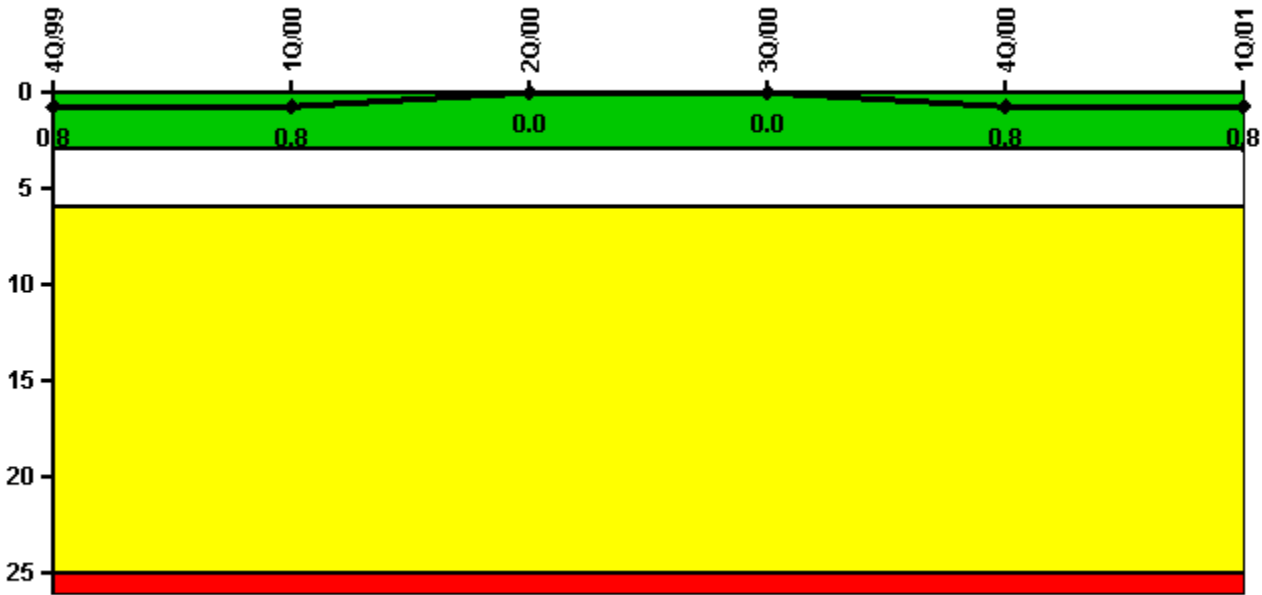


Quad Cities 1

1Q/2001 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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	0	0	1.0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0
Indicator value	0.8	0.8	0	0	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



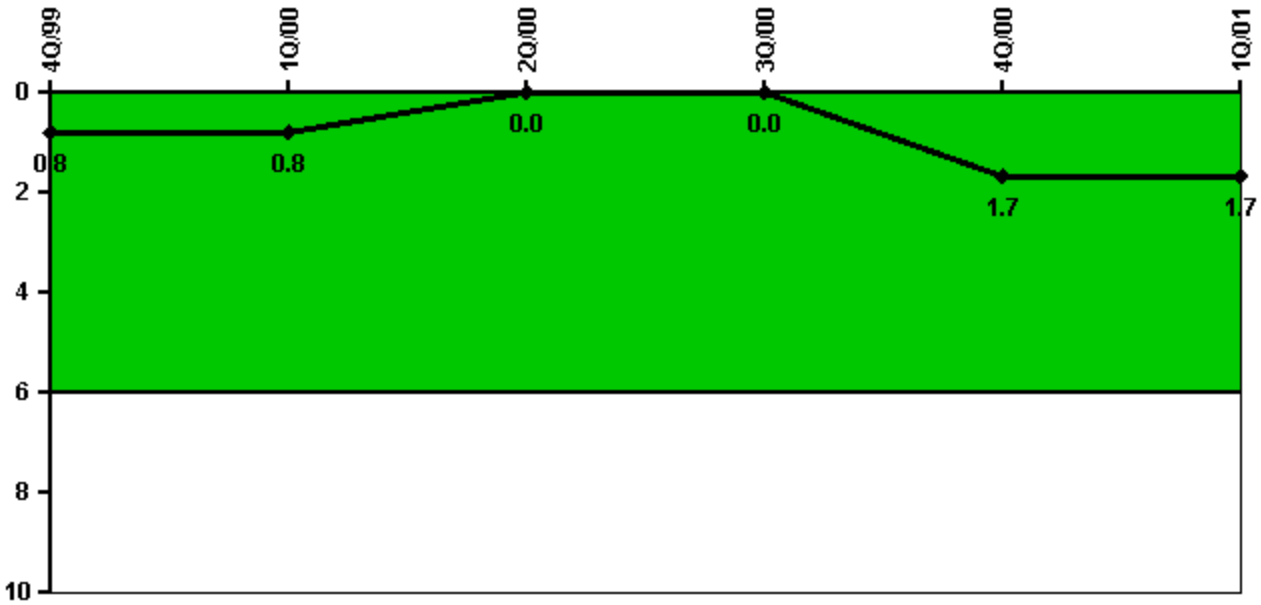
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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: none

Unplanned Power Changes per 7000 Critical Hrs



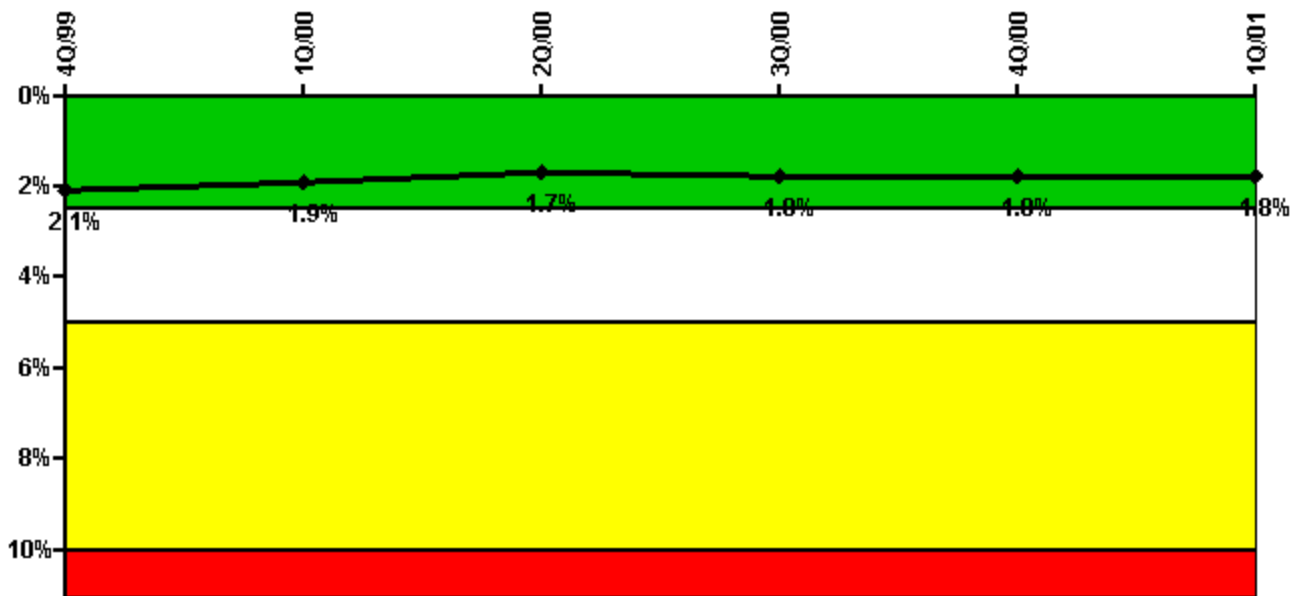
Thresholds: White > 6.0

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	2.0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0
Indicator value	0.8	0.8	0	0	1.7	1.7

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



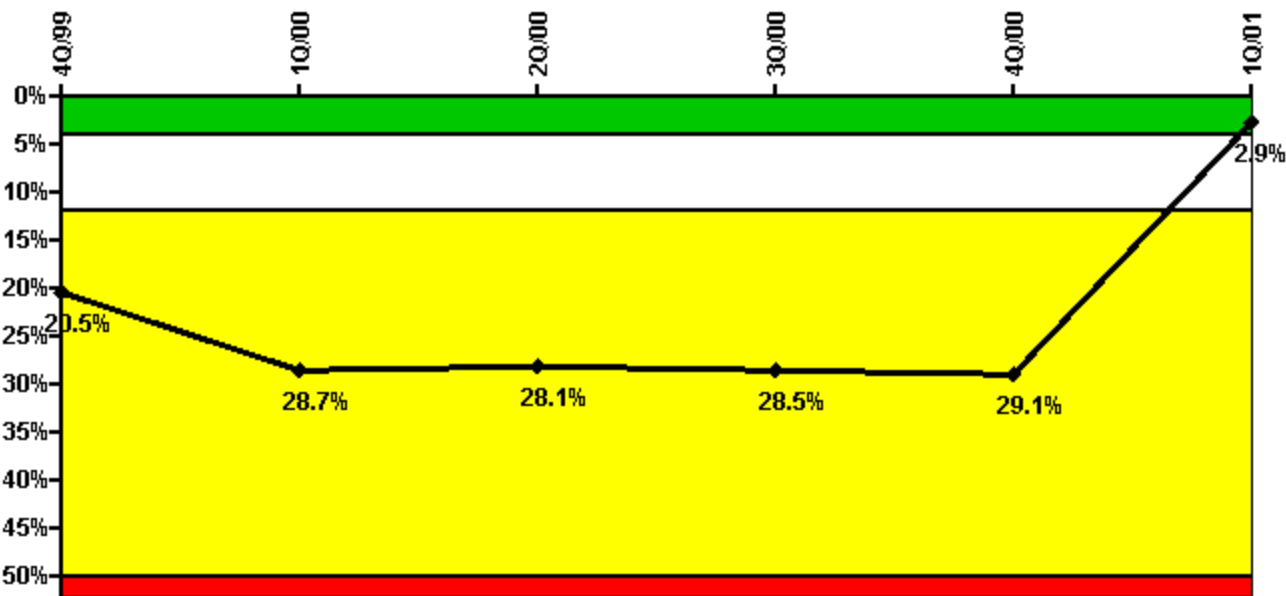
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	15.04	48.10	17.29	8.46	46.68	35.25
Unplanned unavailable hours	0	4.17	0	0	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	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	14.20	12.46	11.32	69.70	63.03	37.35
Unplanned unavailable hours	0	0	0	3.30	0	2.62
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	2.1%	1.9%	1.7%	1.8%	1.8%	1.8%

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)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	79.87	45.21	31.29	102.84	65.64	10.45
Unplanned unavailable hours	30.20	33.85	3.20	0	5.20	0
Fault exposure hours	2099.00	1889.40	0	0	0	0
Effective Reset hours	0	0	0	0	0	5439.80
Required hours	2209.00	2184.00	2183.00	2208.00	1712.30	2160.00
Indicator value	20.5%	28.7%	28.1%	28.5%	29.1%	2.9%

Licensee Comments:

1Q/01: Fault exposure hours for the 3rd and 4th quarters of 1999 and the 1st quarter of 2000 have been removed in accordance with the guidance of NEI 99-02, revision 0. These 5439.8 hours were associated with the March 21, 2000, failure of the Unit 1 HPCI auxiliary oil pump. The corrective actions associated with the item to preclude recurrence of the condition have been completed. The NRC supplemental inspection has been completed (see IR 50-254(265)/2000013). No open issues resulted from that inspection. Therefore, in accordance with the guidance of NEI 99-02, revision 0, section 2.2, "Mitigating Systems Cornerstone," under "Clarifying Notes" and "Removing (Resetting) Fault Exposure Hours," these fault exposure hours have been removed from the indicator.

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

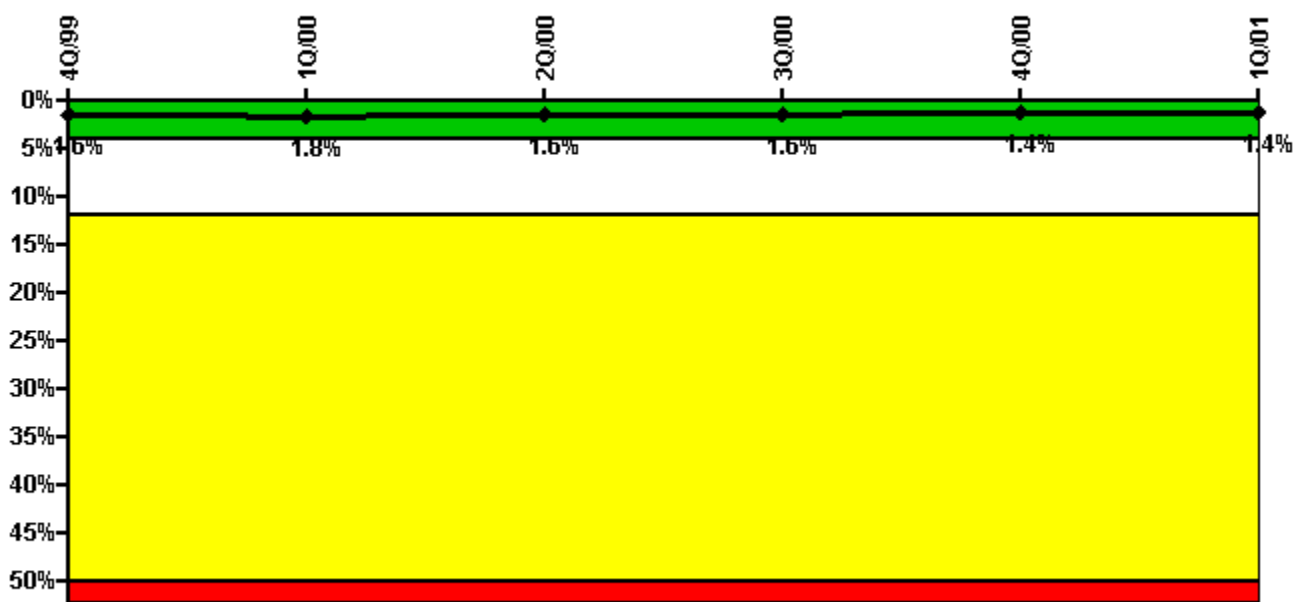
additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System 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)



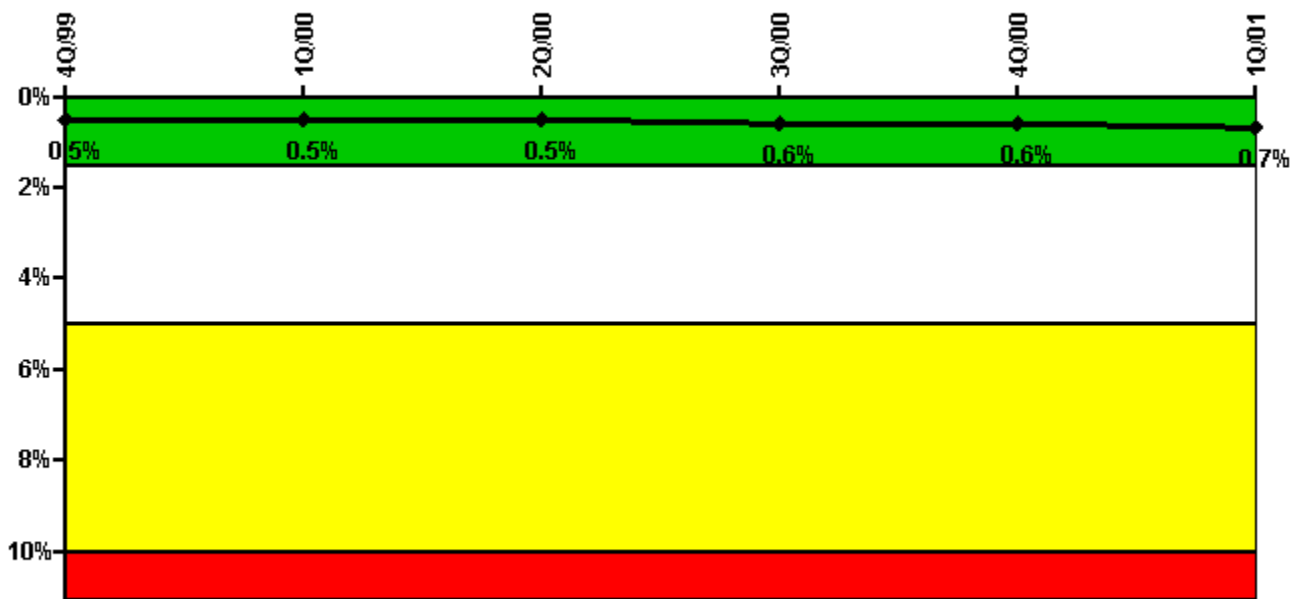
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	46.47	20.36	55.86	9.61	6.91	43.32
Unplanned unavailable hours	0	26.21	0	0	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	2183.00	2208.00	1712.30	2160.00
Indicator value	1.6%	1.8%	1.6%	1.6%	1.4%	1.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

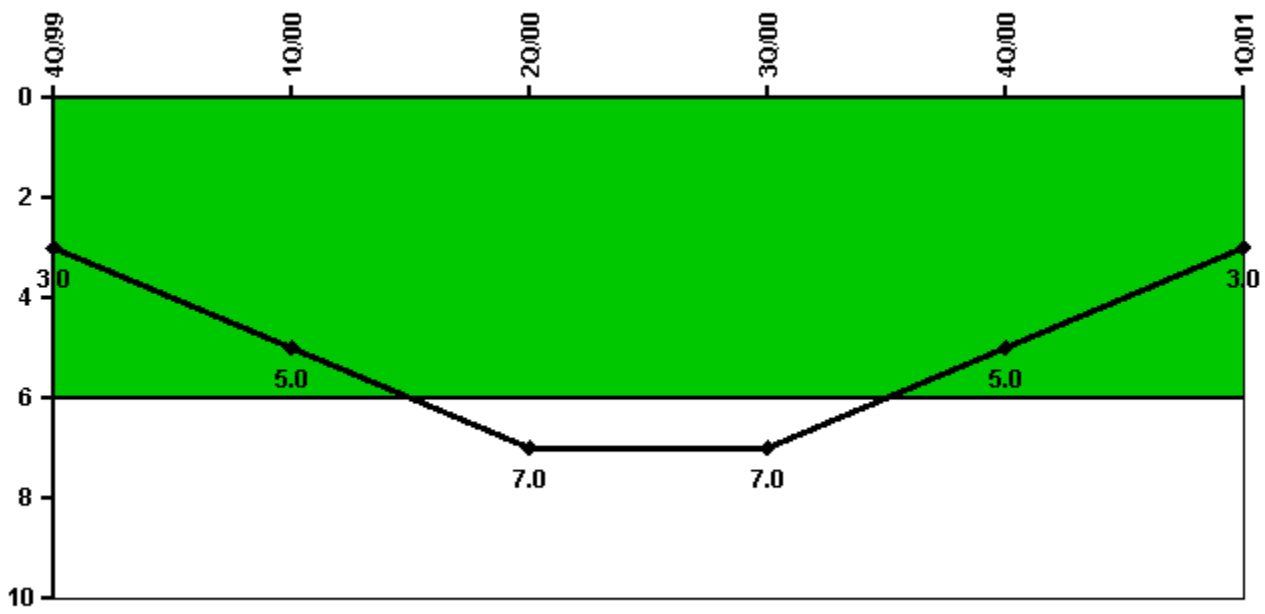
Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	30.80	0	0	27.37	7.10	47.75
Unplanned unavailable hours	0	0	0	0	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	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	31.30	0	0	0	2.15	27.92

Unplanned unavailable hours	0	0	0	0	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	2183.00	2208.00	2209.00	2160.00
Indicator value	0.5%	0.5%	0.5%	0.6%	0.6%	0.7%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

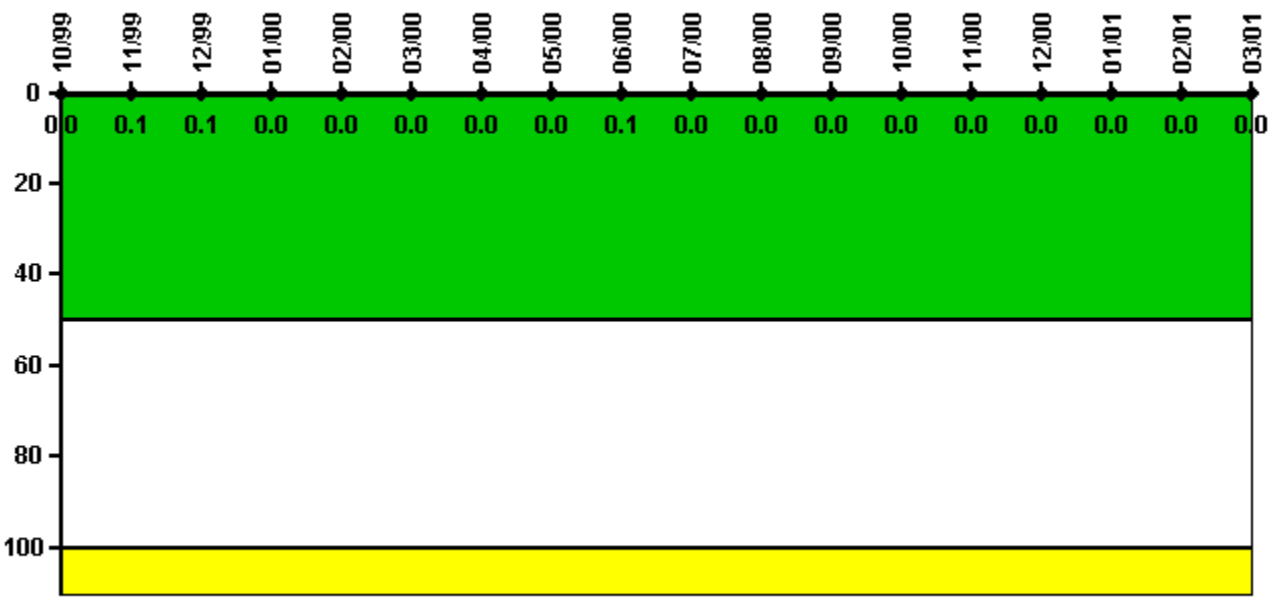
Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Safety System Functional Failures	3	2	2	0	1	0
Indicator value	3	5	7	7	5	3

Licensee Comments:

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the event is ongoing. {The abovementioned Safety System Functional Failure was withdrawn with the fourth quarter 2001 submittal per a subsequent NRC letter concerning Inspection Report 50-265/01-08.}

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the event is ongoing.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

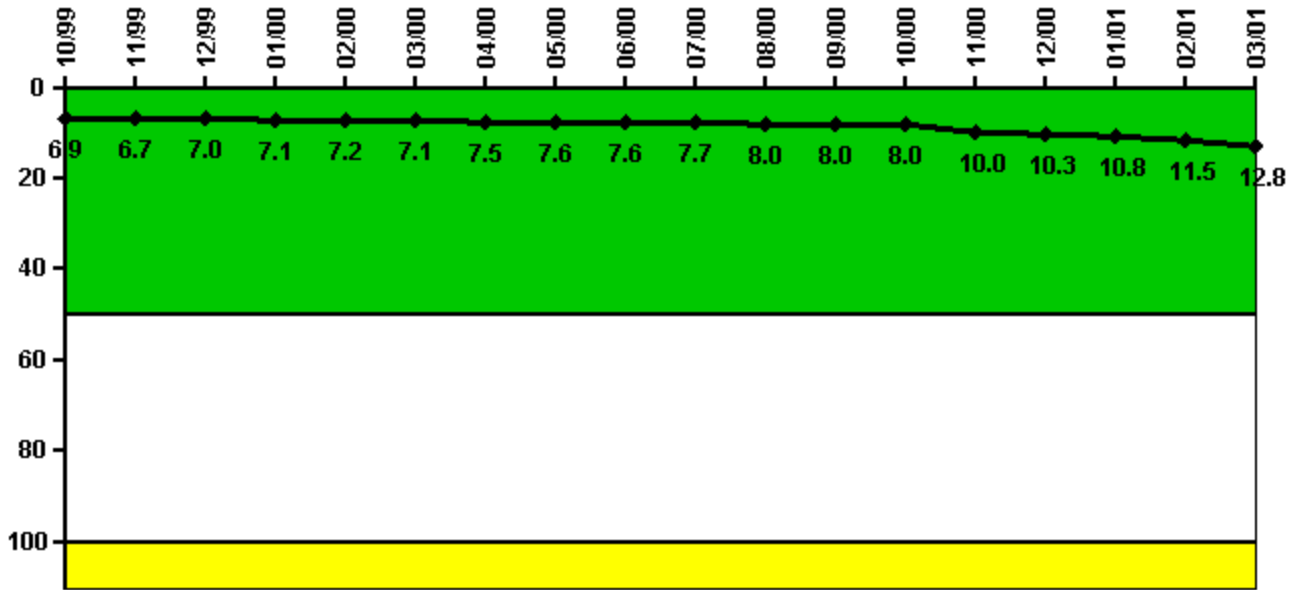
Notes

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

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000064	0.000057	0.000072	0.000043	0.000084	0.000044
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

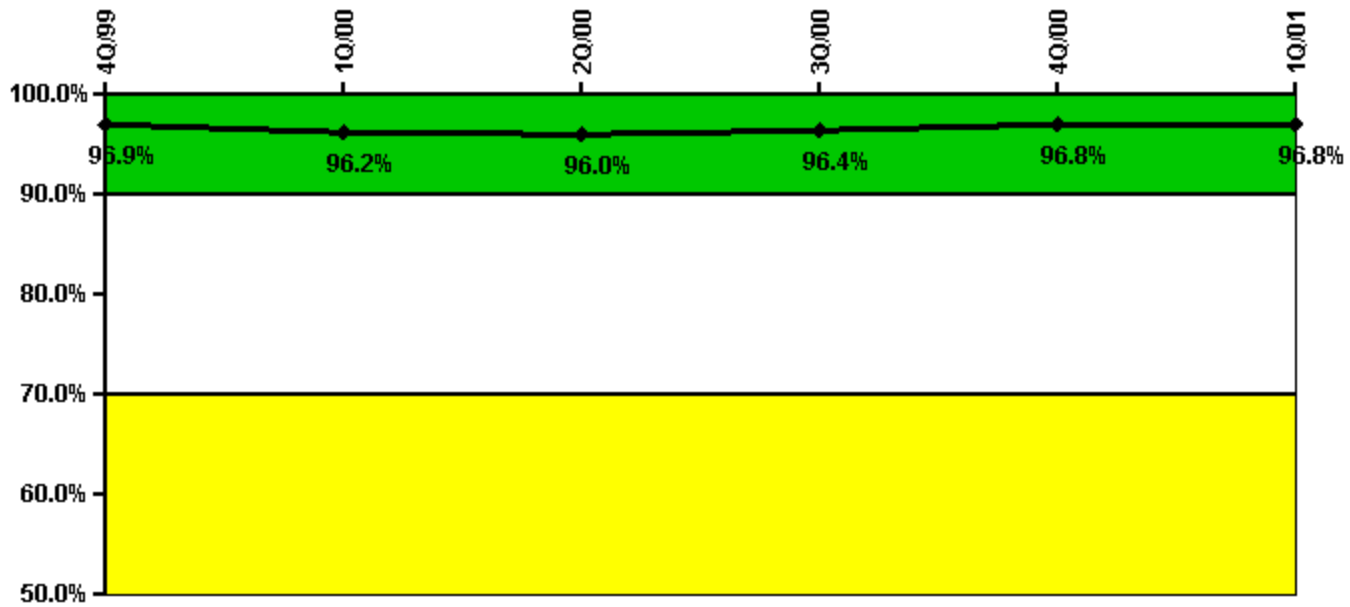
Notes

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

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	2.000	2.490	2.570	2.710	2.870	3.210
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	8.0	10.0	10.3	10.8	11.5	12.8

Licensee Comments: none

Drill/Exercise Performance



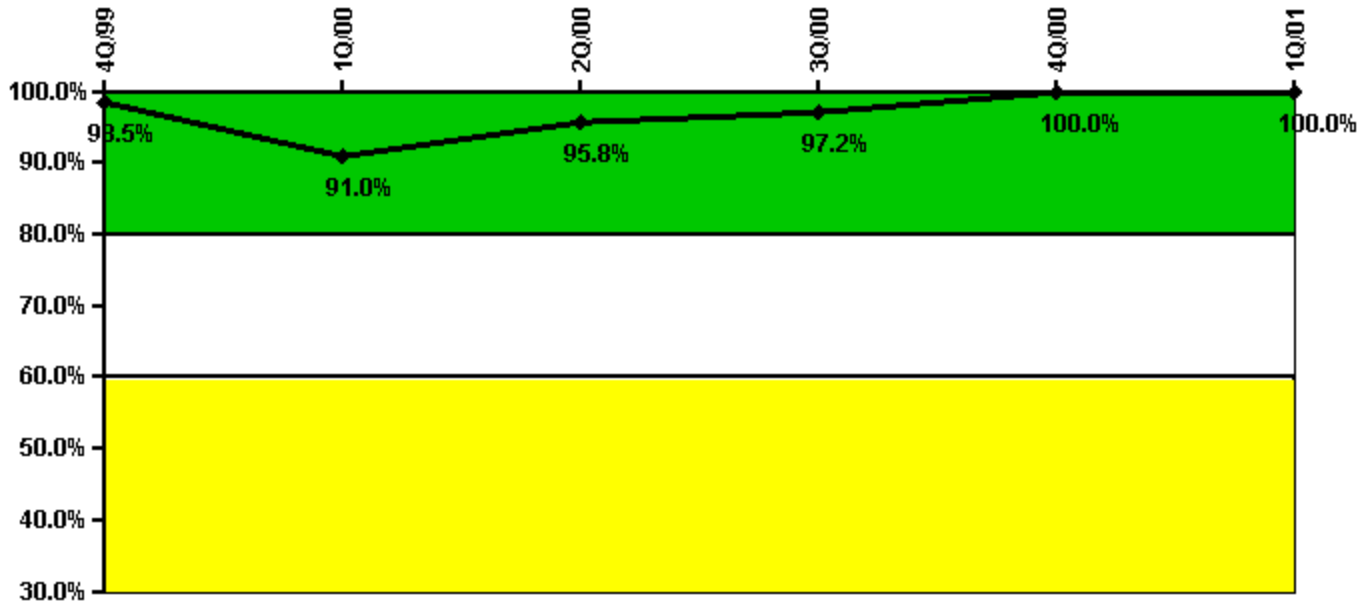
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	56.0	15.0	59.0	50.0	39.0	0
Total opportunities	57.0	17.0	62.0	53.0	39.0	0
Indicator value	96.9%	96.2%	96.0%	96.4%	96.8%	96.8%

Licensee Comments: none

ERO Drill Participation



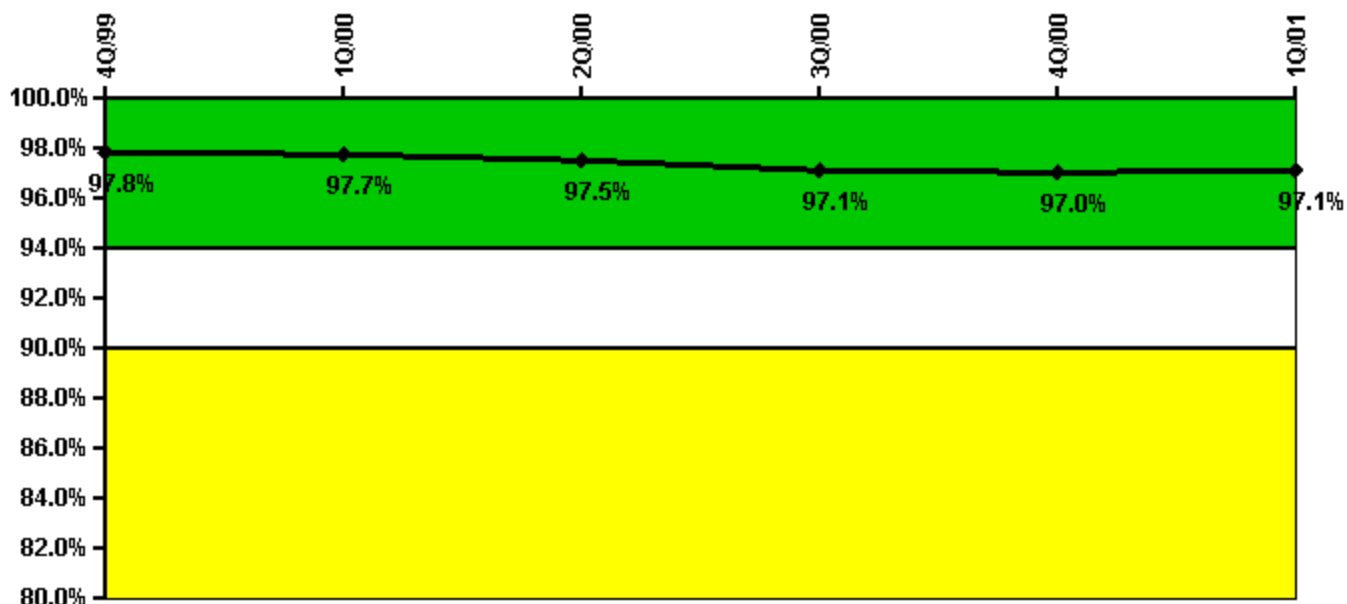
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	64.0	61.0	69.0	69.0	70.0	65.0
Total Key personnel	65.0	67.0	72.0	71.0	70.0	65.0
Indicator value	98.5%	91.0%	95.8%	97.2%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	3219	3321	3190	3150	3202	3285
Total sirens-tests	3276	3380	3328	3276	3276	3328
Indicator value	97.8%	97.7%	97.5%	97.1%	97.0%	97.1%

Licensee Comments: none

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



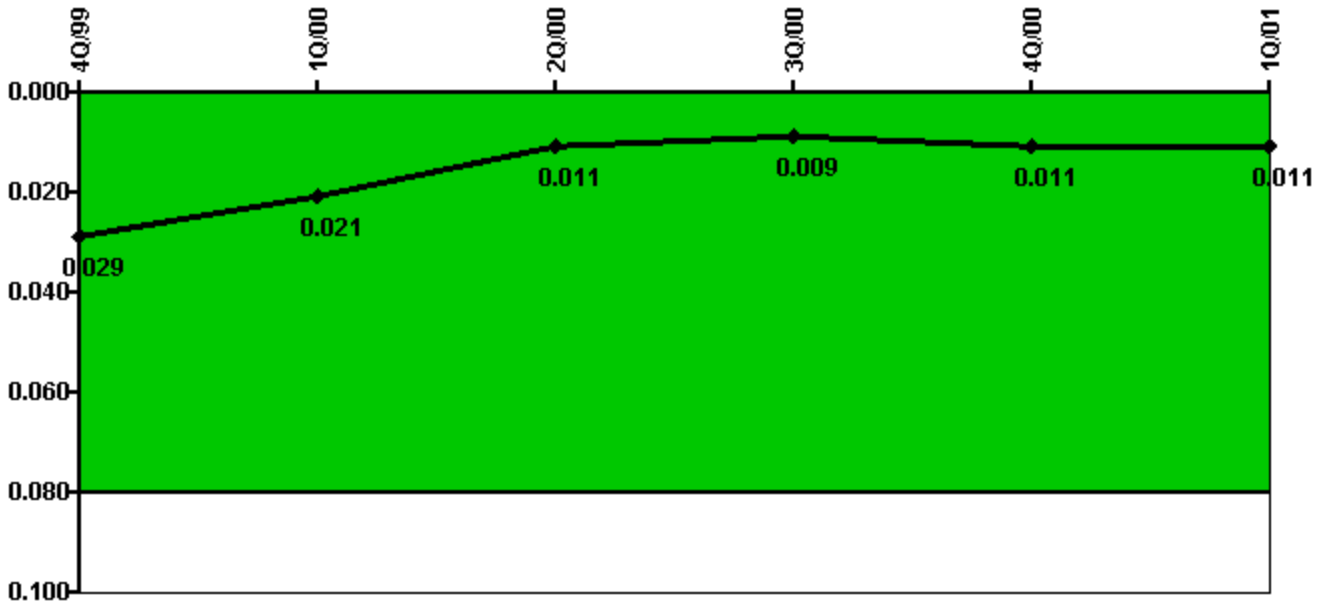
Thresholds: White > 1.0 Yellow > 3.0

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: none

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	22.10	28.50	82.20	24.32	52.19	30.70
CCTV compensatory hours	2.2	0	4.3	1.6	0	0.1
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	0.029	0.021	0.011	0.009	0.011	0.011

Licensee Comments: none

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: none

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: none

▲ [PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002