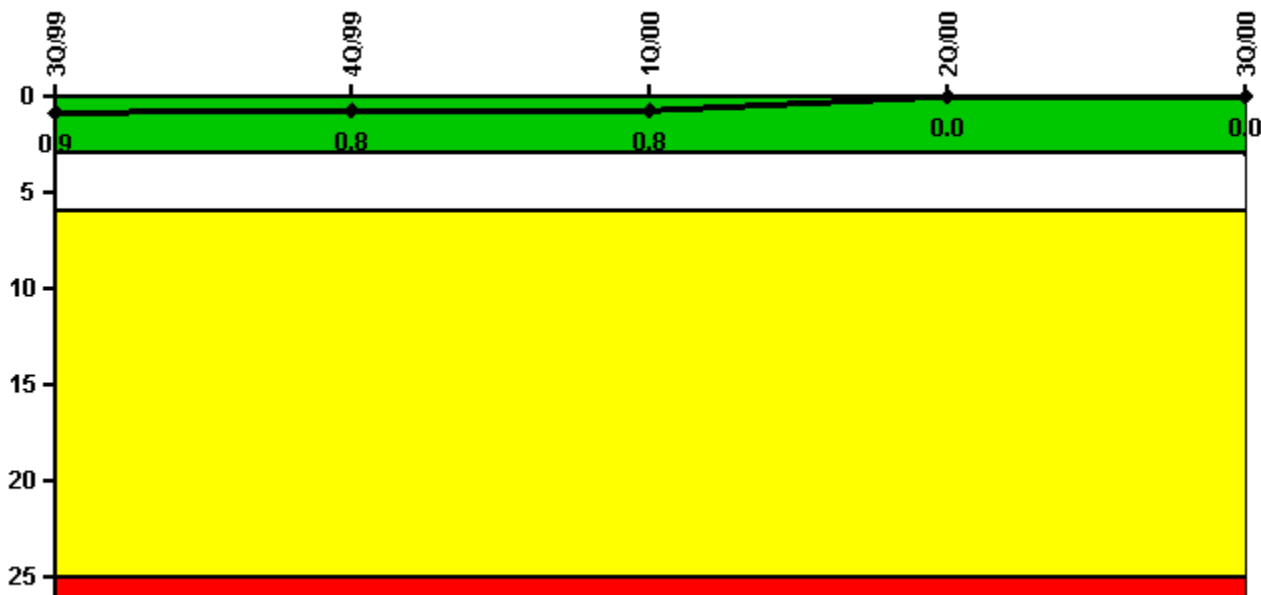


### Quad Cities 1

#### 3Q/2000 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



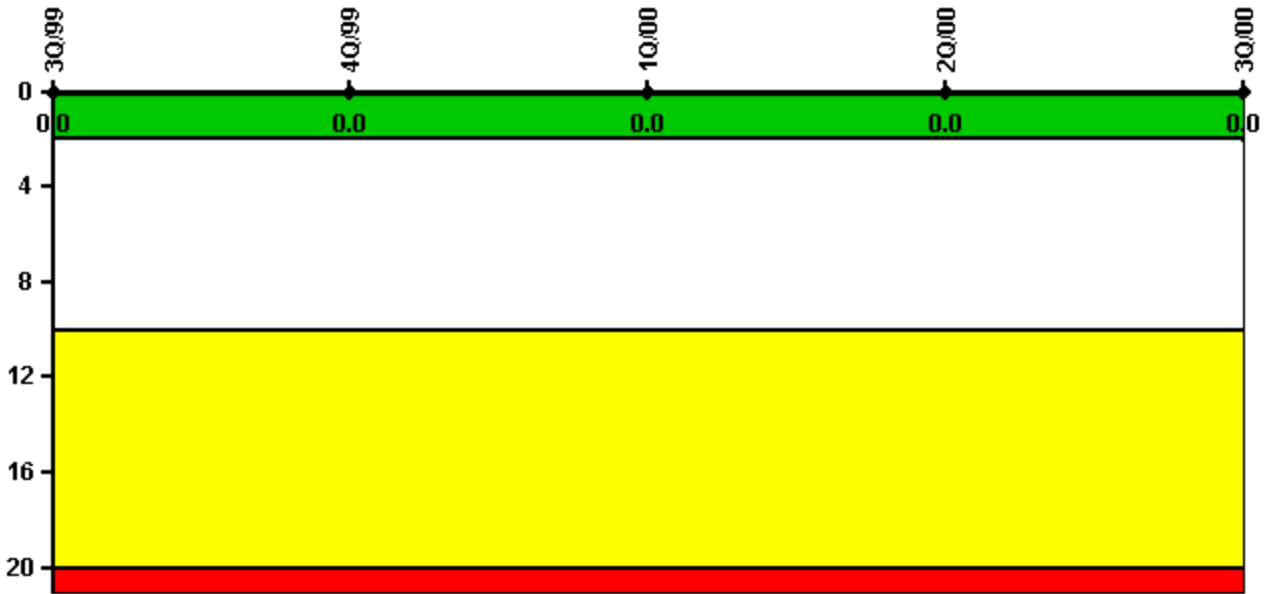
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



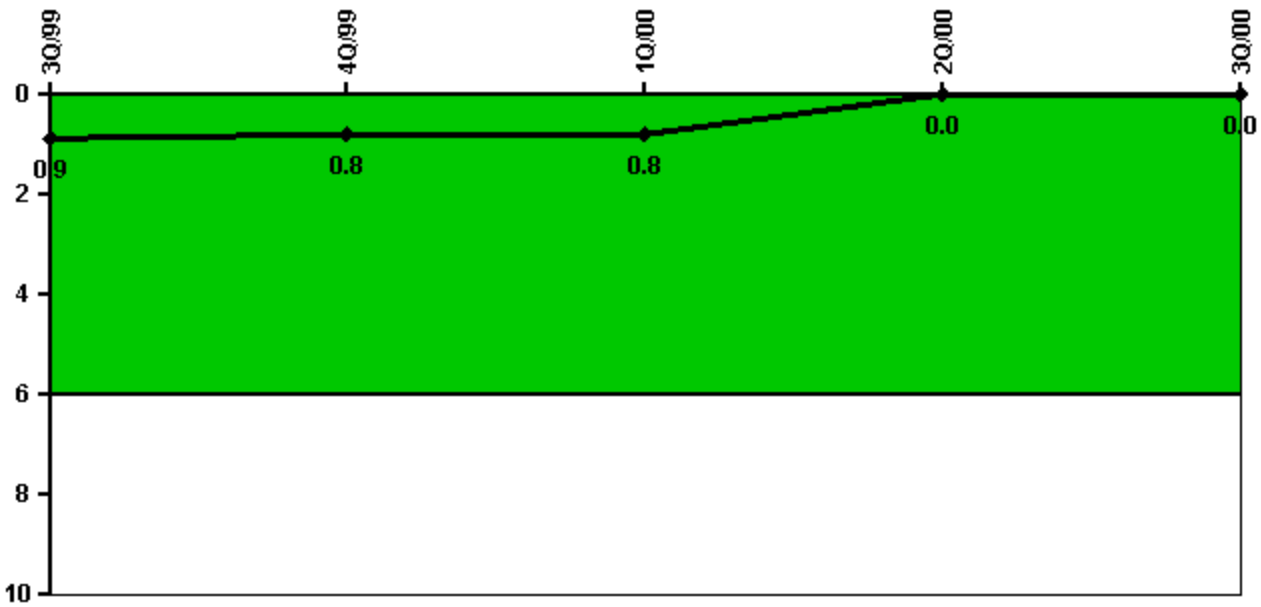
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

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

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



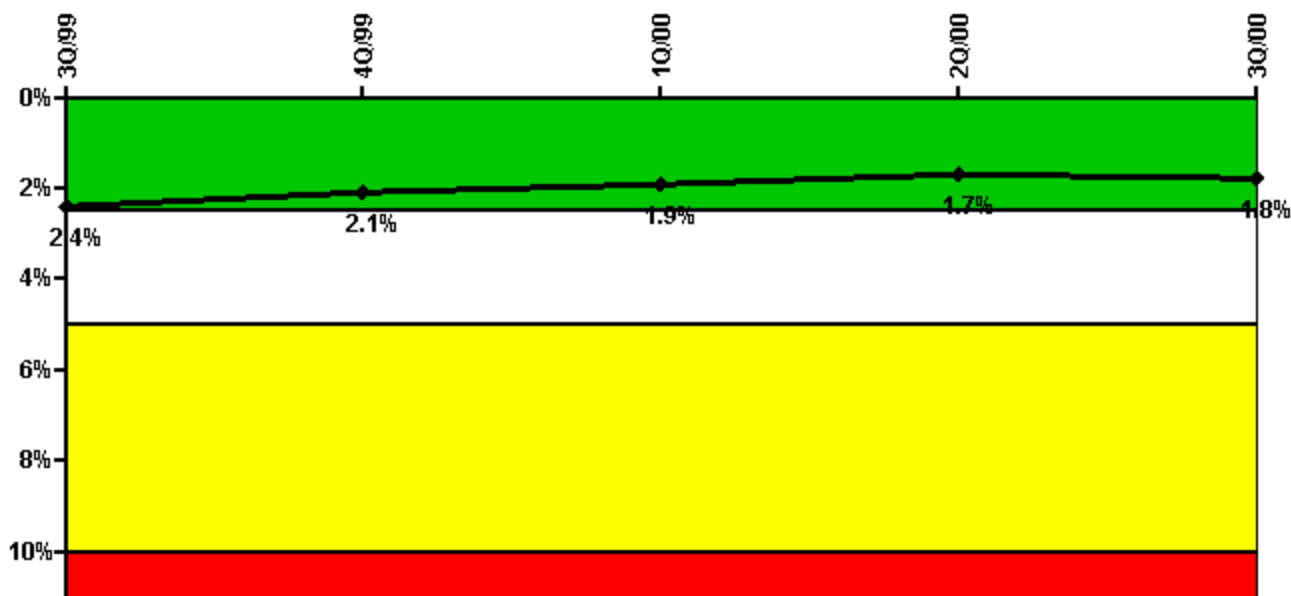
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



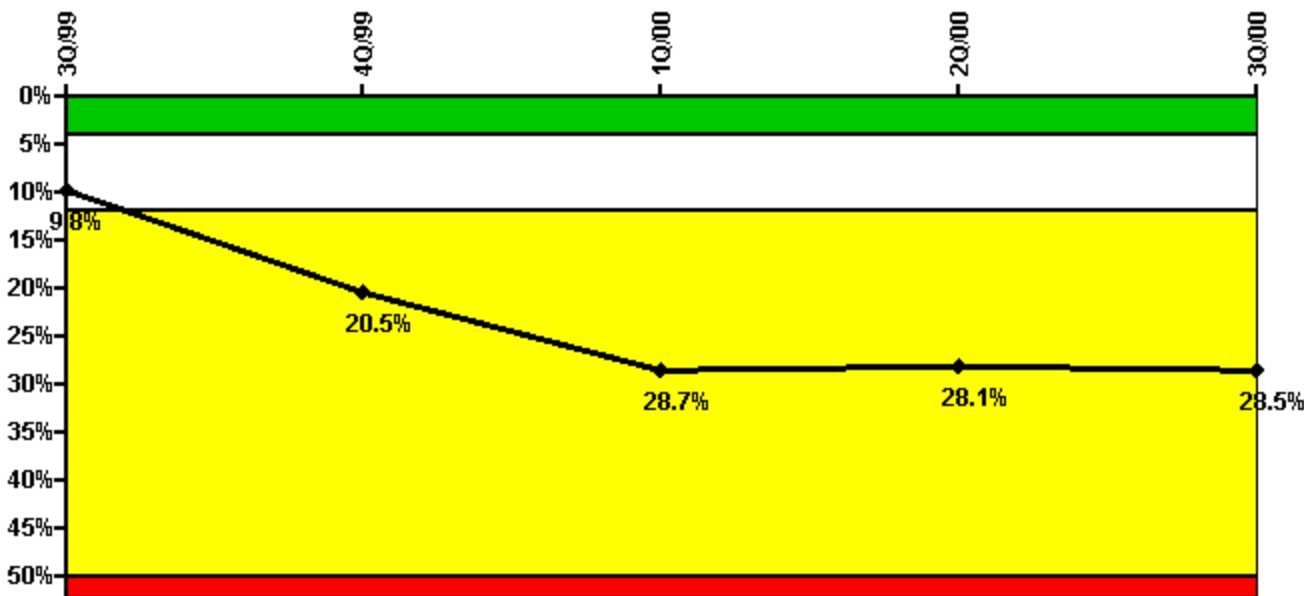
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	31.30	15.04	48.10	17.29	8.46
Unplanned unavailable hours	32.00	0	4.17	0	0
Fault exposure hours	127.80	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>					
Planned unavailable hours	103.70	14.20	12.46	11.32	69.70
Unplanned unavailable hours	0	0	0	0	3.30
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>2.4%</b>	<b>2.1%</b>	<b>1.9%</b>	<b>1.7%</b>	<b>1.8%</b>

Licensee Comments: none

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



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	11.13	79.87	45.21	31.29	102.84
Unplanned unavailable hours	16.25	30.20	33.85	3.20	0
Fault exposure hours	1451.40	2099.00	1889.40	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>9.8%</b>	<b>20.5%</b>	<b>28.7%</b>	<b>28.1%</b>	<b>28.5%</b>

Licensee Comments:

3Q/00: This indicator remains YELLOW. Fault exposure hours have been added to this performance indicator due to the failure of the Unit 1 HPCI aux oil pump to continue running on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Clarification of some aspects of this event is being pursued through the FAQ process. A self-assessment of the Mitigating Systems Cornerstone and a supplemental NRC Inspection have been performed. The conclusions and corrective actions that resulted are in the corrective action program.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The

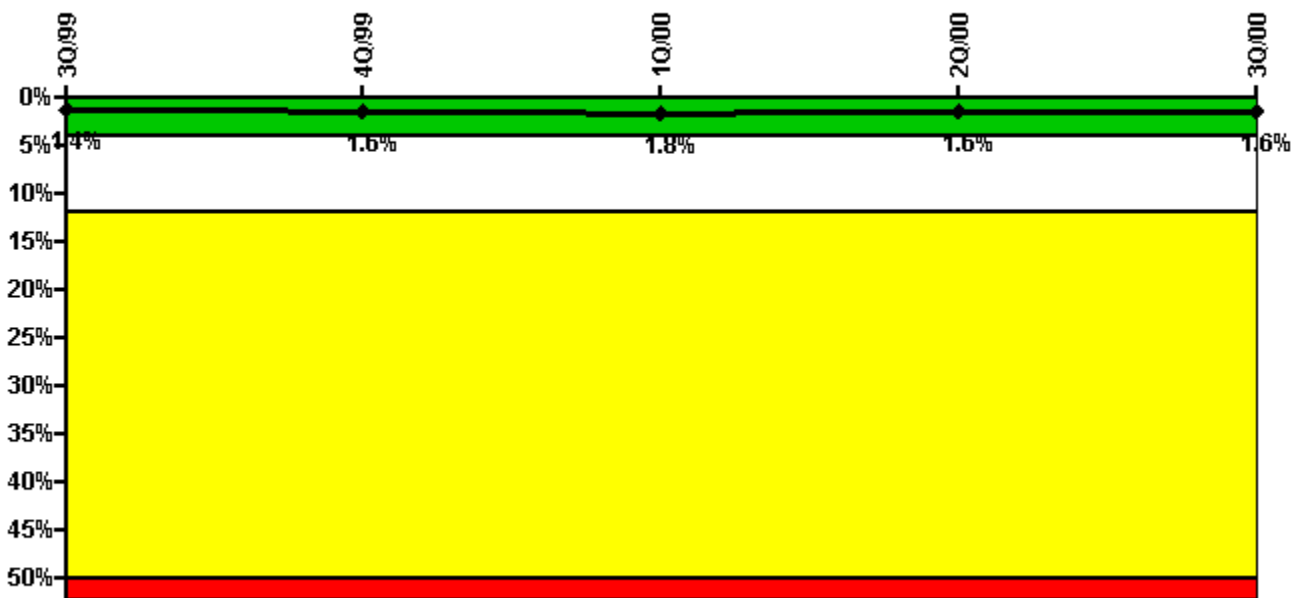
results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. \* Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. \* Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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



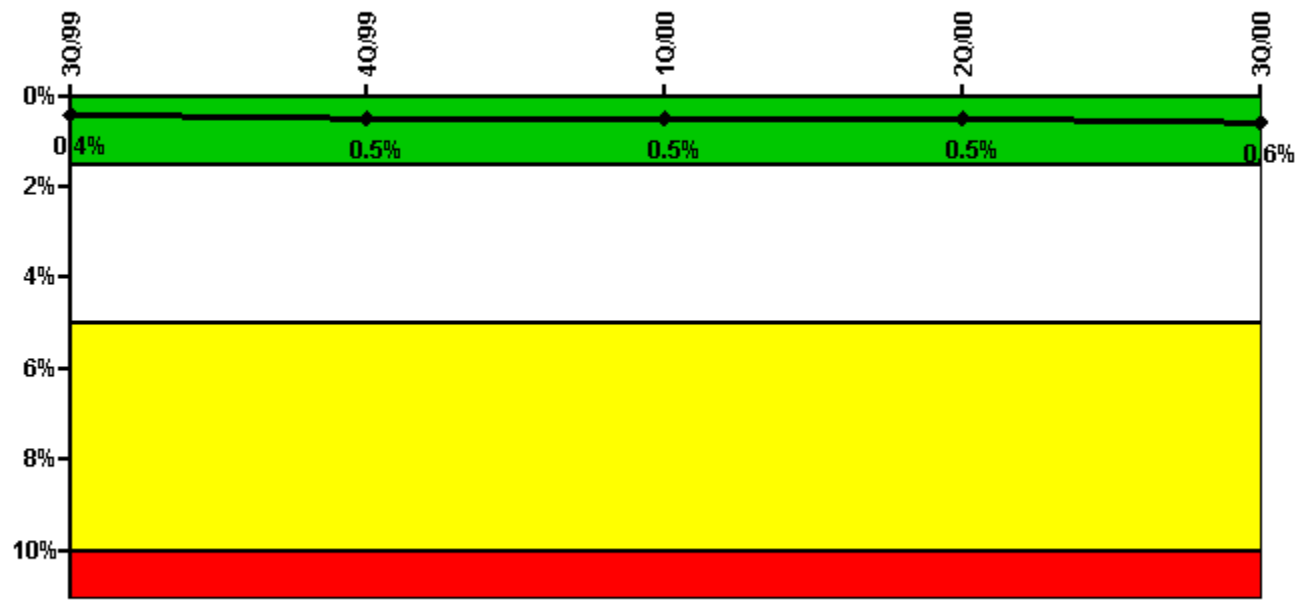
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

**Notes**

Safety System Unavailability, Heat Removal System (RCIC)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	12.13	46.47	20.36	55.86	9.61
Unplanned unavailable hours	0	0	26.21	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>1.4%</b>	<b>1.6%</b>	<b>1.8%</b>	<b>1.6%</b>	<b>1.6%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



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

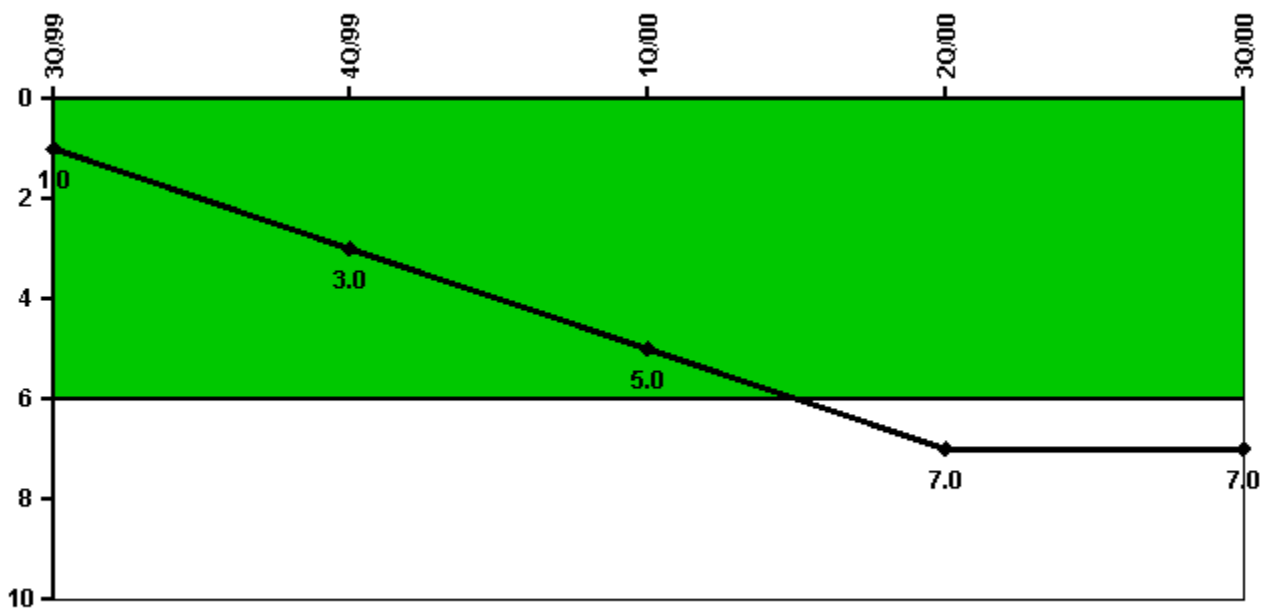
### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	15.70	30.80	0	0	27.37
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>					
Planned unavailable hours	16.20	31.30	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0

Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.4%	0.5%	0.5%	0.5%	0.6%

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

### Notes

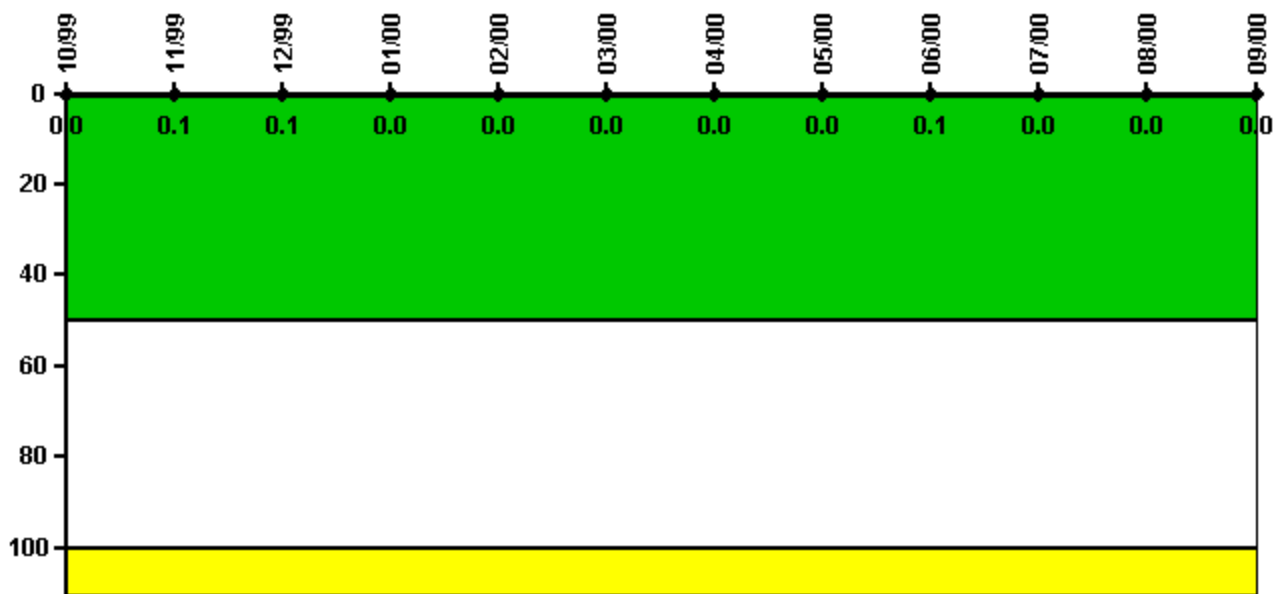
Safety System Functional Failures (BWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	0	3	2	2	0
Indicator value	1	3	5	7	7

Licensee Comments:

3Q/00: This indicator remains WHITE. A self-assessment of the Mitigating Systems Cornerstone has been performed including assessment of the systems that contributed to this WHITE indicator. Also, a common cause investigation and a supplemental NRC Inspection were performed for this indicator. The conclusions and corrective actions that resulted are in the corrective action program.



### Reactor Coolant System Activity



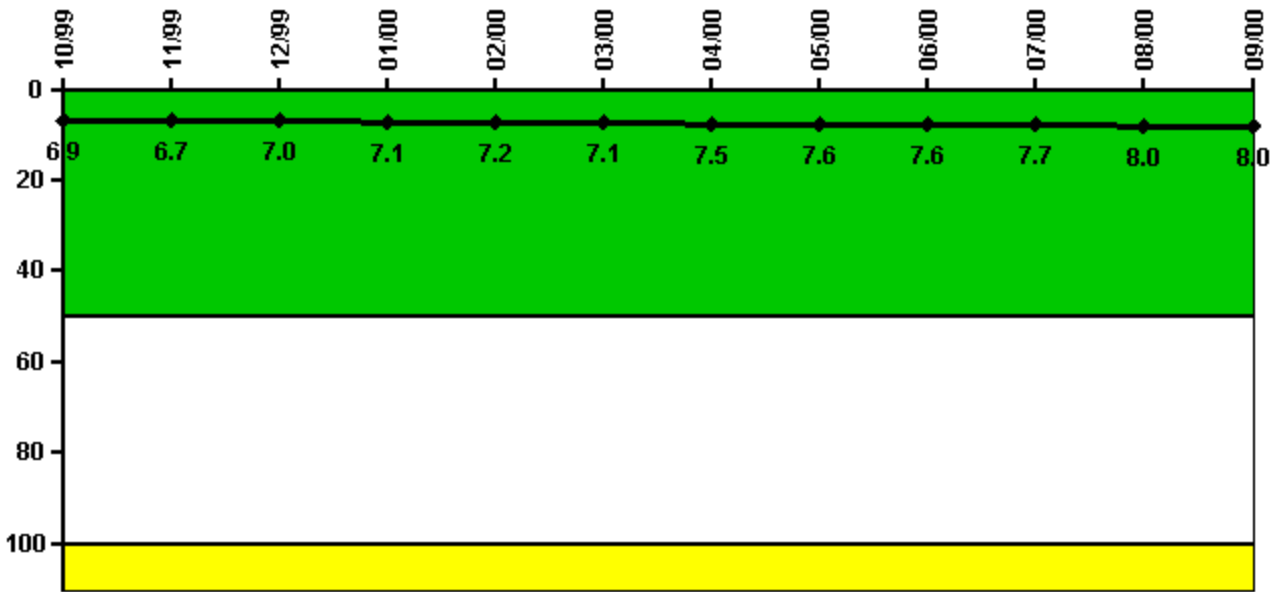
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000095	0.000133	0.000123	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0.1	0.1	0	0	0	0	0	0.1	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



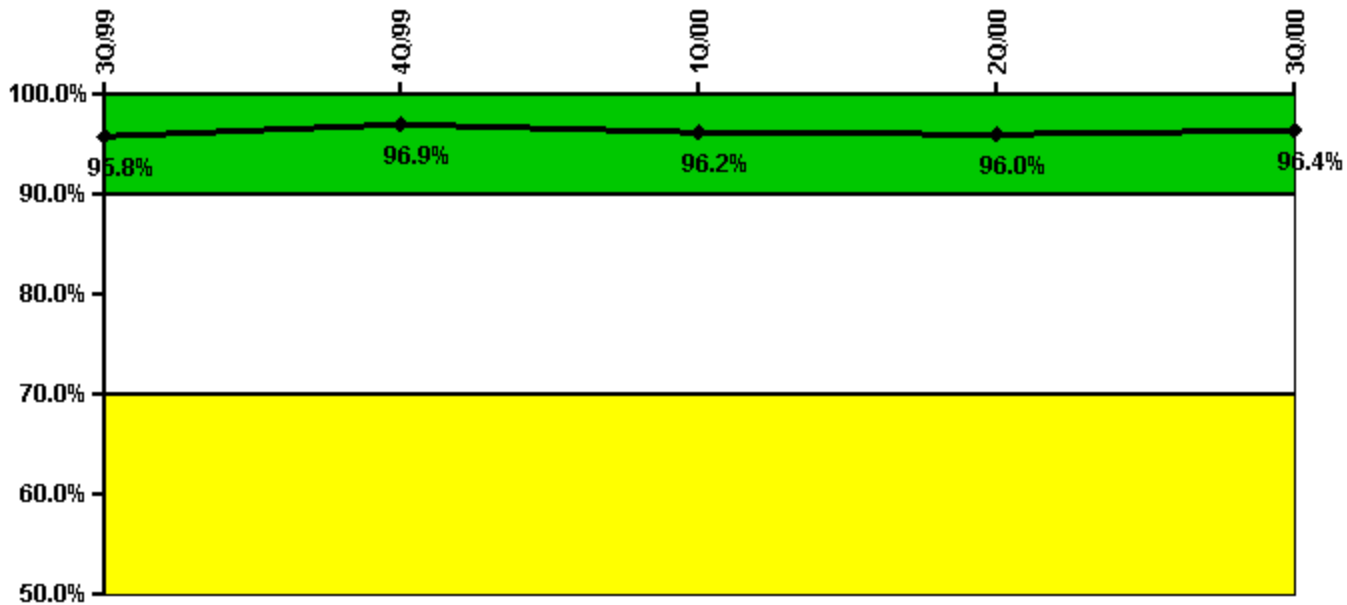
Thresholds: White > 50.0 Yellow > 100.0

#### 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	1.720	1.670	1.750	1.780	1.790	1.780	1.880	1.900	1.900	1.920	1.990	1.990
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.9	6.7	7.0	7.1	7.2	7.1	7.5	7.6	7.6	7.7	8.0	8.0

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

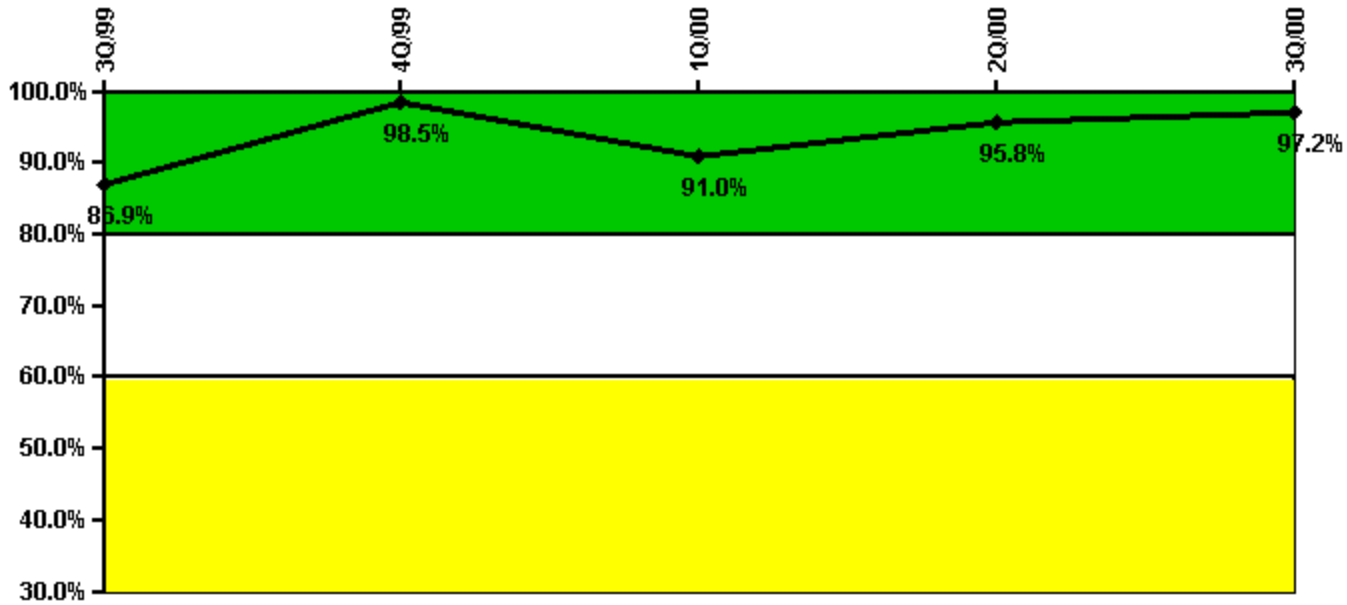
#### Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	55.0	56.0	15.0	59.0	50.0
Total opportunities	55.0	57.0	17.0	62.0	53.0
<b>Indicator value</b>	<b>95.8%</b>	<b>96.9%</b>	<b>96.2%</b>	<b>96.0%</b>	<b>96.4%</b>

Licensee Comments:

3Q/00: Third Quarter 2000 data collection process included a change based on FAQ 195 to count a notification opportunity that included both a classification and a Protective Action Recommendation as two notification opportunities.

### ERO Drill Participation



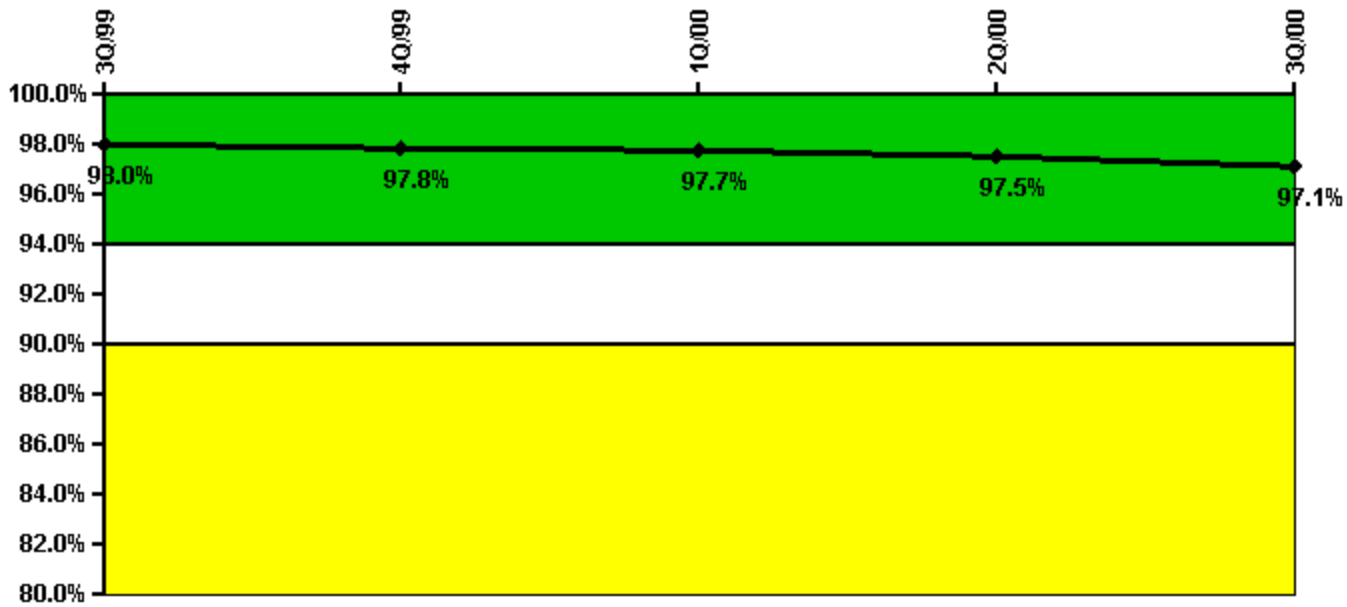
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	53.0	64.0	61.0	69.0	69.0
Total Key personnel	61.0	65.0	67.0	72.0	71.0
Indicator value	86.9%	98.5%	91.0%	95.8%	97.2%

Licensee Comments: none

### Alert & Notification System



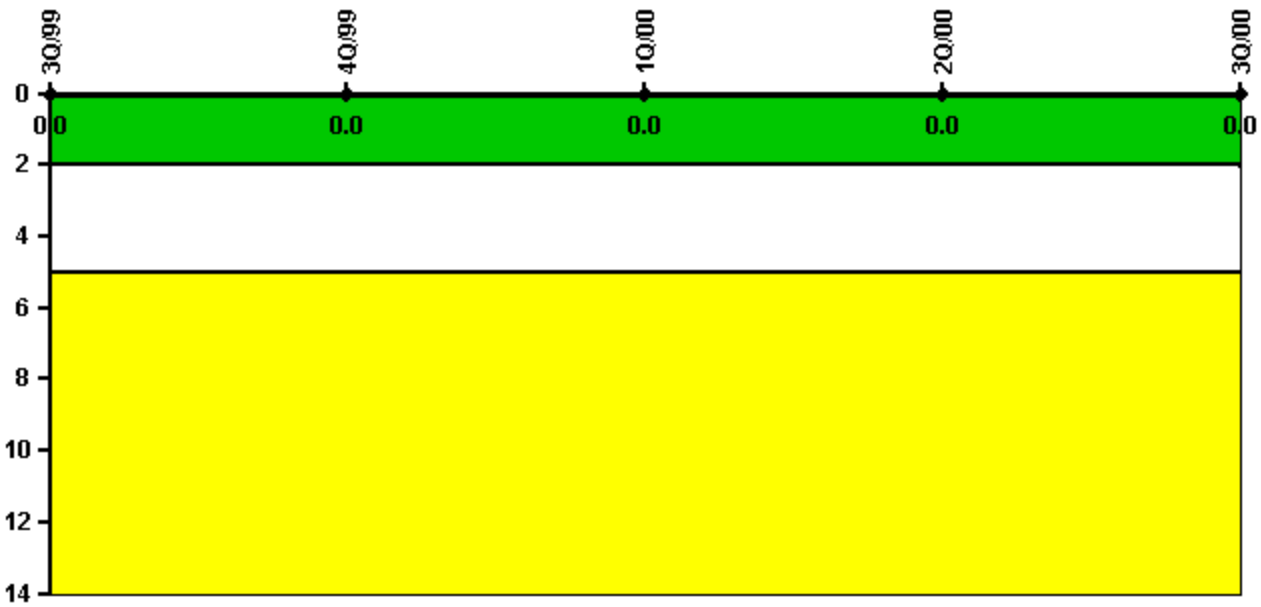
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	3303	3219	3321	3190	3150
Total sirens-tests	3380	3276	3380	3328	3276
<b>Indicator value</b>	<b>98.0%</b>	<b>97.8%</b>	<b>97.7%</b>	<b>97.5%</b>	<b>97.1%</b>

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	3Q/99	4Q/99	1Q/00	2Q/00	3Q/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



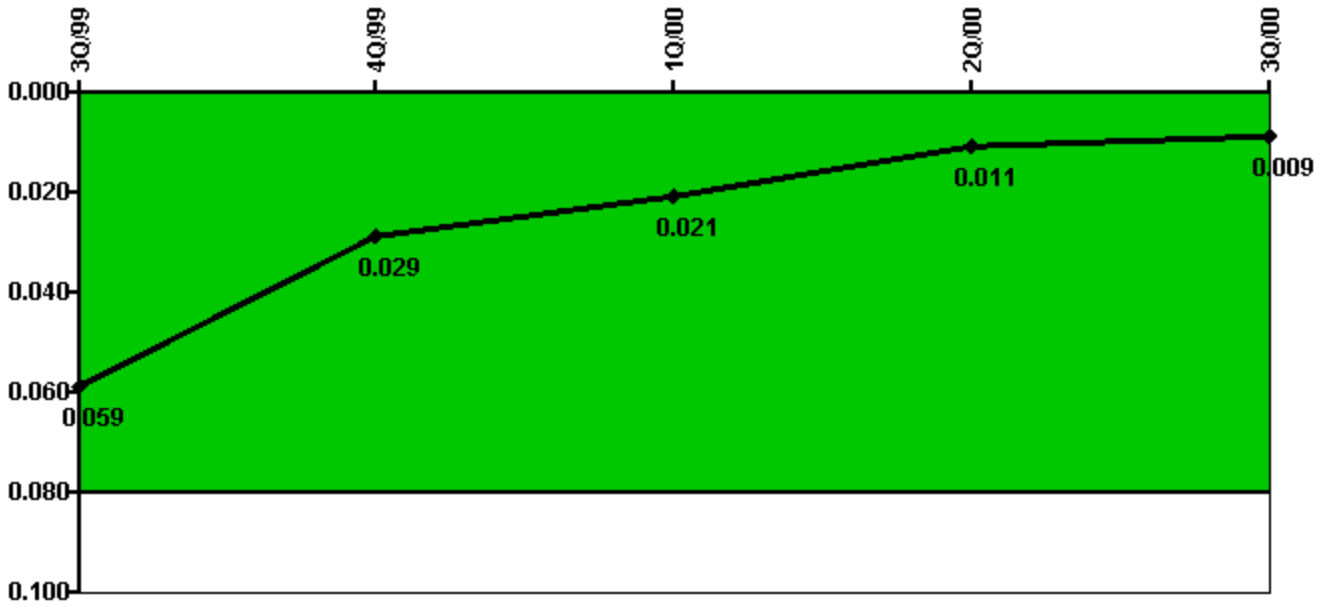
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

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

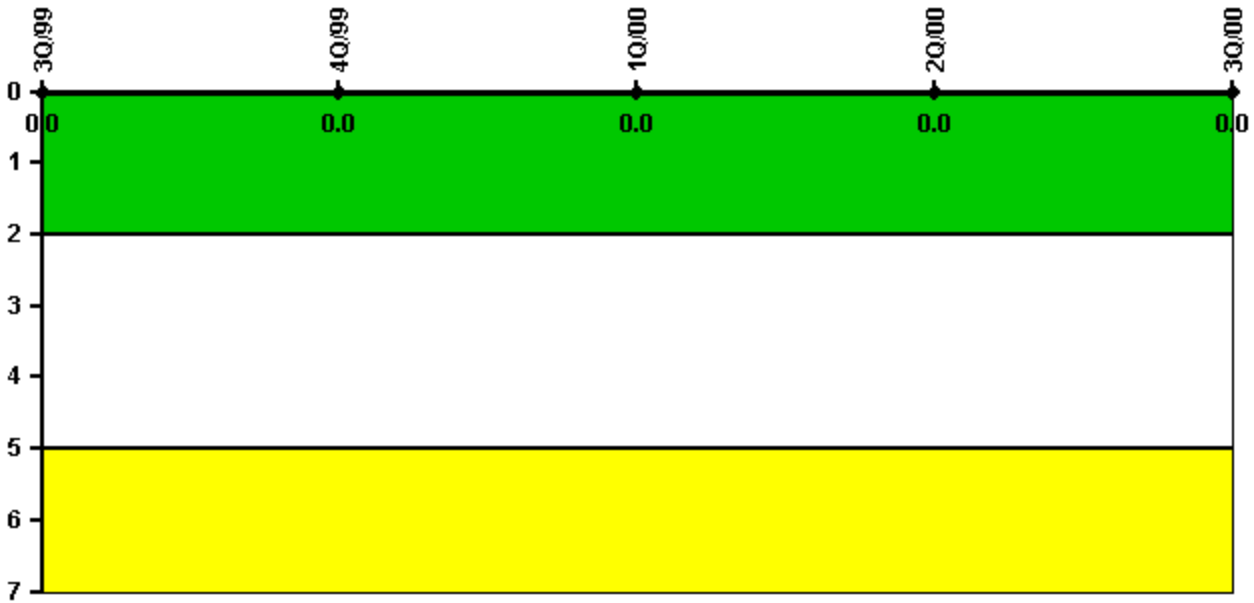
#### Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	47.69	22.10	28.50	82.20	24.32
CCTV compensatory hours	0.6	2.2	0	4.3	1.6
IDS normalization factor	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.059</b>	<b>0.029</b>	<b>0.021</b>	<b>0.011</b>	<b>0.009</b>

Licensee Comments: none



### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

FFD/Personnel Reliability	3Q/99	4Q/99	1Q/00	2Q/00	3Q/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: March 29, 2002