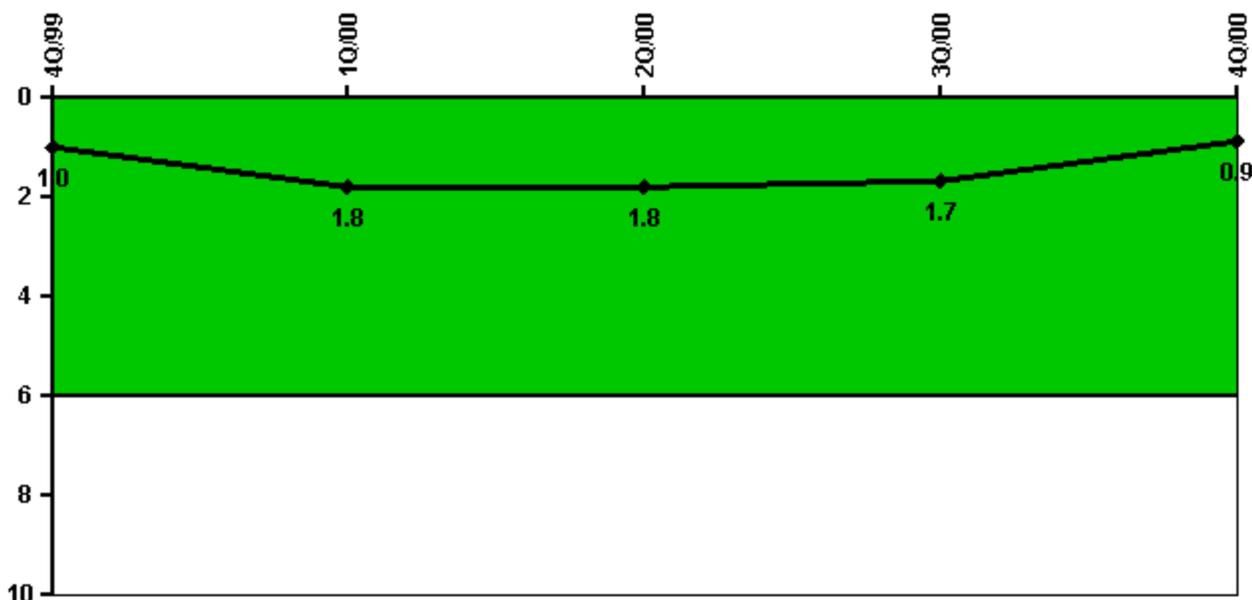
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Scrams	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



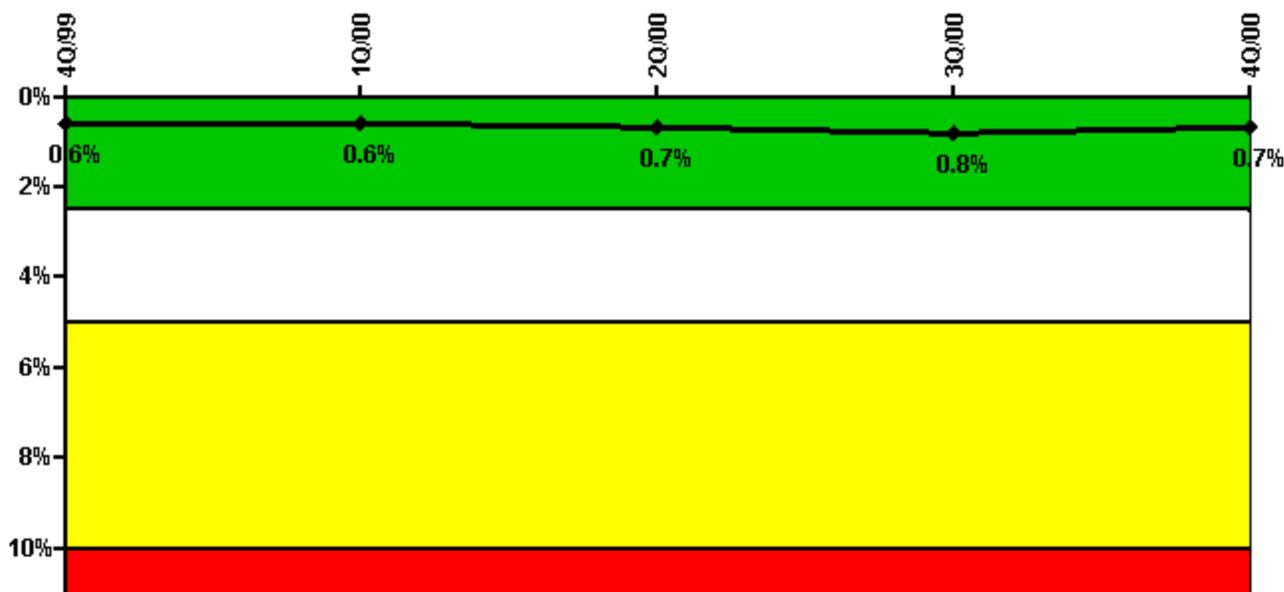
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	1.0	1.0	0	0	0
Critical hours	2080.9	2149.4	2029.6	2208.0	1410.7
<b>Indicator value</b>	<b>1.0</b>	<b>1.8</b>	<b>1.8</b>	<b>1.7</b>	<b>0.9</b>

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
<b>Train 1</b>					
Planned unavailable hours	18.92	16.30	13.45	3.88	0
Unplanned unavailable hours	0	59.64	0.63	21.55	3.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 2</b>					
Planned unavailable hours	37.12	19.42	4.11	2.52	3.98
Unplanned unavailable hours	7.65	0	4.52	9.22	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.7%</b>

#### Licensee Comments:

4Q/00: Note that changes were made in the hours reported for the 1st and 2nd quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

2Q/00: In the 4th quarter 2000 submittal, changes were made in the hours reported for the 2nd quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

1Q/00: The Majority of unavailability reported in the 1st Quarter 2000 was due to the cascading of support sytem unavailability. In the 4th quarter 2000 submittal, changes were made in the hours reported for the 1st quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

### 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
<b>Train 1</b>					
Planned unavailable hours	81.92	21.42	13.45	18.43	1.65
Unplanned unavailable hours	0	59.64	0.63	21.55	3.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2149.40	2029.60	2208.00	1410.60
<b>Train 2</b>					
Planned unavailable hours	46.38	19.69	48.63	2.33	3.98
Unplanned unavailable hours	7.65	0	0	9.22	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2149.40	2029.60	2208.00	1410.60
<b>Indicator value</b>	<b>0.7%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>1.0%</b>	<b>1.0%</b>

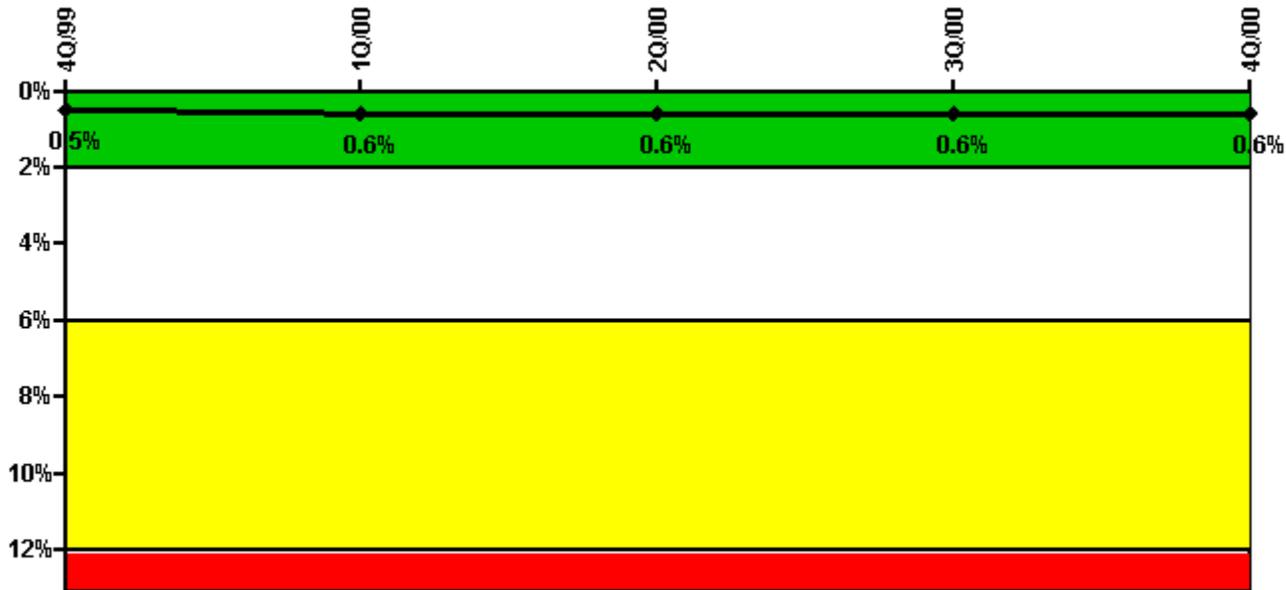
#### Licensee Comments:

4Q/00: Note that changes were made in the hours reported for the 1st and 2nd quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

2Q/00: In the 4th quarter 2000 submittal, changes were made in the hours reported for the 2nd quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

1Q/00: The majority of unavailability reported in the 1st Quarter 2000 was due to the cascading of support sytem unavailability. In the 4th quarter 2000 submittal, changes were made in the hours reported for the 1st quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

### 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
<b>Train 1</b>					
Planned unavailable hours	18.92	36.00	13.45	3.88	0
Unplanned unavailable hours	0	59.64	0.63	21.55	3.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2166.30	2053.80	2208.00	1457.60
<b>Train 2</b>					
Planned unavailable hours	28.90	19.42	12.58	0	3.98
Unplanned unavailable hours	7.65	0	0	9.22	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2166.30	2053.80	2208.00	1457.60
<b>Train 3</b>					
Planned unavailable hours	0	0	0	0.22	0
Unplanned unavailable hours	6.15	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2166.30	2053.80	2208.00	1457.60
<b>Indicator value</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

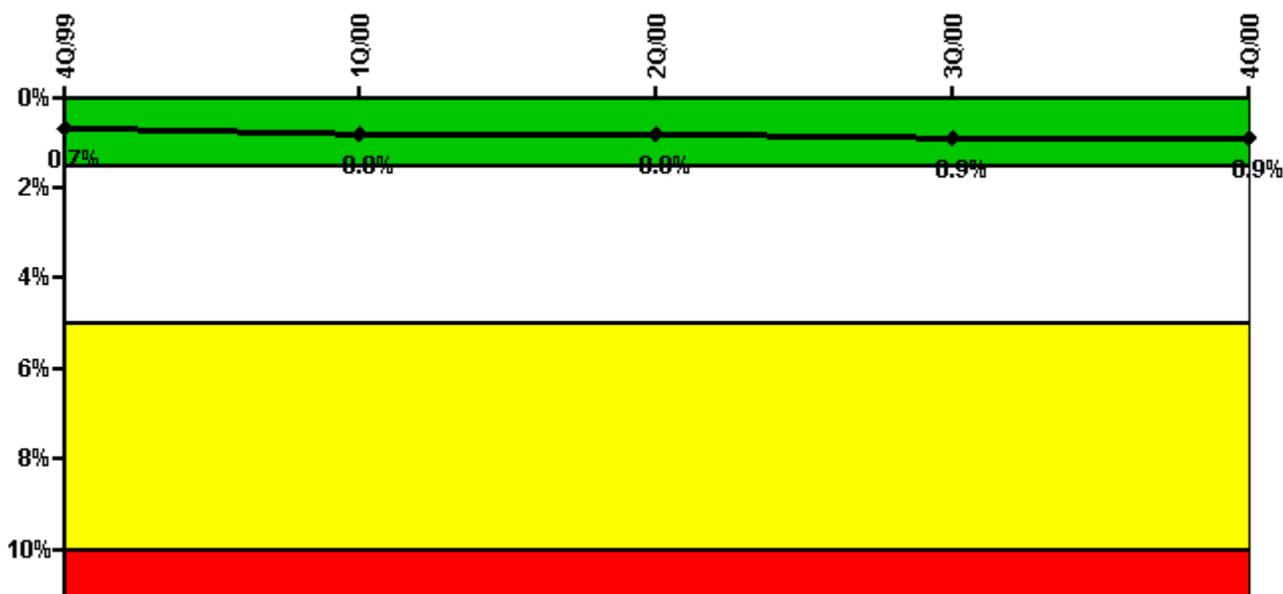
Licensee Comments:

4Q/00: Note that changes were made in the hours reported for the 1st and 2nd quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

2Q/00: In the 4th quarter 2000 submittal, changes were made in the hours reported for the 2nd quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

1Q/00: The majority of unavailability reported in the 1st Quarter 2000 was due to the cascading of support sytem unavailability. In the 4th quarter 2000 submittal, changes were made in the hours reported for the 1st quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

### 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
<b>Train 1</b>					
Planned unavailable hours	54.82	16.30	14.68	18.91	2.45
Unplanned unavailable hours	0	59.64	0.63	21.85	3.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2053.80	2208.00	1457.60
<b>Train 2</b>					
Planned unavailable hours	43.15	33.98	5.18	0.92	5.03
Unplanned unavailable hours	7.65	0	0	9.22	0
Fault exposure hours	9.25	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2053.80	2208.00	1457.60
<b>Train 3</b>					
Planned unavailable hours	54.82	16.30	0	0	0

Unplanned unavailable hours	0	59.64	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	129.20	0	549.20
<b>Train 4</b>					
Planned unavailable hours	43.15	33.98	0	0	0
Unplanned unavailable hours	7.65	0	0	0	0
Fault exposure hours	9.25	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	129.20	0	549.20
<b>Indicator value</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.9%</b>

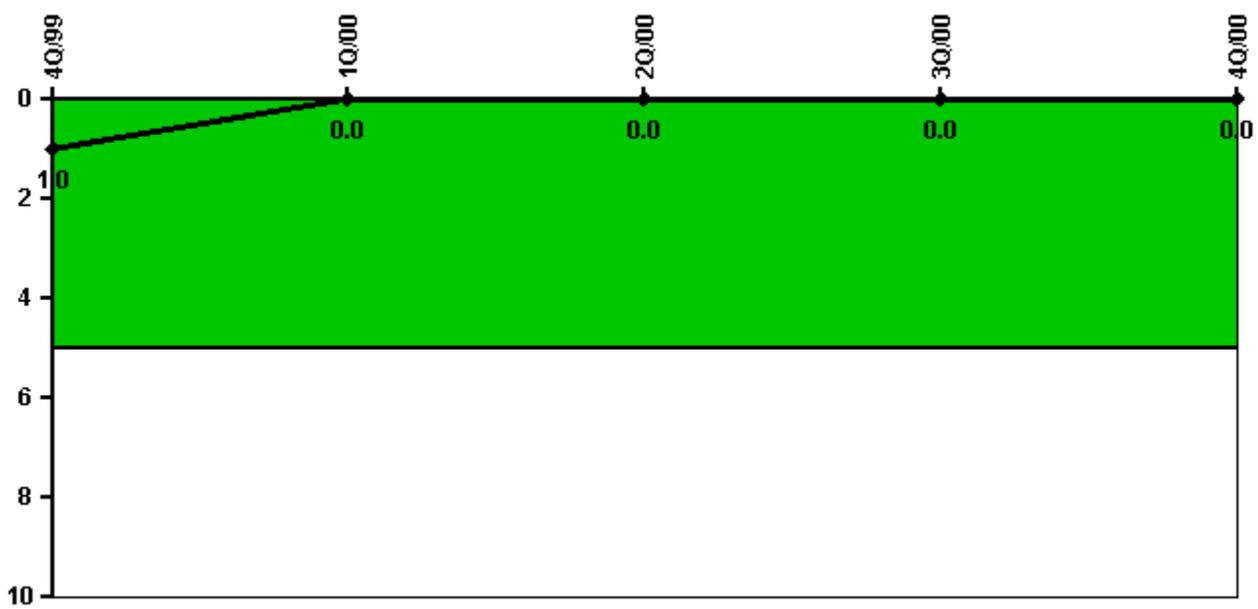
Licensee Comments:

4Q/00: Note that changes were made in the hours reported for the 1st and 2nd quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

2Q/00: Per FAQ 172, Waterford 3 has revised the number of RHR trains being reported from 2 trains to 4 trains. A change report has been submitted that maintains train 1 and 2 historical data as is and repeated train 1 and 2 data in trains 3 and 4. Data for the 2nd quarter of 2000 was calculated for each of the four trains. Note also that unavailability hours in the 4th quarter 1999 were reduced because a re-examination of the data determined that unavailable hours had been erroneously counted when the Shutdown Cooling function was not required in Modes 1-3. This did not result in a color change. In the 4th quarter 2000 submittal, changes were made in the hours reported for the 2nd quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

1Q/00: The majority of unavailability reported in the 1st Quarter 2000 was due to the cascading of support sytem unavailability. In the 4th quarter 2000 submittal, changes were made in the hours reported for the 1st quarter 2000 due to data generation errors discovered during an internal assessment. The revised data does not change the PI color.

### Safety System Functional Failures (PWR)



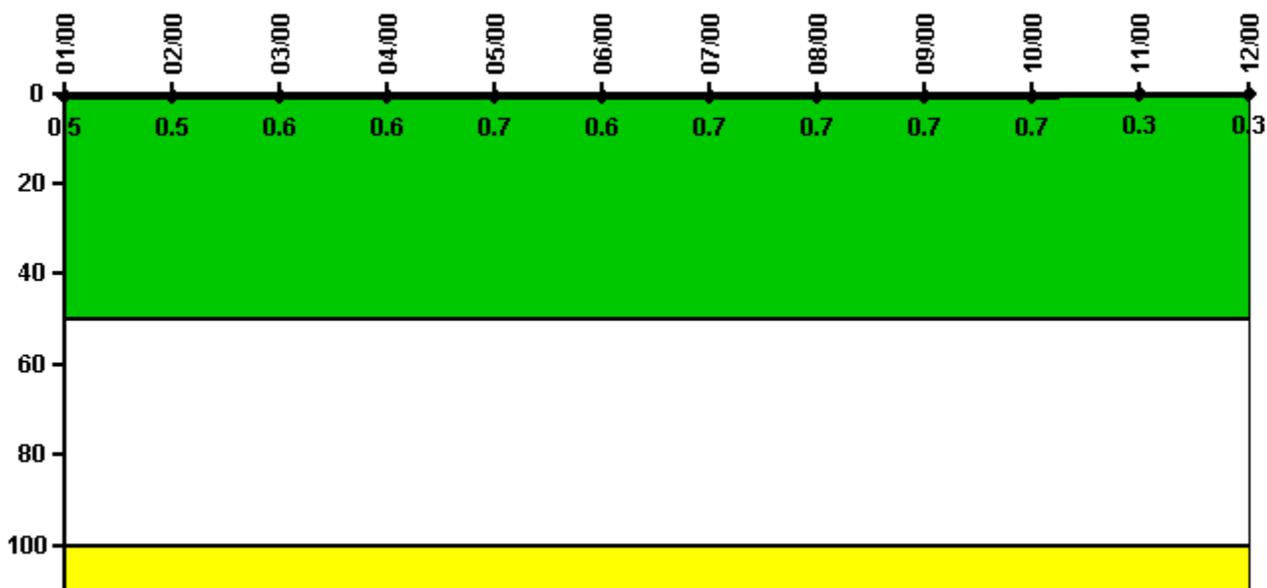
Thresholds: White > 5.0

**Notes**

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

Licensee Comments: none

**Reactor Coolant System Activity**



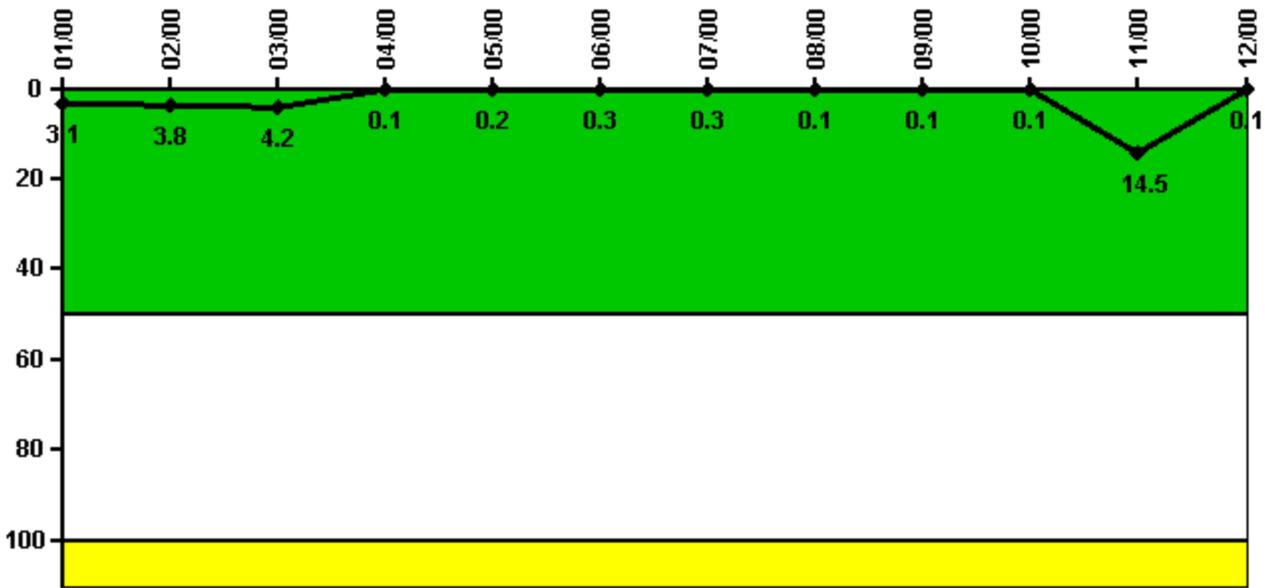
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.005010	0.005360	0.005890	0.005910	0.007120	0.006470	0.007090	0.006960	0.006990	0.007100	0.002710	0.003120
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
<b>Indicator value</b>	<b>0.5</b>	<b>0.5</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>	<b>0.6</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>0.3</b>	<b>0.3</b>

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

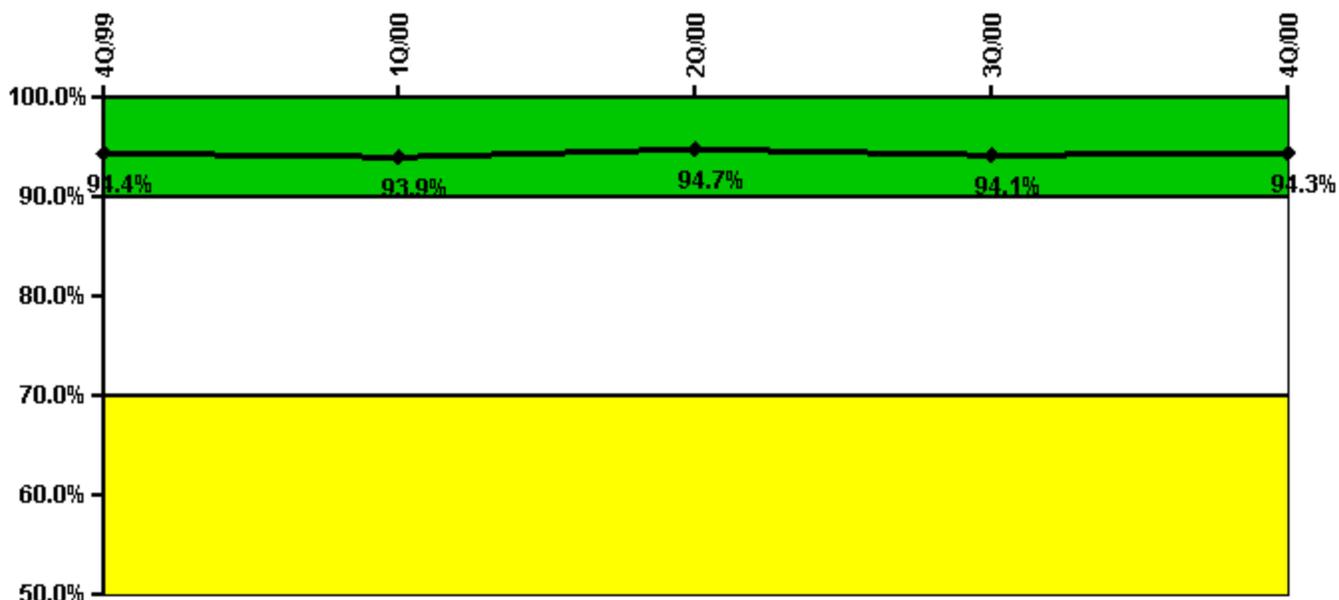
#### Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.308	0.381	0.420	0.014	0.020	0.028	0.027	0.014	0.014	0.014	1.452	0.014
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	3.1	3.8	4.2	0.1	0.2	0.3	0.3	0.1	0.1	0.1	14.5	0.1

Licensee Comments:

12/00: The higher than normal leakage in November was due to data being collected during Refueling Outage 10 with the plant in mode 5, preparing for mode 4.

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

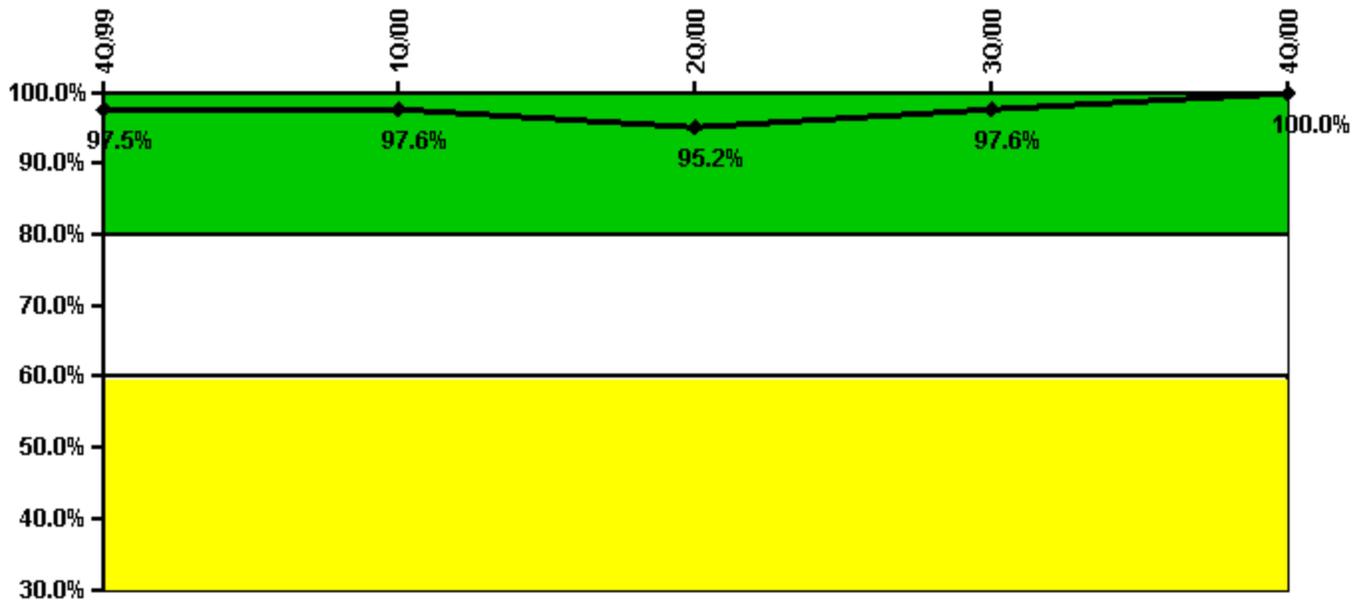
Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	43.0	51.0	62.0	46.0	10.0
Total opportunities	44.0	54.0	64.0	50.0	10.0
<b>Indicator value</b>	<b>94.4%</b>	<b>93.9%</b>	<b>94.7%</b>	<b>94.1%</b>	<b>94.3%</b>

#### Licensee Comments:

4Q/00: The data for the 2000 3rd quarter is revised in this submittal to 46 of 50 event opportunities performed timely and accurately from the 47 of 50 originally reported. This correction does not affect the PI color.

3Q/00: This quarter's data is revised to 46 of 50 event opportunities performed timely and accurately from the 47 of 50 originally reported. This adjustment is made as a result of applying current procedural guidance for determining timely and accurate performance. This adjustment does not affect PI color.

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	78.0	120.0	118.0	121.0	122.0
Total Key personnel	80.0	123.0	124.0	124.0	122.0
Indicator value	97.5%	97.6%	95.2%	97.6%	100.0%

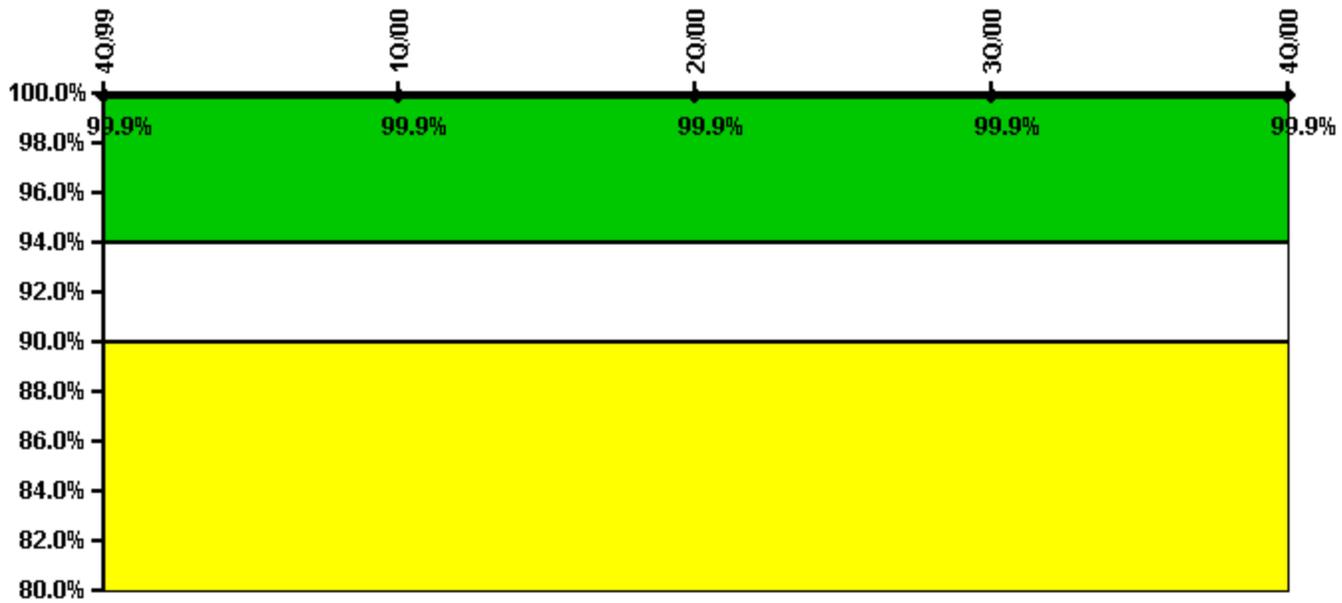
#### Licensee Comments:

4Q/00: The data for 2nd quarter 2000 is revised for this submittal to 118 of 124 key ERO members that have participated in a qualifying activity from the 120 of 124 originally reported. Likewise, the data for 3rd quarter 2000 is revised to 121 of 124 from the 122 of 124 originally reported. These changes did not affect the PI color.

3Q/00: This quarter's data is revised to 121 of 124 key ERO members that have participated in a qualifying activity from the 122 of 124 originally reported. This adjustment is made as a result of applying revised screening criteria for determining when to give credit for drill participation. This adjustment does not affect PI color.

2Q/00: This quarter's data is revised to 118 of 124 key ERO members that have participated in a qualifying activity from the 120 of 124 originally reported. This adjustment is made as a result of applying revised screening criteria for determining when to give credit for drill participation. This adjustment does not affect PI color.

### Alert & Notification System



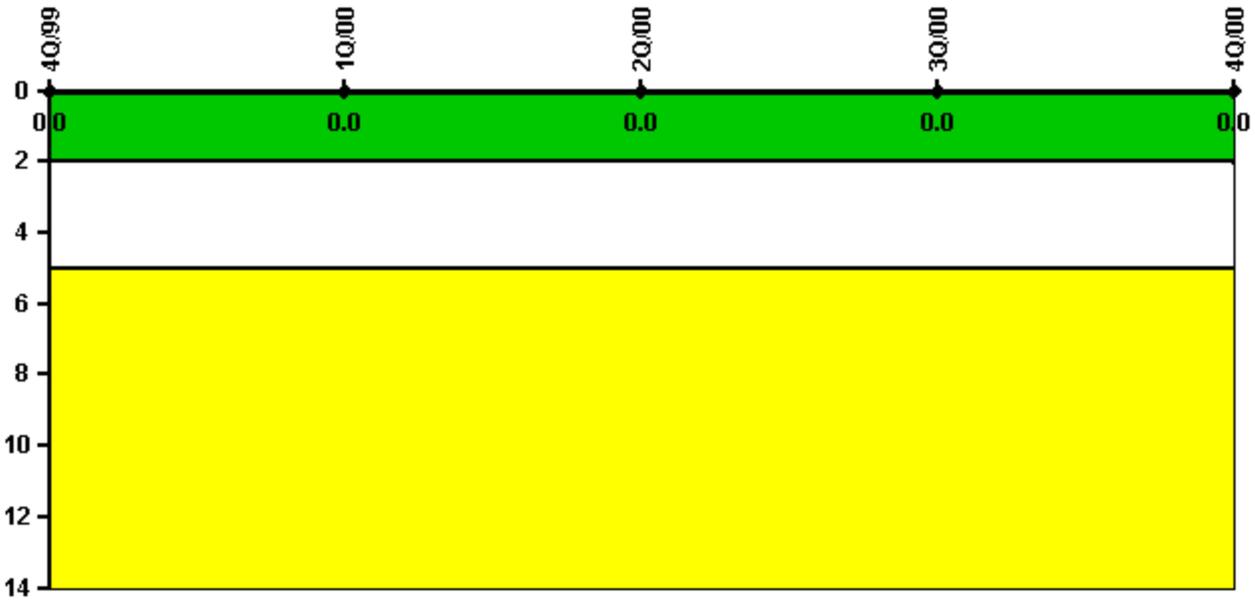
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	402	405	402	401	402
Total sirens-tests	402	406	402	402	402
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



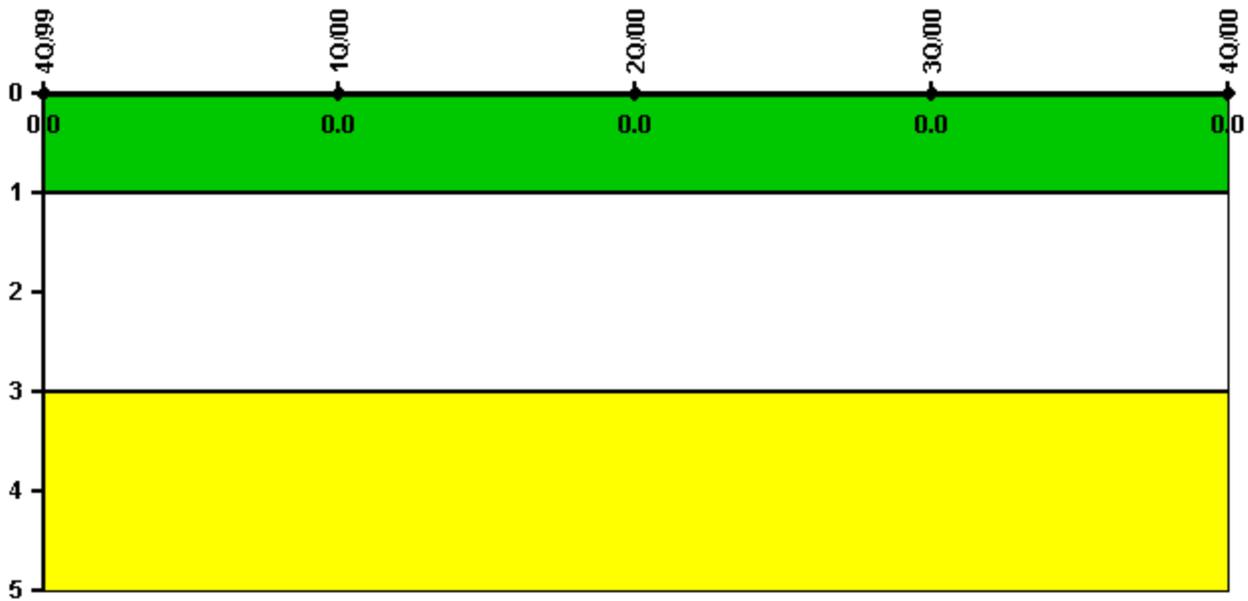
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

Licensee Comments: none

### RETS/ODCM Radiological Effluent



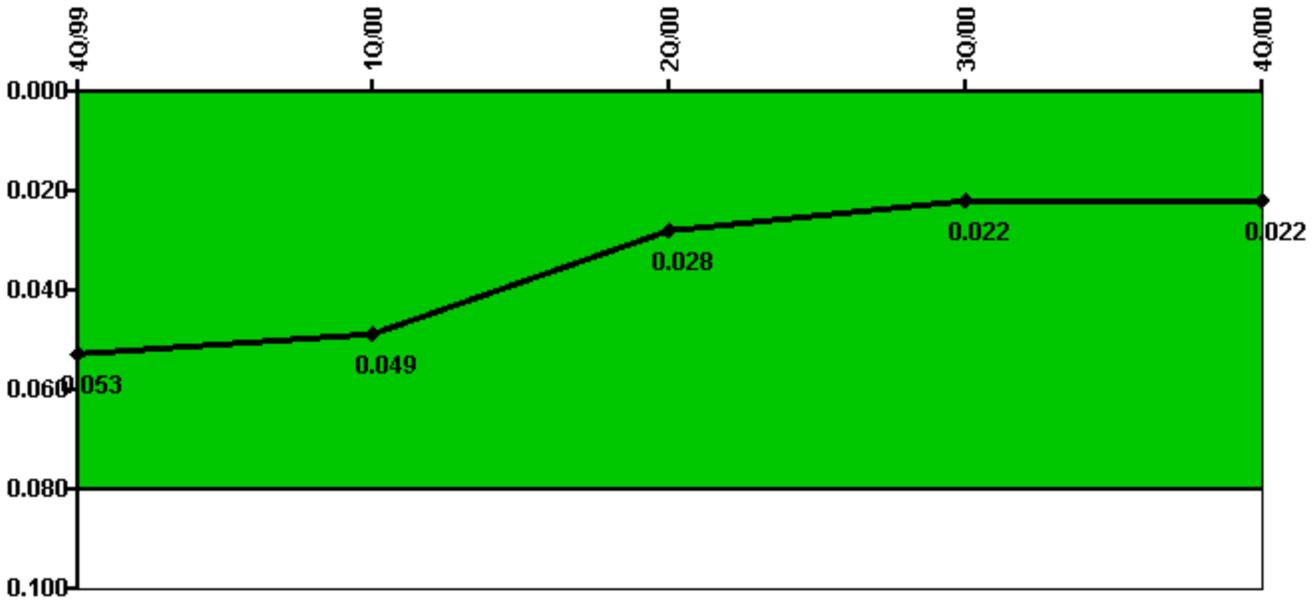
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

### Protected Area Security Performance Index



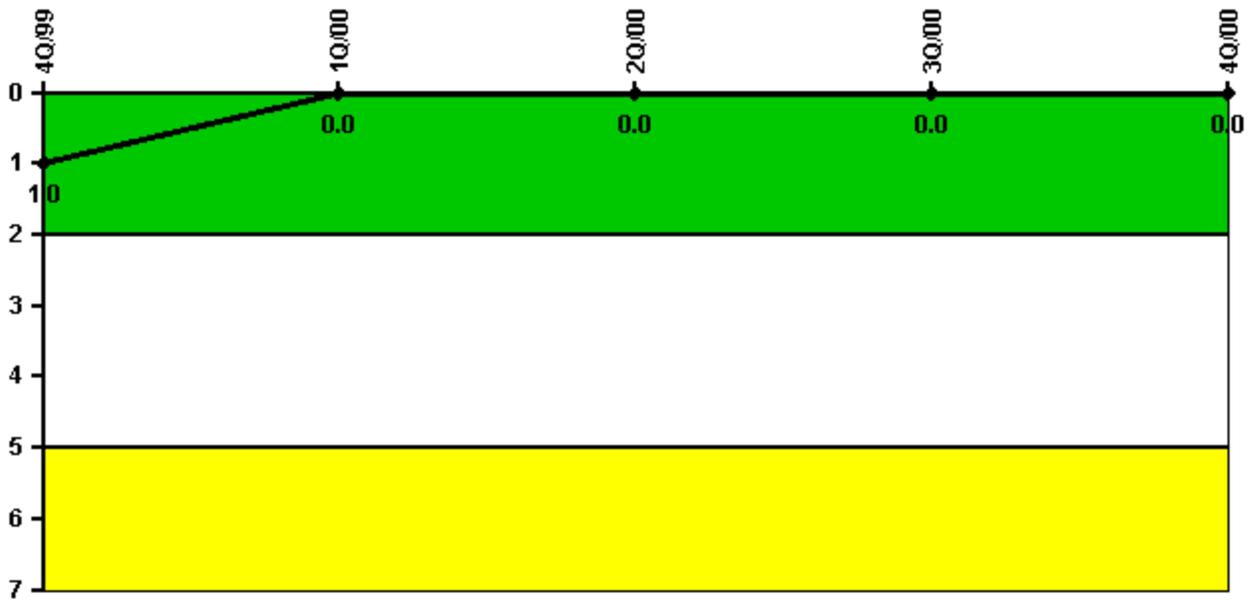
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	16.45	69.46	181.70	43.60	25.70
CCTV compensatory hours	62.0	18.4	15.0	19.7	53.1
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
<b>Index Value</b>	<b>0.053</b>	<b>0.049</b>	<b>0.028</b>	<b>0.022</b>	<b>0.022</b>

Licensee Comments: none

### Personnel Screening Program



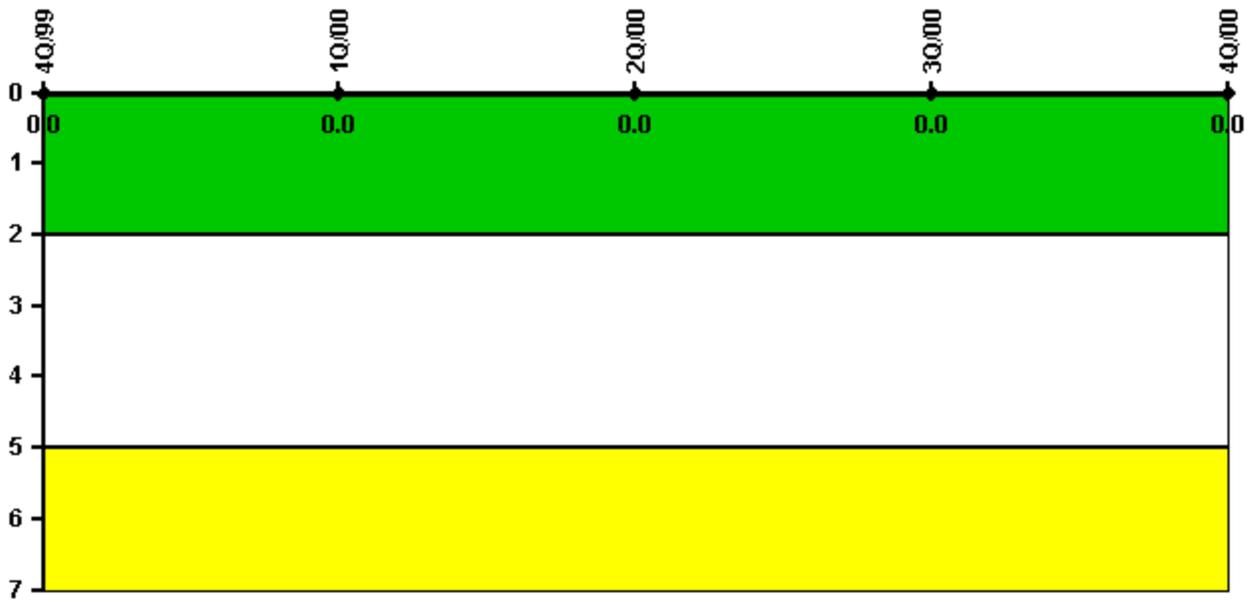
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

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
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 28, 2002