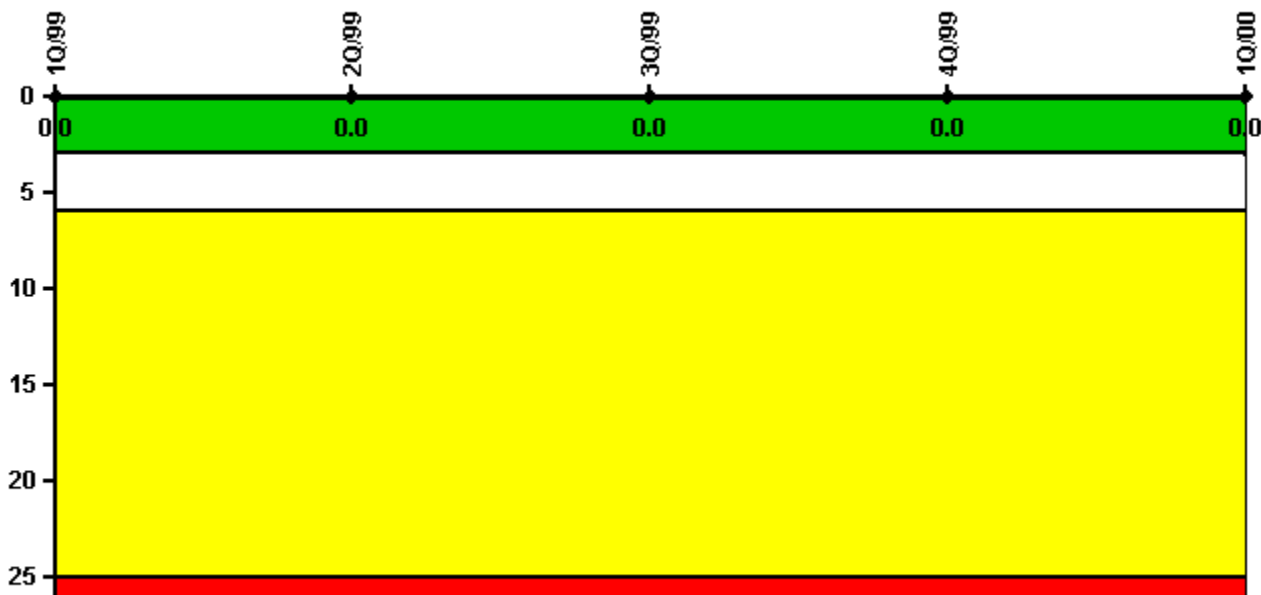


### Kewaunee

#### 1Q/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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2184.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



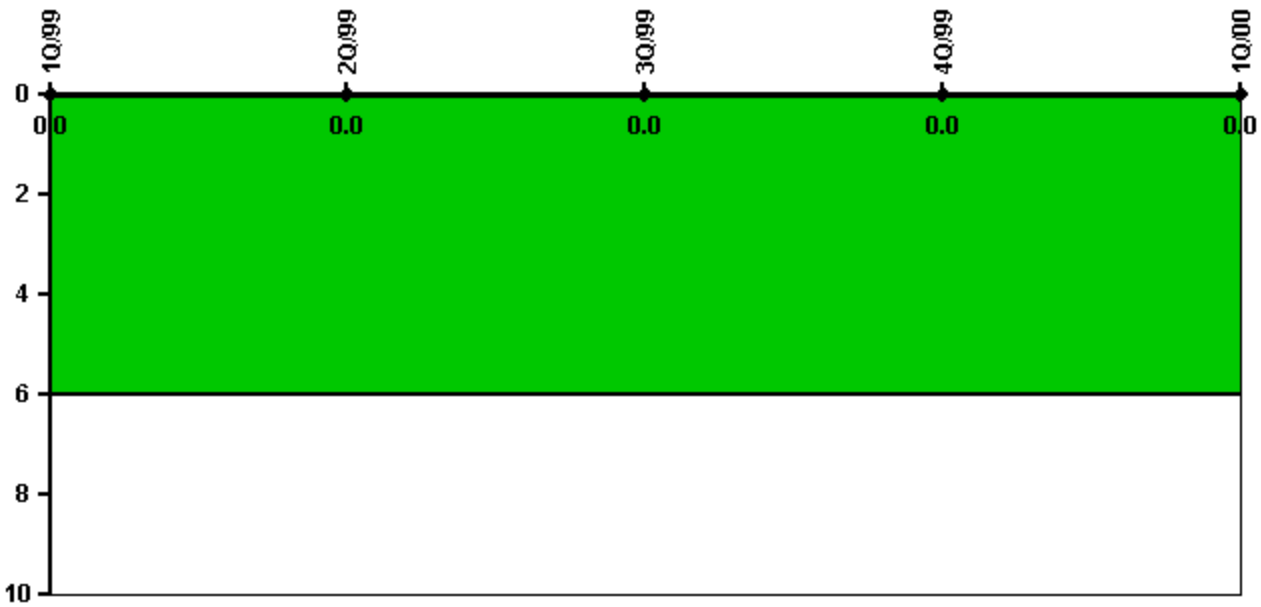
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	1Q/99	2Q/99	3Q/99	4Q/99	1Q/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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2184.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



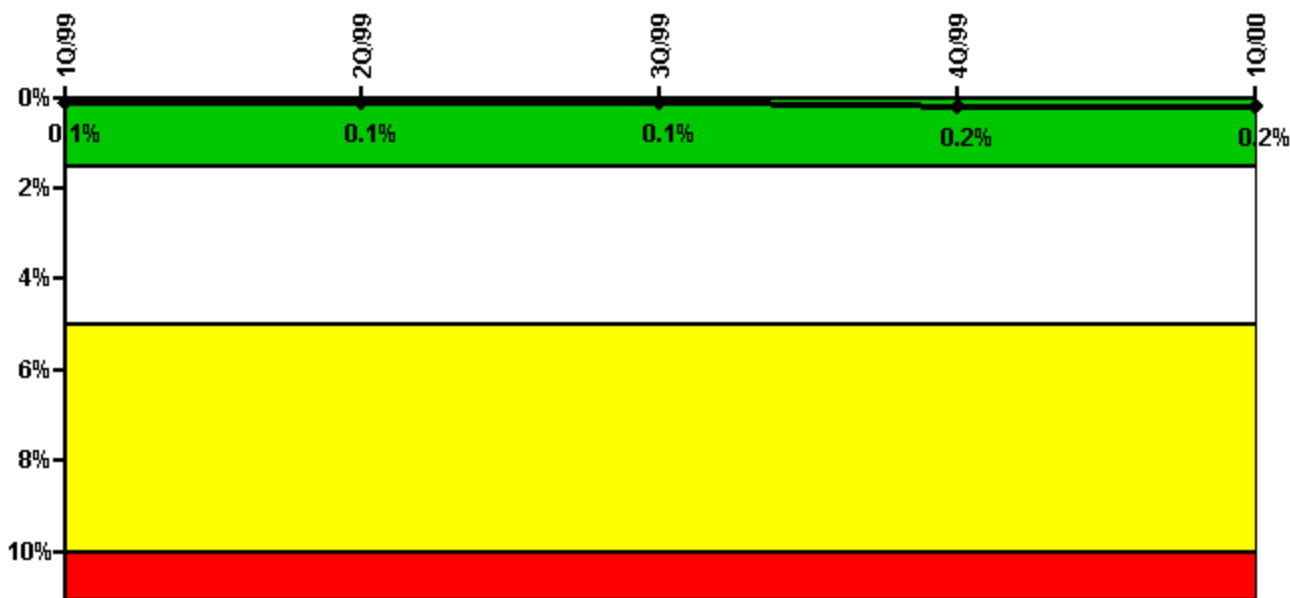
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	25.80	14.10	19.89	22.66	26.91
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	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>					
Planned unavailable hours	18.90	24.20	18.88	17.55	17.66
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	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Indicator value</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.1%</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)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	0.60	0.40	0.53	10.50	22.64
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	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>					
Planned unavailable hours	6.10	1.70	0.65	29.59	2.95
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	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Indicator value</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.2%</b>	<b>0.2%</b>

Licensee Comments:

1Q/00: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

4Q/99: Data correction for December 1999; SI Train "B" unavailability data reflected hours that should not have been counted against SI.

4Q/99: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. An extent of condition was conducted. After analysis, the data for quarters 1/98, 3/98, 1/99, 4/99, 2/00, and 3/00 were revised to reflect minor changes. The changes had little or no affect on the indicator and no thresholds were crossed. Data correction for December 1999; SI Train "B" unavailability data reflected hours that should not have been counted against SI.

4Q/99: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

1Q/99: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. An extent of condition was conducted. After analysis, the data for quarters 1/98, 3/98, 1/99, 4/99, 2/00, and 3/00 were revised to reflect minor

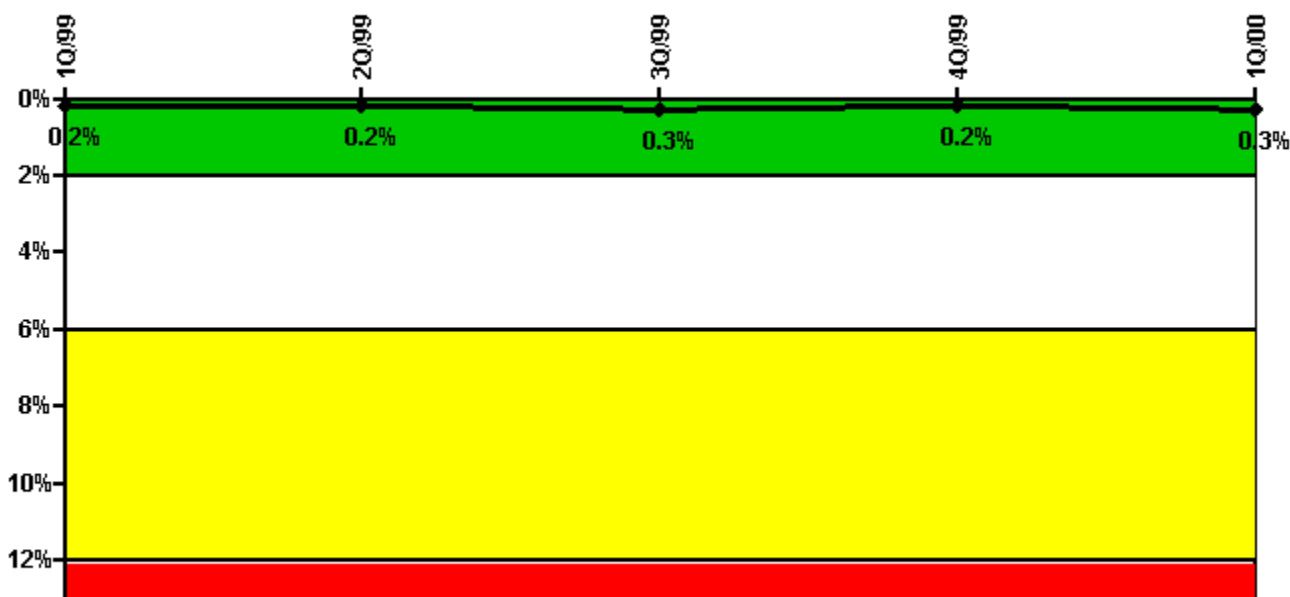
changes. The changes had little or no affect on the indicator and no thresholds were crossed.

3Q/98: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. An extent of condition was conducted. After analysis, the data for quarters 1/98, 3/98, 1/99, 4/99, 2/00, and 3/00 were revised to reflect minor changes. The changes had little or no affect on the indicator and no thresholds were crossed. 6 hours of planned unavailable hours was inadvertently recorded to Train 1 instead of Train 2.

3Q/98: 6 hours of planned unavailable hours was inadvertently recorded to Train 1 instead of Train 2.

1Q/98: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. An extent of condition was conducted. After analysis, the data for quarters 1/98, 3/98, 1/99, 4/99, 2/00, and 3/00 were revised to reflect minor changes. The changes had little or no affect on the indicator and no thresholds were crossed.

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



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

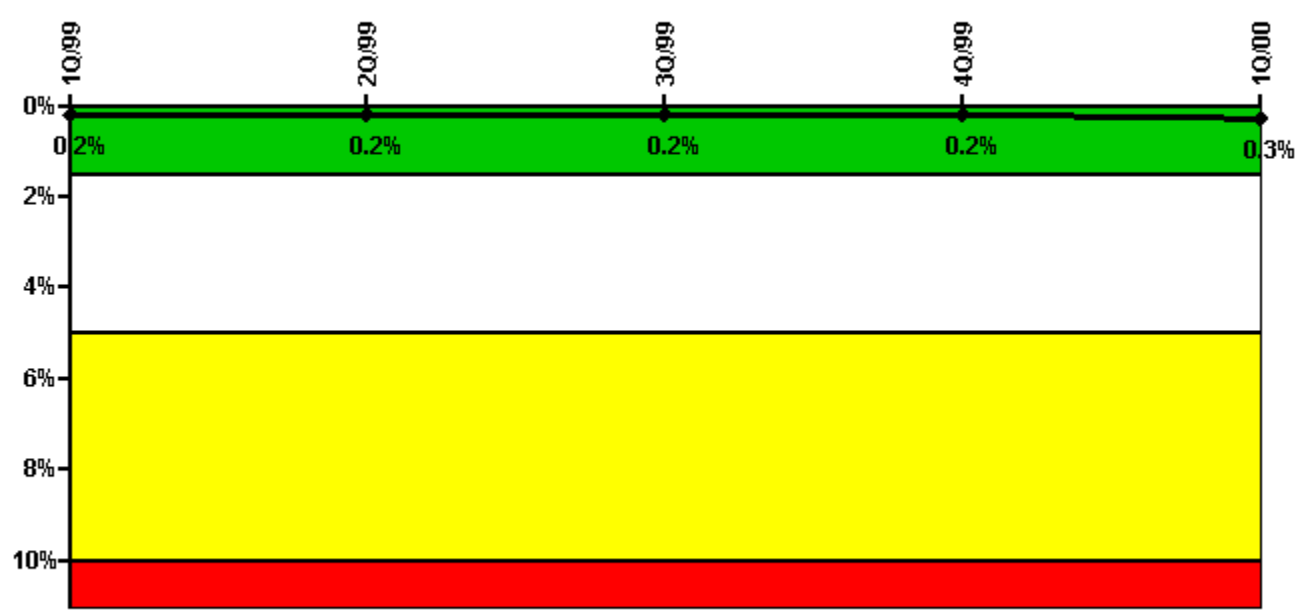
#### Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	1.70	1.70	14.72	2.87	8.29
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	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>					
Planned unavailable hours	1.70	1.10	3.83	6.74	2.25
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	2160.00	2183.00	2208.00	2209.00	2184.00

Train 3					
Planned unavailable hours	17.50	13.30	8.29	3.75	23.18
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	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.2%	0.2%	0.3%	0.2%	0.3%

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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	5.63	4.20	3.69	17.09	24.45
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	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>					
Planned unavailable hours	7.43	2.50	0.75	22.00	24.27
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	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.3%

Licensee Comments:

4Q/99: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

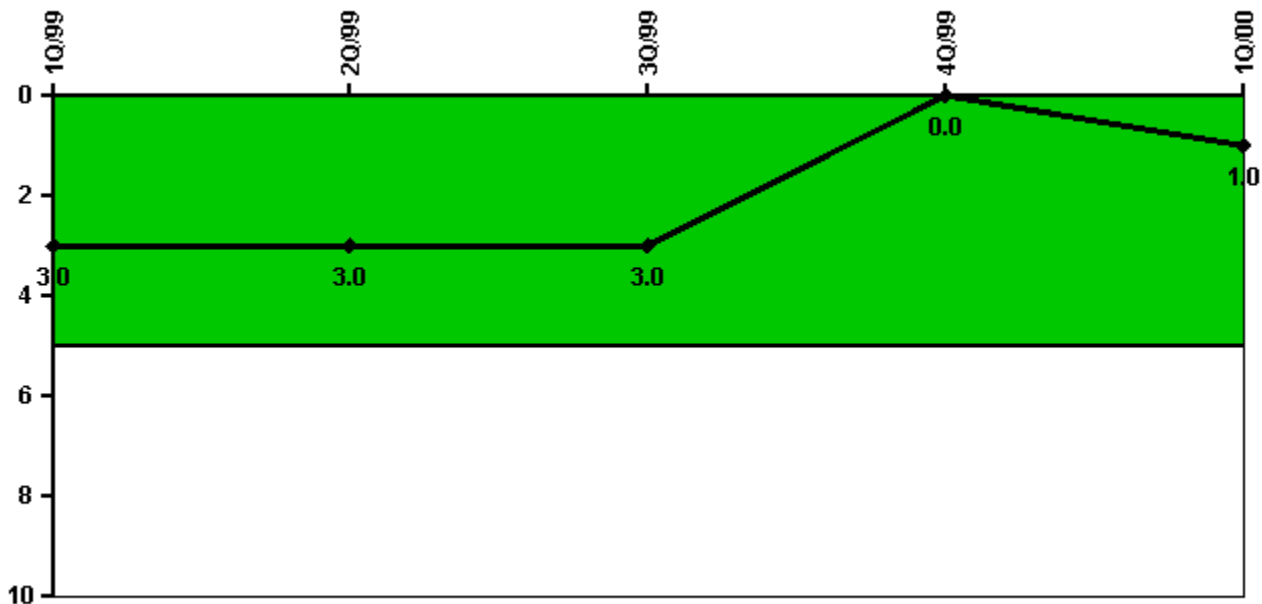
4Q/99: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. After analysis, the data for quarters 2/98, 3/98, 1/99, and 4/99 were revised to reflect minor changes. The changes had little or no affect on the indicator and no thresholds were crossed.

1Q/99: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. After analysis, the data for quarters 2/98, 3/98, 1/99, and 4/99 were revised to reflect minor changes. The changes had little or no affect on the indicator and no thresholds were crossed.

3Q/98: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. After analysis, the data for quarters 2/98, 3/98, 1/99, and 4/99 were revised to reflect minor changes. The changes had little or no affect on the indicator and no thresholds were crossed.

2Q/98: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. After analysis, the data for quarters 2/98, 3/98, 1/99, and 4/99 were revised to reflect minor changes. The changes had little or no affect on the indicator and no thresholds were crossed.

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

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



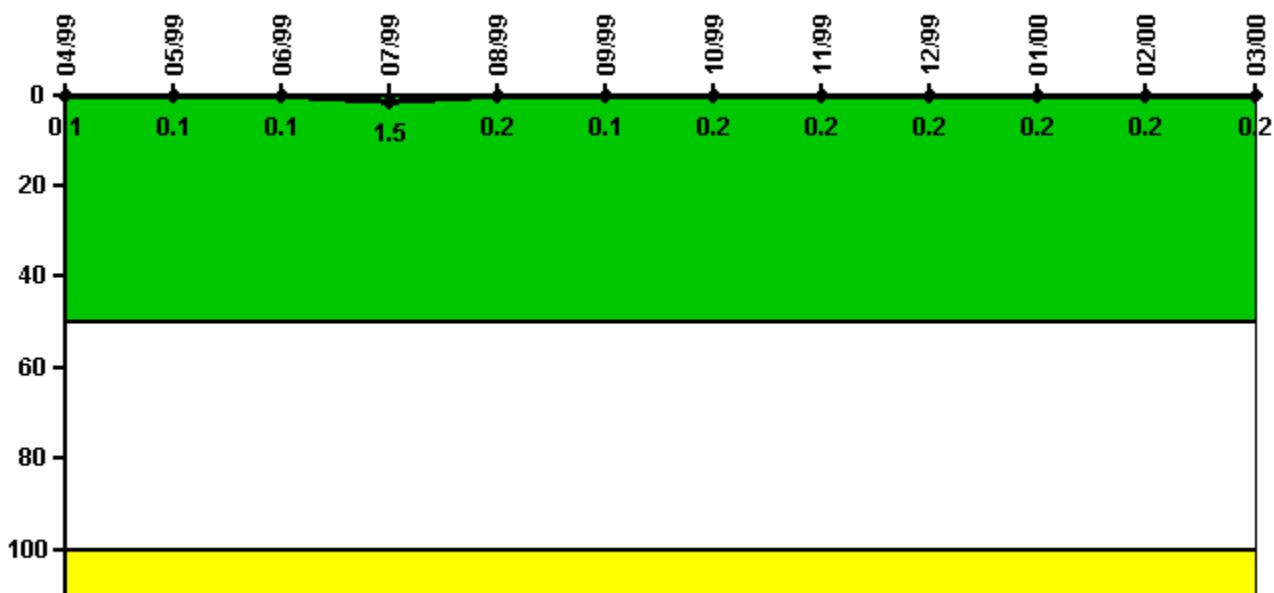
Indicator value	3	3	3	0	1
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Licensee Comments:

4Q/98: Added SSFF that was mistakenly reported in 3rd Quarter. Deleted from 3rd Quarter. This change did not cause a change in indicator color.

3Q/98: Removed SSFI from September--should have been reported in October which is 4th Quarter

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

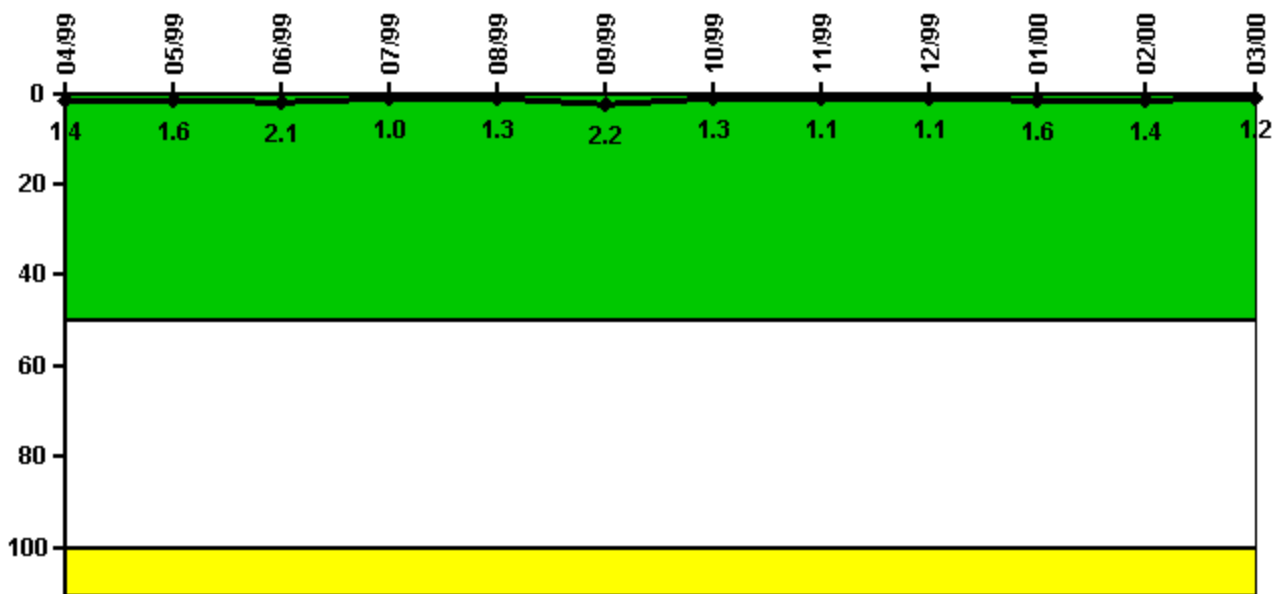
### Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000269	0.000278	0.000262	0.003001	0.000306	0.000277	0.000321	0.000320	0.000341	0.000340	0.000347	0.000362
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	0.1	0.1	0.1	1.5	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2

Licensee Comments:

12/99: Corrected Tech Spec Limit--from .02 to .2

### Reactor Coolant System Leakage



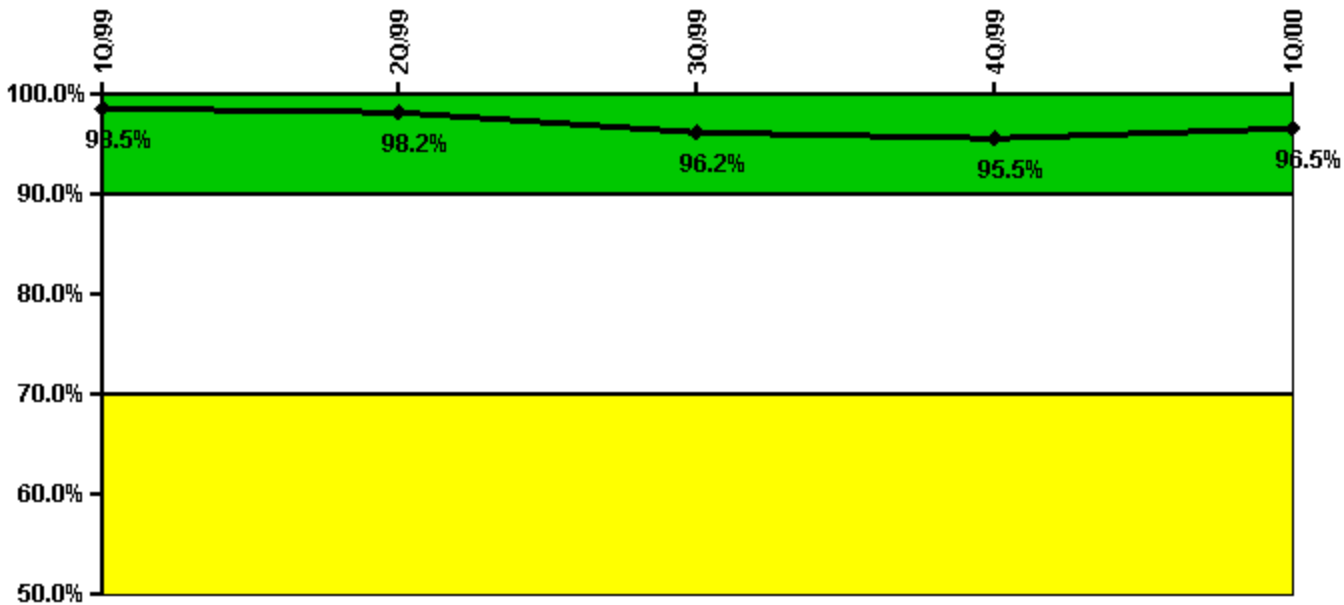
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	0.135	0.165	0.210	0.099	0.127	0.216	0.133	0.111	0.107	0.162	0.145	0.118
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	1.4	1.6	2.1	1.0	1.3	2.2	1.3	1.1	1.1	1.6	1.4	1.2

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	6.0	20.0	4.0	5.0	42.0
Total opportunities	6.0	20.0	6.0	6.0	42.0
Indicator value	98.5%	98.2%	96.2%	95.5%	96.5%

#### Licensee Comments:

1Q/00: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

4Q/99: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

4Q/99: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

3Q/99: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

3Q/99: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

2Q/99: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

2Q/99: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

1Q/99: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

3Q/98: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

3Q/98: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

2Q/98: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

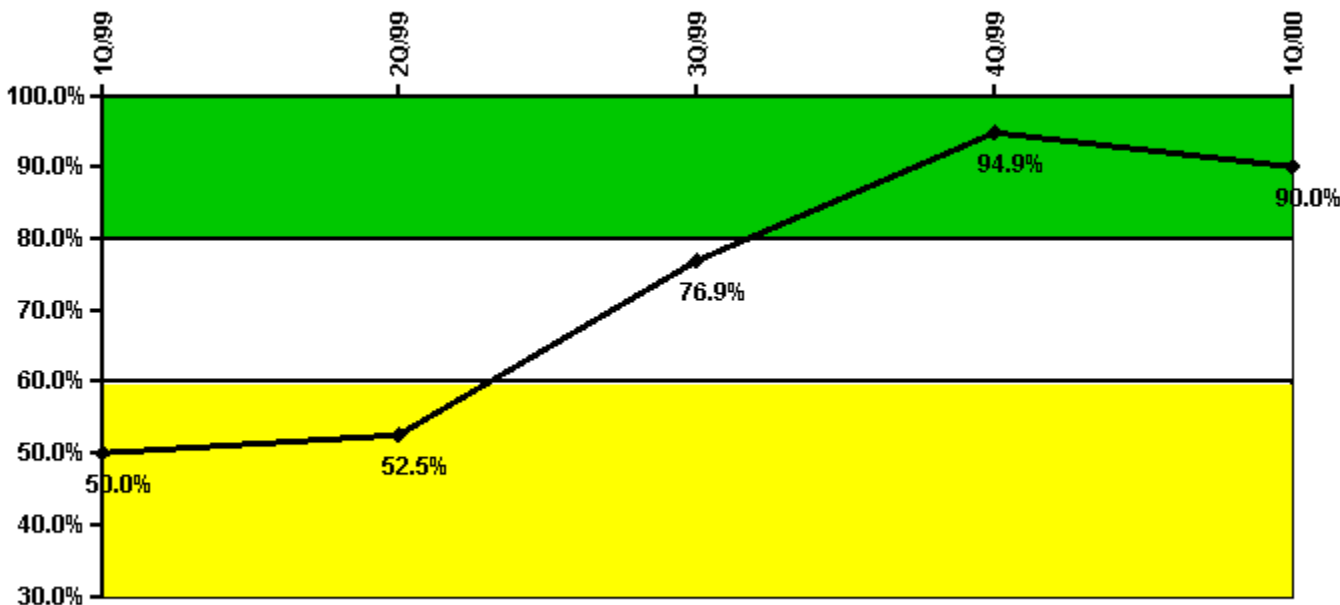
2Q/98: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

1Q/98: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

1Q/98: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

2Q/97: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in the trend of the indicator and it remained in the "green" zone.

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

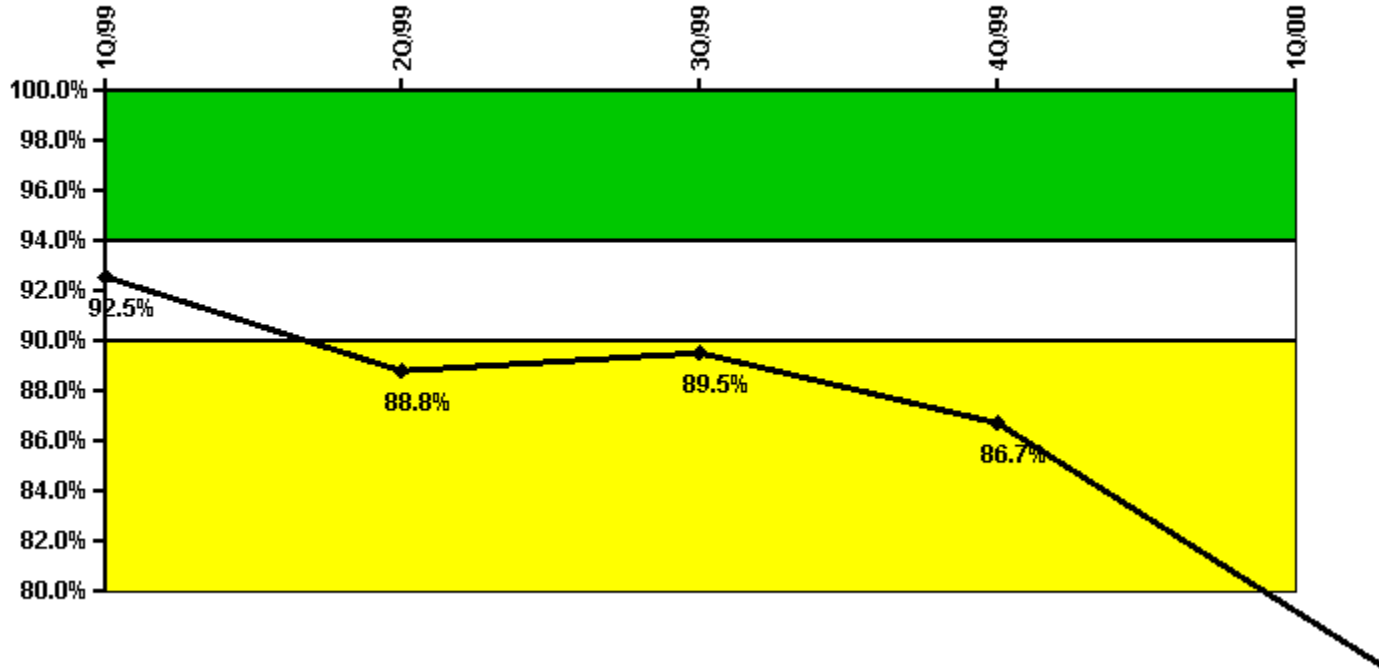
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ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel	20.0	21.0	30.0	37.0	36.0
Total Key personnel	40.0	40.0	39.0	39.0	40.0
<b>Indicator value</b>	<b>50.0%</b>	<b>52.5%</b>	<b>76.9%</b>	<b>94.9%</b>	<b>90.0%</b>

Licensee Comments:

4Q/99: Verifiable participation data was available starting in early 1997. Due to a lack of data prior to 1997, early indicators are colors other than green. Because of the scheduling of drills, exercises, and simulator dynamics during the year, the documentation of individual participation took some time to catch up with the number of individuals that need to be tracked. Changes in the method of documenting participation data in the future will keep this performance indicator in the green band.

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	75	60	67	65	52
Total sirens-tests	78	75	77	78	78
<b>Indicator value</b>	<b>92.5%</b>	<b>88.8%</b>	<b>89.5%</b>	<b>86.7%</b>	<b>79.2%</b>

Licensee Comments:

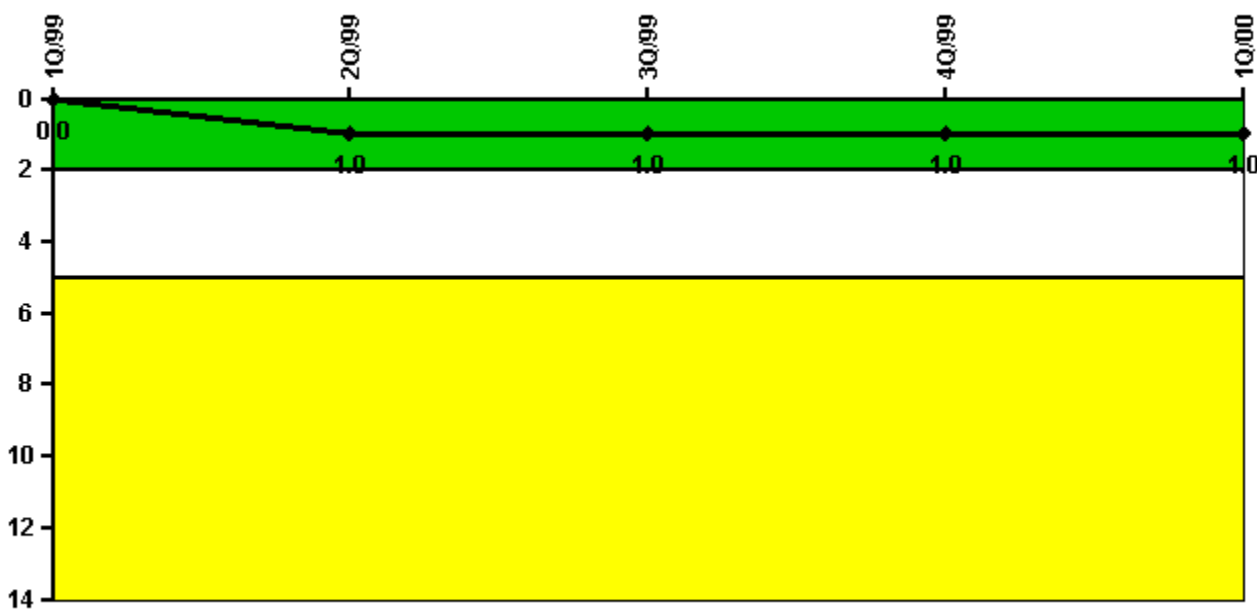
1Q/00: This data represents approximately half of the sirens in the Emergency Planning Zone around the Kewaunee Nuclear Power Plant (KNPP). To gain a complete picture of siren availability for KNPP, one must also look at the ANS performance indicator for the Point Beach Nuclear Plant. Installation of the new siren activation and feedback system was completed on February 28, 2000.

4Q/98: Errors discovered--these errors generated performance indicator data that is better than previously presented without affecting the "yellow" condition that currently exists.

3Q/98: Errors discovered--these errors generate performance indicator data that is better than previously presented without affecting the "yellow" condition that currently exists.

2Q/98: Errors were discovered--these errors generate performance indicator data that is better than previously presented without affecting the "yellow" condition that currently exists.

### Occupational Exposure Control Effectiveness



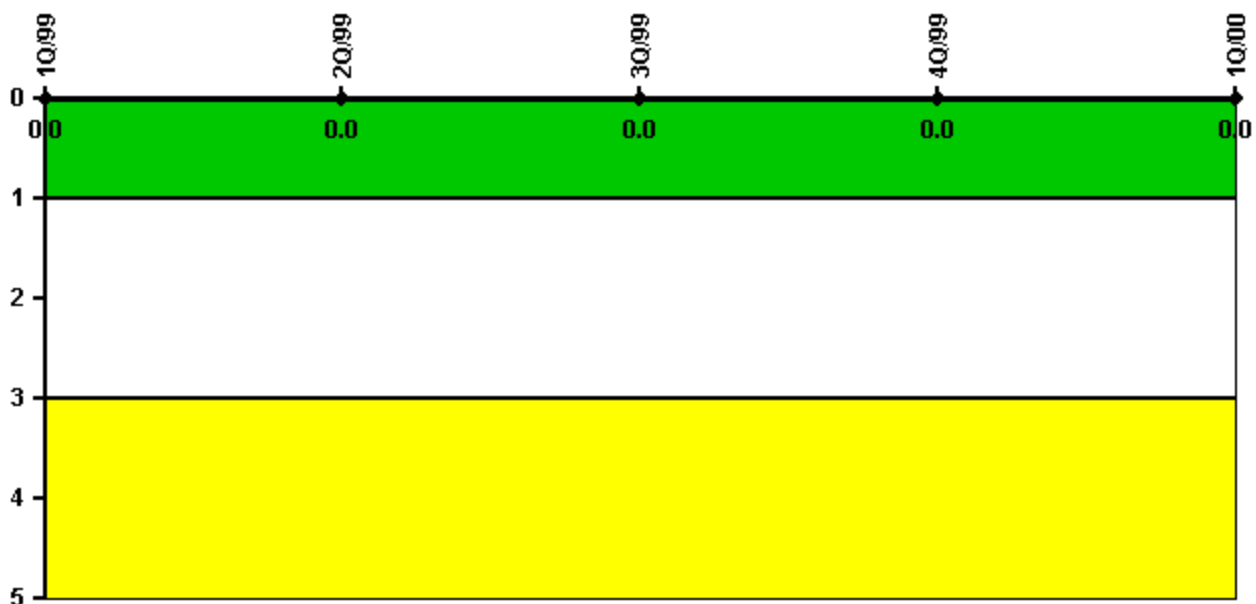
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
High radiation area occurrences	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



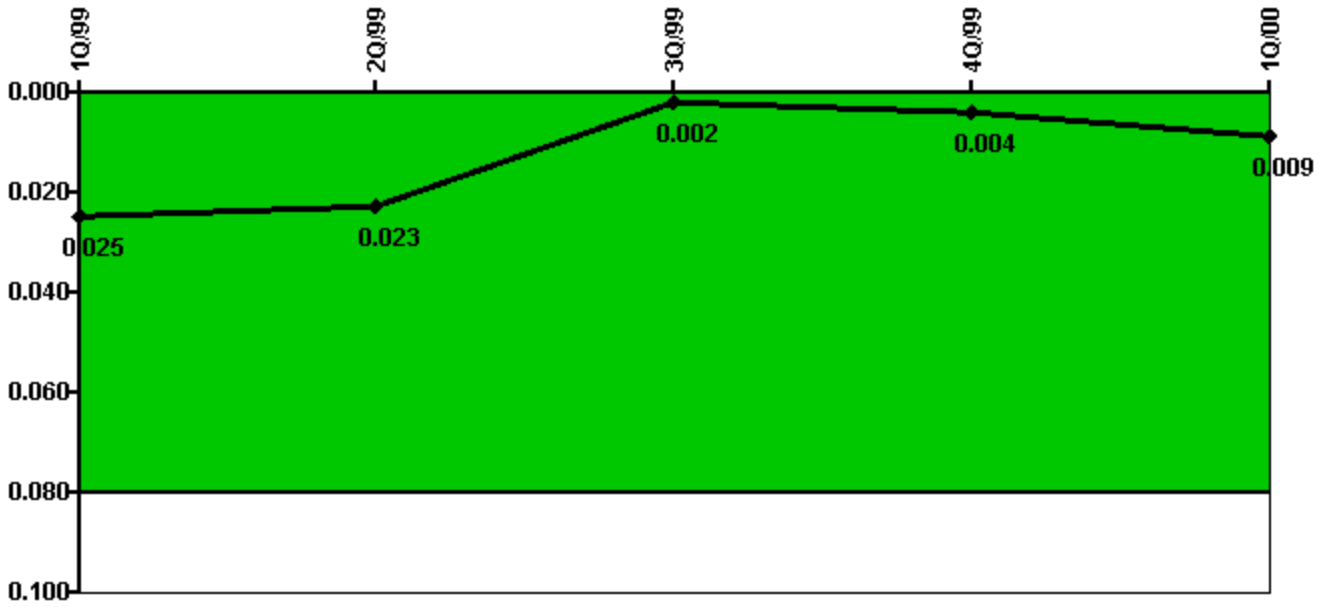
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

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

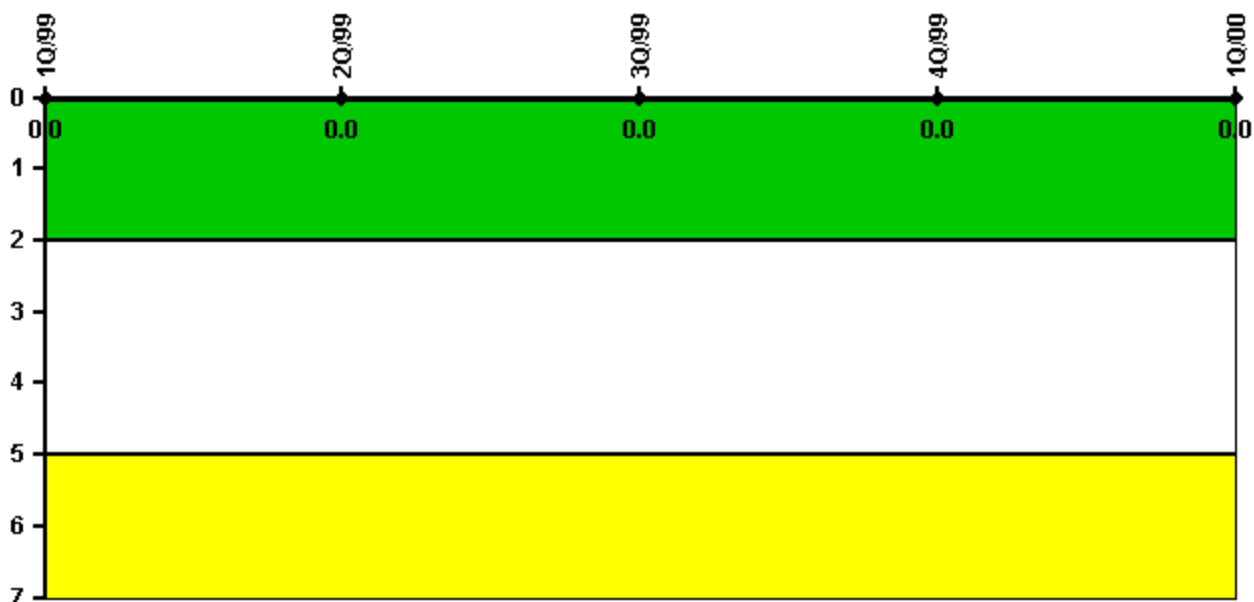
#### Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	0.08	13.17	3.05	26.00	56.50
CCTV compensatory hours	0	0	0	33.5	20.0
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>0.025</b>	<b>0.023</b>	<b>0.002</b>	<b>0.004</b>	<b>0.009</b>

Licensee Comments: none



### Personnel Screening Program



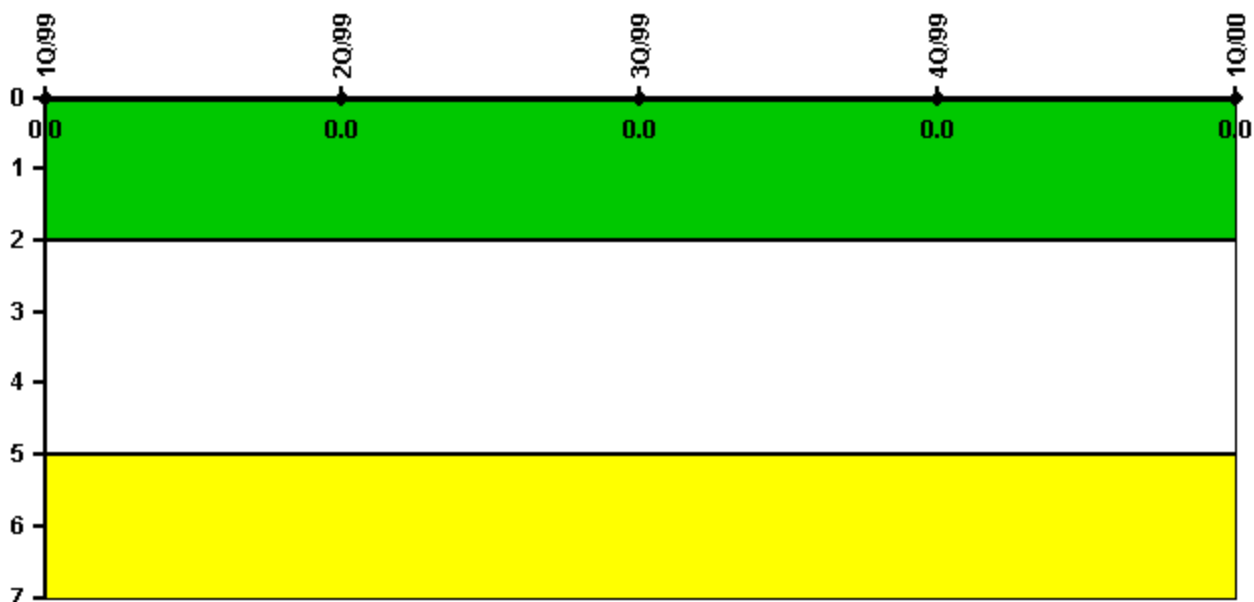
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

Licensee Comments: none

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Last Modified: April 1, 2002