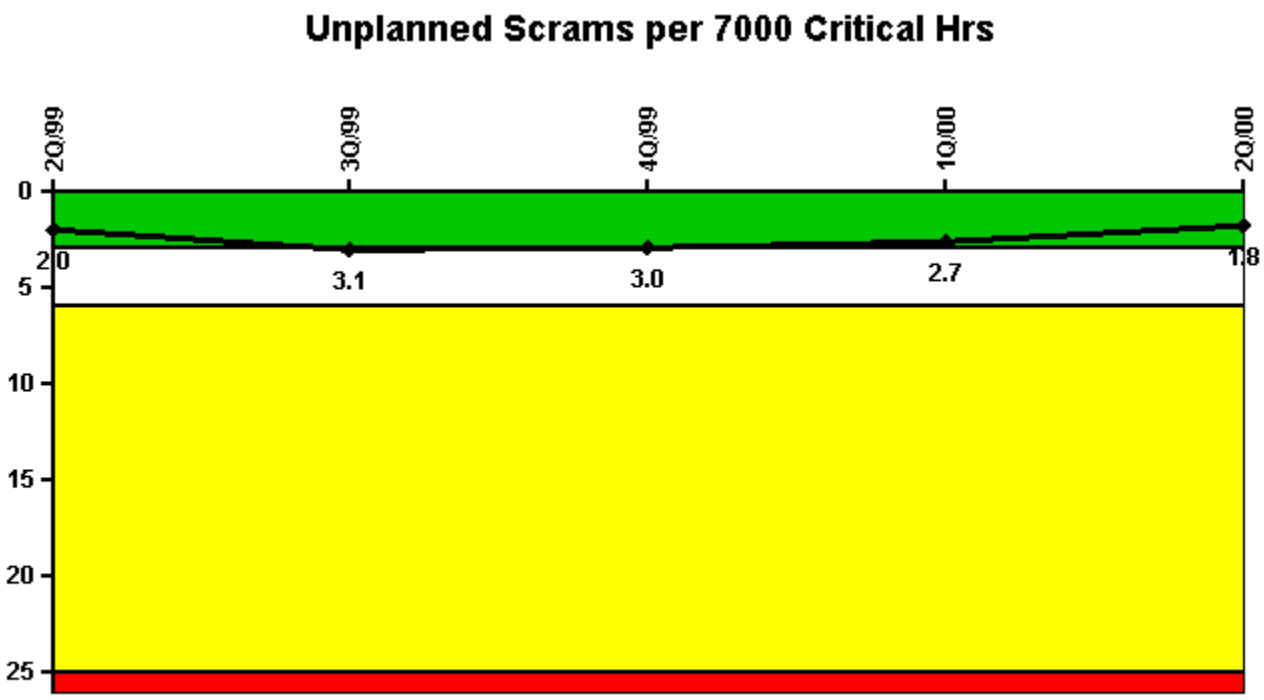
Waterford 3

2Q/2000 Performance Indicators

Licensee's General Comments: none



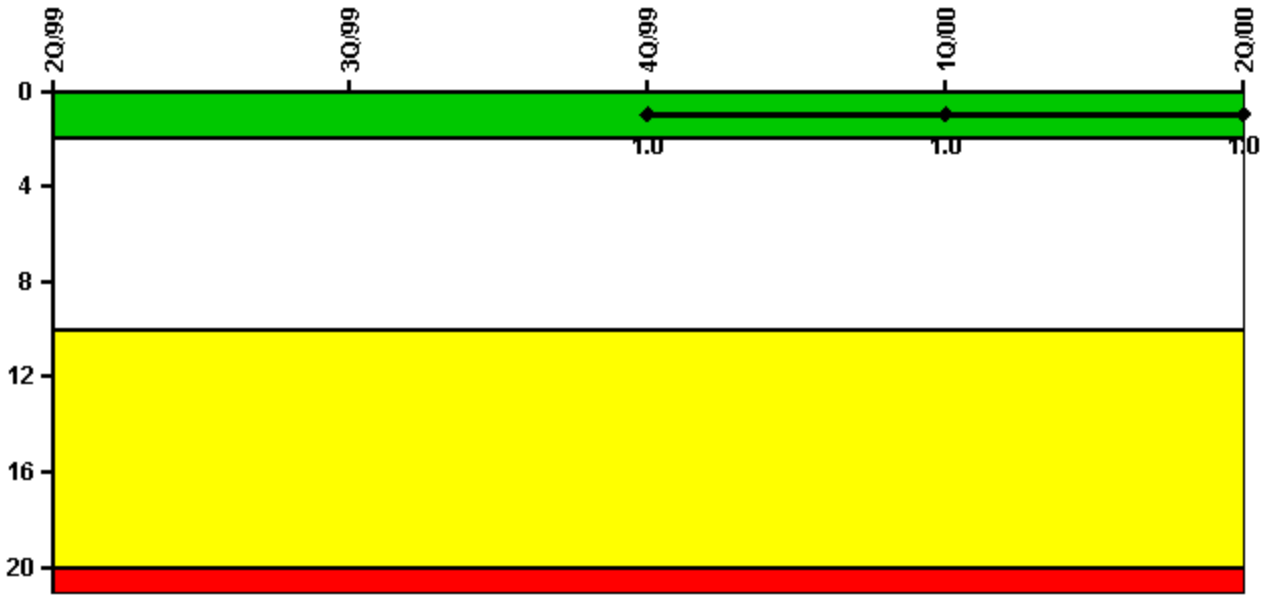
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	1.0	2.0	0	0	0
Critical hours	2123.8	1565.0	2080.9	2149.4	2029.6
Indicator value	**2.0**	**3.1**	**3.0**	**2.7**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



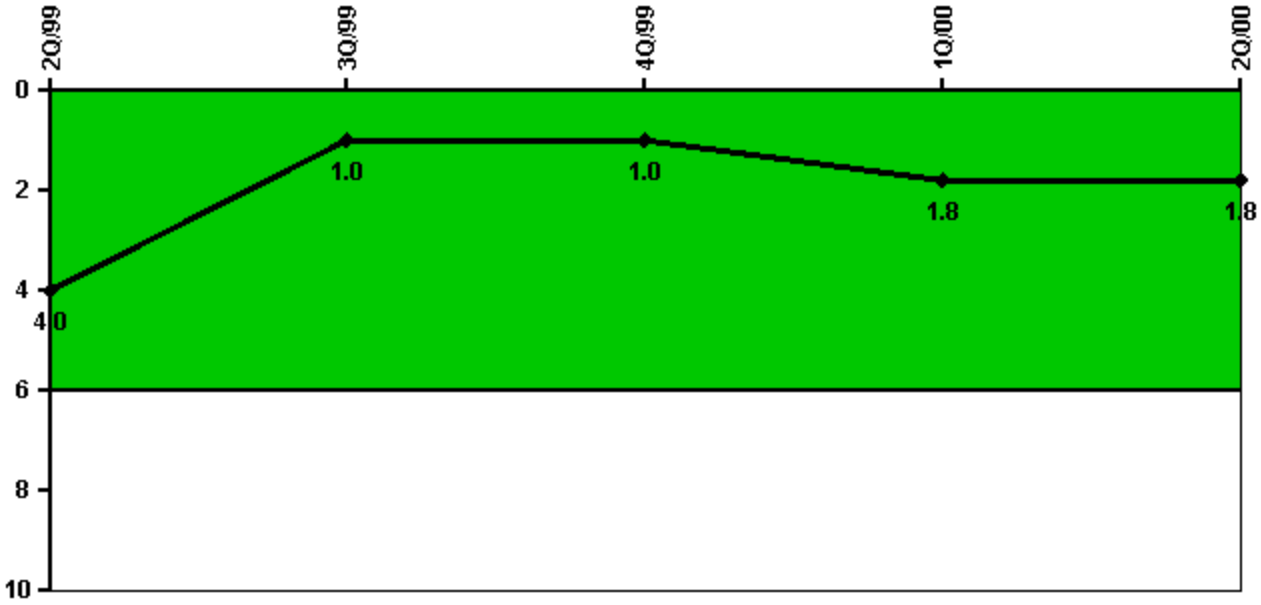
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



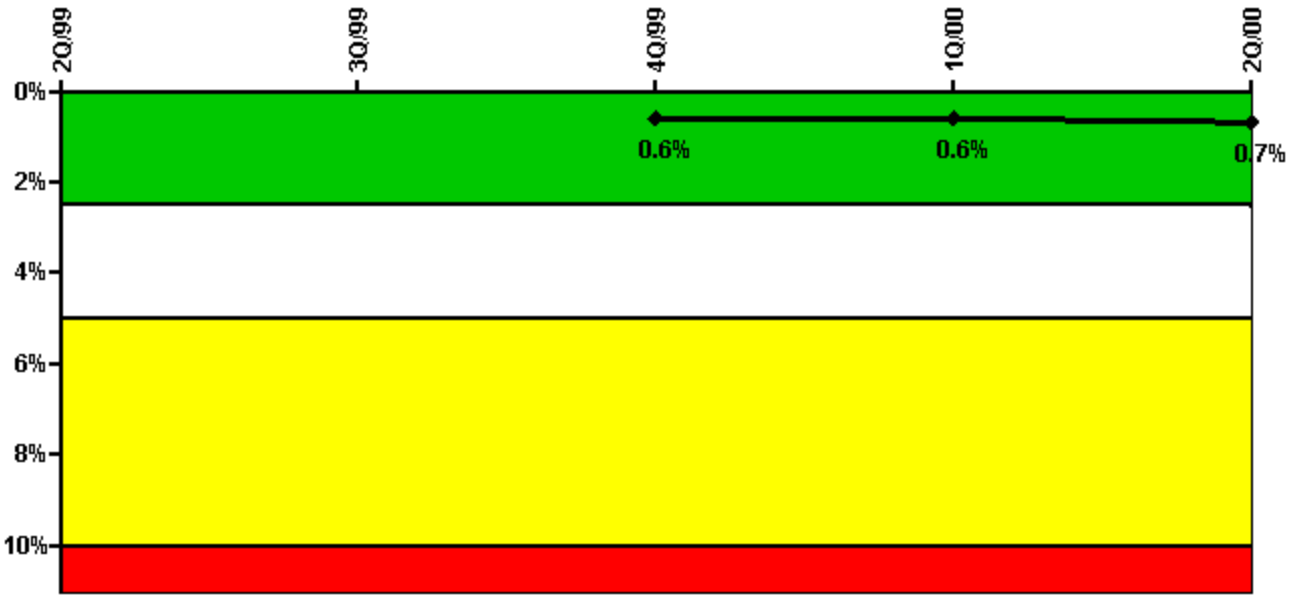
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	1.0	1.0	0
Critical hours	2123.8	1565.0	2080.9	2149.4	2029.6
Indicator value	**4.0**	**1.0**	**1.0**	**1.8**	**1.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

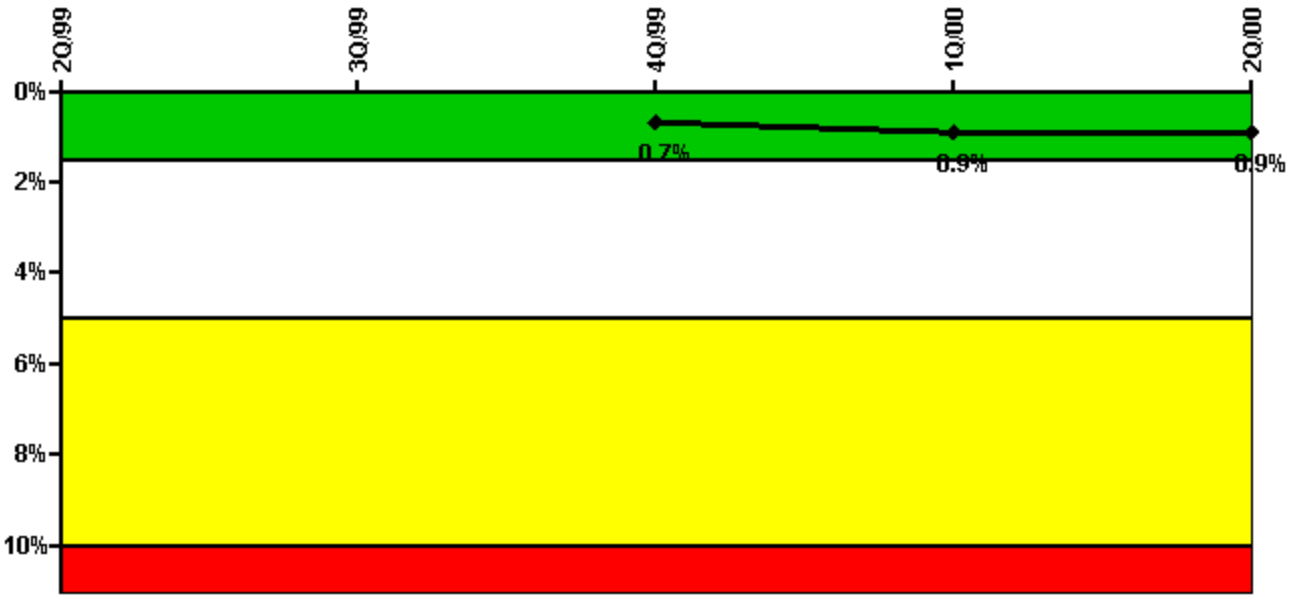
Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	17.90	18.92	16.30	13.45
Unplanned unavailable hours	0	0	0	59.64	0.63
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	19.30	21.00	37.12	19.42	4.11
Unplanned unavailable hours	0	16.58	7.65	0	4.52
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value			**0.6%**	**0.6%**	**0.7%**

Licensee Comments:

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

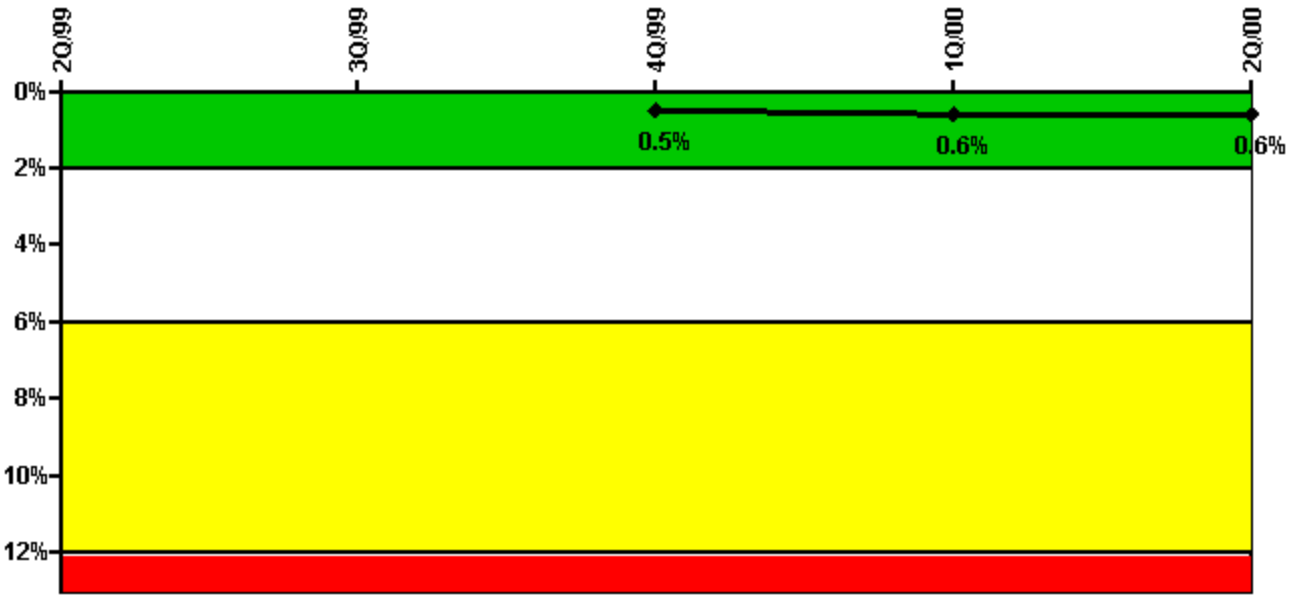
Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	0	81.92	21.42	13.45
Unplanned unavailable hours	0	0	0	59.64	0.63
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1644.75	2209.00	2149.40	2029.60
Train 2					
Planned unavailable hours	13.92	21.00	46.38	19.69	48.63
Unplanned unavailable hours	0	17.91	7.65	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1644.75	2209.00	2149.40	2029.60
Indicator value			**0.7%**	**0.9%**	**0.9%**

Licensee Comments:

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

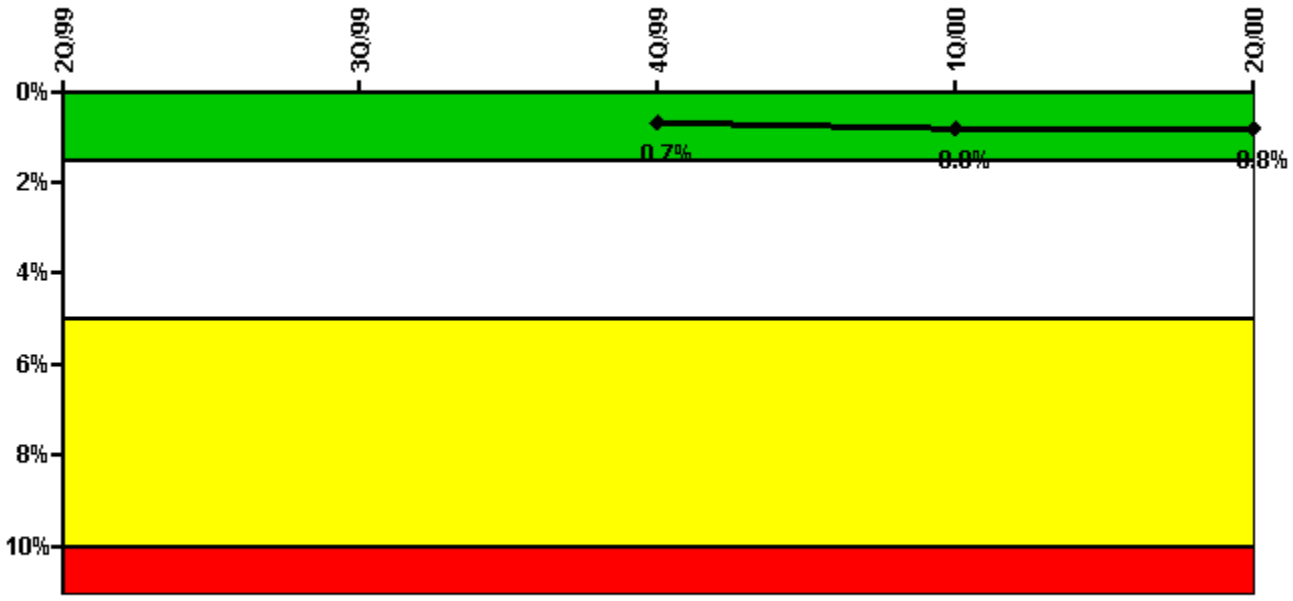
Safety System Unavailability, Heat Removal System (AFW)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	13.23	0	18.92	36.00	13.45
Unplanned unavailable hours	0	0	0	59.64	0.63
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1644.75	2209.00	2166.30	2053.80
Train 2					
Planned unavailable hours	0	21.00	28.90	19.42	12.58
Unplanned unavailable hours	12.73	16.58	7.65	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1644.75	2209.00	2166.30	2053.80
Train 3					
Planned unavailable hours	0	0	0	0	0
Unplanned unavailable hours	29.83	5.75	6.15	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1644.75	2209.00	2166.30	2053.80
Indicator value			**0.5%**	**0.6%**	**0.6%**

Licensee Comments:

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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	26.63	54.82	16.30	14.68
Unplanned unavailable hours	9.90	0	0	59.64	0.63
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2053.80
Train 2					
Planned unavailable hours	16.88	21.00	43.15	33.98	5.18
Unplanned unavailable hours	0	16.58	7.65	0	0
Fault exposure hours	0	0	9.25	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2053.80
Train 3					
Planned unavailable hours	0	26.63	54.82	16.30	0
Unplanned unavailable hours	9.90	0	0	59.64	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	129.20
Train 4					
Planned unavailable hours	16.88	21.00	43.15	33.98	0
Unplanned unavailable hours	0	16.58	7.65	0	0
Fault exposure hours	0	0	9.25	0	0
Effective Reset hours	0	0	0	0	0

Required hours	2183.00	2208.00	2209.00	2184.00	129.20
Indicator value			**0.7%**	**0.8%**	**0.8%**

Licensee Comments:

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.

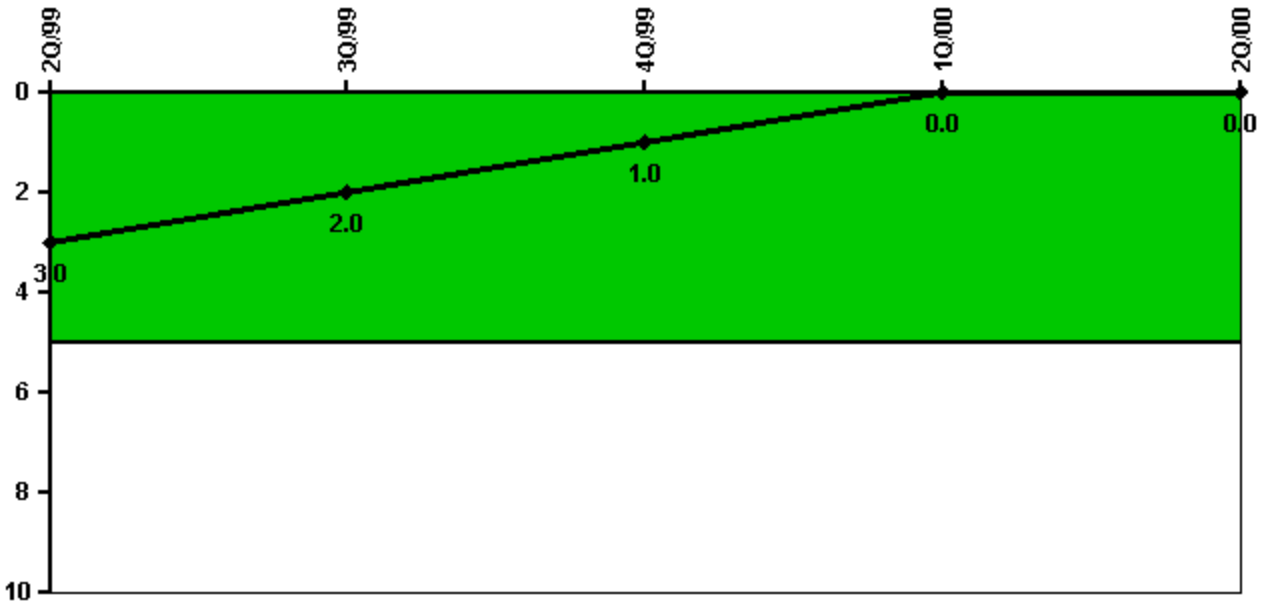
2Q/00: Per FAQ 172, Waterford 3 has revised the number of RHR trains being reported from 2 trains to 4 trains. A change report has been submitted that maintains train 1 and 2 historical data as is and repeated train 1 and 2 data in trains 3 and 4. Data for the 2nd quarter of 2000 was calculated for each 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.

1Q/00: The majority of unavailability reported in the 1st Quarter 2000 was due to the cascading of support system unavailability.

4Q/99: The reported unavailability hours from the first quarter of 1997 to the third quarter of 1999 uses the safety system performance indicator data submitted to WANO. Equipment unavailability for that period was not re-examined to the criteria of NEI 99-02, Draft, Rev D. However, the historical data will be reviewed to determine if support system unavailability was accurately cascaded into the reported system in past WANO submittals. This review should be complete for the next subsequent submittal. Note that fault exposure hours occurring prior to the third quarter of 1999 would have been included in the unplanned unavailability hours. The data for the fourth quarter of 1999 was determined using the guidance of NEI 99-02, Draft, Rev D. Note: The Containment Spray system, as well as the Shutdown Cooling mode of LPSI, comprises the RHR function. Because the RHR system is needed at all times, the number of hours required for RHR system availability is the total hours in the quarter. Unavailability occurs when a train is unable to perform its intended safety function when it is required to be available to perform that function. If a component is not required in certain modes, it is because it is not needed to meet a safety function under those conditions. For example, unavailability is not counted for the Containment Spray system when it is manually isolated and aligned for shutdown cooling in modes 4, 5 and 6. Change to previously submitted data: 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.

Safety System Functional Failures (PWR)



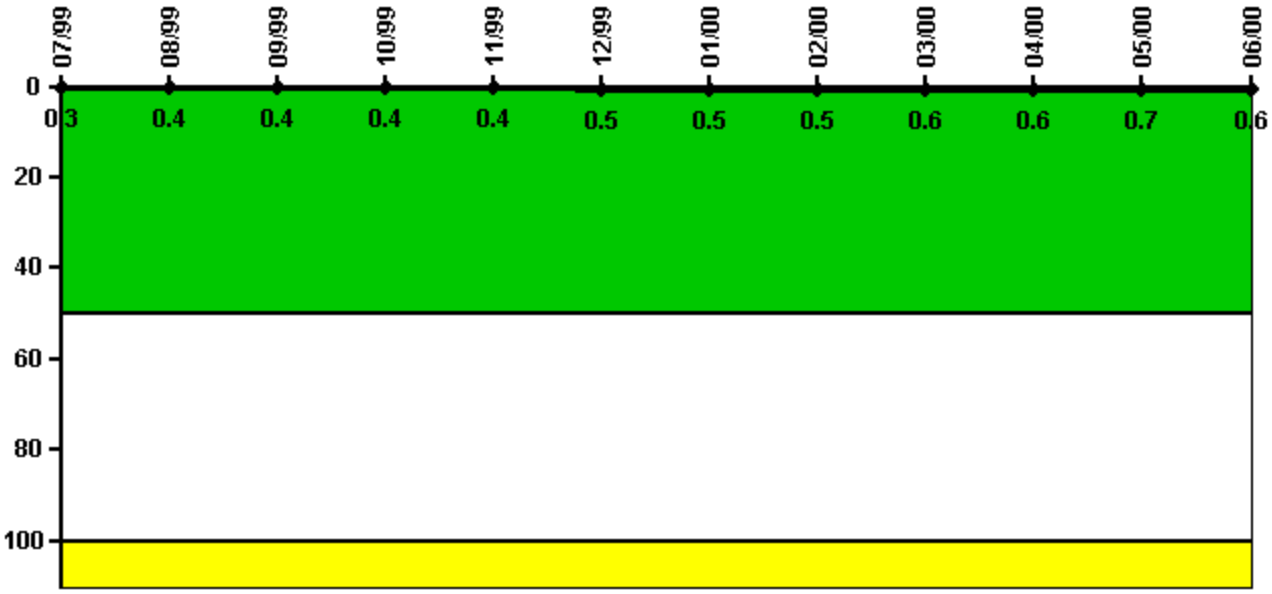
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

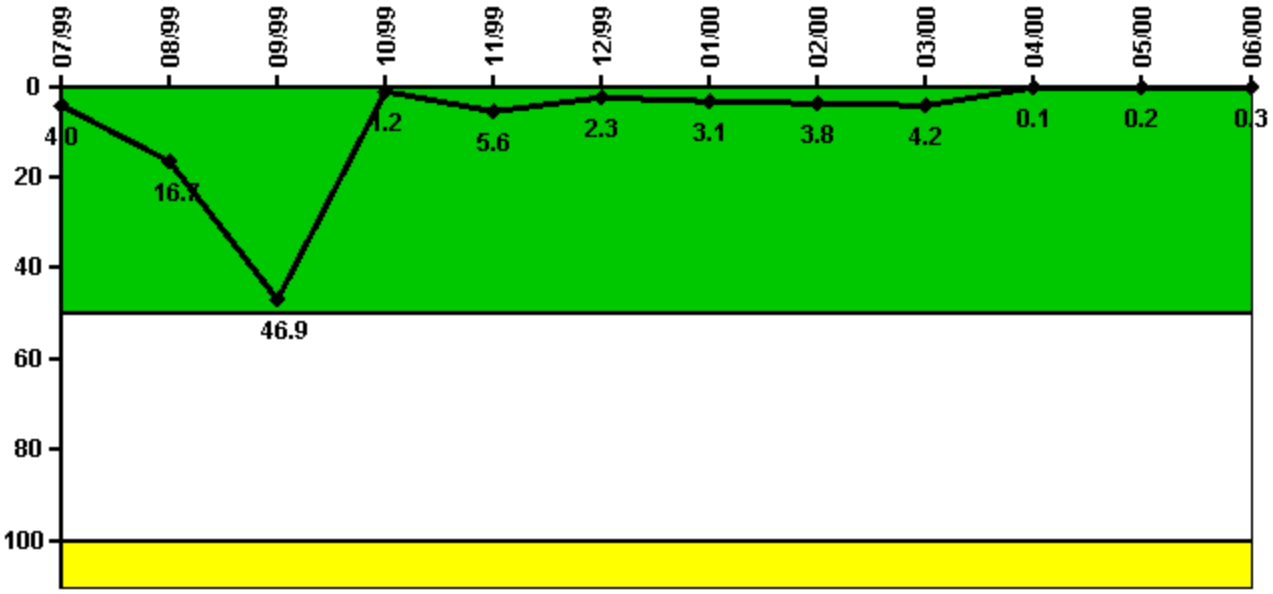
Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.003480	0.003530	0.003570	0.004230	0.004420	0.004610	0.005010	0.005360	0.005890	0.005910	0.007120	0.006470
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**	**0.4**	**0.4**	**0.4**	**0.4**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.7**	**0.6**

Licensee Comments:

6/00: Data between 6/8/00 and 6/16/00 not used due to plant shutdown and startup.

Reactor Coolant System Leakage



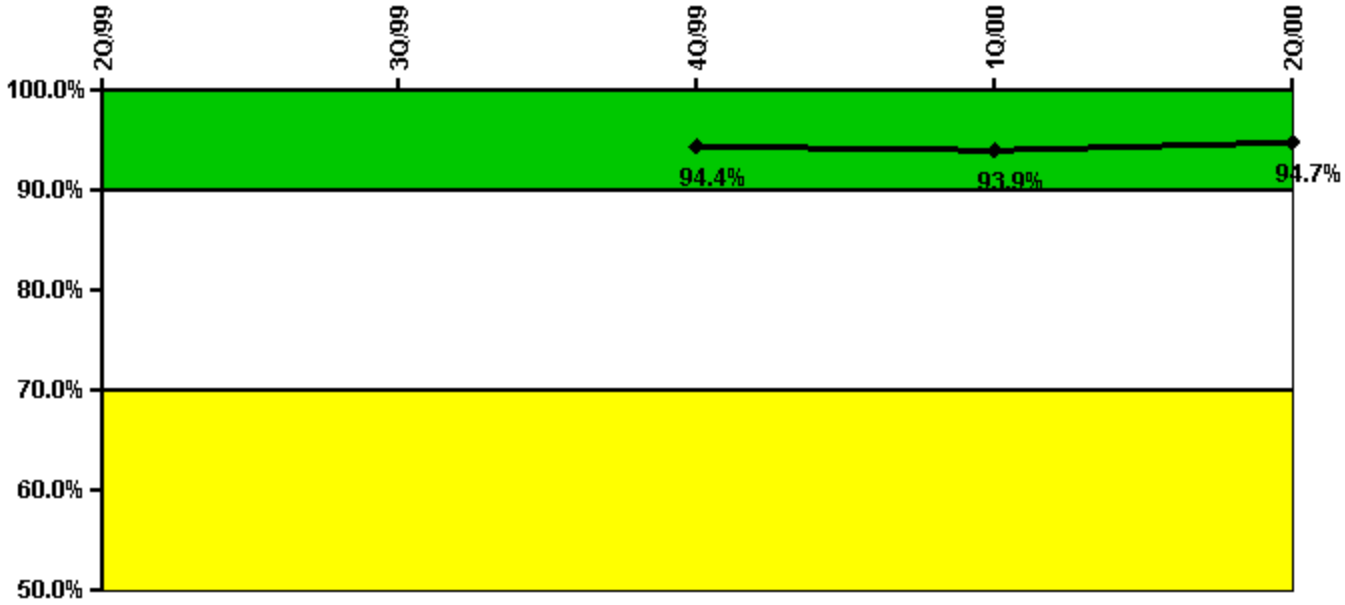
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	0.401	1.671	4.690	0.122	0.557	0.233	0.308	0.381	0.420	0.014	0.020	0.028
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	**4.0**	**16.7**	**46.9**	**1.2**	**5.6**	**2.3**	**3.1**	**3.8**	**4.2**	**0.1**	**0.2**	**0.3**

Licensee Comments: none

Drill/Exercise Performance



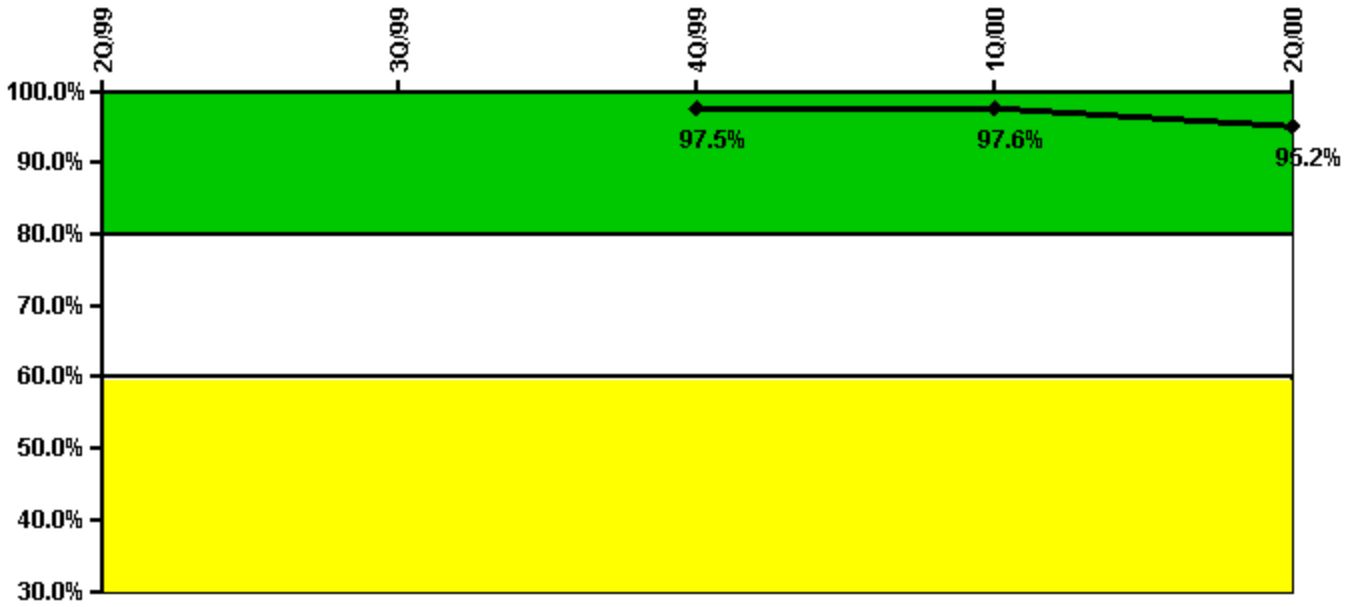
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	26.0	60.0	43.0	51.0	62.0
Total opportunities	26.0	68.0	44.0	54.0	64.0
Indicator value			**94.4%**	**93.9%**	**94.7%**

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

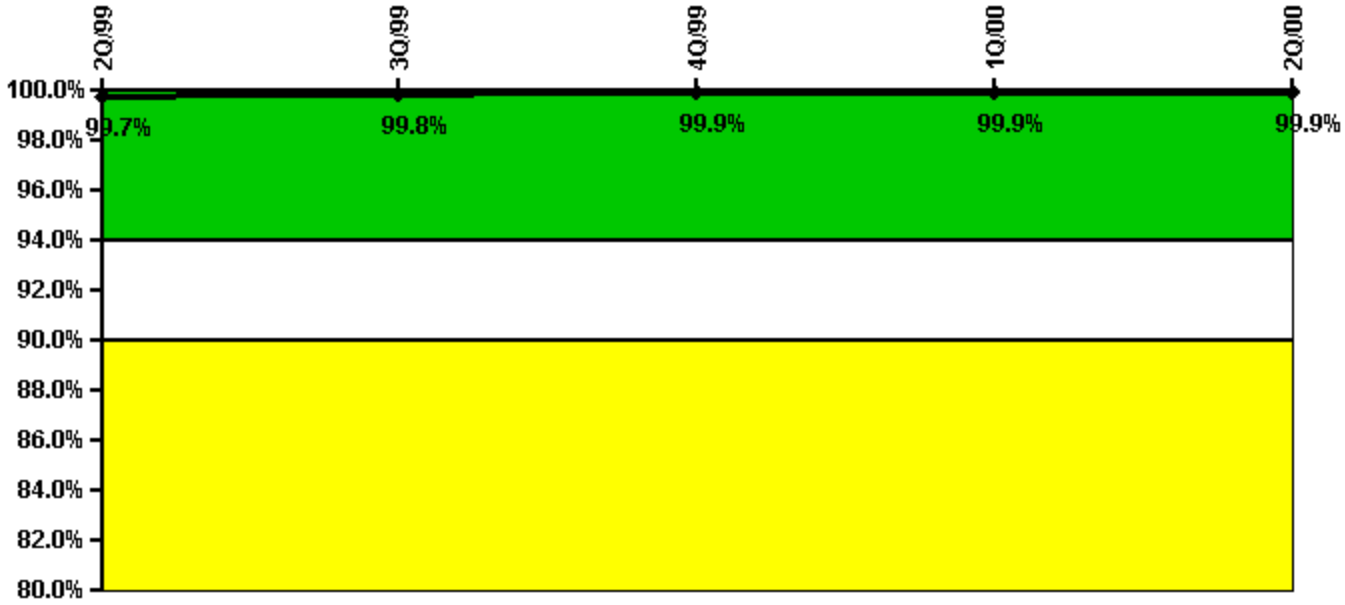
Notes

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

Licensee Comments:

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



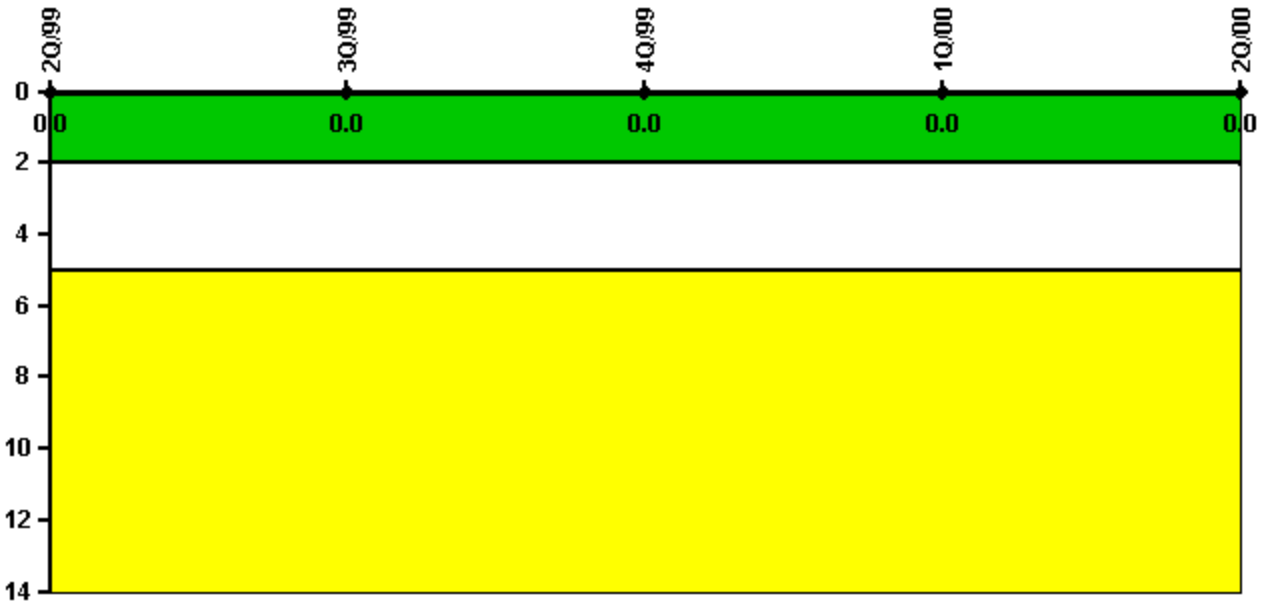
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	402	401	402	405	402
Total sirens-tests	402	402	402	406	402
Indicator value	**99.7%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



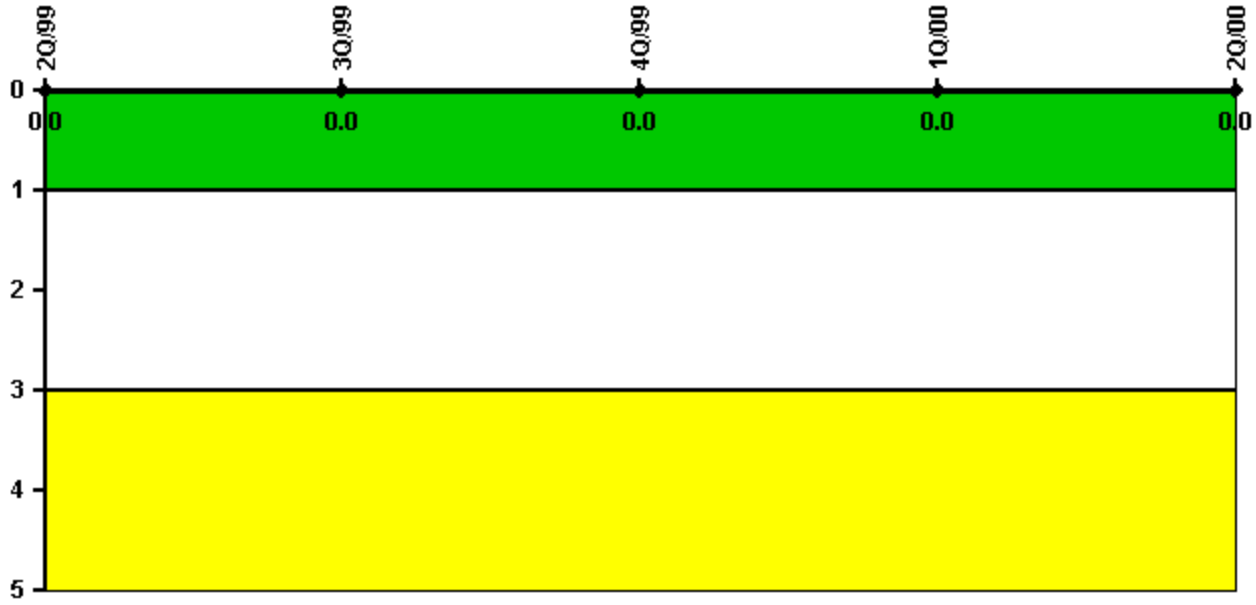
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/99	3Q/99	4Q/99	1Q/00	2Q/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
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent



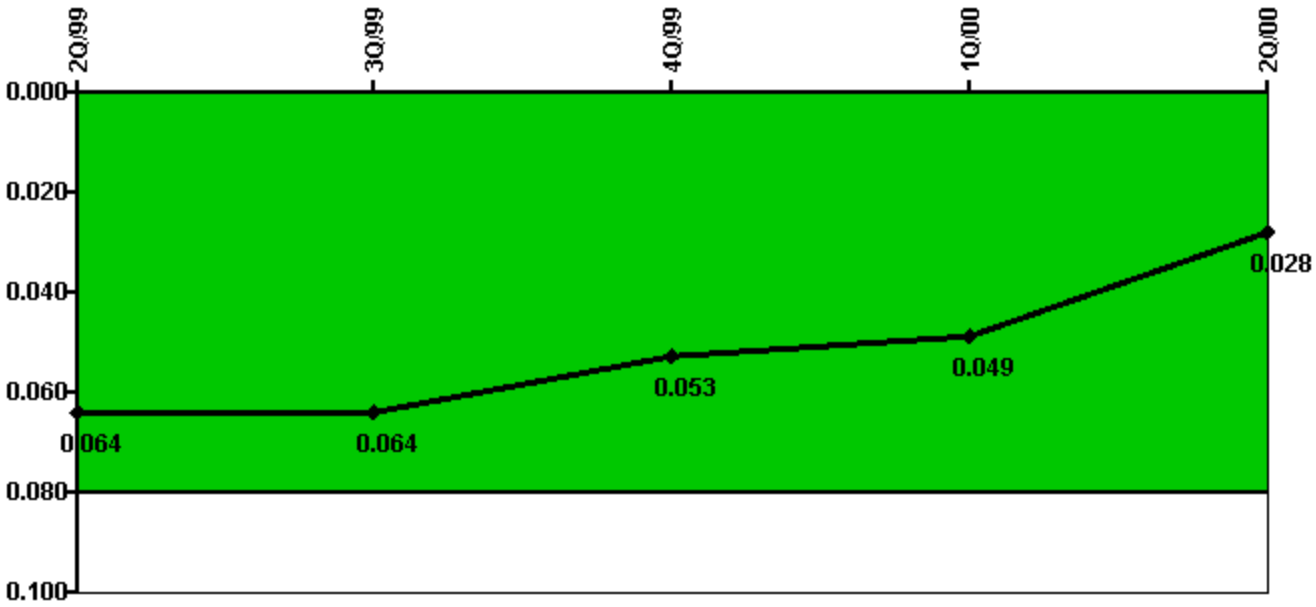
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/99	3Q/99	4Q/99	1Q/00	2Q/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

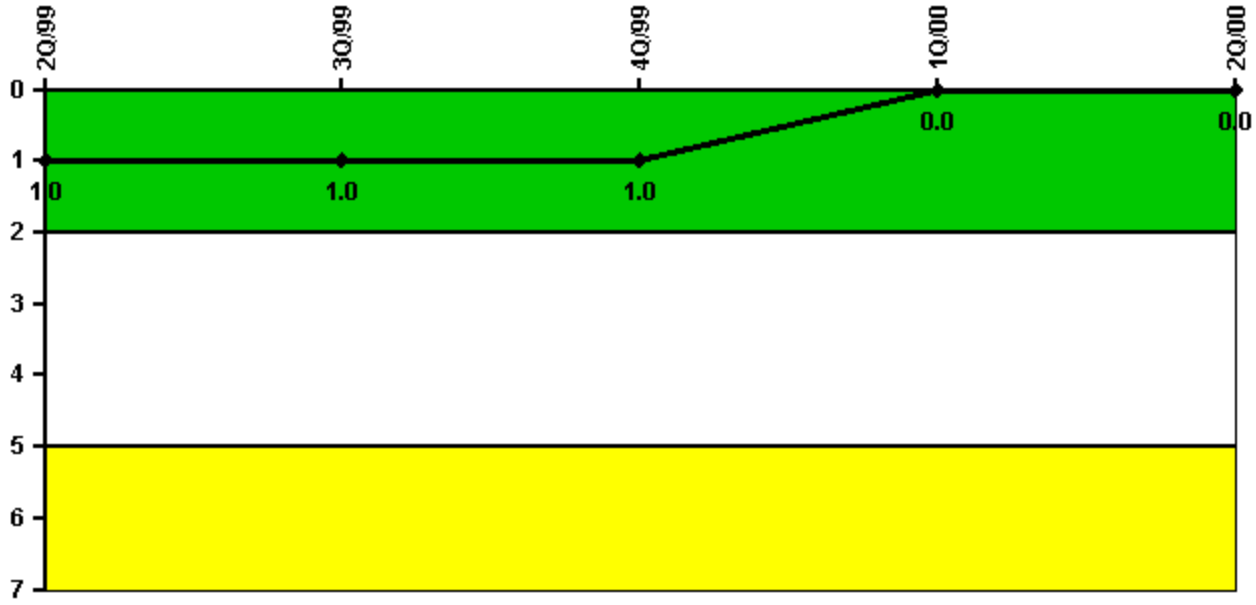
Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	598.30	129.05	16.45	69.46	181.70
CCTV compensatory hours	14.0	43.1	62.0	18.4	15.0
IDS normalization factor	1.35	1.10	1.10	1.10	1.10
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
Index Value	**0.064**	**0.064**	**0.053**	**0.049**	**0.028**

Licensee Comments:

2Q/00: In September 2000, an internal assessment discovered a 9 minute discrepancy for the month of April 2000 in IDS Compensatory Hours. This discrepancy changed the reported time from 32.5 hours to 32.4 hours. This change did not affect the Performance Indicator color.

Personnel Screening Program



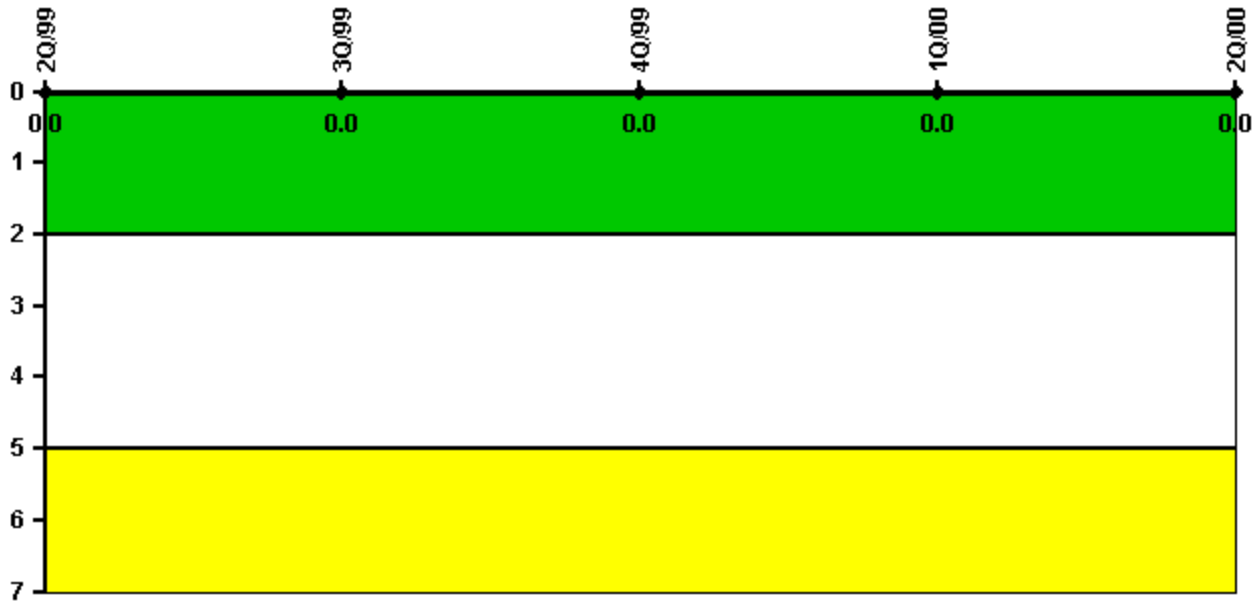
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002