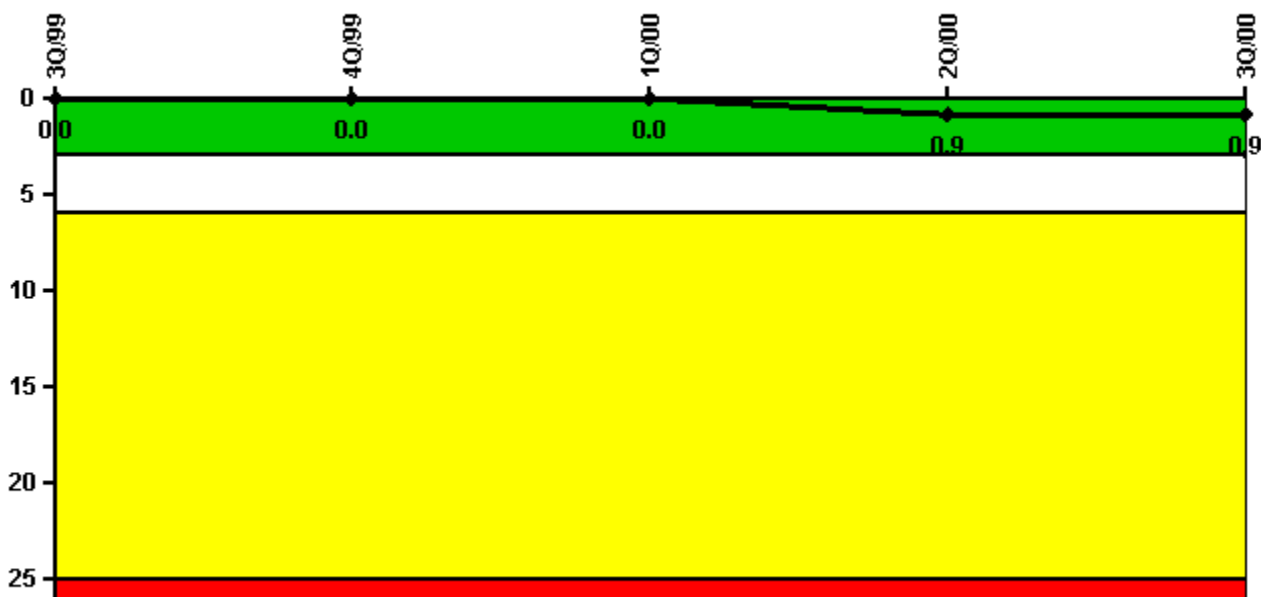


Kewaunee

3Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



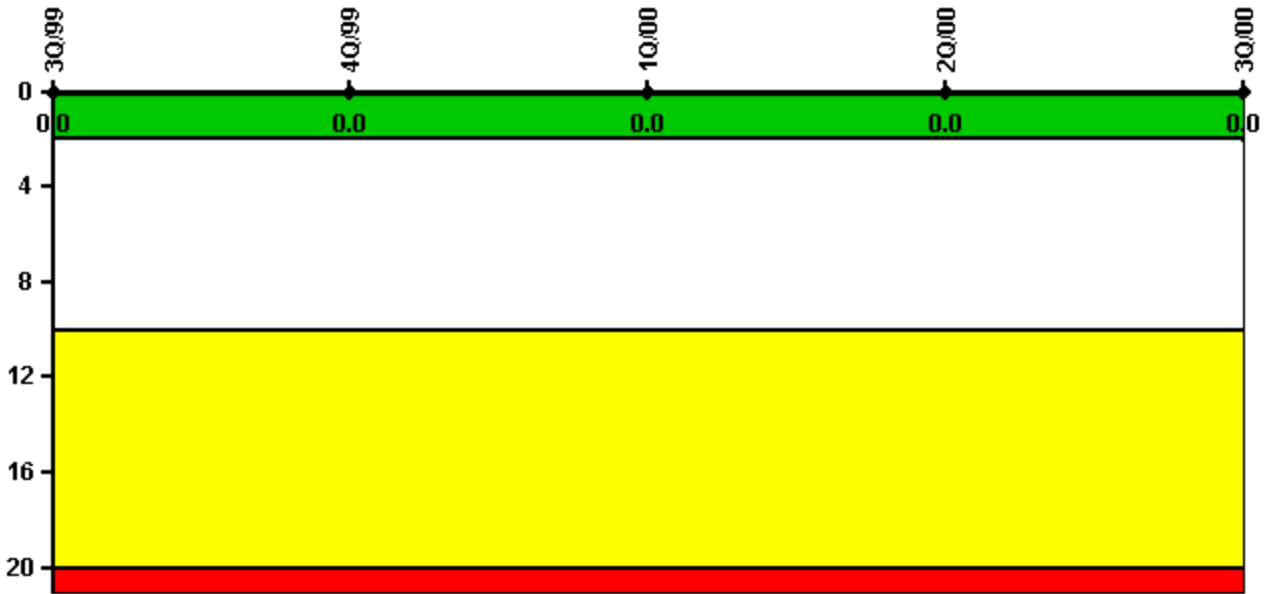
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2184.0	1202.3	2208.0
Indicator value	0	0	0	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



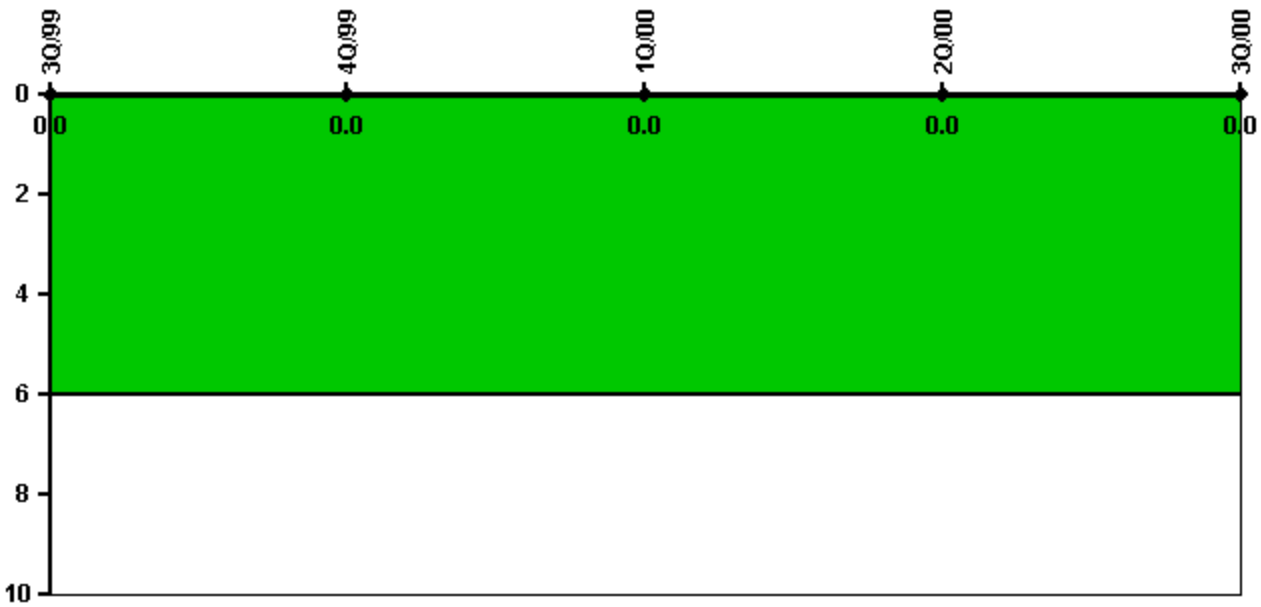
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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



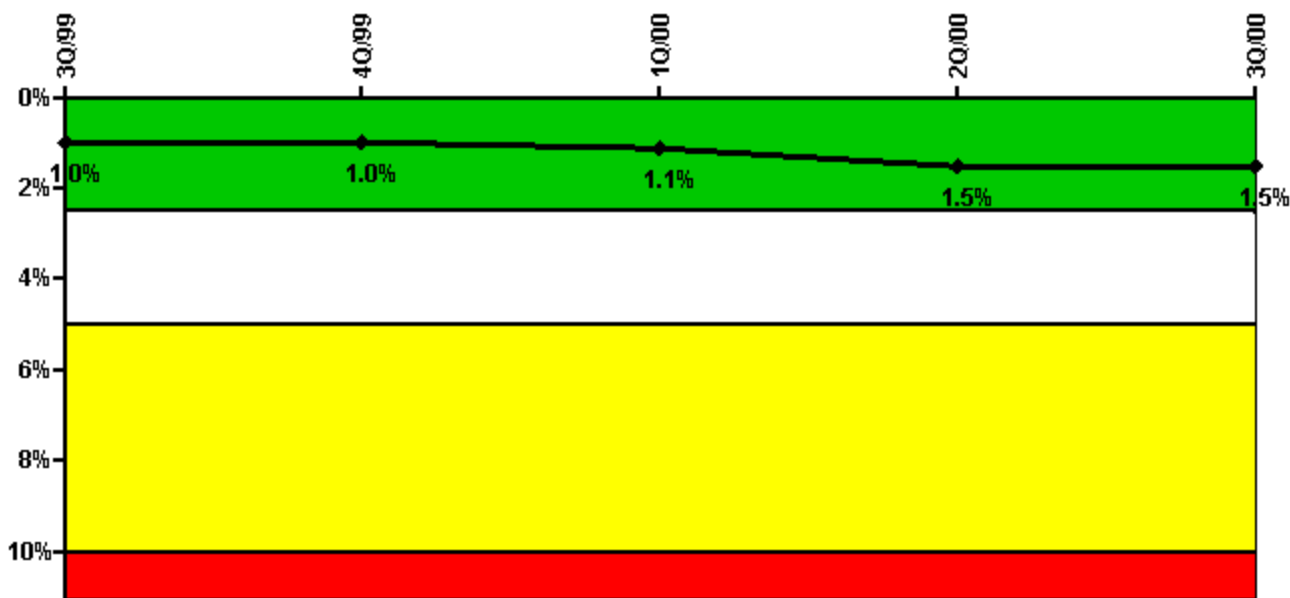
Thresholds: White > 6.0

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	1202.3	2208.0
Indicator value	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

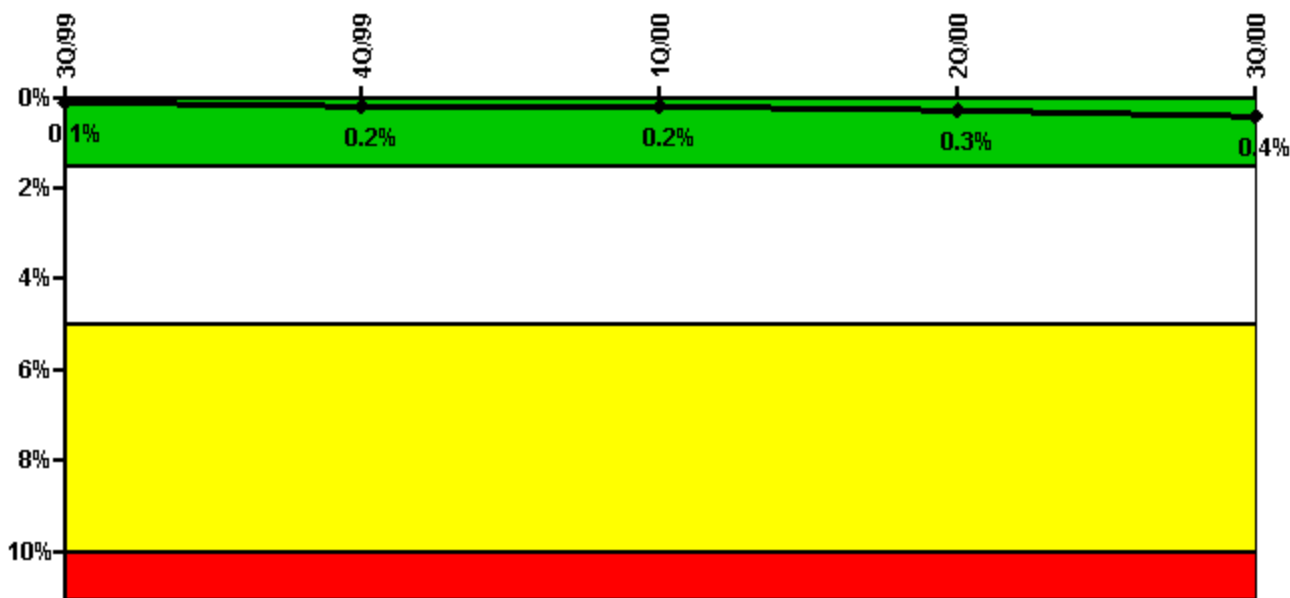
Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	19.89	22.66	26.91	106.24	37.00
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	124.50	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	18.88	17.55	17.66	15.93	33.55
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	1.0%	1.0%	1.1%	1.5%	1.5%

Licensee Comments:

2Q/00: Review of equipment failure determined 124.5 hours of fault exposure should be applied to 2nd quarter 2000 data.

2Q/00: Revised after reviewing the refueling outage activities. Changes did not result in a change to indicator 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)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0.53	10.50	22.64	44.70	27.46
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	1202.30	2208.00
Train 2					
Planned unavailable hours	0.65	29.59	2.95	4.96	31.75
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	1202.30	2208.00
Indicator value	0.1%	0.2%	0.2%	0.3%	0.4%

Licensee Comments:

3Q/00: 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.

2Q/00: Revised after reviewing the refueling outage activities. The changes did not result in a change to the indicator color.

2Q/00: 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. Revised after reviewing the refueling outage activities. The changes did not result in a change to the indicator color.

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: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

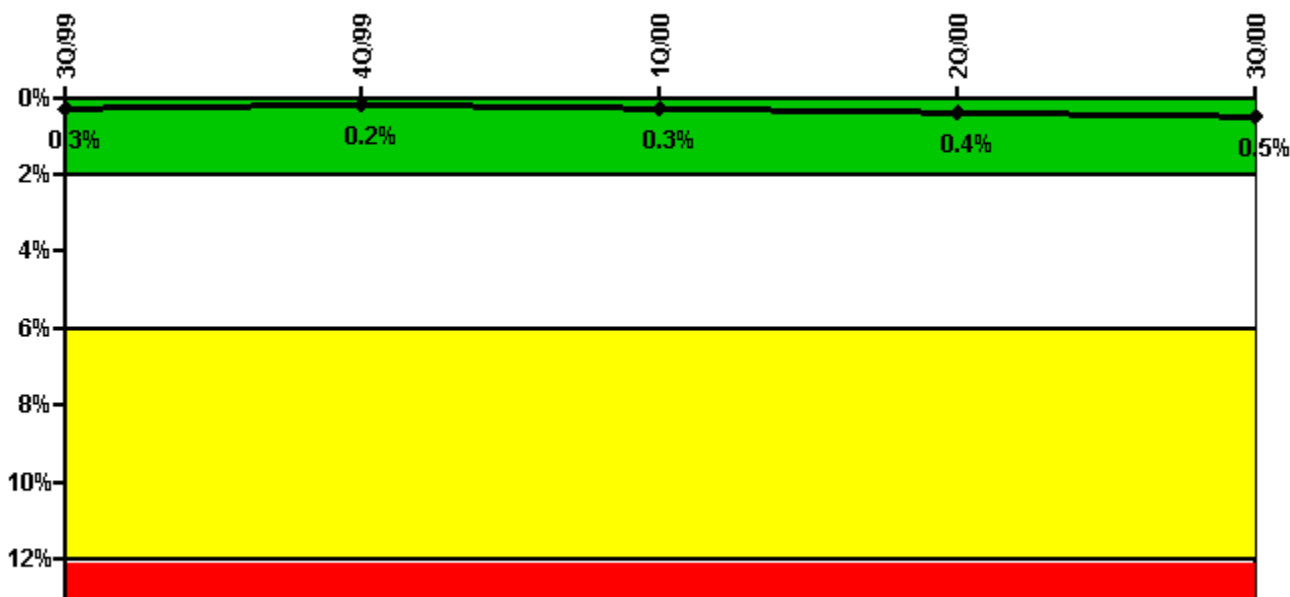
4Q/99: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. An extent of condition was conducted. After analysis, the data for quarters 1/98, 3/98, 1/99, 4/99, 2/00, and 3/00 were revised to reflect minor changes. The changes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

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.

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)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	14.72	2.87	8.29	51.27	9.06
Unplanned unavailable hours	0	0	0	0	5.92
Fault exposure hours	0	0	0	0	0

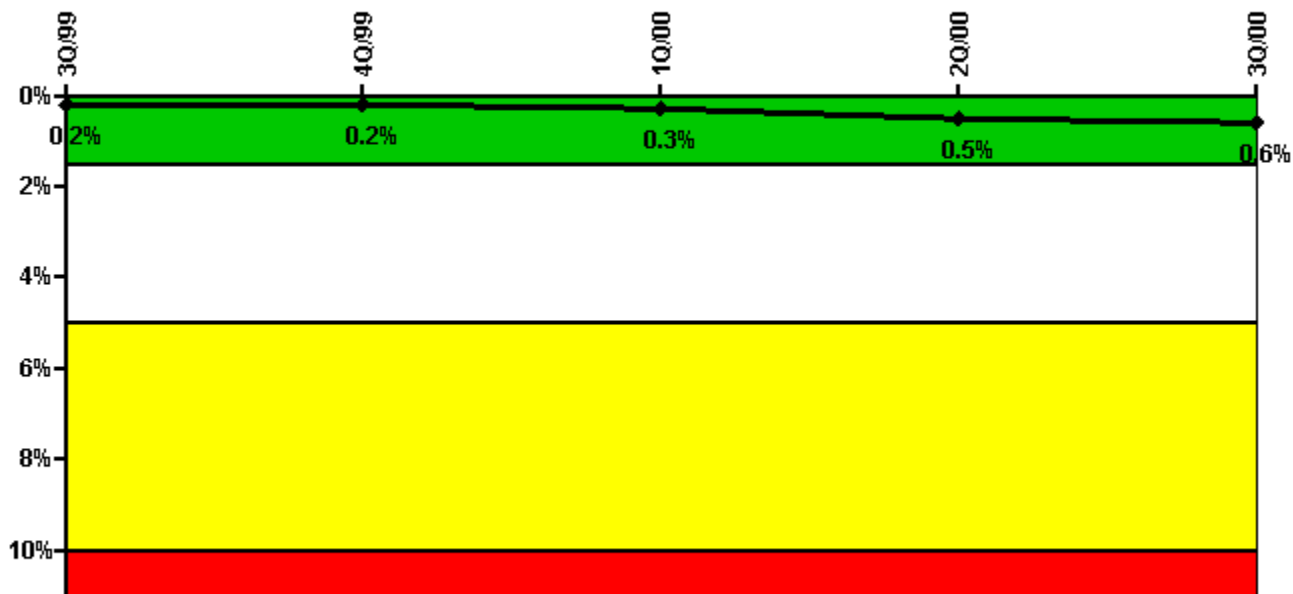
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1202.30	2208.00
Train 2					
Planned unavailable hours	3.83	6.74	2.25	18.45	13.40
Unplanned unavailable hours	0	0	0	0	8.57
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1202.30	2208.00
Train 3					
Planned unavailable hours	8.29	3.75	23.18	17.21	1.23
Unplanned unavailable hours	0	0	0	0	21.82
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1202.30	2208.00
Indicator value	0.3%	0.2%	0.3%	0.4%	0.5%

Licensee Comments:

3Q/00: In August, the calculation for unplanned unavailable hours for Train 3 was inaccurate. The data has been updated and indicator remains GREEN.

2Q/00: Revised after reviewing the refueling outage activities. These changes did not result in an indicator color change.

Safety System Unavailability, Residual Heat Removal System



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

Notes

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Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	3.69	17.09	24.45	94.71	28.44
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
Train 2					
Planned unavailable hours	0.75	22.00	24.27	5.94	32.50
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	0.2%	0.2%	0.3%	0.5%	0.6%

Licensee Comments:

2Q/00: Revised after reviewing refueling outage activities. These changes did not result in a change to the indicator color.

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.

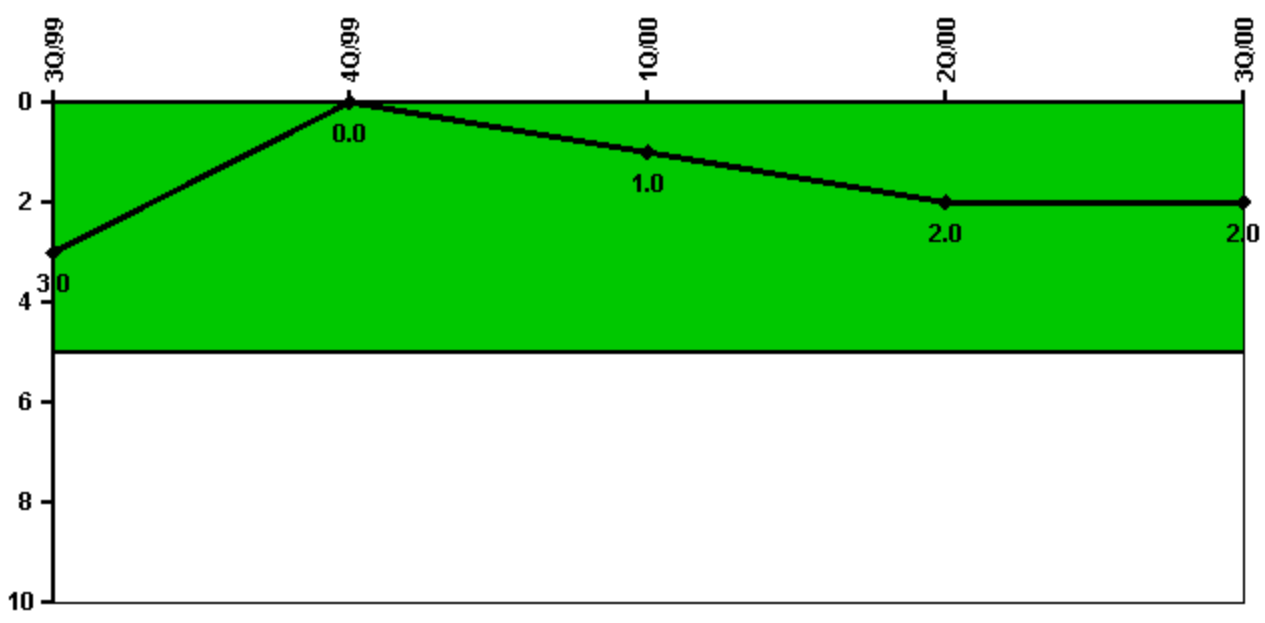
4Q/99: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

1Q/99: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. 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)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	0	0	1	1	0
Indicator value	3	0	1	2	2

Licensee Comments:

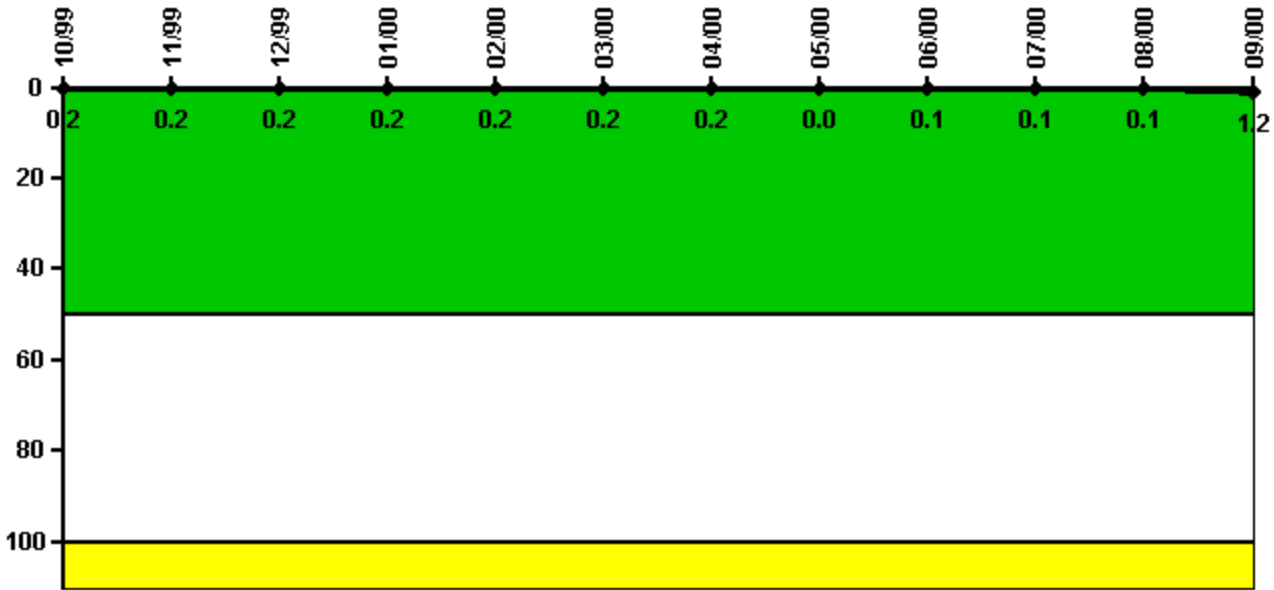
3Q/00: Continued evaluation of one of the SSFFs included in the indicator value (LER 2000-014-00) has resulted in a green finding and was determined not to be an SSFF. Additional analysis demonstrated that the equipment was operable. Therefore, the indicator has been changed to reflect the removal of LER 2000-014-00 from the 4th Quarter 2000 data.

2Q/00: Missed SSFF for 2nd Quarter. This change did not result in a change to the indicator color.

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

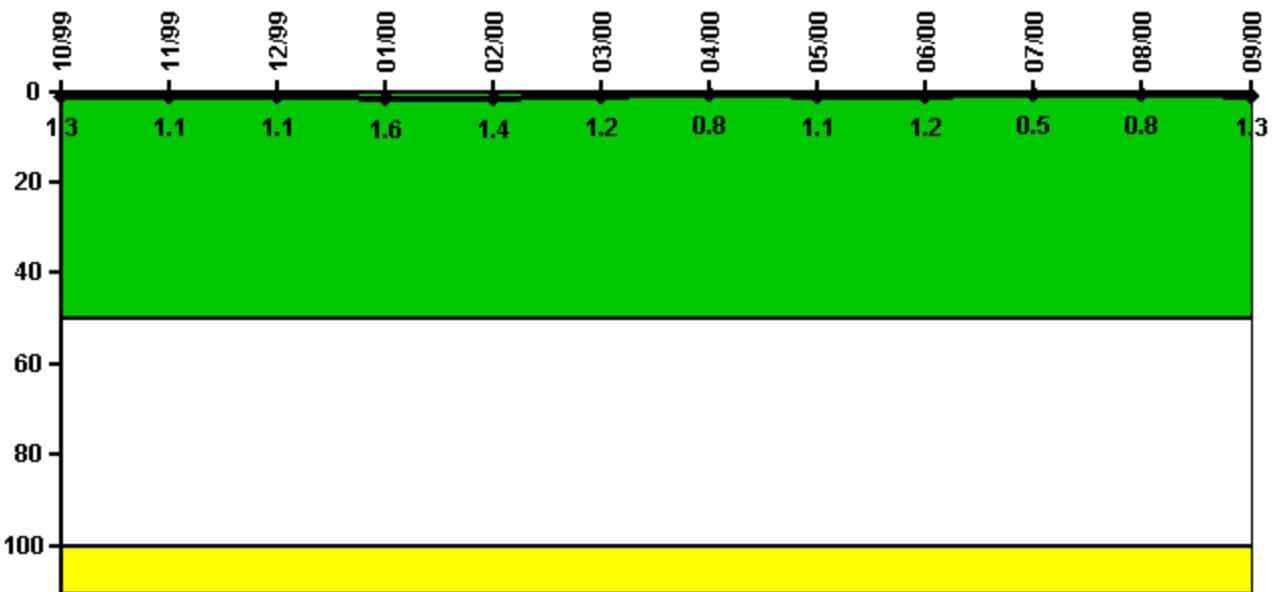
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000321	0.000320	0.000341	0.000340	0.000347	0.000362	0.000386	0	0.000207	0.000209	0.000231	0.002411
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0.1	0.1	0.1	1.2

Licensee Comments:

9/00: Revised September value from .0004544 to 0.002411. Chemistry data was unknowingly used prior to verification and later found to be incorrect.

6/00: May 2000 refueling outage

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

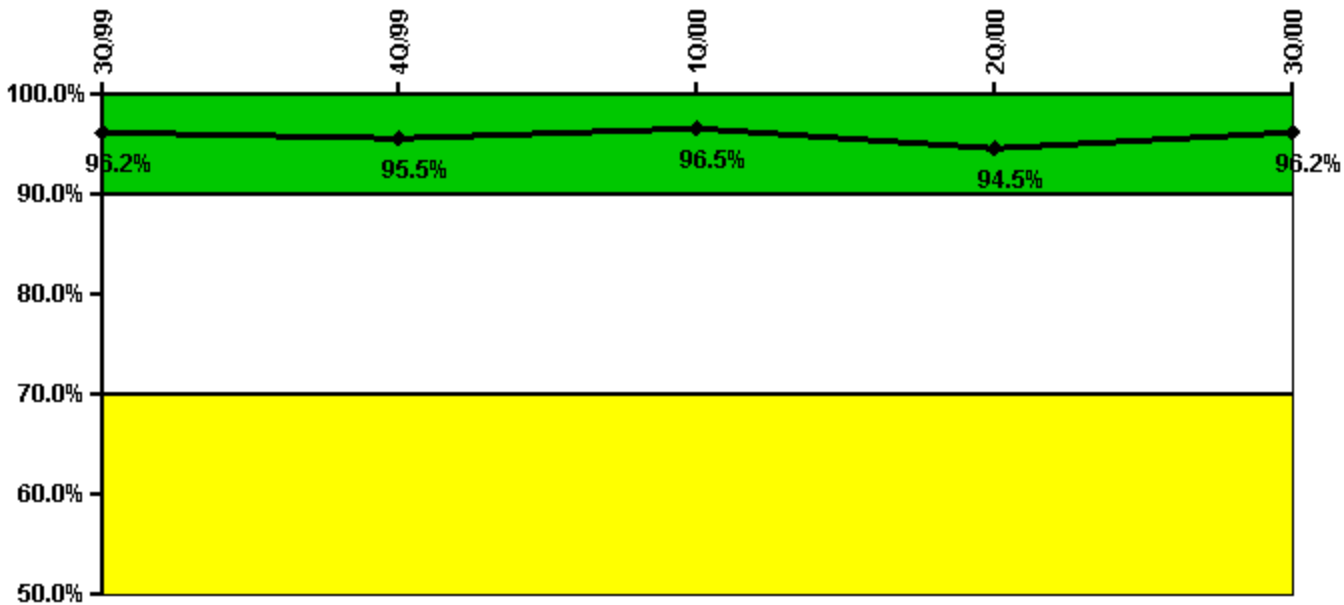
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.133	0.111	0.107	0.162	0.145	0.118	0.081	0.112	0.115	0.047	0.078	0.134
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	1.1	1.1	1.6	1.4	1.2	0.8	1.1	1.2	0.5	0.8	1.3

Licensee Comments:

6/00: May 2000 refueling outage--data correction for May 2000, one data sample not included in original review. Revised May 2000 value from 0 to 0.1124.

6/00: May 2000 refueling outage--data correction for May 2000, one data sample not included in original review. Revised May 2000 value from 0 to 0.1124.

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	4.0	5.0	42.0	23.0	0
Total opportunities	6.0	6.0	42.0	24.0	0
Indicator value	96.2%	95.5%	96.5%	94.5%	96.2%

Licensee Comments:

3Q/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.

2Q/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.

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: 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.

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.

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.

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.

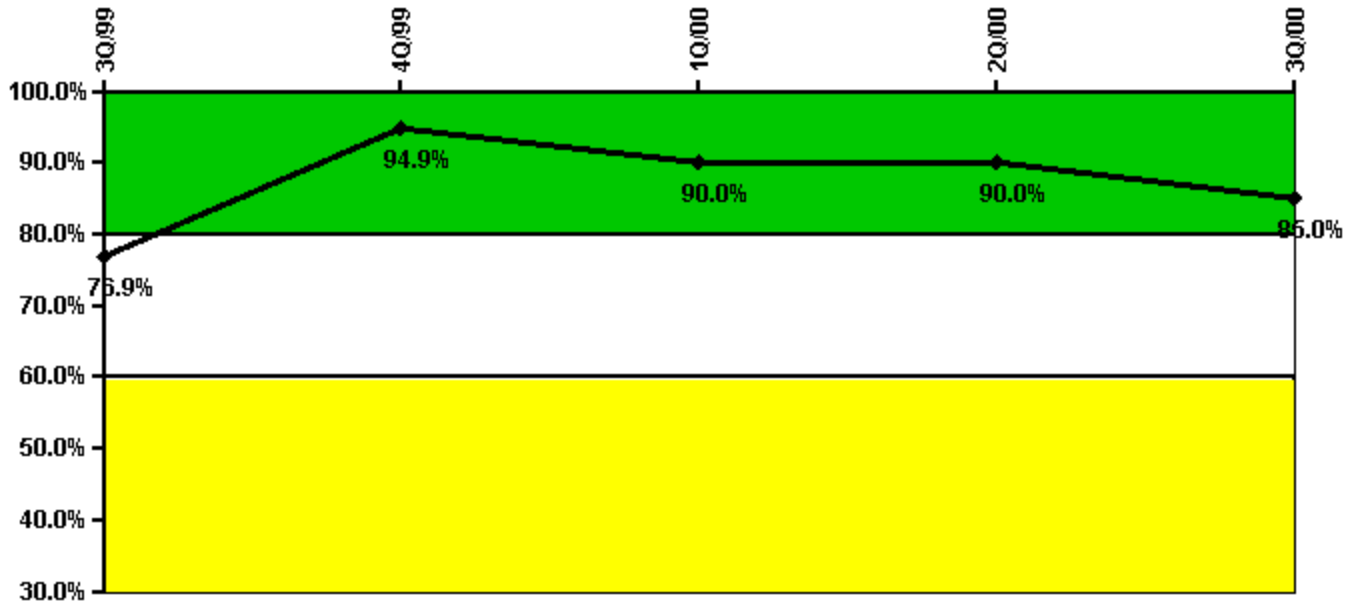
2Q/98: As a result of the August 2000 EP baseline inspection by the NRC, all historical data was reviewed and recalculated to remove all default PAR credit for emergency levels of site emergency or lower. This had an equal impact on the numerator and denominator. Therefore, little change was seen in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

1Q/98: 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.

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%

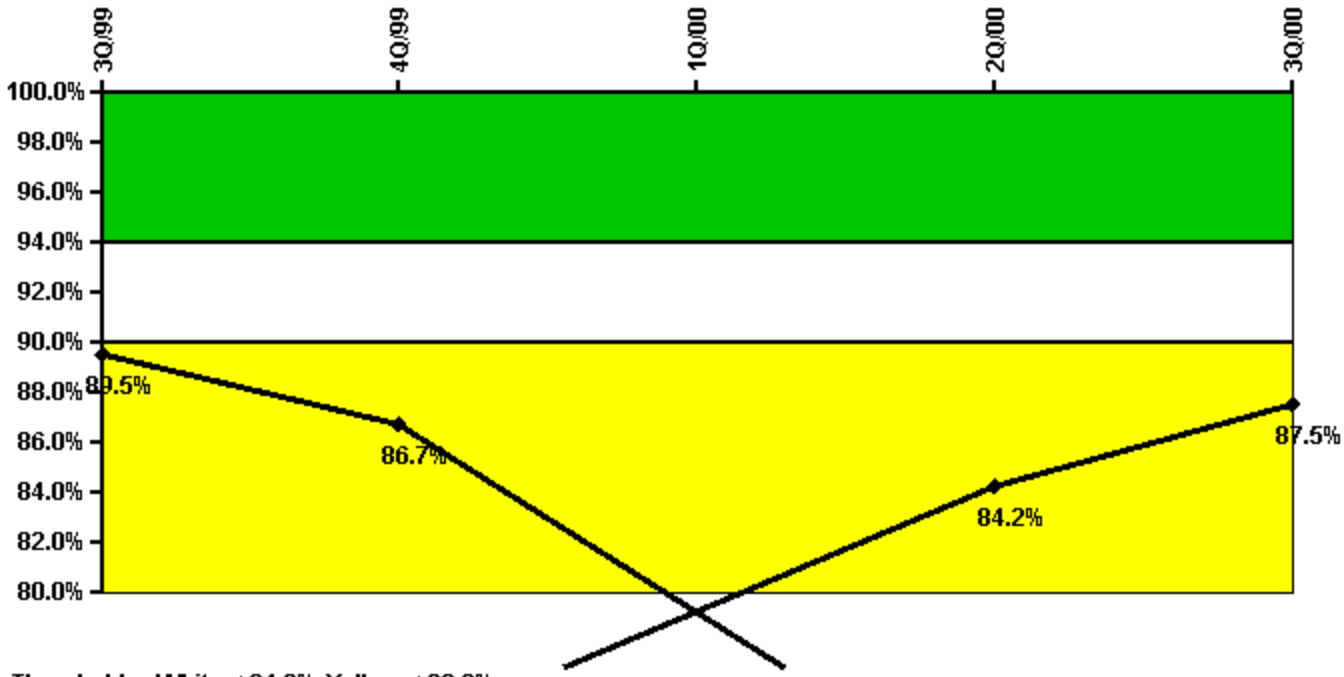
Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	30.0	37.0	36.0	36.0	34.0
Total Key personnel	39.0	39.0	40.0	40.0	40.0
Indicator value	76.9%	94.9%	90.0%	90.0%	85.0%

Licensee Comments:

3Q/00: A facility wide drill is scheduled for November 14, 2000, which will have a significant positive impact on the 4th quarter value of this performance indicator.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

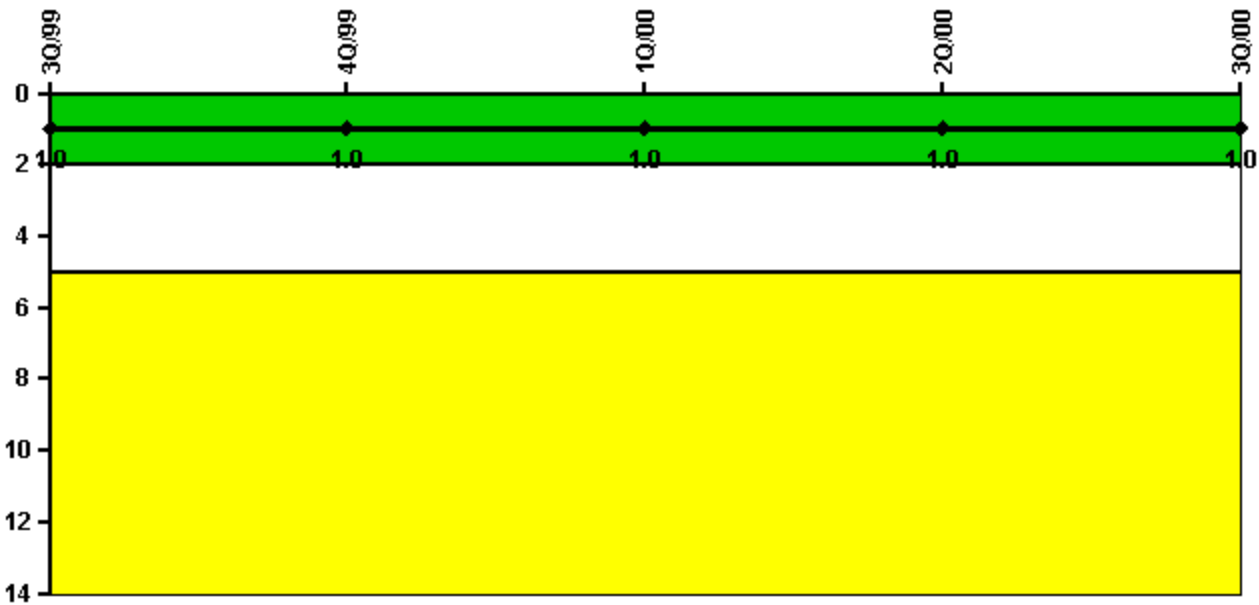
Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	67	65	52	78	78
Total sirens-tests	77	78	78	78	78
Indicator value	89.5%	86.7%	79.2%	84.2%	87.5%

Licensee Comments:

3Q/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. This is the second consecutive quarter of improved performance. If the current trend in test results continues, we expect this performance indicator to enter the "white" zone next quarter.

Occupational Exposure Control Effectiveness



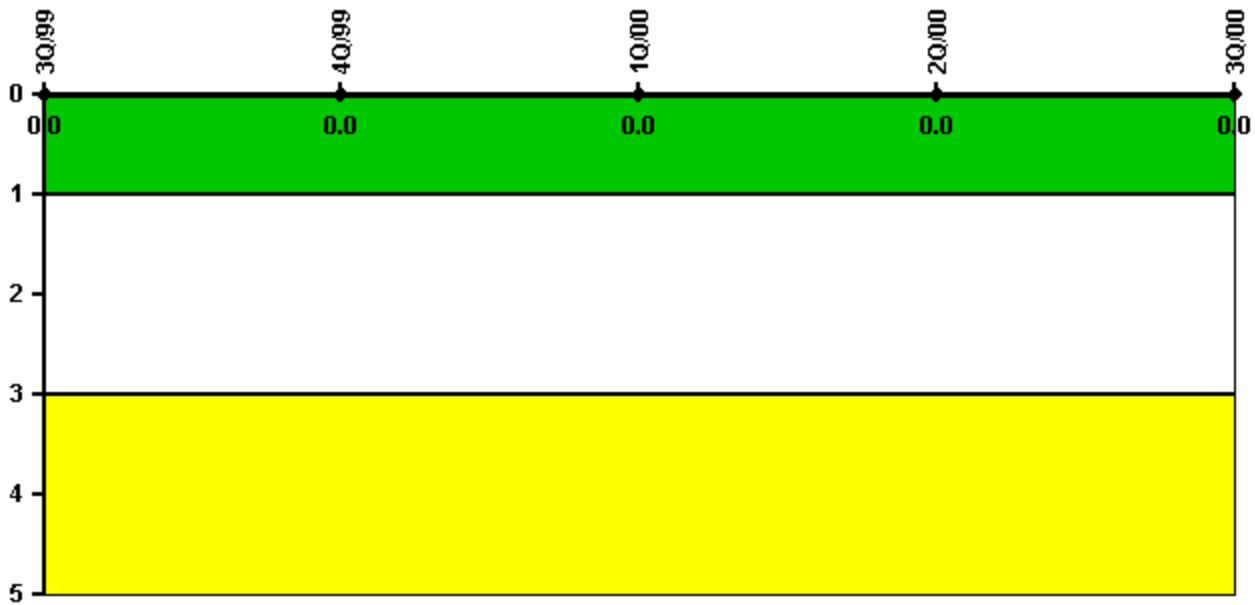
Thresholds: White > 2.0 Yellow > 5.0

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	1	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	1	1	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



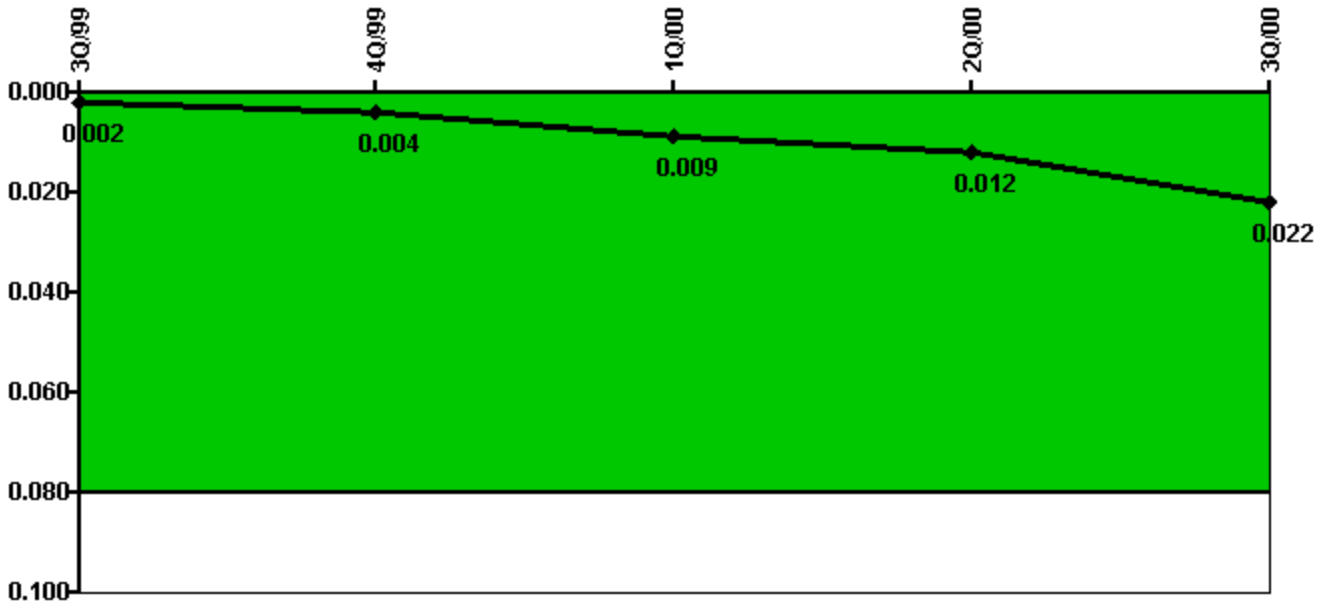
Thresholds: White > 1.0 Yellow > 3.0

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



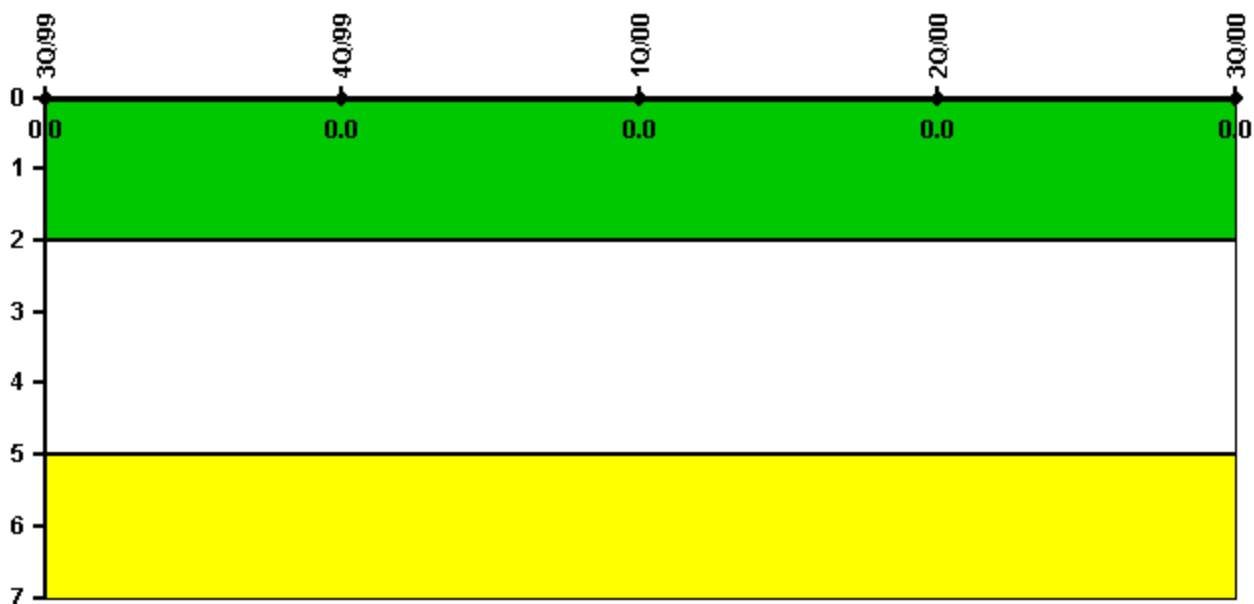
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	3.05	26.00	56.50	73.50	179.70
CCTV compensatory hours	0	33.5	20.0	0.1	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
Index Value	0.002	0.004	0.009	0.012	0.022

Licensee Comments: none

Personnel Screening Program



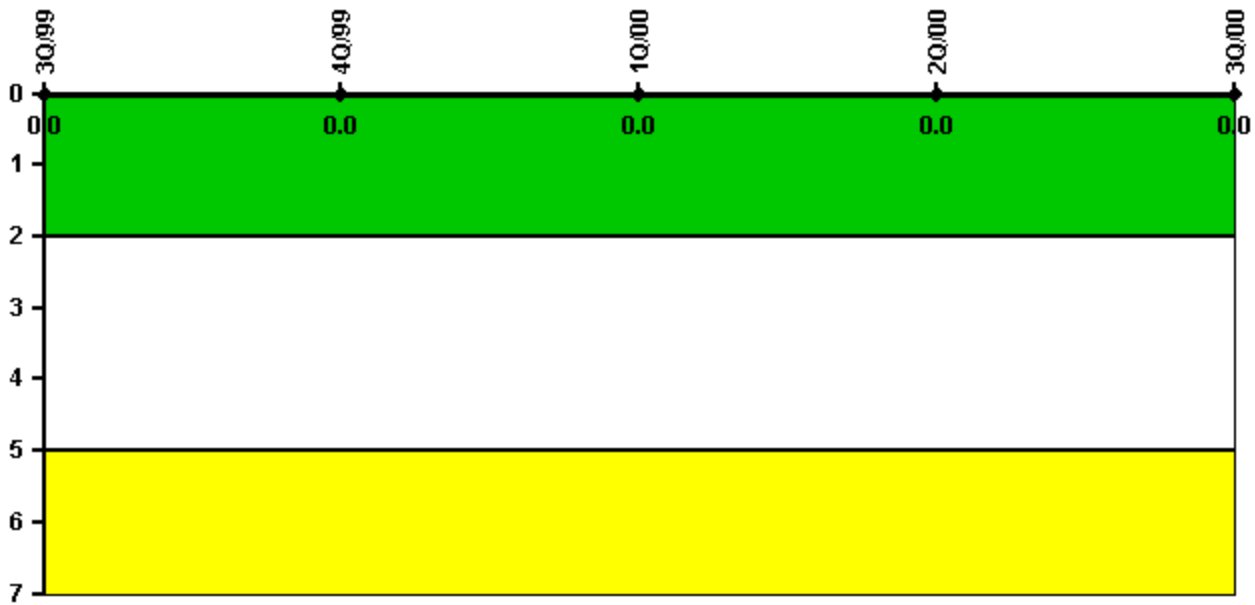
Thresholds: White > 2.0 Yellow > 5.0

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