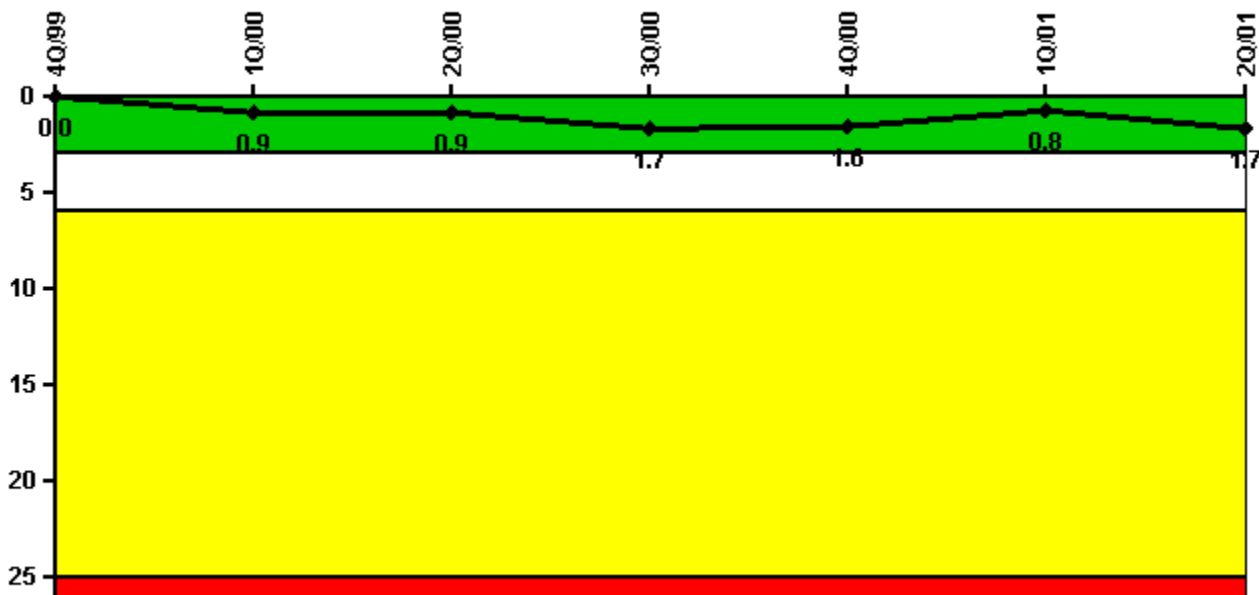


Byron 2

2Q/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	2Q/01
Unplanned scrams	0	1.0	0	1.0	0	0	1.0
Critical hours	1650.1	2156.5	2183.0	2192.1	2209.0	2160.0	1795.3
Indicator value	0	0.9	0.9	1.7	1.6	0.8	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



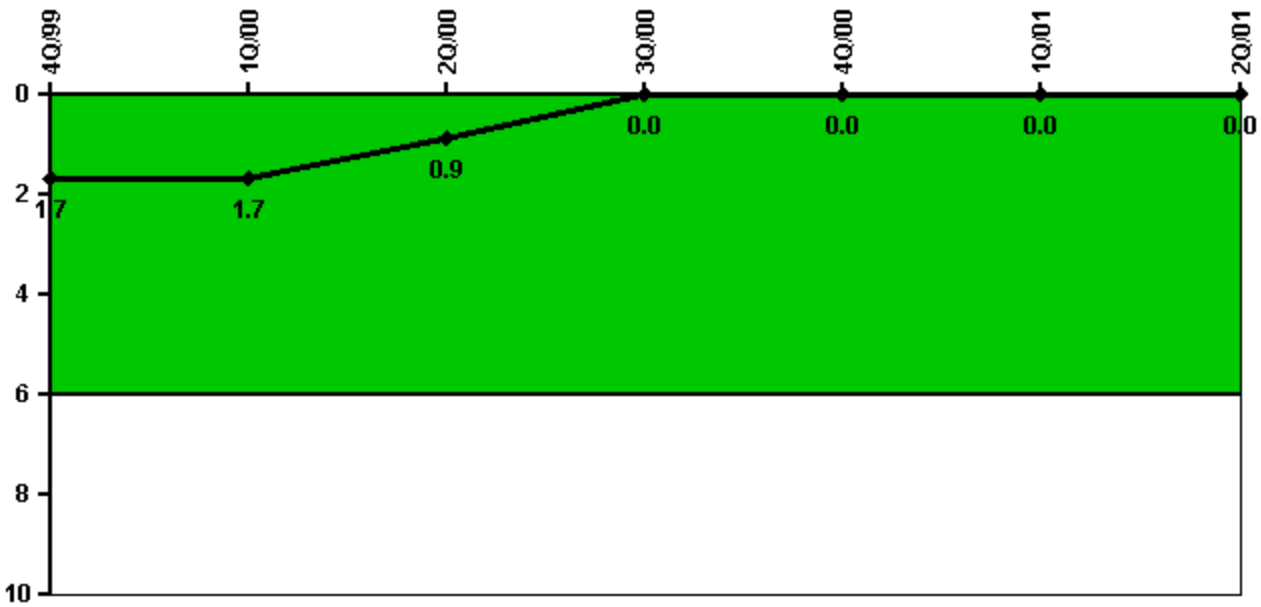
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



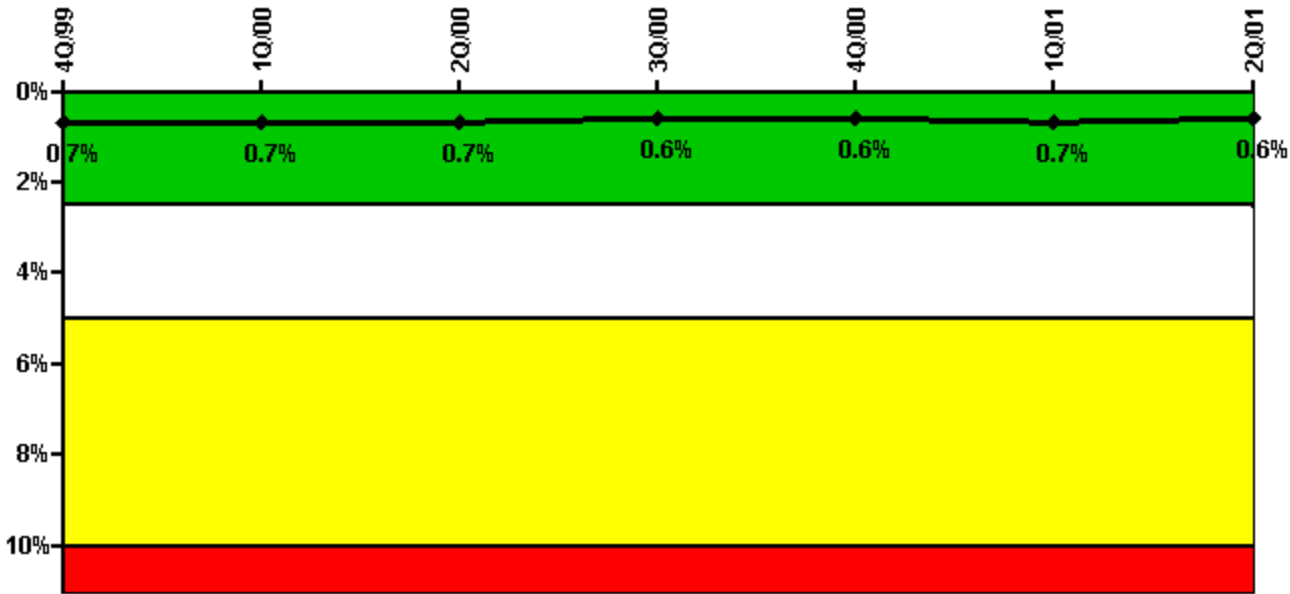
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	0	0	0	0	0
Critical hours	1650.1	2156.5	2183.0	2192.1	2209.0	2160.0	1795.3
Indicator value	1.7	1.7	0.9	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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0	16.30	0	0	0.20	17.50	0
Unplanned unavailable hours	10.60	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	3.20	0	8.00	0.32	0	0	6.20
Unplanned unavailable hours	1.30	0	27.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.7%	0.7%	0.7%	0.6%	0.6%	0.7%	0.6%

Licensee Comments:

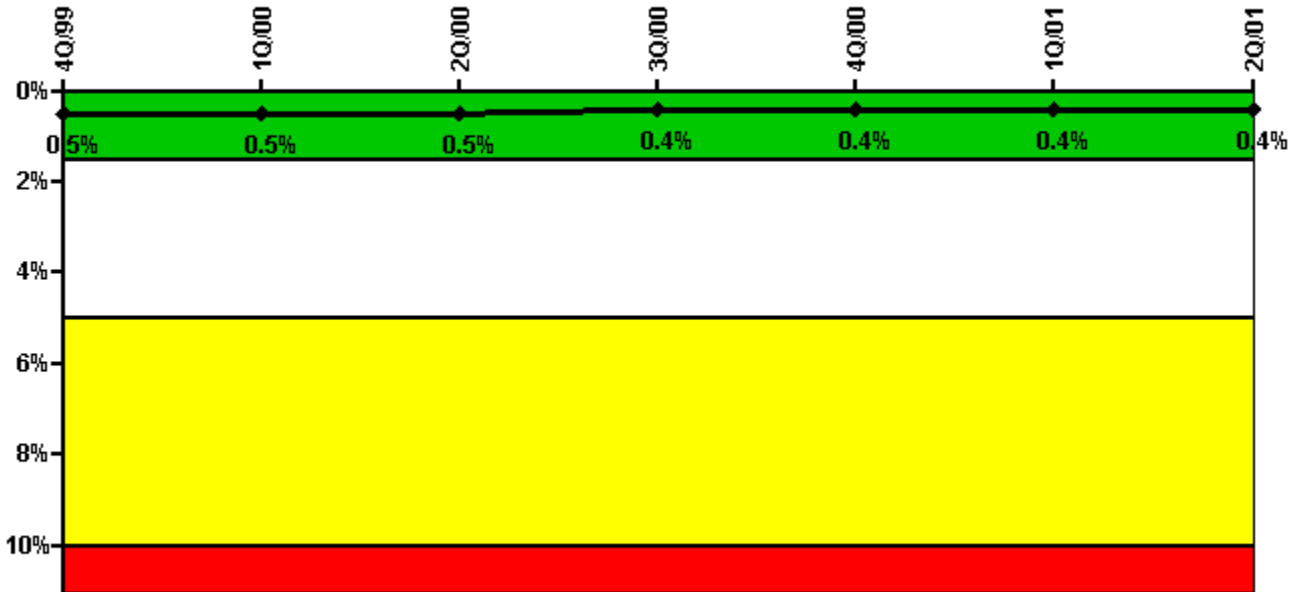
2Q/00: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Emergency AC Power system for Byron Unit 2. Data for the months of May 1999, July 1999, September 1999, May 2000, and July 2001 was revised as appropriate for consistency with FAQ 297, which was posted on December 13, 2001. The change to the data does not affect the color of the indicator.

3Q/99: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Emergency AC Power system for Byron Unit 2. Data for the months of May 1999, July 1999, September 1999, May 2000, and July 2001 was revised as appropriate for consistency with FAQ 297, which was posted on December 13, 2001. The change to the data does not affect the color of the indicator.

2Q/99: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Emergency AC Power system for Byron Unit 2. Data for the months of May 1999, July 1999, September 1999, May 2000, and July 2001 was revised as appropriate for consistency with FAQ 297, which was posted on December 13, 2001. The change to the data does not affect the color of the indicator.

of the indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

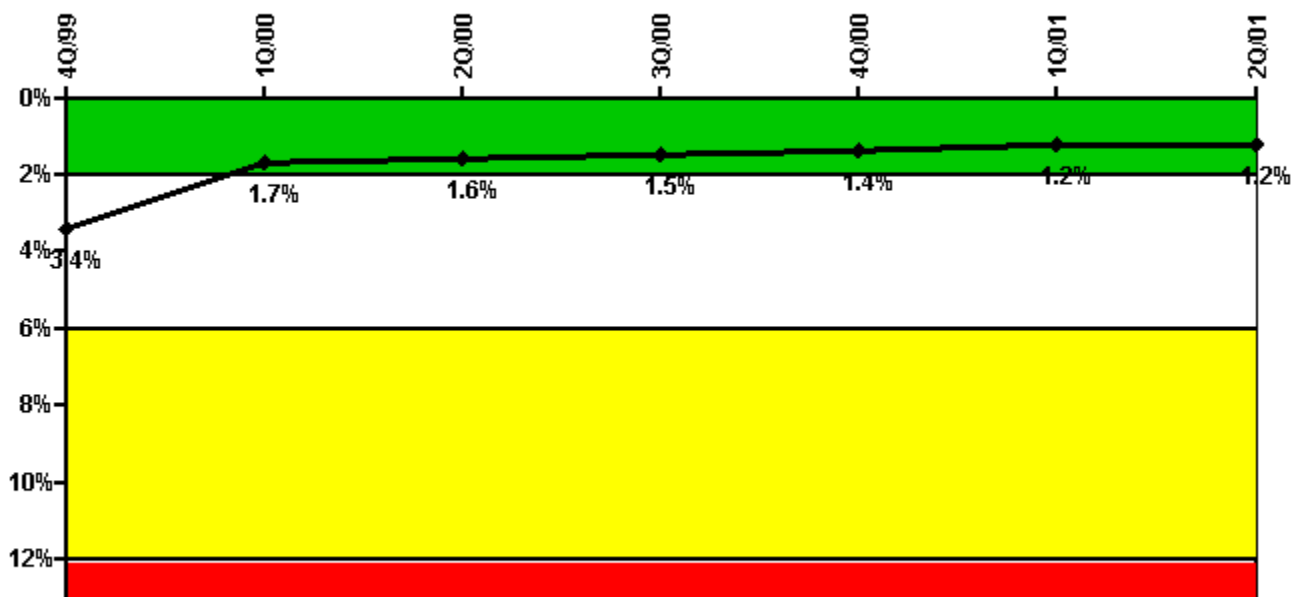
Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	1.30	0.90	1.50	0.50	12.90	42.70	18.50
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1650.07	2156.48	2183.00	2192.13	2209.00	2160.00	1795.32
Train 2							
Planned unavailable hours	2.00	1.40	0.90	1.10	0.40	13.93	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1650.07	2156.48	2183.00	2192.13	2209.00	2160.00	1795.32
Train 3							
Planned unavailable hours	0	42.00	9.80	0	0	1.60	10.70
Unplanned unavailable hours	0	14.80	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1650.07	2156.48	2183.00	2192.13	2209.00	2160.00	1795.32
Train 4							
Planned unavailable hours	0	0	0	0	19.40	9.18	0
Unplanned unavailable hours	0	0	0	0	0	0	0

Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1650.07	2156.48	2183.00	2192.13	2209.00	2160.00	1795.32
Indicator value	0.5%	0.5%	0.5%	0.4%	0.4%	0.4%	0.4%

Licensee Comments:

4Q/00: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the High Pressure Safety Injection system for Byron Unit 2. Data for the months of November 2000 and September 2001 was revised as appropriate for consistency with FAQ 297, which was posted on December 13, 2001. The change to the data does not affect the color of the indicator.

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	2Q/01
Train 1							
Planned unavailable hours	10.50	24.00	1.80	1.80	2.40	2.70	1.80
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1650.07	2156.48	2183.00	2192.13	2209.00	2160.00	1795.32
Train 2							
Planned unavailable hours	20.30	23.70	4.40	1.80	2.00	2.70	17.10
Unplanned unavailable hours	10.40	0	0	0	0	0	0
Fault exposure hours	180.70	0	0	0	0	0	0
Effective Reset hours	0	872.60	0	0	0	0	0

Required hours	1650.07	2156.48	2183.00	2192.13	2209.00	2160.00	1795.32
Indicator value	3.4%	1.7%	1.6%	1.5%	1.4%	1.2%	1.2%

Licensee Comments:

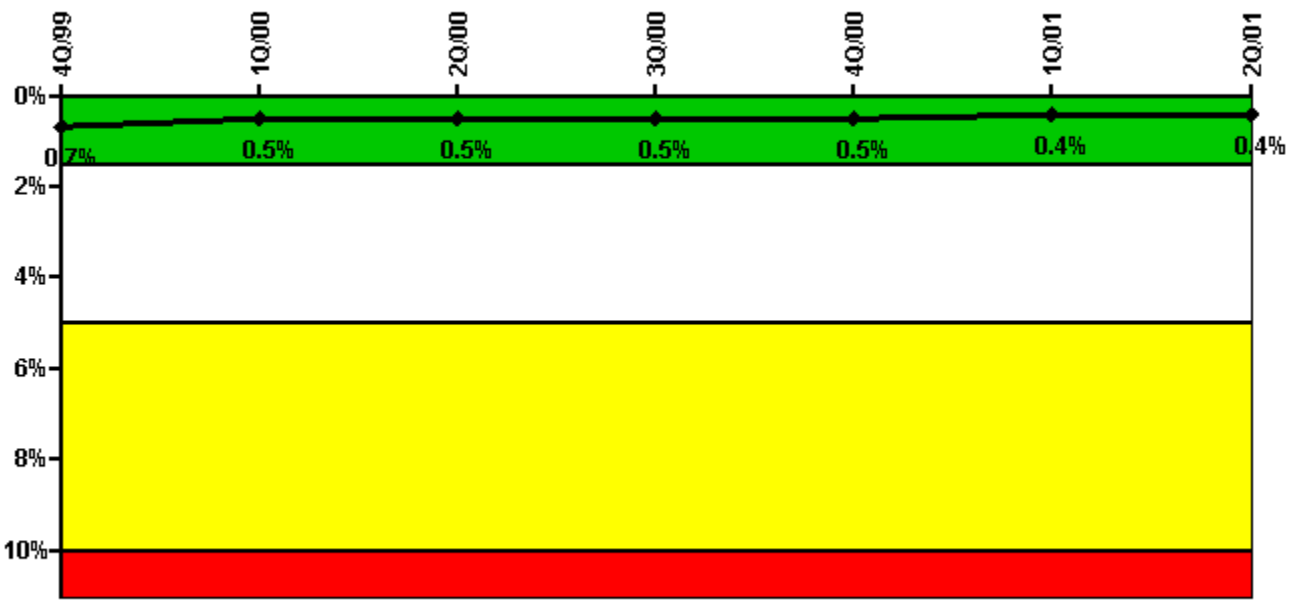
2Q/99: A change was made to historical data for the Safety System Unavailability (SSU) Heat Removal System performance indicator (PI) for Byron Unit 2. This change was done to address an internal NEI PI website database problem. This change restores the historical database to agree with data as previously submitted to the NRC and does not change any data already sent to the NRC. The months of March 1999, April 1999, and May 1999 were affected. The change has no affect on performance indicator color.

1Q/99: A change was made to historical data for the Safety System Unavailability (SSU) Heat Removal System performance indicator (PI) for Byron Unit 2. This change was done to address an internal NEI PI website database problem. This change restores the historical database to agree with data as previously submitted to the NRC and does not change any data already sent to the NRC. The months of March 1999, April 1999, and May 1999 were affected. The change has no affect on performance indicator color.

Effective Reset Comments:

1Q/00: Previously reset hours were reset under the new process, for removal of 872.6 fault exposure hours from May 13, 1997 event on 2B Auxiliary Feedwater train. The change does not affect current performance indicator color.

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	2Q/01
Train 1							
Planned unavailable hours	5.40	2.40	8.50	0.40	44.00	0.30	3.00
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0

Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	2.30	2.10	2.60	1.30	0.60	1.12	1.00
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.7%	0.5%	0.5%	0.5%	0.5%	0.4%	0.4%

Licensee Comments:

1Q/01: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Residual Heat Removal (RHR) System for Byron Unit 2. An incorrect value for May 2000 for Unit 2 B RHR train was previously reported. Additionally, Unit 2 RHR system data for the months of May 2000, July 2000, August 2000, September 2000, October 2000, and January 2001 was revised as appropriate for consistency with FAQ 152 which was posted on 4-1-00 and remained in place through 6-30-01. The change to the data does not affect the color of the indicator.

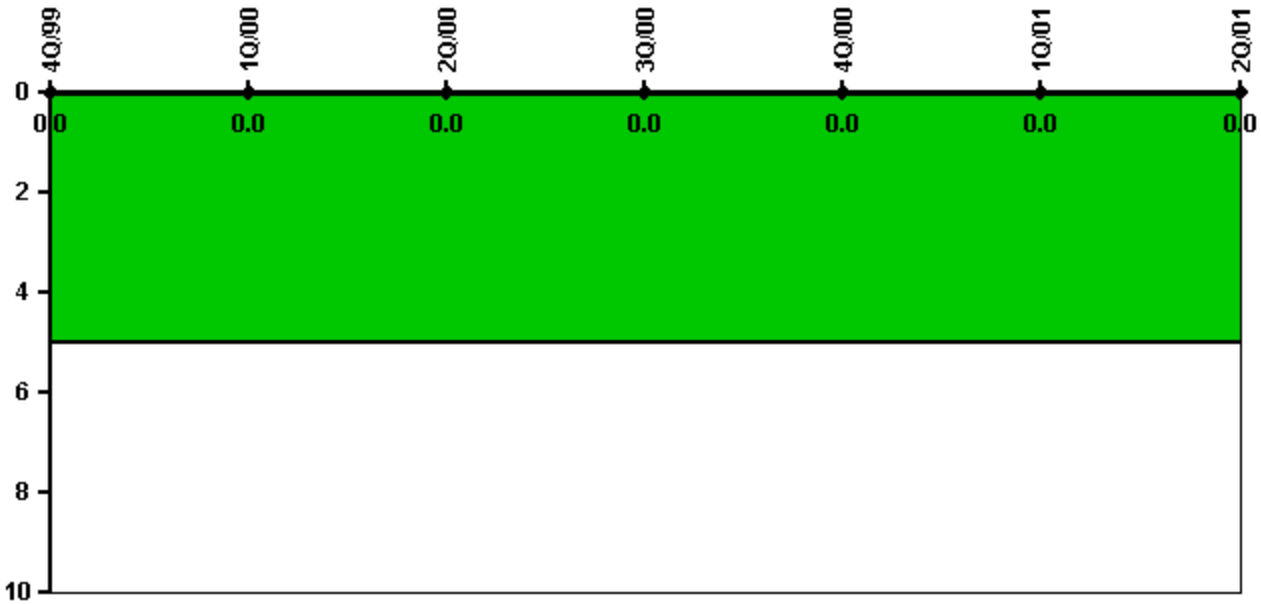
4Q/00: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Residual Heat Removal (RHR) System for Byron Unit 2. An incorrect value for May 2000 for Unit 2 B RHR train was previously reported. Additionally, Unit 2 RHR system data for the months of May 2000, July 2000, August 2000, September 2000, October 2000, and January 2001 was revised as appropriate for consistency with FAQ 152 which was posted on 4-1-00 and remained in place through 6-30-01. The change to the data does not affect the color of the indicator. A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Residual Heat Removal system for Byron Unit 2. Data for the month of November 2000 was revised as appropriate for consistency with FAQ 297, which was posted on December 13, 2001. The change to the data does not affect the color of the indicator.

4Q/00: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Residual Heat Removal (RHR) System for Byron Unit 2. An incorrect value for May 2000 for Unit 2 B RHR train was previously reported. Additionally, Unit 2 RHR system data for the months of May 2000, July 2000, August 2000, September 2000, October 2000, and January 2001 was revised as appropriate for consistency with FAQ 152 which was posted on 4-1-00 and remained in place through 6-30-01. The change to the data does not affect the color of the indicator.

3Q/00: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Residual Heat Removal (RHR) System for Byron Unit 2. An incorrect value for May 2000 for Unit 2 B RHR train was previously reported. Additionally, Unit 2 RHR system data for the months of May 2000, July 2000, August 2000, September 2000, October 2000, and January 2001 was revised as appropriate for consistency with FAQ 152 which was posted on 4-1-00 and remained in place through 6-30-01. The change to the data does not affect the color of the indicator.

2Q/00: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Residual Heat Removal (RHR) System for Byron Unit 2. An incorrect value for May 2000 for Unit 2 B RHR train was previously reported. Additionally, Unit 2 RHR system data for the months of May 2000, July 2000, August 2000, September 2000, October 2000, and January 2001 was revised as appropriate for consistency with FAQ 152 which was posted on 4-1-00 and remained in place through 6-30-01. The change to the data does not affect the color of the indicator.

Safety System Functional Failures (PWR)



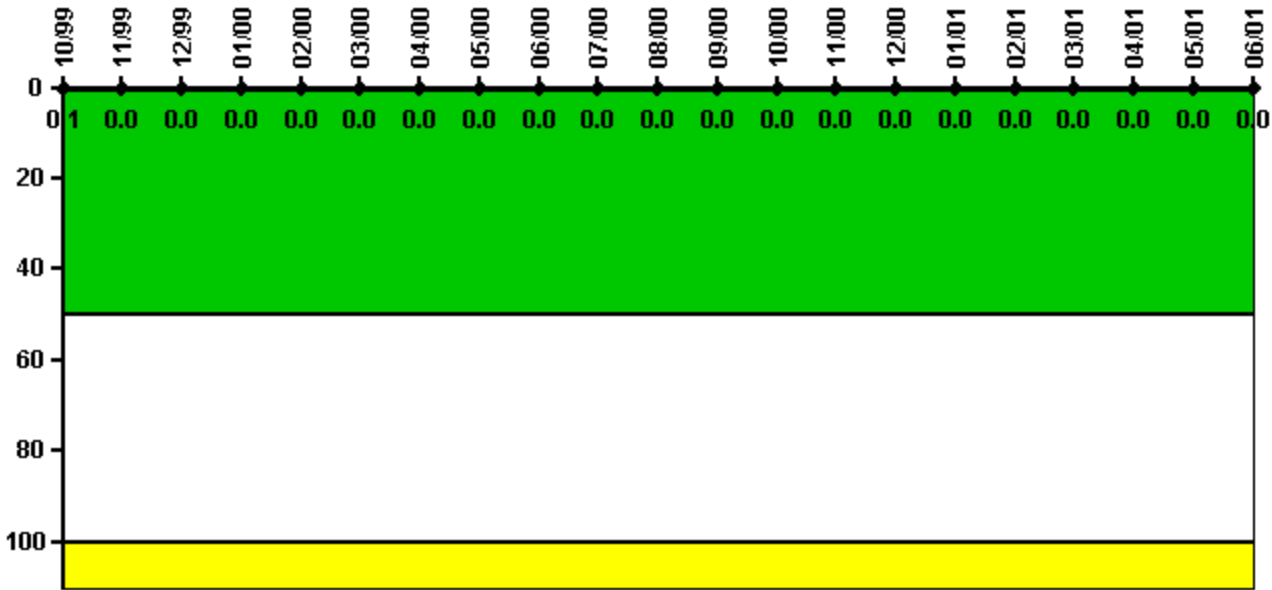
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

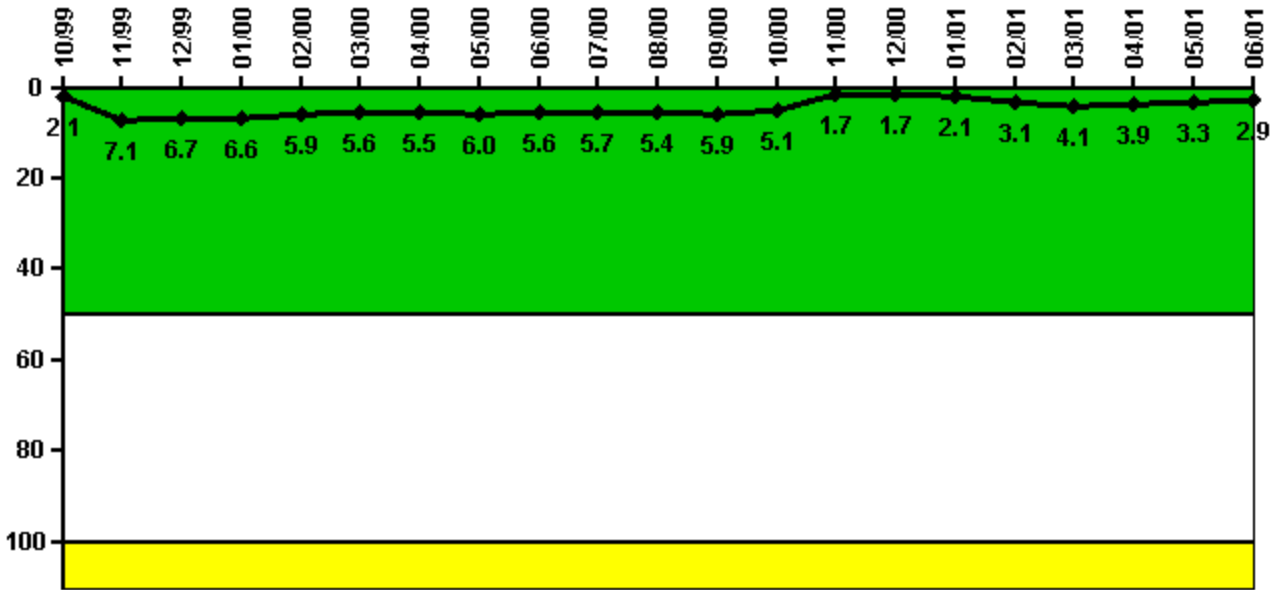
Notes

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	0.000818	0.000196	0.000213	0.000231	0.000243	0.000263	0.000294	0.000309	0.000334	0.000321	0.000354	0.000354
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000342	0.000372	0.000366	0.000366	0.000410	0.000438	0.000450	0.000250	0.000277
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

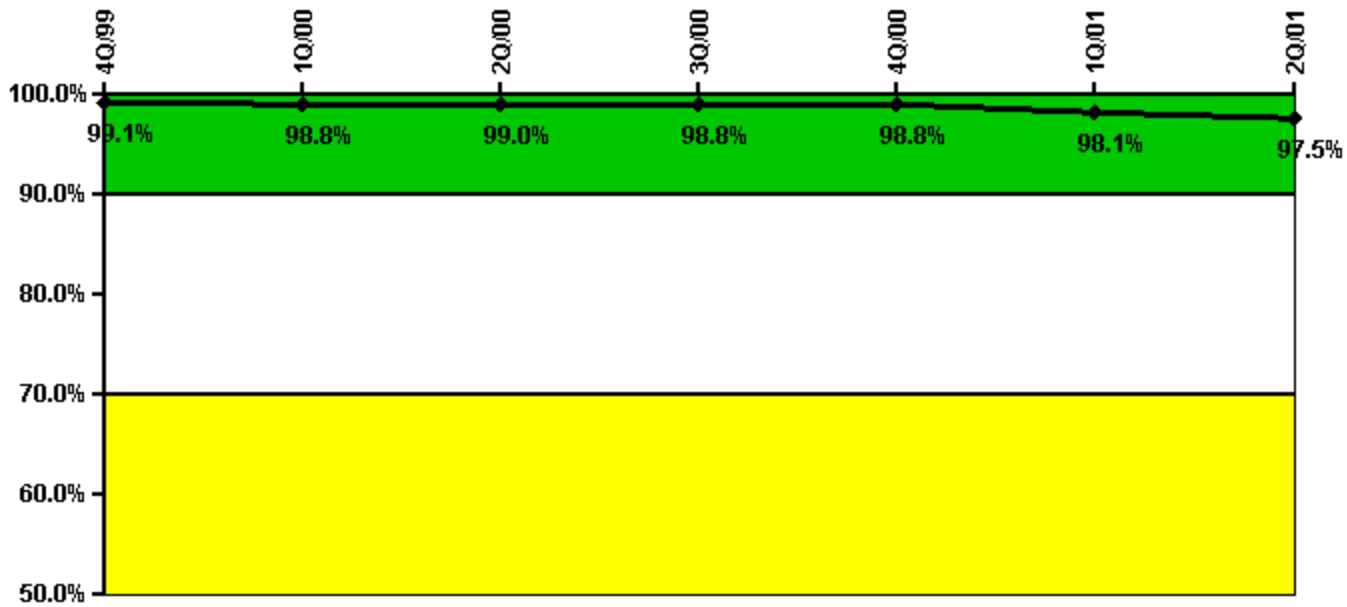
Notes

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	0.205	0.707	0.674	0.659	0.586	0.562	0.550	0.600	0.561	0.567	0.545	0.594
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	2.1	7.1	6.7	6.6	5.9	5.6	5.5	6.0	5.6	5.7	5.4	5.9

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.514	0.172	0.169	0.209	0.314	0.406	0.395	0.329	0.289
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	5.1	1.7	1.7	2.1	3.1	4.1	3.9	3.3	2.9

Licensee Comments: none

Drill/Exercise Performance



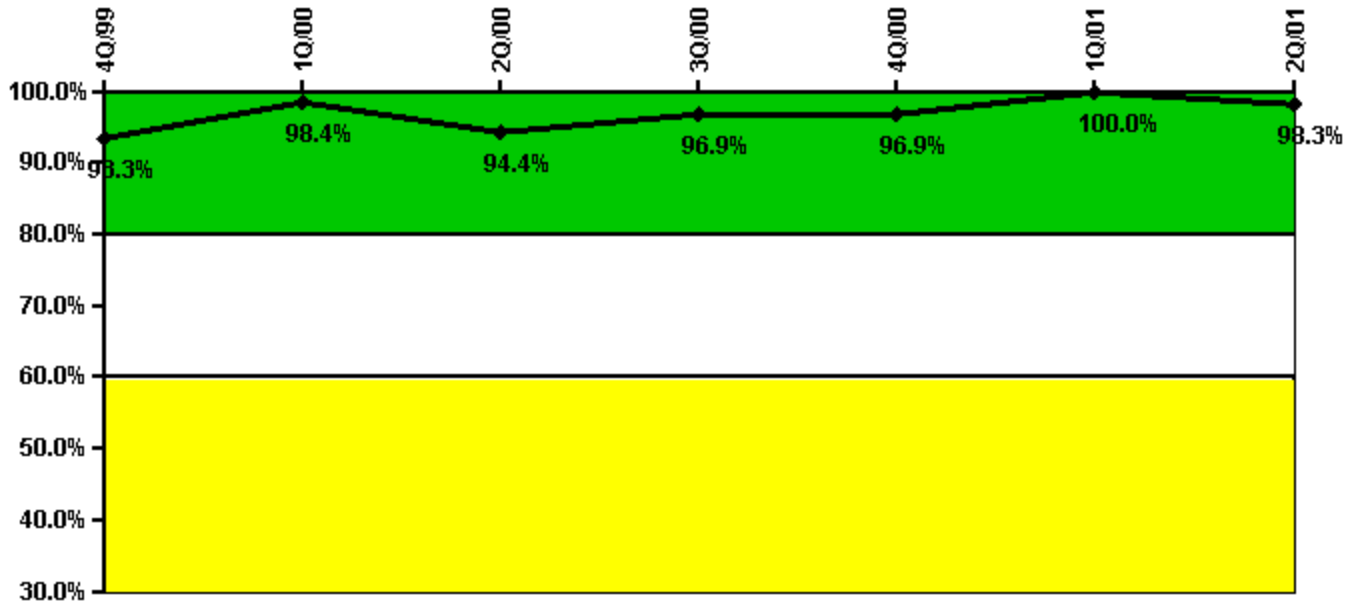
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	4.0	63.0	30.0	49.0	0	14.0	0
Total opportunities	4.0	64.0	30.0	50.0	0	16.0	0
Indicator value	99.1%	98.8%	99.0%	98.8%	98.8%	98.1%	97.5%

Licensee Comments: none

ERO Drill Participation



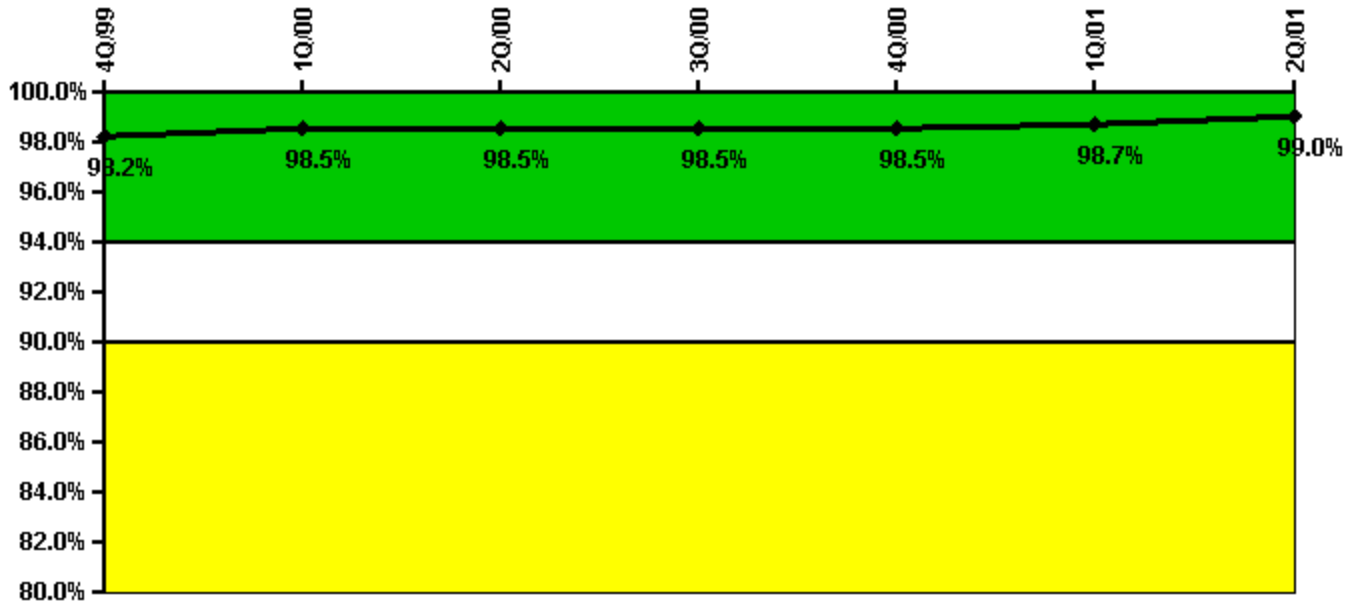
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	56.0	61.0	68.0	63.0	63.0	63.0	59.0
Total Key personnel	60.0	62.0	72.0	65.0	65.0	63.0	60.0
Indicator value	93.3%	98.4%	94.4%	96.9%	96.9%	100.0%	98.3%

Licensee Comments: none

Alert & Notification System



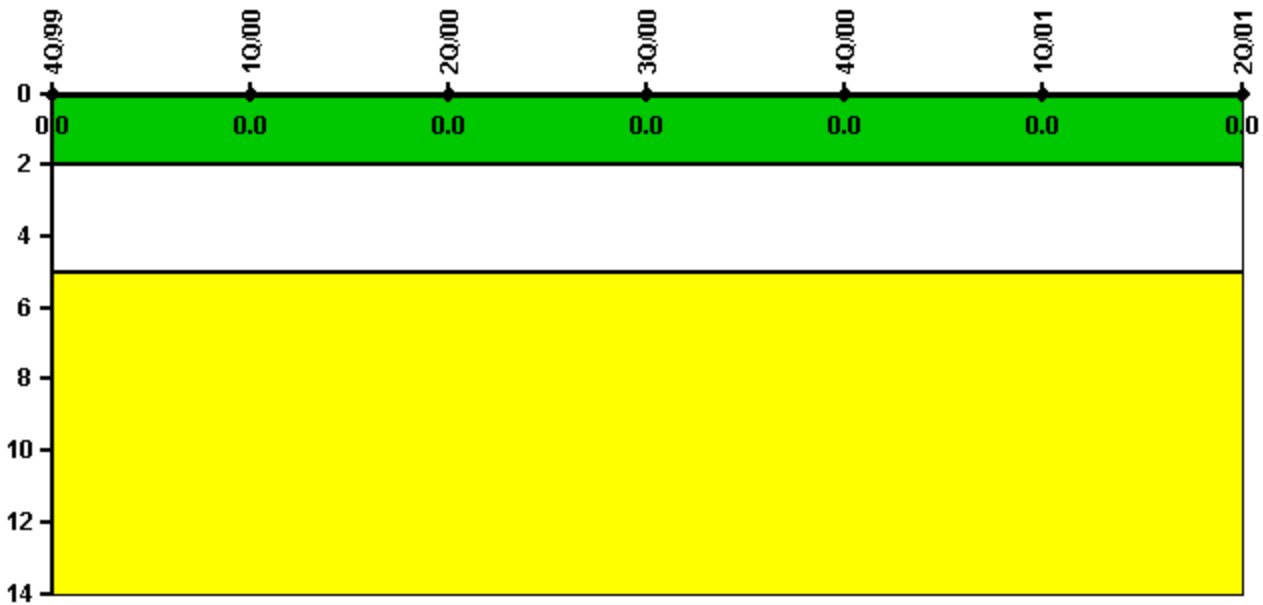
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	5883	6000	5915	5821	5864	5964	5978
Total sirens-tests	5922	6110	6016	5922	5922	6016	6016
Indicator value	98.2%	98.5%	98.5%	98.5%	98.5%	98.7%	99.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



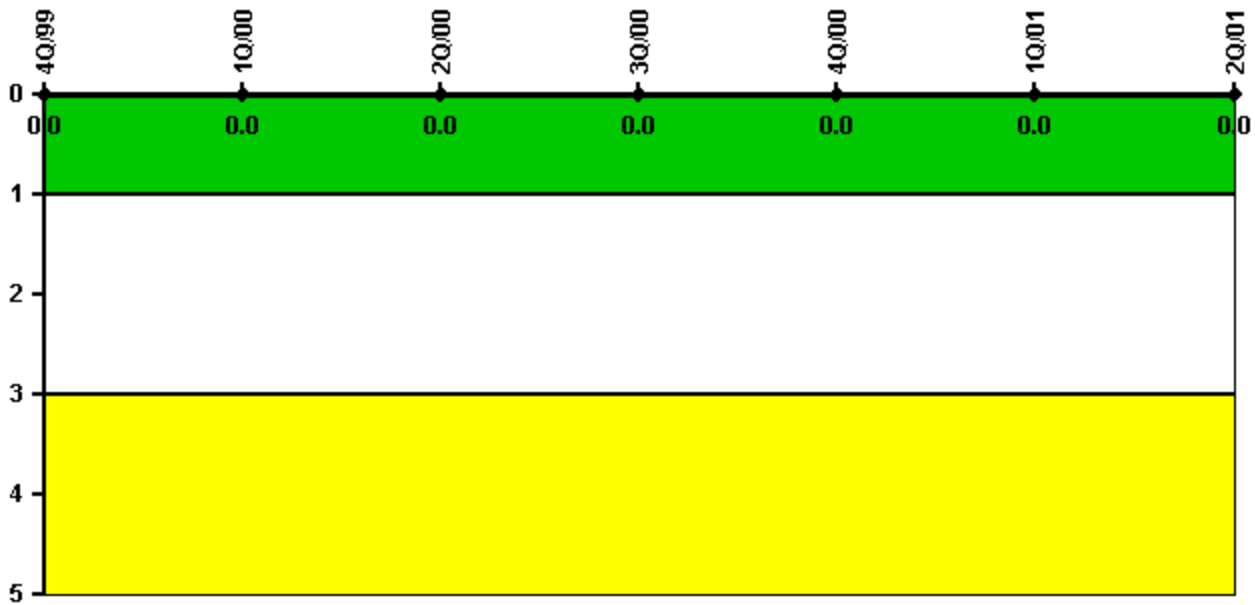
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



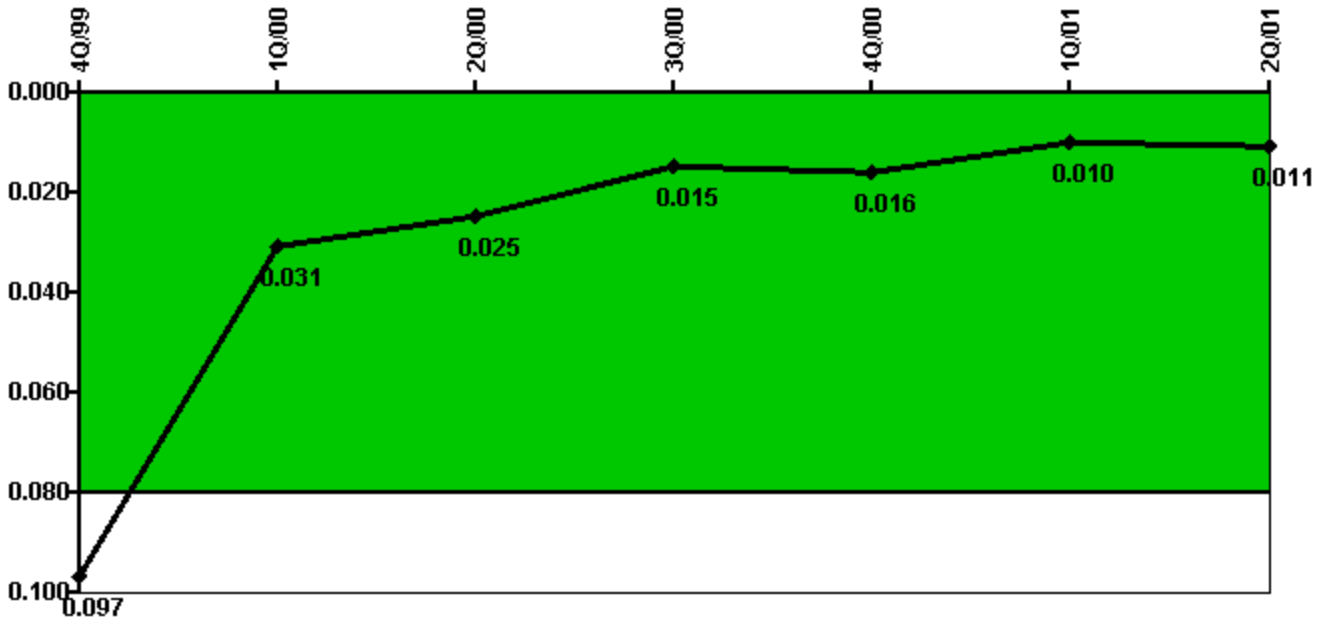
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



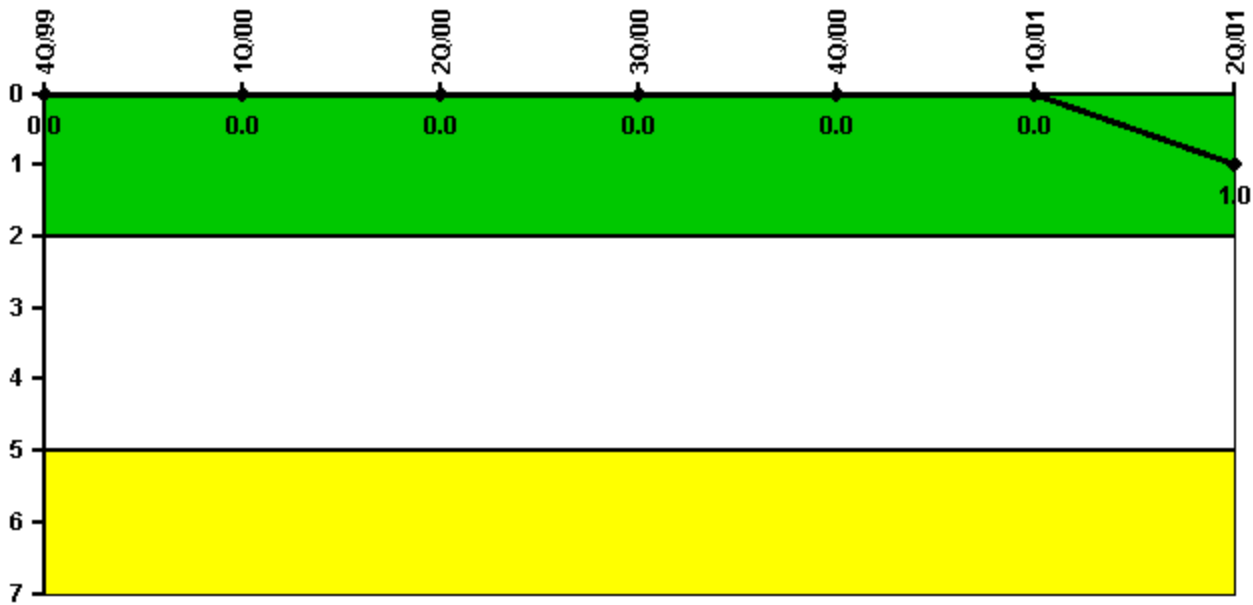
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	57.60	57.60	57.60	93.10	17.43	21.85	92.99
CCTV compensatory hours	6.5	67.8	6.8	0	37.5	2.6	0
IDS normalization factor	1.40	1.40	1.40	1.40	1.40	1.40	1.40
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.097	0.031	0.025	0.015	0.016	0.010	0.011

Licensee Comments: none

Personnel Screening Program



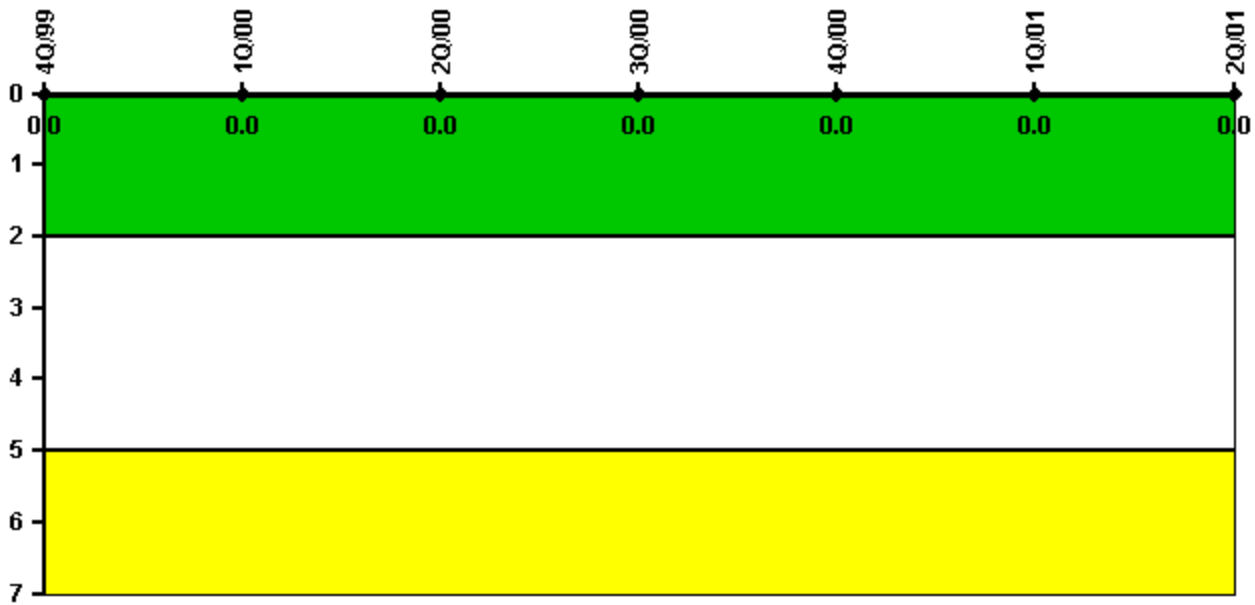
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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	2Q/01
Program Failures	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 27, 2002