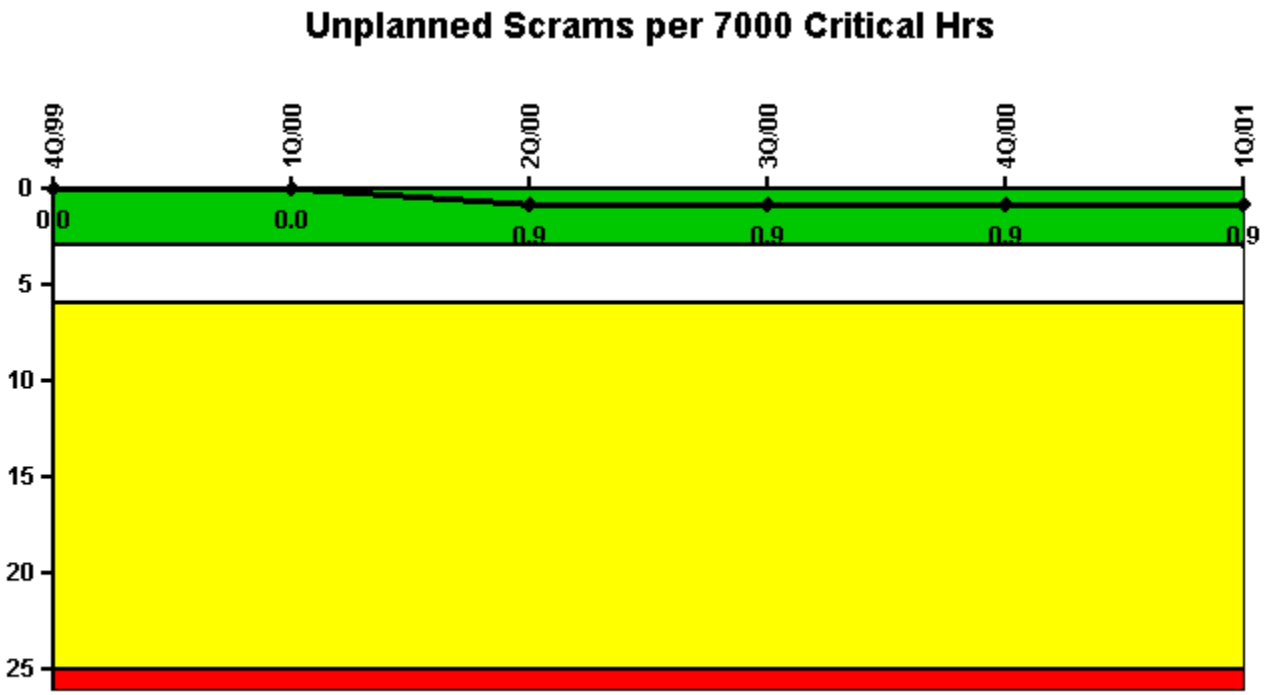
Kewaunee

1Q/2001 Performance Indicators

Licensee's General Comments: First Quarter of 2001 Data for Kewaunee Nuclear Power Plant



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

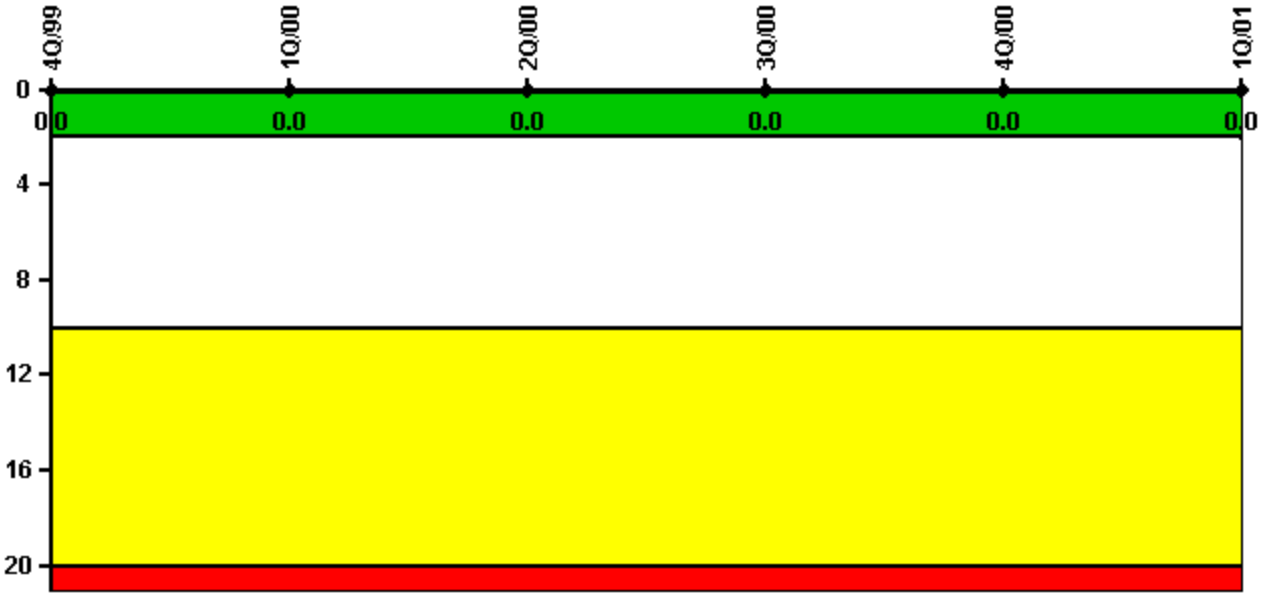
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	1.0	0	0	0
Critical hours	2209.0	2184.0	1202.3	2208.0	2209.0	2160.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments:

1Q/01: No Comment

Scrams with Loss of Normal Heat Removal



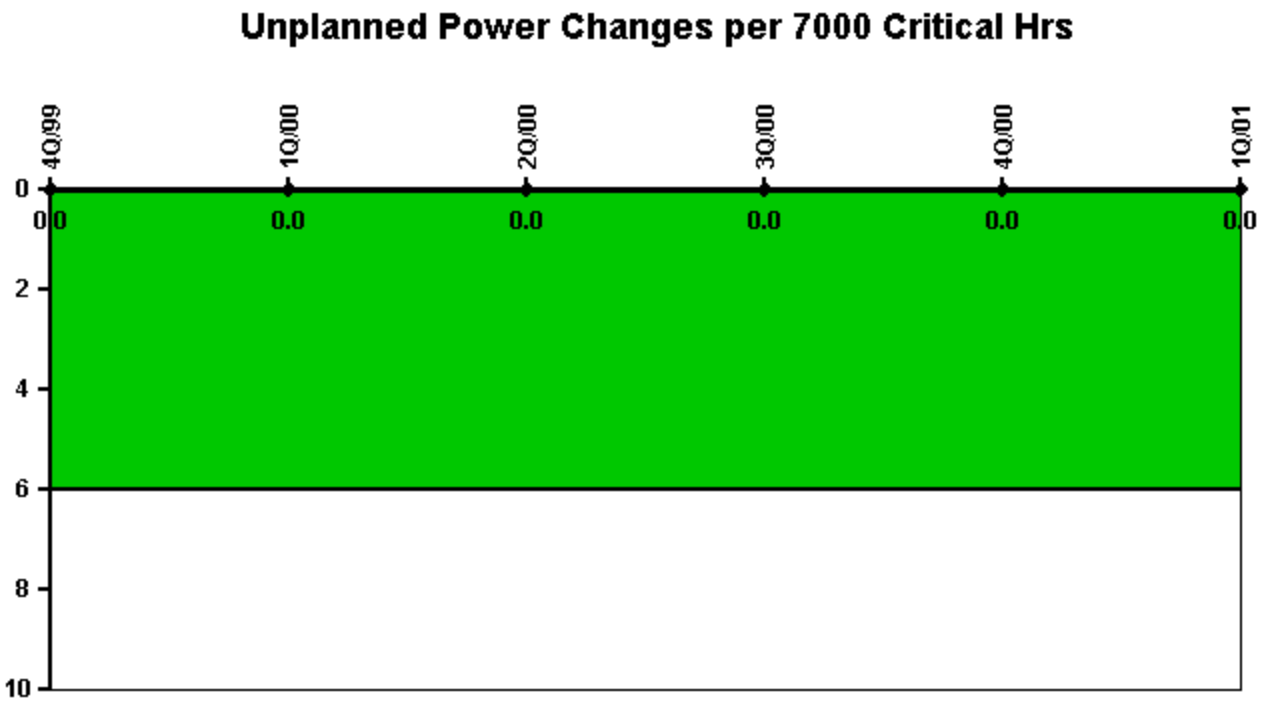
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/01: No Comment



Thresholds: White > 6.0

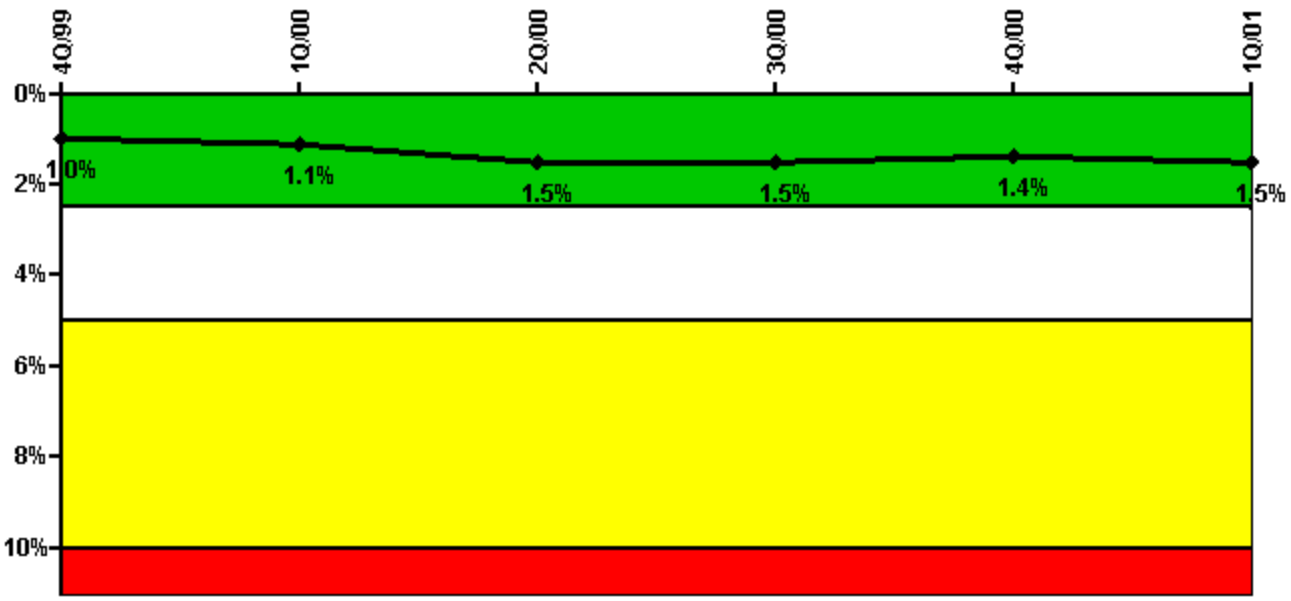
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	0
Critical hours	2209.0	2184.0	1202.3	2208.0	2209.0	2160.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/01: No Comment

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	1Q/01
Train 1						
Planned unavailable hours	22.66	26.91	106.24	37.00	25.48	34.02
Unplanned unavailable hours	0	0	0	0	5.07	0
Fault exposure hours	0	0	124.50	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	17.55	17.66	15.93	33.55	55.35	17.97
Unplanned unavailable hours	0	0	0	0	0	2.60
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.0%**	**1.1%**	**1.5%**	**1.5%**	**1.4%**	**1.5%**

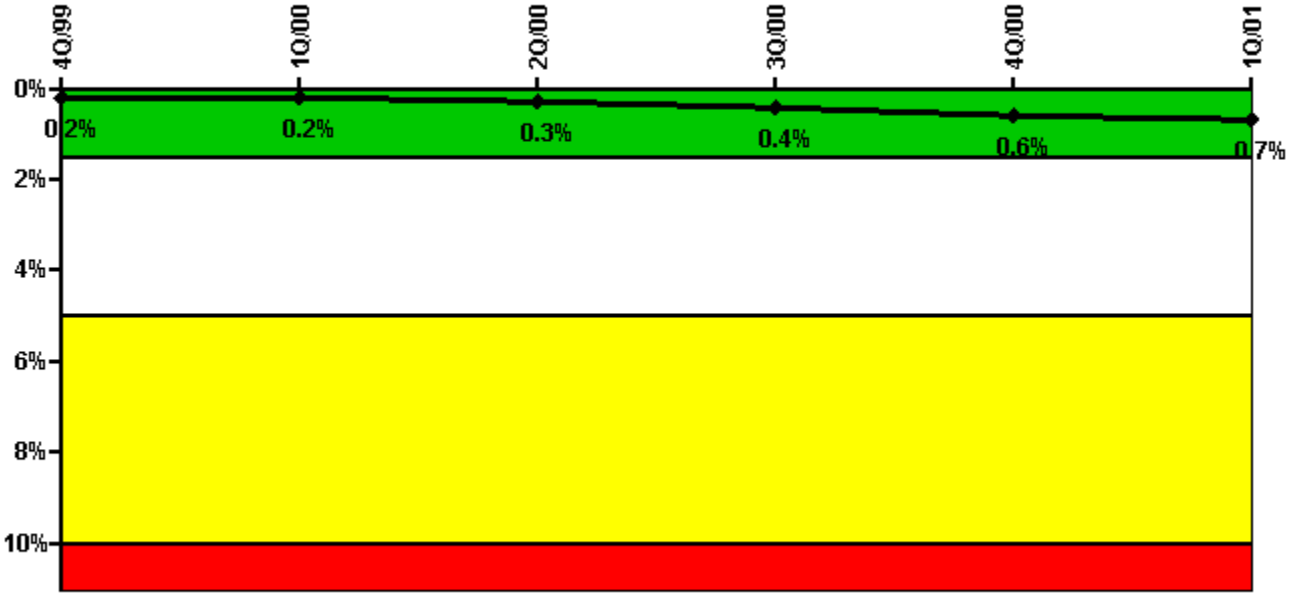
Licensee Comments:

1Q/01: No Comment

4Q/00: A review of corrective work orders for the 4th quarter of 2000 determined taht 13.5 hours of unavailability were taken as planned during diesel generator testing. 5.07 of those hours should have been counted as unplanned due to non-safety related component failure in November 2000.

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

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	1Q/01
Train 1						
Planned unavailable hours	10.50	22.64	44.70	27.46	31.62	18.89
Unplanned unavailable hours	0	0	0	0	4.25	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1202.30	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	29.59	2.95	4.96	31.75	57.57	0.91
Unplanned unavailable hours	0	0	0	0	0	2.60
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1202.30	2208.00	2209.00	2160.00
Indicator value	**0.2%**	**0.2%**	**0.3%**	**0.4%**	**0.6%**	**0.7%**

Licensee Comments:

1Q/01: No Comment

1Q/01: Revised February 2001 data for Train "B" due to inaccurately counting Train "A" unavailability against Train "B".

4Q/00: A review of work performed determined that 4.25 hours of planned unavailability should have been counted as unplanned unavailability in the 4th quarter of 2000.

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: 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: 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.

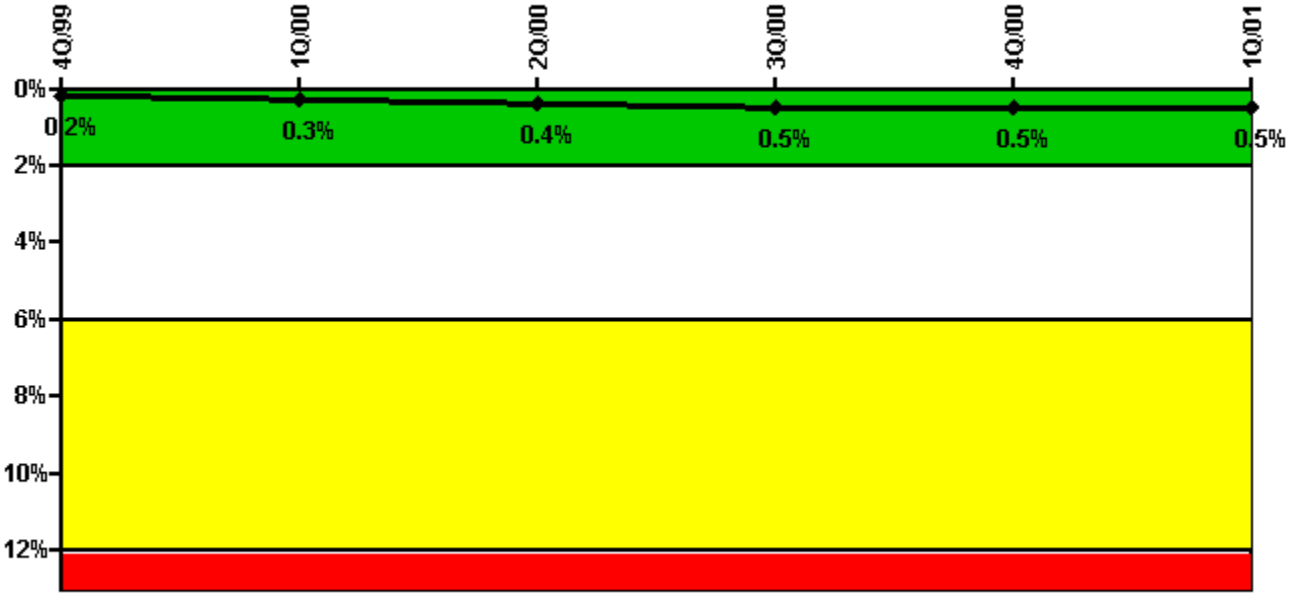
4Q/99: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

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 inadevertenly 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%

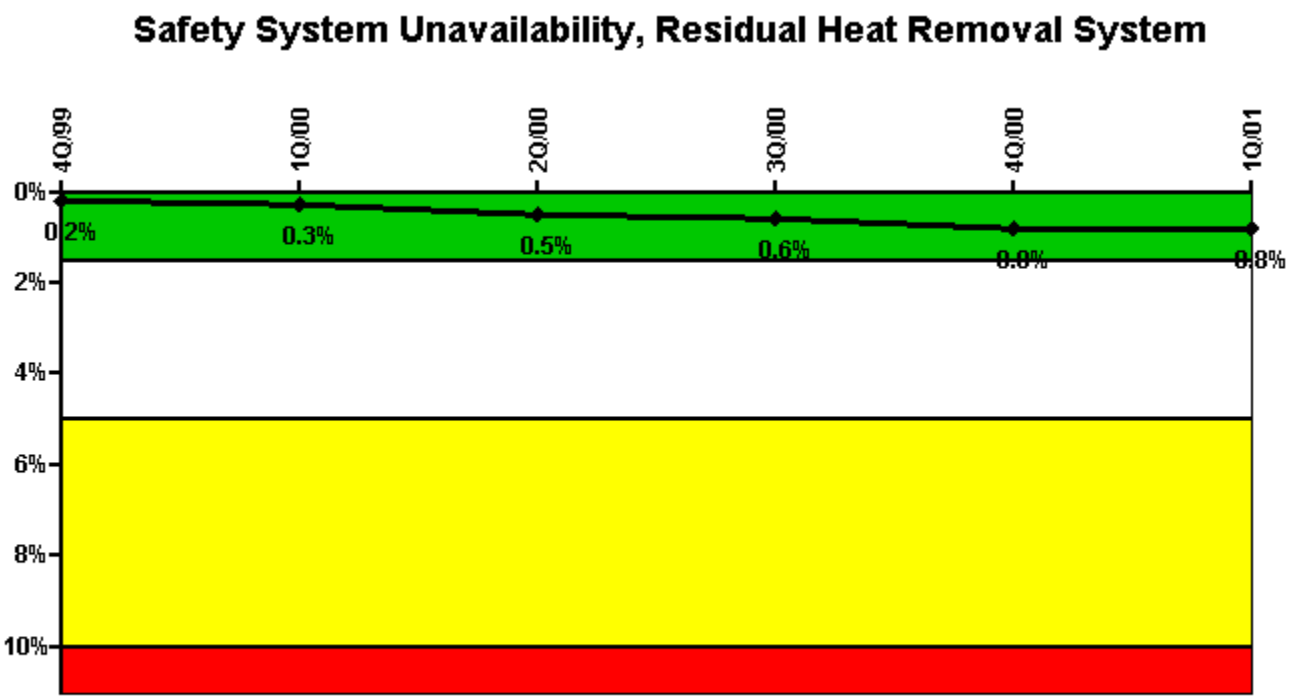
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						

Planned unavailable hours	2.87	8.29	51.27	9.06	16.55	10.07
Unplanned unavailable hours	0	0	0	5.92	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1202.30	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	6.74	2.25	18.45	13.40	39.62	1.09
Unplanned unavailable hours	0	0	0	8.57	0	2.60
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1202.30	2208.00	2209.00	2160.00
Train 3						
Planned unavailable hours	3.75	23.18	17.21	1.23	2.84	3.46
Unplanned unavailable hours	0	0	0	21.82	0	3.92
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1202.30	2208.00	2209.00	2160.00
Indicator value	**0.2%**	**0.3%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments:

1Q/01: No Comment



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	1Q/01
Train 1						
Planned unavailable hours	17.09	24.45	94.71	28.44	31.99	24.15
Unplanned unavailable hours	0	0	0	0	4.25	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	22.00	24.27	5.94	32.50	57.65	0.90
Unplanned unavailable hours	0	0	0	0	0	2.60
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.2%**	**0.3%**	**0.5%**	**0.6%**	**0.8%**	**0.8%**

Licensee Comments:

1Q/01: No Comment

1Q/01: Upon finalization of our FAQ, updated the data to reflect actual unavailability.

4Q/00: A review of work performed determined that 4.25 hours of planned unavailability should have been counted as unplanned unavailability in the 4th quarter of 2000.

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

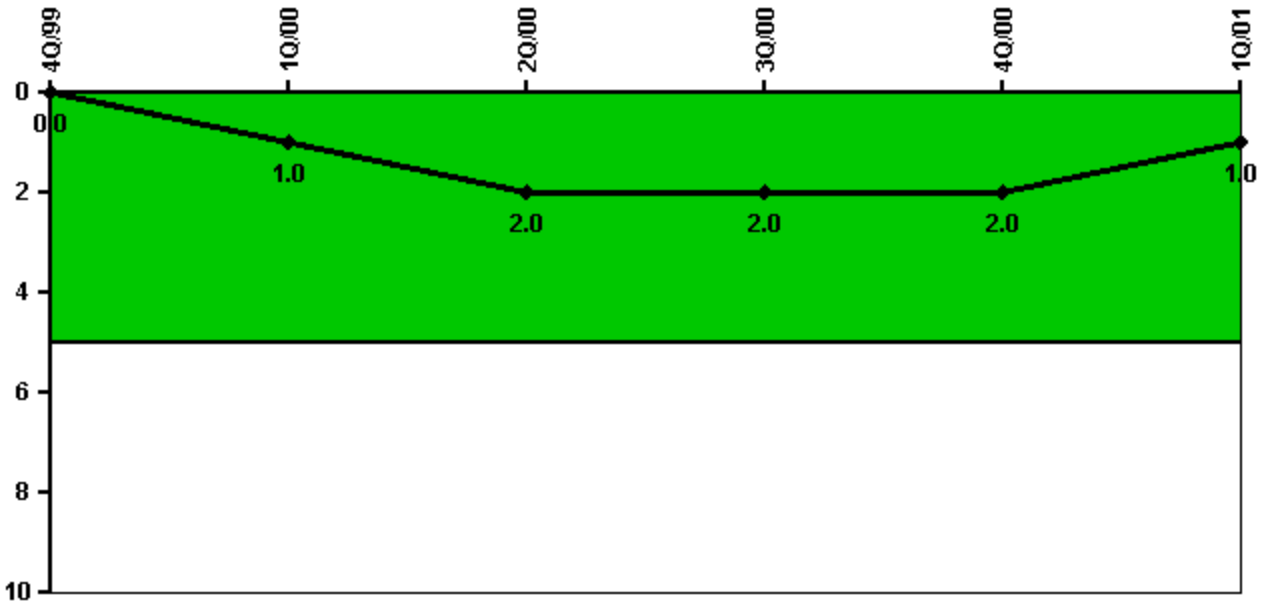
4Q/99: During the baseline inspection of the Residual Heat Removal System, it was noted that non-conservative estimates were being used. After analysis, the data for quarters 2/98, 3/98, 1/99, and 4/99 were revised to reflect minor changes. The changes had little or no affect on the indicator and no 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)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Safety System Functional Failures	0	1	1	0	0	0
Indicator value	**0**	**1**	**2**	**2**	**2**	**1**

Licensee Comments:

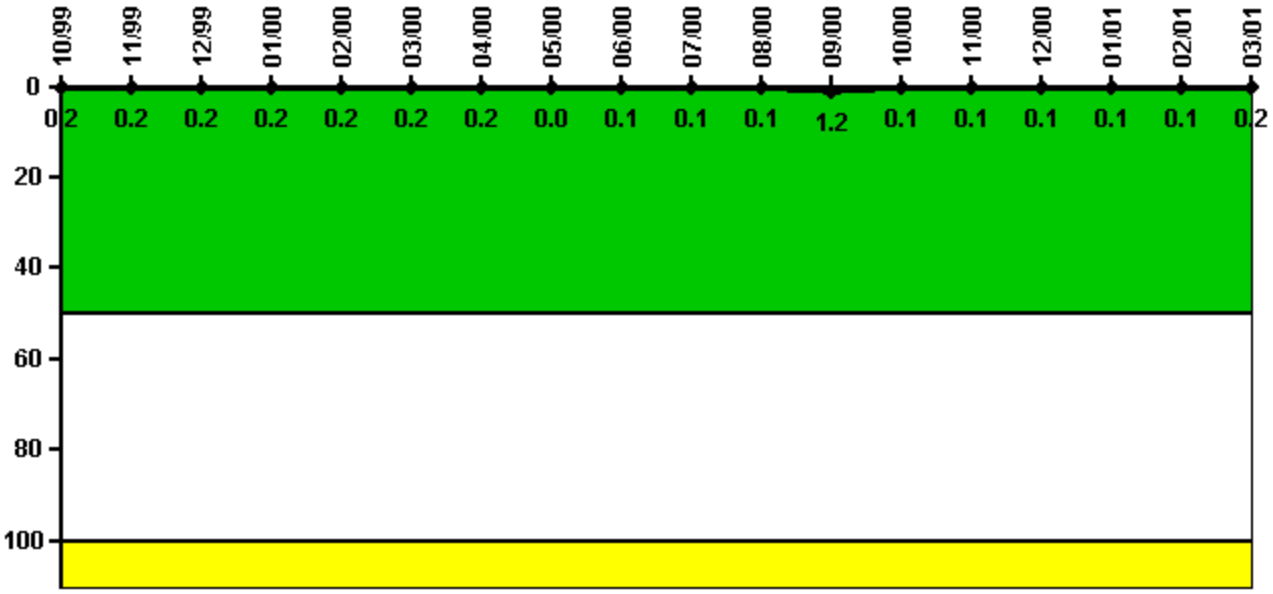
1Q/01: No Comment

1Q/01: Revision to LER 2001-001-01 determined that this was not an SSFF.

4Q/00: LER 2000-015 was initially counted as an SSFF in the 4th Quarter of 2000. Further analysis has determined that the outside of design basis condition would only affect one train of safeguards equipment. Therefore, the opposite train of safeguards equipment would be available to fulfill the required safety functions. This LER was removed as an SSFF for the 4th Quarter of 2000.

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.

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**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000247	0.000248	0.000253	0.000260	0.000270	0.000320
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments:

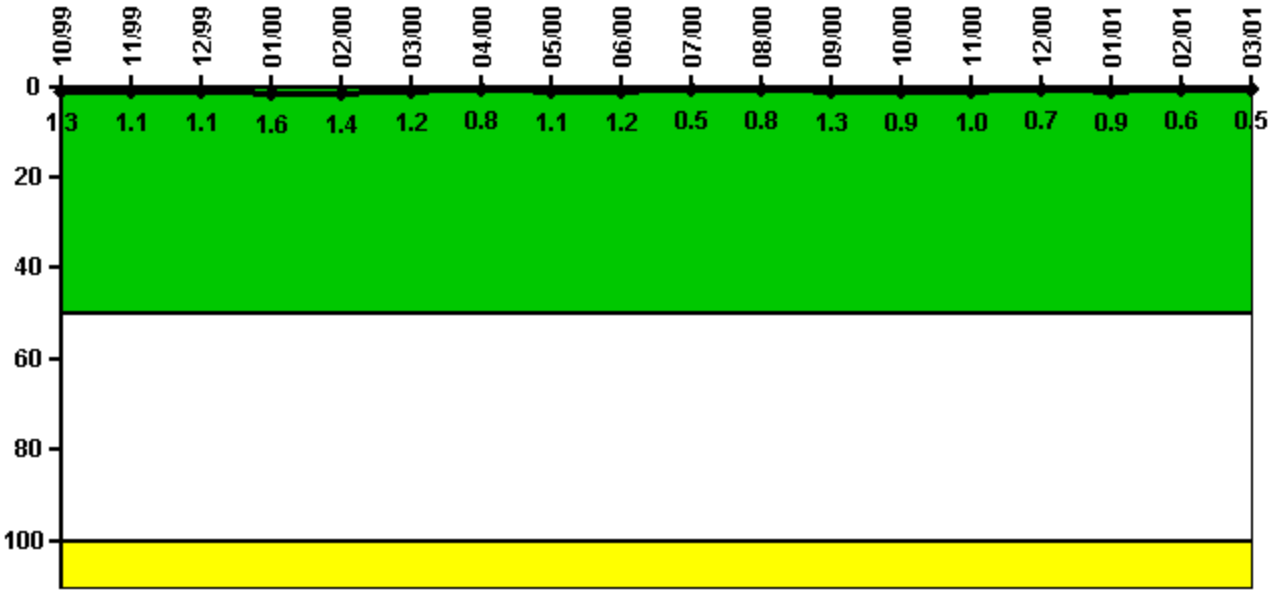
3/01: Revised March 2001 value from 0.000032 to 0.00032. Administrative data entry error

3/01: Revised March 2001 value from 0.000032 to 0.00032. Administrative data entry error

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**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.090	0.102	0.072	0.088	0.062	0.054
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**1.0**	**0.7**	**0.9**	**0.6**	**0.5**

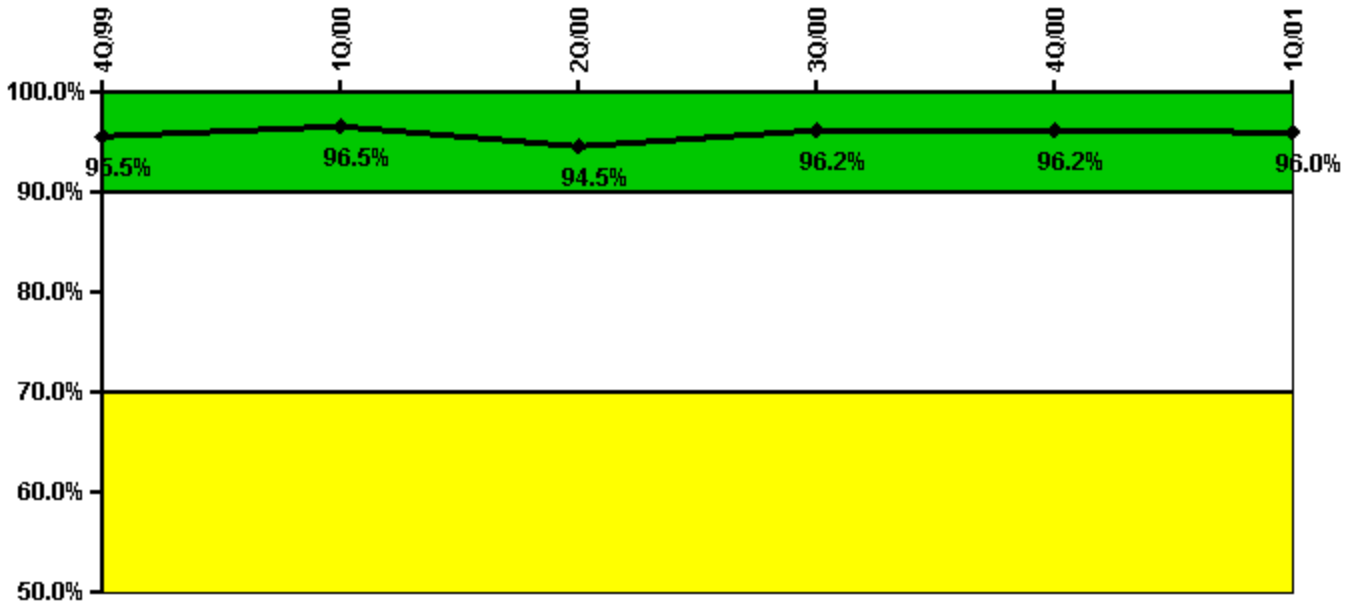
Licensee Comments:

3/01: No Comment

12/00: Revised October 2000 value from 0.0673 to 0.09 due to previously misidentified maximum value.

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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	5.0	42.0	23.0	0	2.0	25.0
Total opportunities	6.0	42.0	24.0	0	2.0	26.0
Indicator value	**95.5%**	**96.5%**	**94.5%**	**96.2%**	**96.2%**	**96.0%**

Licensee Comments:

1Q/01: No Comment

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.

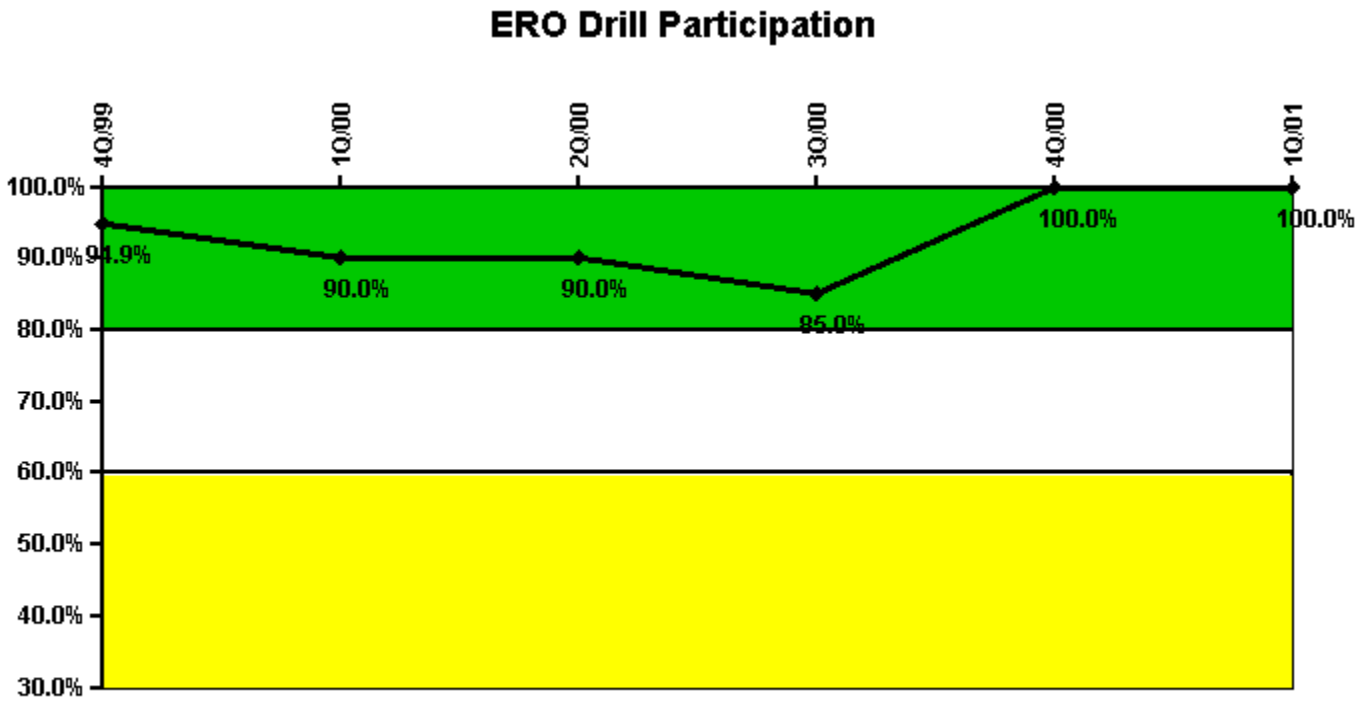
3Q/99: An in-depth review of all DEP performance indicator data back through 1998 was performed. As a result of this review, minor tabulation errors were detected. The revised numbers did not change the "green" status of this indicator.

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.

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.

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.

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.



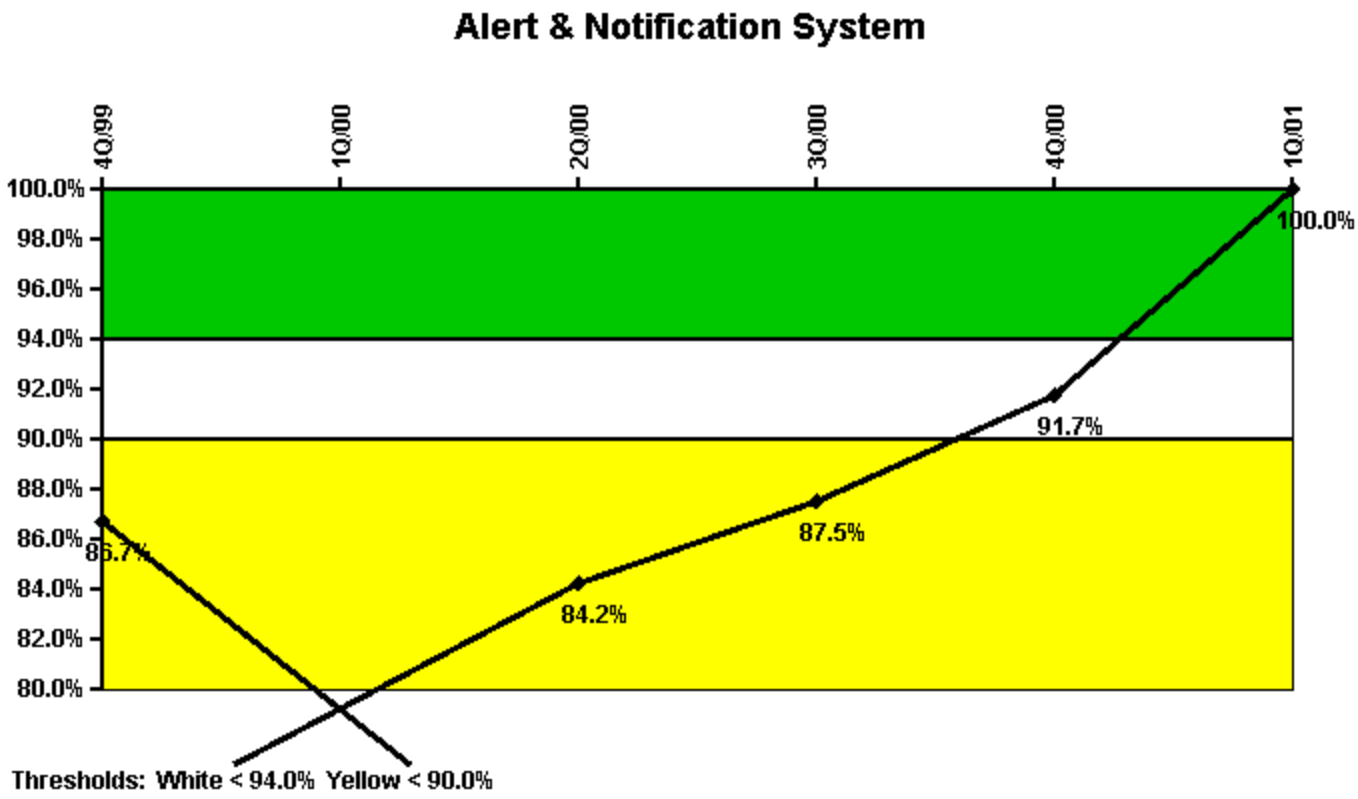
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	37.0	36.0	36.0	34.0	40.0	39.0
Total Key personnel	39.0	40.0	40.0	40.0	40.0	39.0
Indicator value	**94.9%**	**90.0%**	**90.0%**	**85.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/01: No Comment



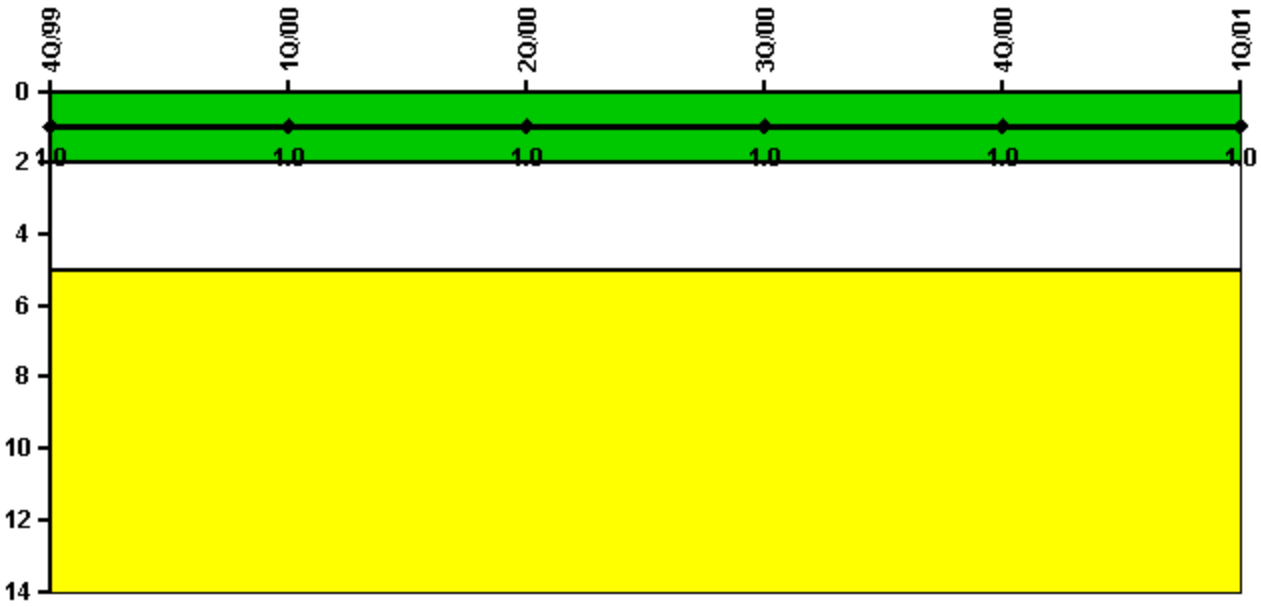
Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	65	52	78	78	78	78
Total sirens-tests	78	78	78	78	78	78
Indicator value	**86.7%**	**79.2%**	**84.2%**	**87.5%**	**91.7%**	**100.0%**

Licensee Comments:

1Q/01: 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. The results of this quarter's siren testing program brings our ANS performance indicator into the green zone at a value of 100%.

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

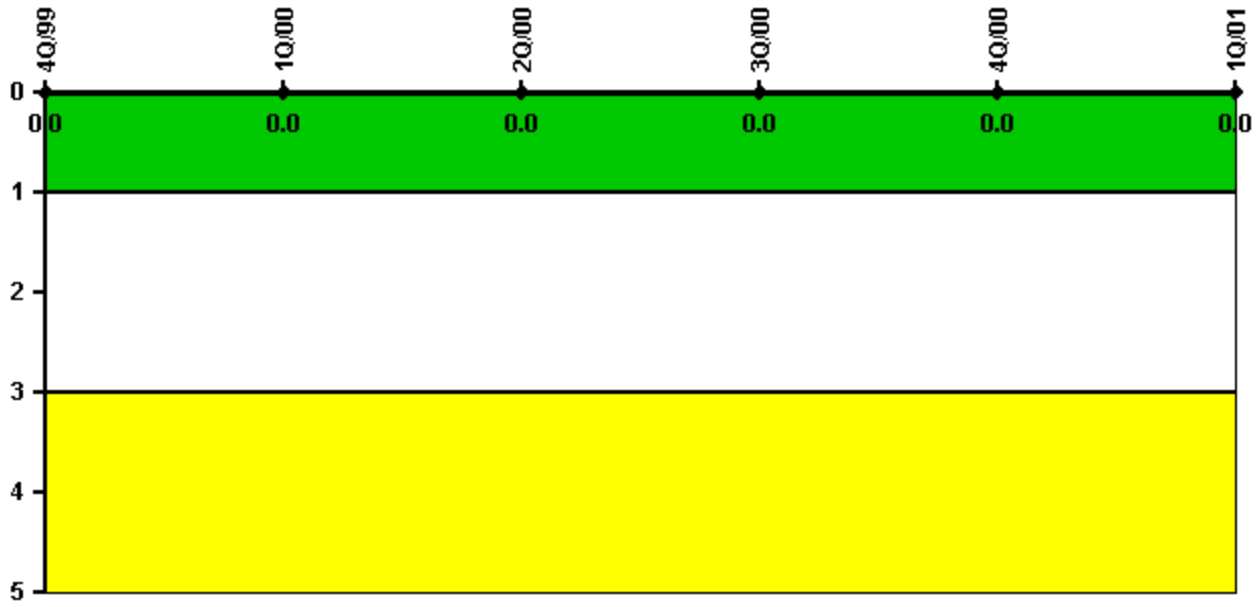
Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	1	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**1**	**1**

Licensee Comments:

1Q/01: No Comment

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

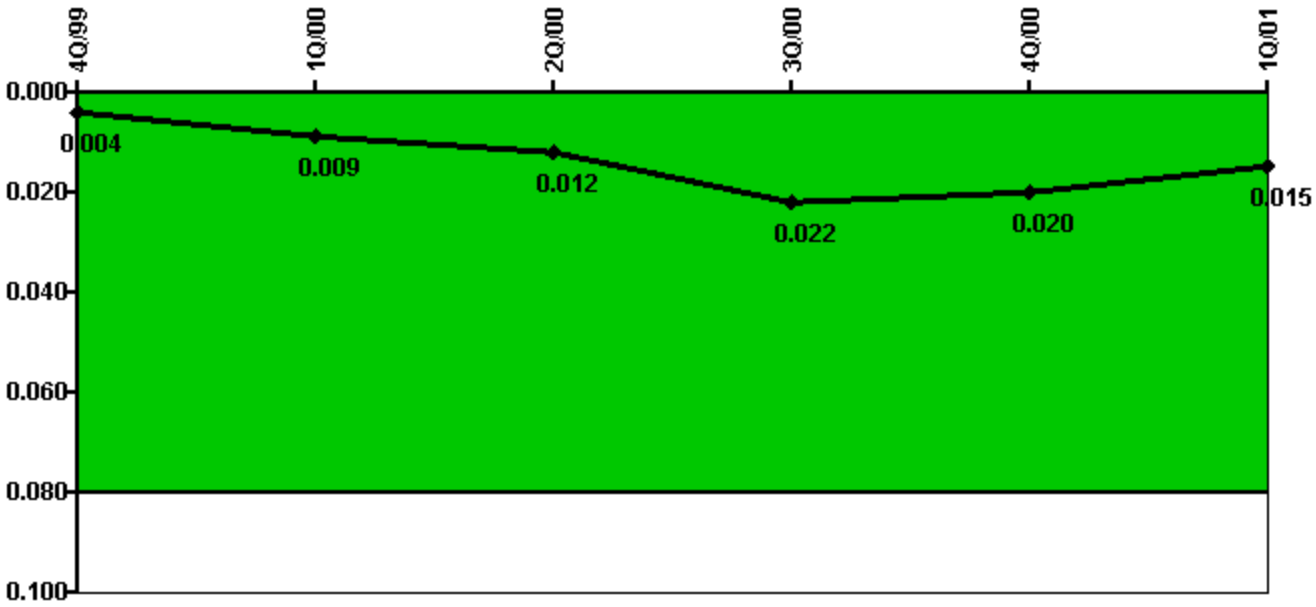
Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/01: No Comment

Protected Area Security Performance Index



Thresholds: White > 0.080

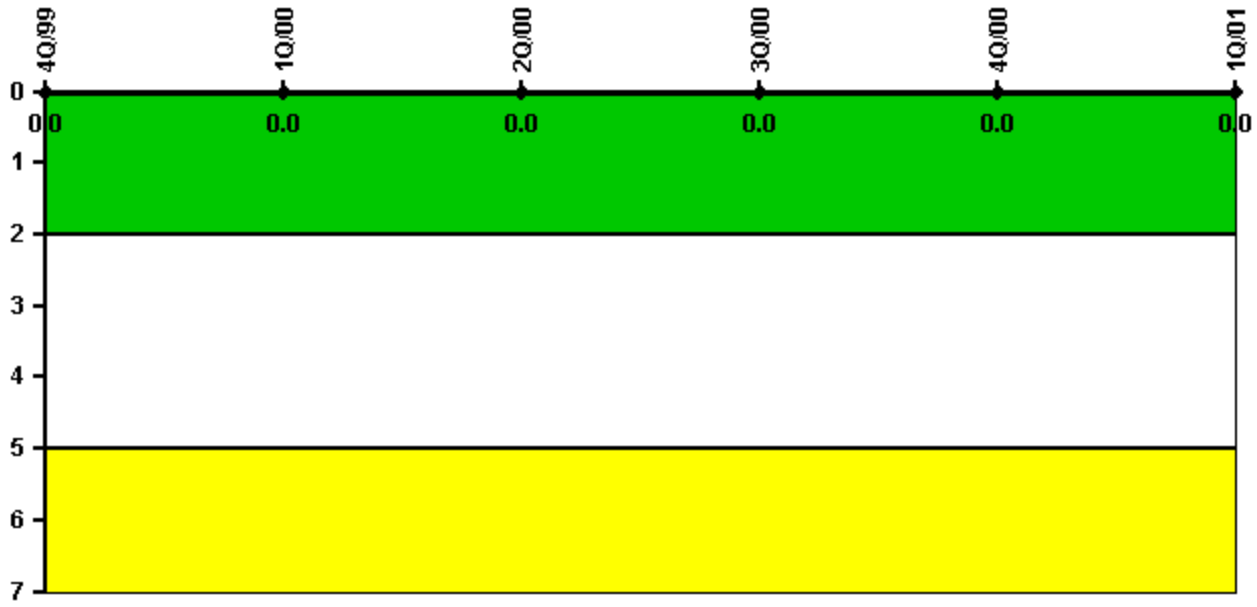
Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	26.00	56.50	73.50	179.70	0	0.50
CCTV compensatory hours	33.5	20.0	0.1	0	16.5	0
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.004**	**0.009**	**0.012**	**0.022**	**0.020**	**0.015**

Licensee Comments:

1Q/01: No Comment

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program failures	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/01: No Comment

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program Failures	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/01: No Comment

PI Summary | Inspection Findings Summary | Action Matrix Summary | Reactor Oversight Process

Last Modified: March 28, 2002