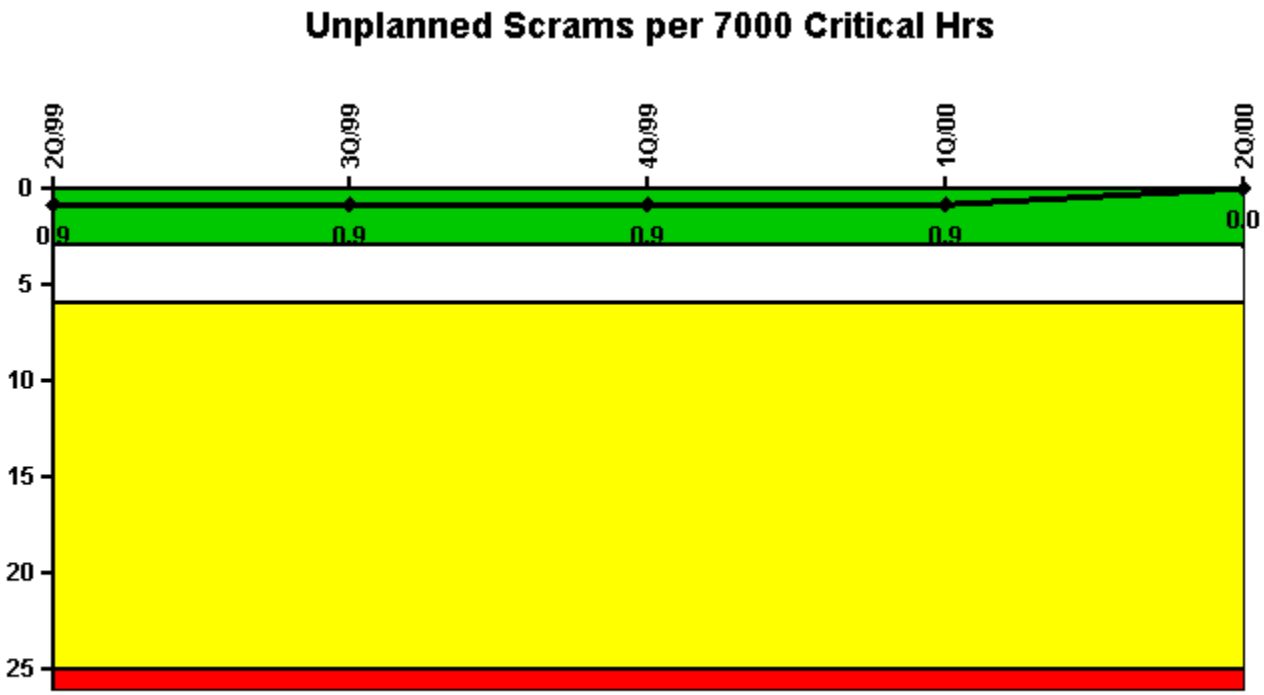
Byron 1

2Q/2000 Performance Indicators

Licensee's General Comments: none



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

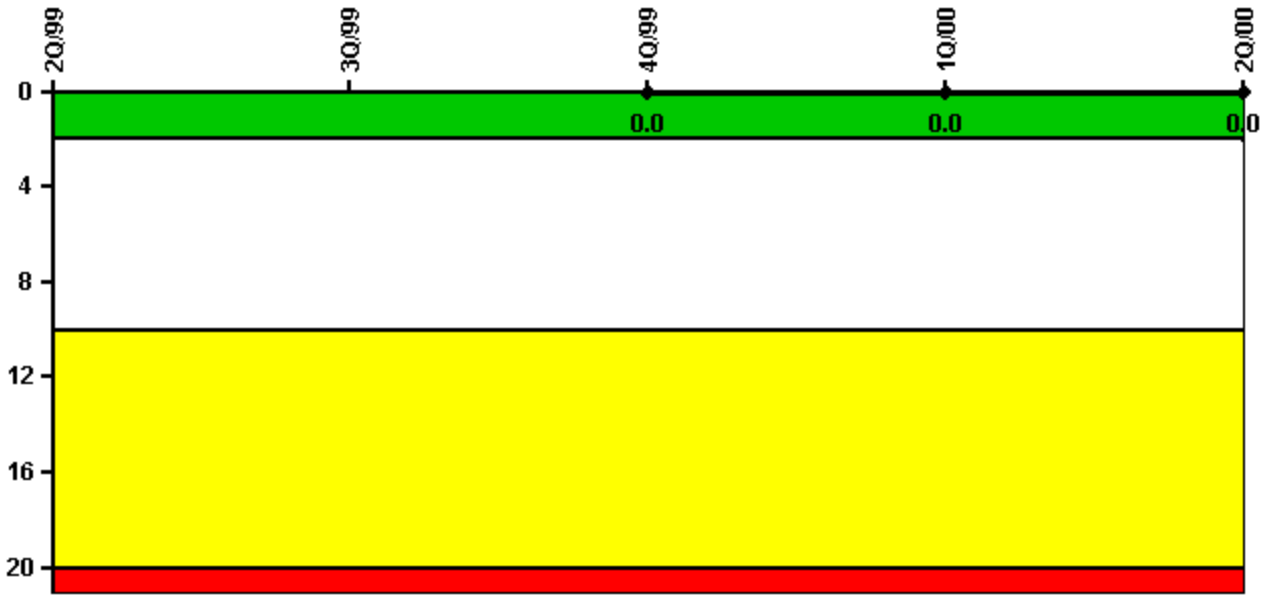
Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	1.0	0	0	0	0
Critical hours	1519.3	2208.0	2209.0	2184.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments:

4Q/99: A change was made to historical data for the Unplanned Scrams per 7,000 Critical Hours performance indicator (PI) for Byron Unit 1. 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 September 1999, October 1999, and November 1999 were affected. The change has no affect on performance indicator color.

3Q/99: A change was made to historical data for the Unplanned Scrams per 7,000 Critical Hours performance indicator (PI) for Byron Unit 1. 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 September 1999, October 1999, and November 1999 were affected. The change has no affect on performance indicator color.

Scrams with Loss of Normal Heat Removal



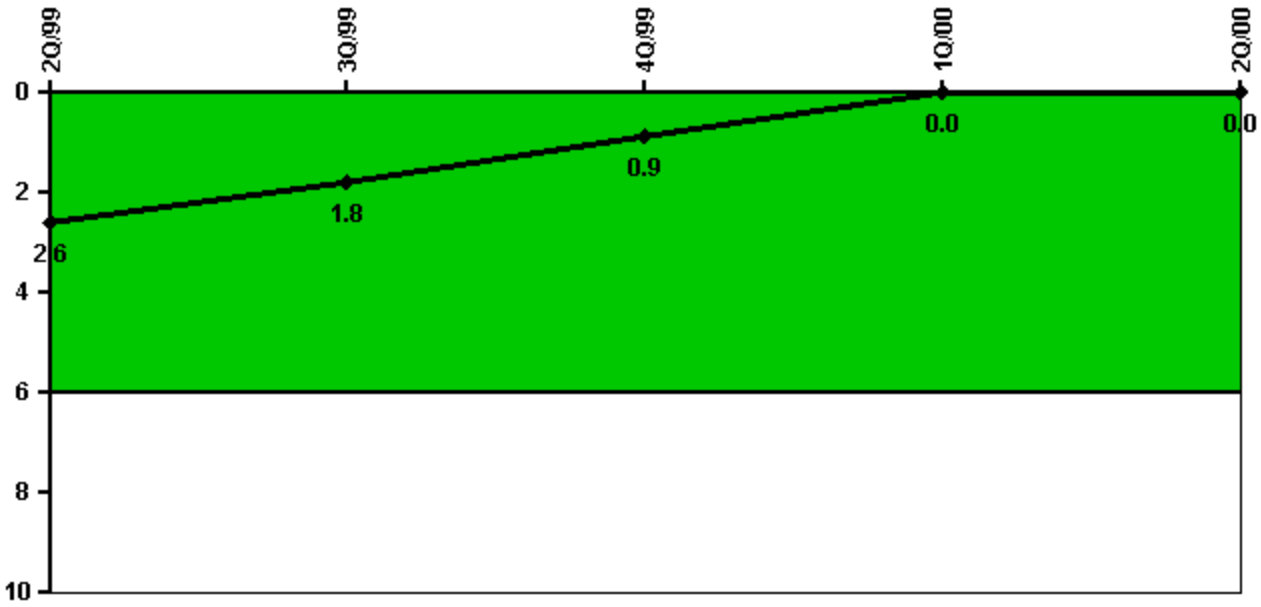
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



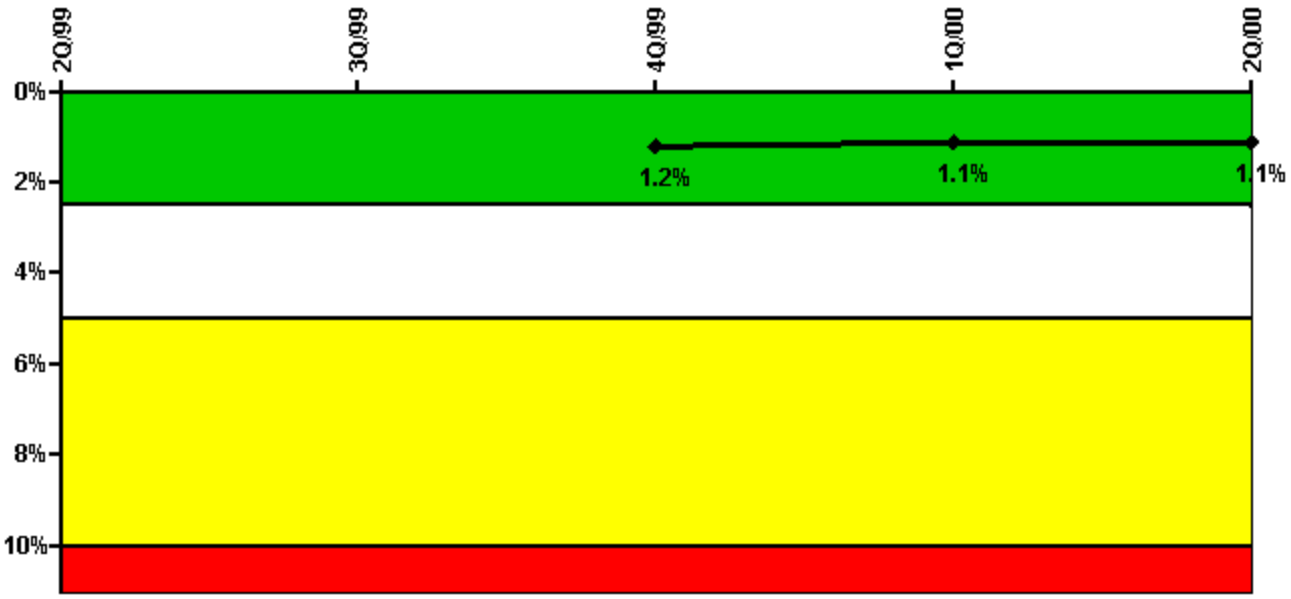
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	1519.3	2208.0	2209.0	2184.0	2183.0
Indicator value	**2.6**	**1.8**	**0.9**	**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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	3.40	21.30	16.60	0	13.40
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	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	77.90	0	1.00	14.60	0
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	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value			**1.2%**	**1.1%**	**1.1%**

Licensee Comments:

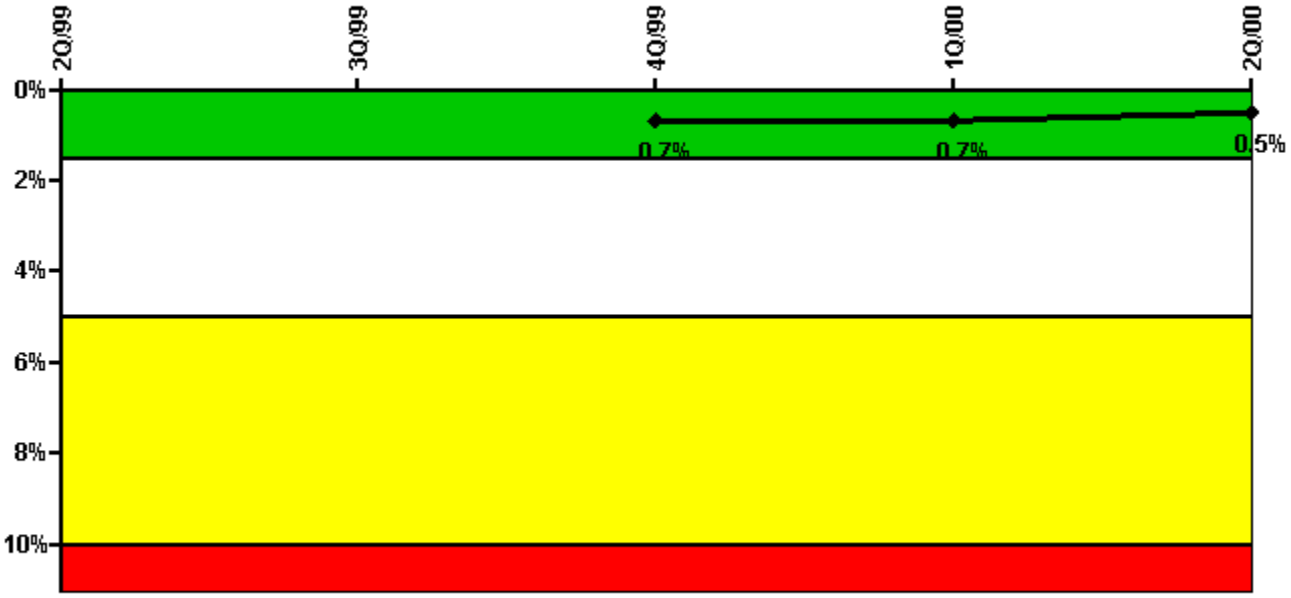
4Q/99: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Emergency AC Power system for Byron Unit 1. Data for the months of February 1999, May 1999, November 1999, and August 2000 was revised as appropriate for consistency with FAQ 297, which was posted on December 13, 2001. The change to the data does not affect the color of the indicator.

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 1. Data for the months of February 1999, May 1999, November 1999, and August 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.

1Q/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 1. Data for the months of February 1999, May 1999, November 1999, and August 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.

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

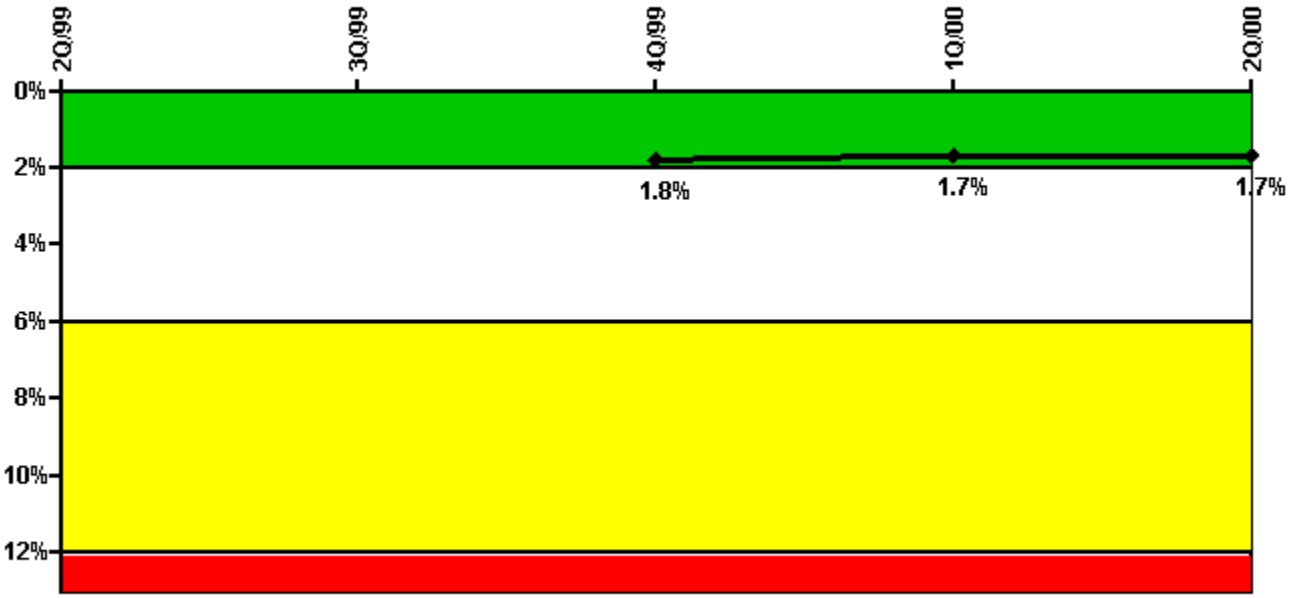
Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0.60	18.20	1.00	2.00	1.50
Unplanned unavailable hours	0	5.80	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1519.30	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	36.40	25.20	1.30	0.80	1.00
Unplanned unavailable hours	9.40	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1519.30	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	0	33.10	0	0	0
Unplanned unavailable hours	0	22.70	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1519.30	2208.00	2209.00	2184.00	2183.00
Train 4					
Planned unavailable hours	0	0	0	0	0
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	1519.30	2208.00	2209.00	2184.00	2183.00
Indicator value			**0.7%**	**0.7%**	**0.5%**

Licensee Comments:

1Q/99: 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 1. Data for the month of February 1999 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%

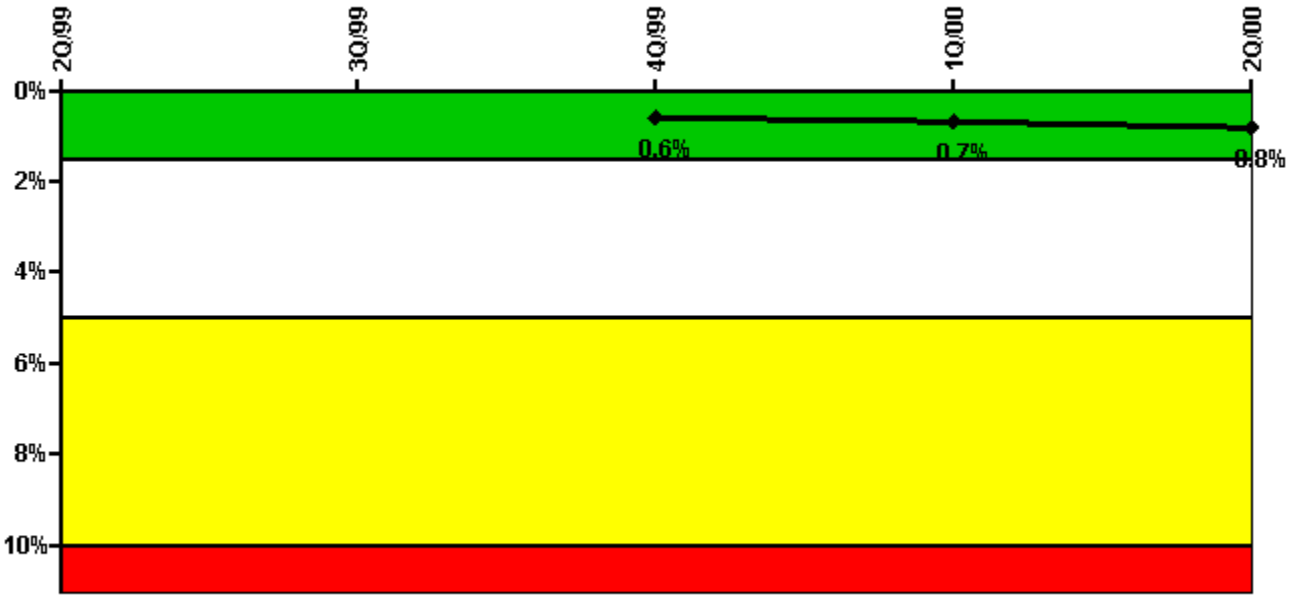
Notes

Safety System Unavailability, Heat Removal System (AFW)	**2Q/99**	**3Q/99**	**4Q/99**	**1Q/00**	**2Q/00**
Train 1					
Planned unavailable hours	23.10	11.80	14.70	35.70	7.20
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	1519.30	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	12.40	28.90	14.70	19.50	2.80
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	1519.30	2208.00	2209.00	2184.00	2183.00
Indicator value			**1.8%**	**1.7%**	**1.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

Notes

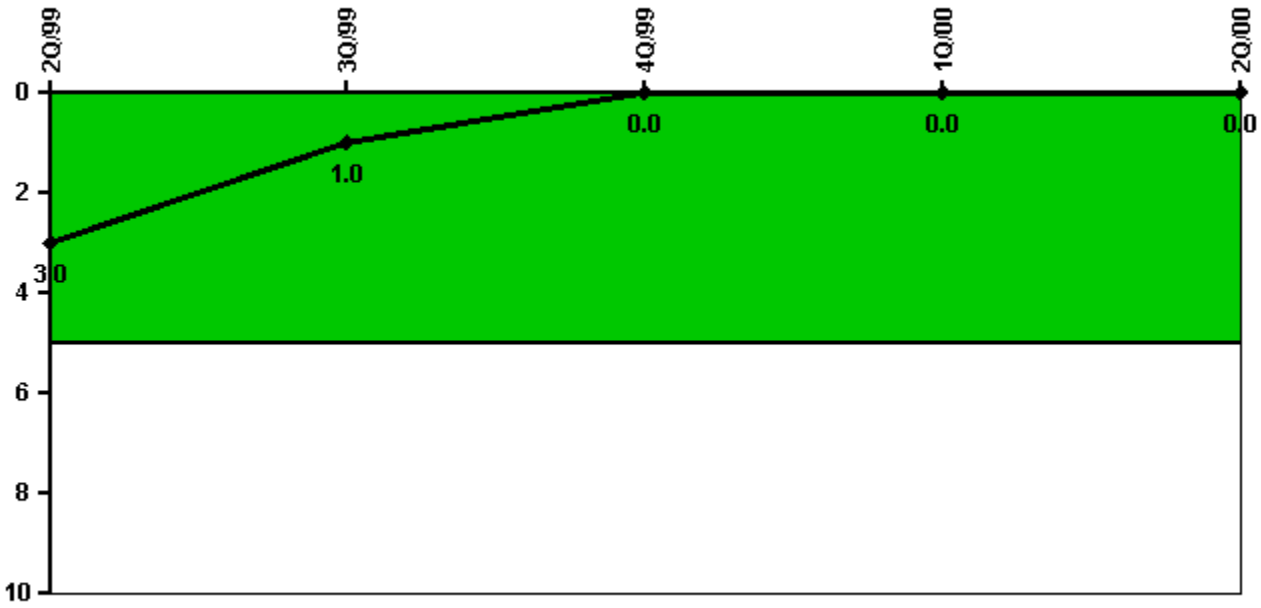
Safety System Unavailability, Residual Heat Removal System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	34.70	2.80	3.80	2.40	20.20
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	2.90	2.00	2.00	61.50	1.60
Unplanned unavailable hours	0	0	0	6.60	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value			**0.6%**	**0.7%**	**0.8%**

Licensee Comments:

2Q/00: Addition of 1.1 Planned Unavailability Hours from 5/02/00 on 1A Residual Heat Removal Train. This time is insignificant to the calculation of the Performance Indicator, and does not change the "color" of this indicator. 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 1. Unit 1 RHR system data for the months of May 2000, July 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: Addition of 1.1 Planned Unavailability Hours from 5/02/00 on 1A Residual Heat Removal Train. This time is insignificant to the calculation of the Performance Indicator, and does not change the "color" of this indicator.

Safety System Functional Failures (PWR)



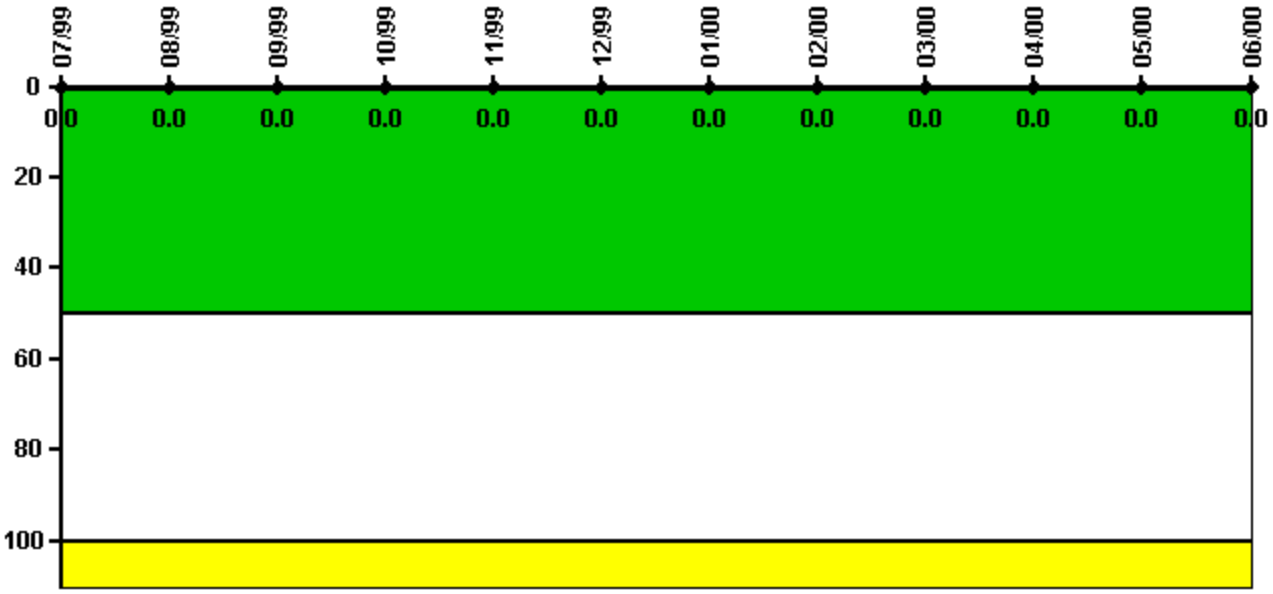
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



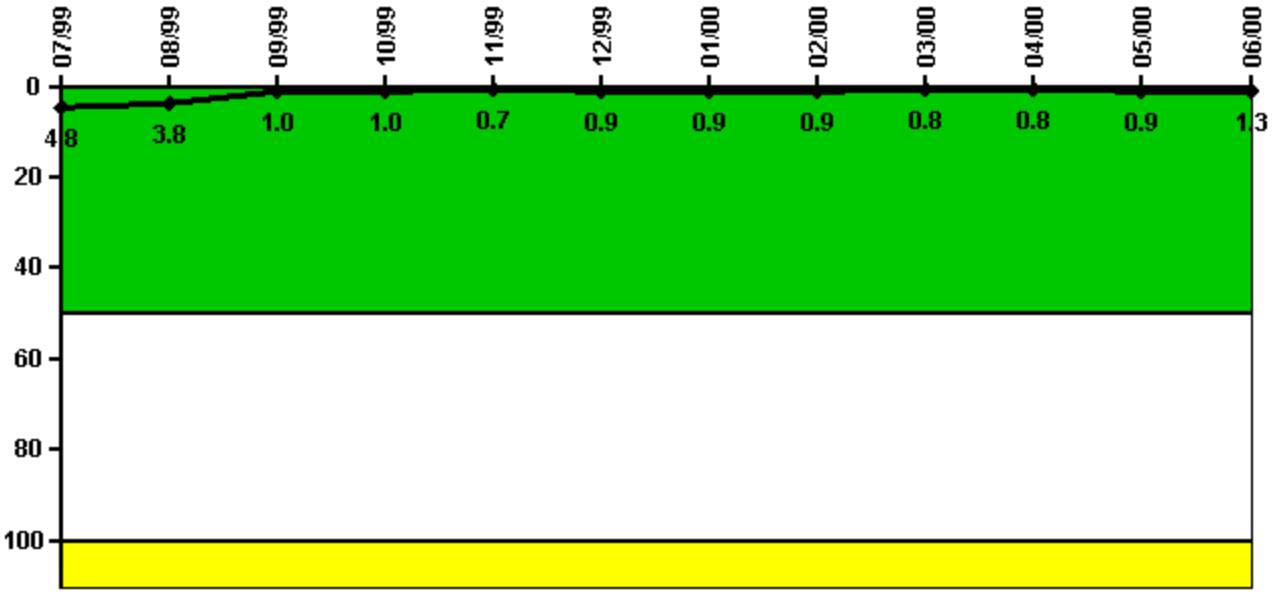
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.000256	0.000289	0.000284	0.000303	0.000337	0.000359	0.000360	0.000387	0.000378	0.000389	0.000414	0.000421
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

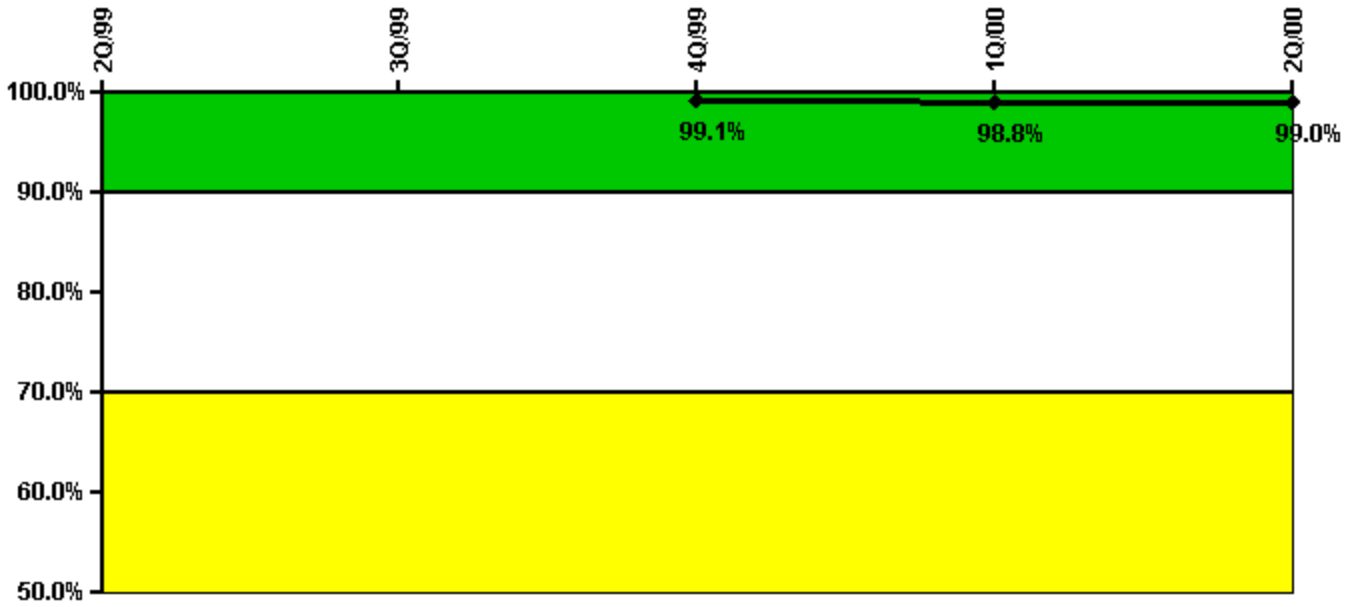
Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	0.477	0.383	0.104	0.101	0.075	0.086	0.090	0.088	0.080	0.081	0.091	0.128
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	**4.8**	**3.8**	**1.0**	**1.0**	**0.7**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.9**	**1.3**

Licensee Comments:

3/98: A revision has been made to previously submitted data for the Reactor Coolant System Identified Leak Rate (RCSL) performance indicator for Byron Unit 1. An incorrect value for maximum RCSL for March 1998 was previously reported. The change to the data does not affect the color of the indicator.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	54.0	39.0	4.0	63.0	30.0
Total opportunities	54.0	40.0	4.0	64.0	30.0
Indicator value			**99.1%**	**98.8%**	**99.0%**

Licensee Comments:

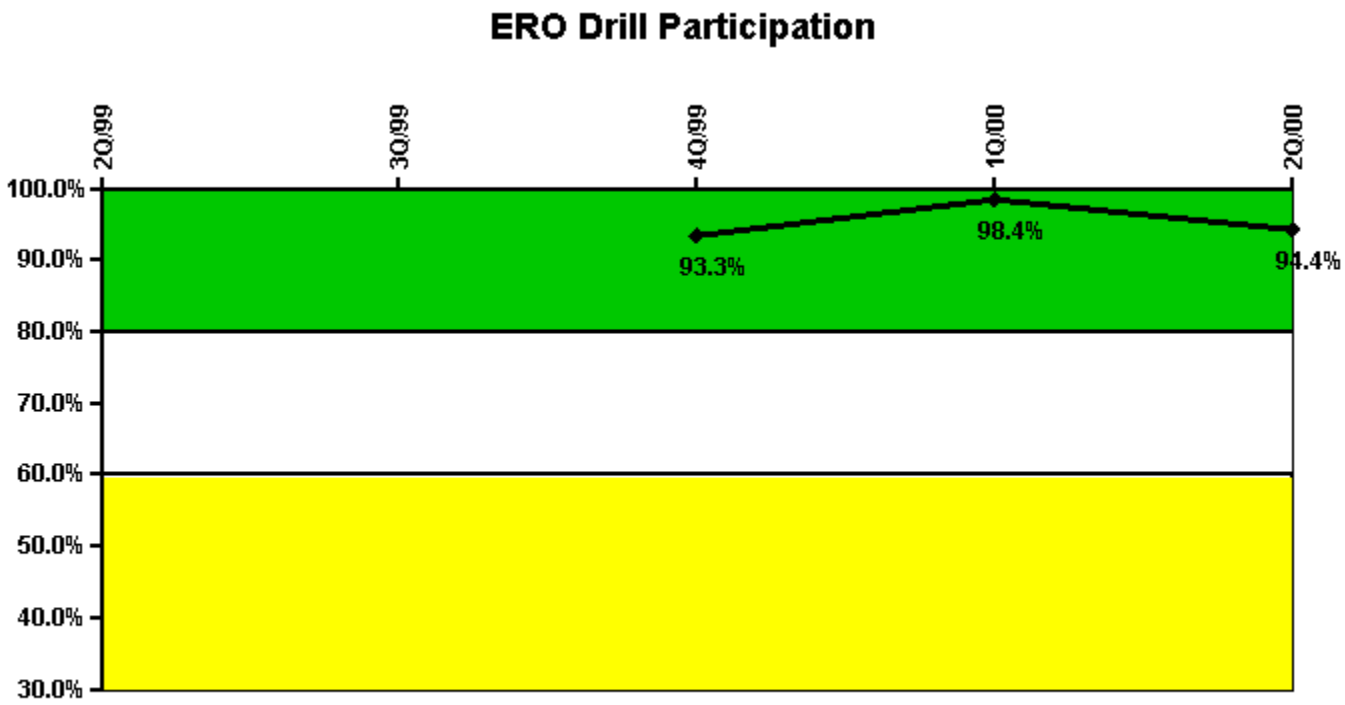
2Q/00: Commonwealth Edison (ComEd) Company has reviewed the guidance for determining the number of opportunities for the Nuclear Regulatory Commission Drill, Exercise and Event (DEP) Performance Indicator 08. The process ComEd uses is to make a notification for a concurrent classification of General Emergency and an initial Protective Action Recommendation (PAR) for that classification and cannot be logically separated into two notifications. The notification is made via the same call to the same audience. Success criteria requires both the classification and PAR to be timely and accurate to count as a success. Therefore the notification is counted as one opportunity instead of two as suggested by the Nuclear Energy Institute.

2Q/00: Commonwealth Edison (ComEd) Company has reviewed the guidance for determining the number of opportunities for the Nuclear Regulatory Commission Drill, Exercise and Event (DEP) Performance Indicator 08. The process ComEd uses is to make a notification for a concurrent classification of General Emergency and an initial Protective Action Recommendation (PAR) for that classification and cannot be logically separated into two notifications. The notification is made via the same call to the same audience. Success criteria requires both the classification and PAR to be timely and accurate to count as a success. Therefore the notification is counted as one opportunity instead of two as suggested by the Nuclear Energy Institute. A revision has been made to previously submitted data for the Emergency Preparedness Drill and Exercise Performance (DEP) indicator. Credit was given for DEP opportunities during some licensed operator requalification training simulator sets when they should not have been credited. Five months of data are affected and have been revised (8-99, 9-99, 10-99, 5-00, and 8-00). The change to the data does not affect the color of the indicator.

4Q/99: A revision has been made to previously submitted data for the Emergency Preparedness Drill and Exercise Performance (DEP) indicator. Credit was given for DEP opportunities during some licensed operator requalification training simulator sets when they should not have been credited. Five months of data are affected and have been revised (8-99, 9-99, 10-99, 5-00, and 8-00). 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 Emergency Preparedness Drill and Exercise Performance (DEP) indicator. Credit was given for DEP opportunities during some licensed operator requalification training simulator sets when they should not have been credited. Five months of data are affected and have been revised (8-99, 9-99, 10-99, 5-00, and 8-00). The change to the data does not affect

the color of the indicator.



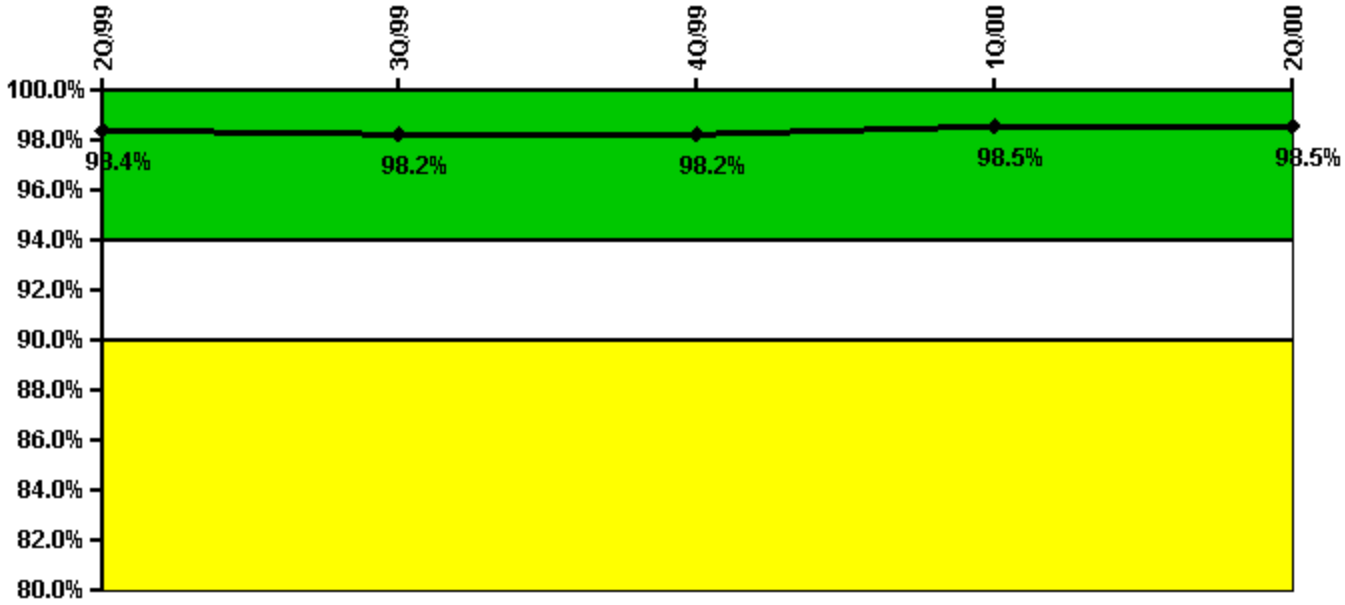
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			56.0	61.0	68.0
Total Key personnel			60.0	62.0	72.0
Indicator value			**93.3%**	**98.4%**	**94.4%**

Licensee Comments: none

Alert & Notification System



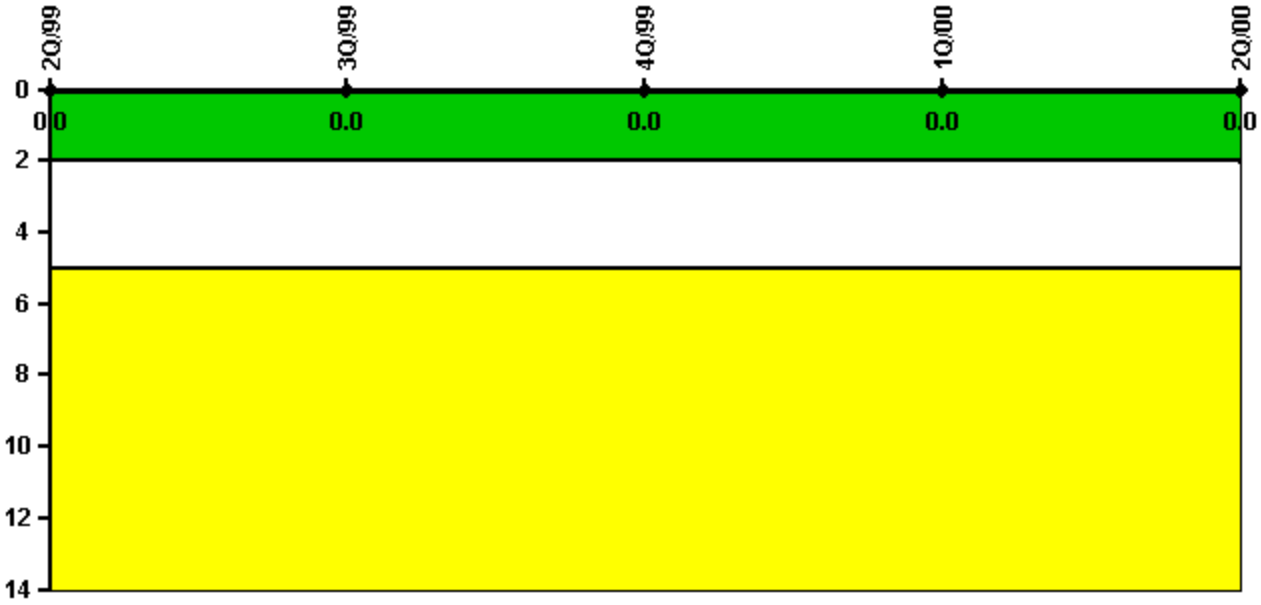
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	5913	5996	5883	6000	5915
Total sirens-tests	6016	6110	5922	6110	6016
Indicator value	**98.4%**	**98.2%**	**98.2%**	**98.5%**	**98.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



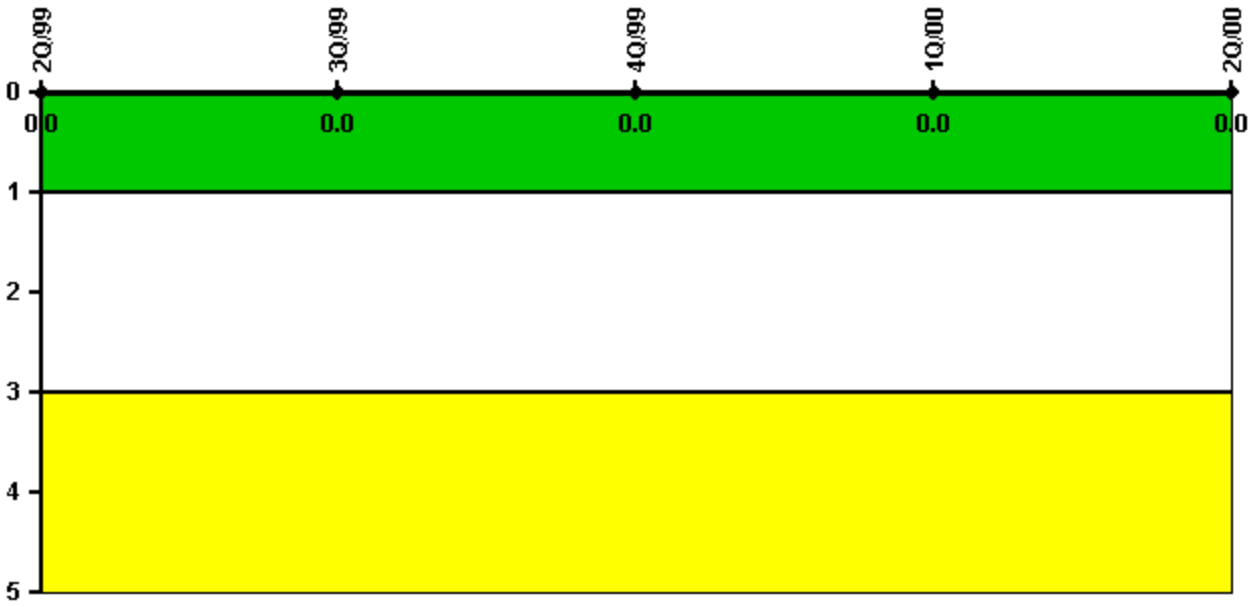
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

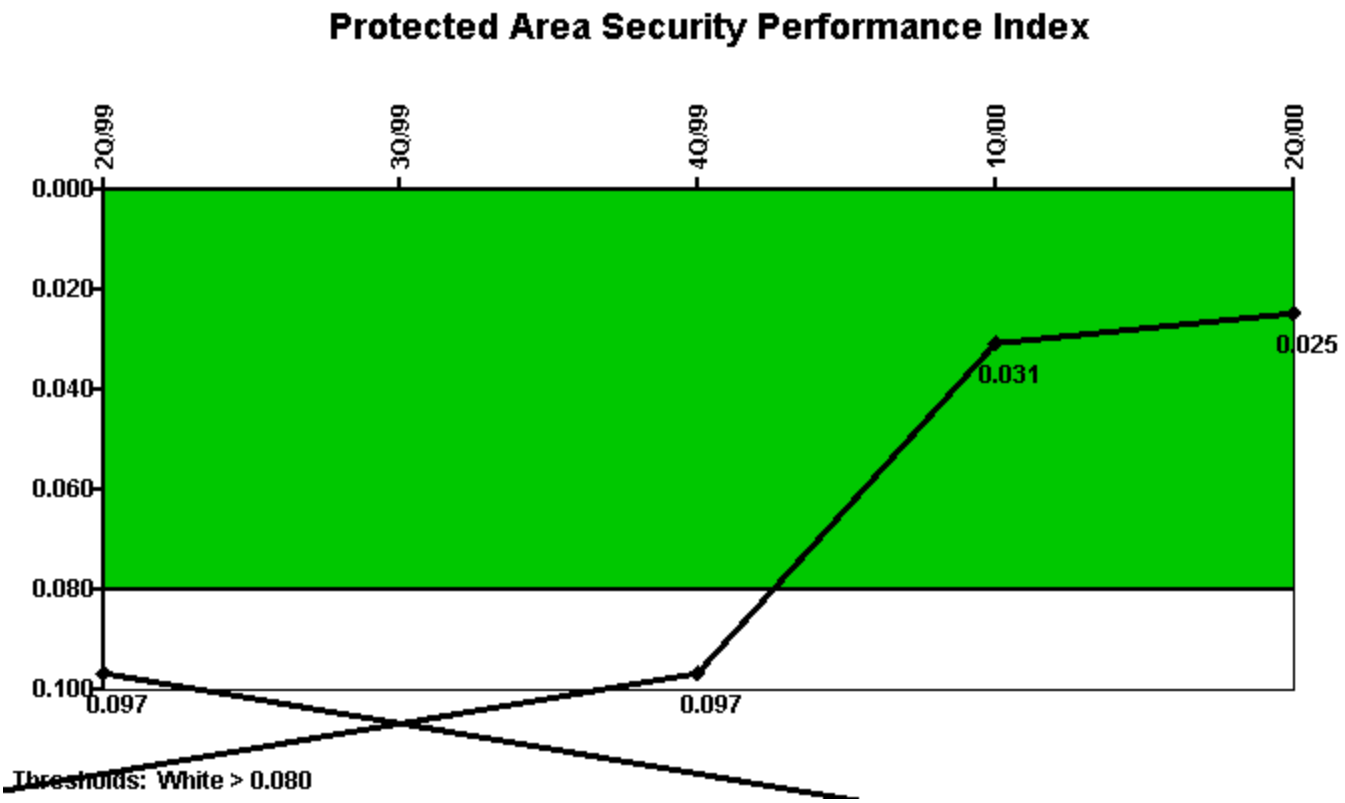


Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none



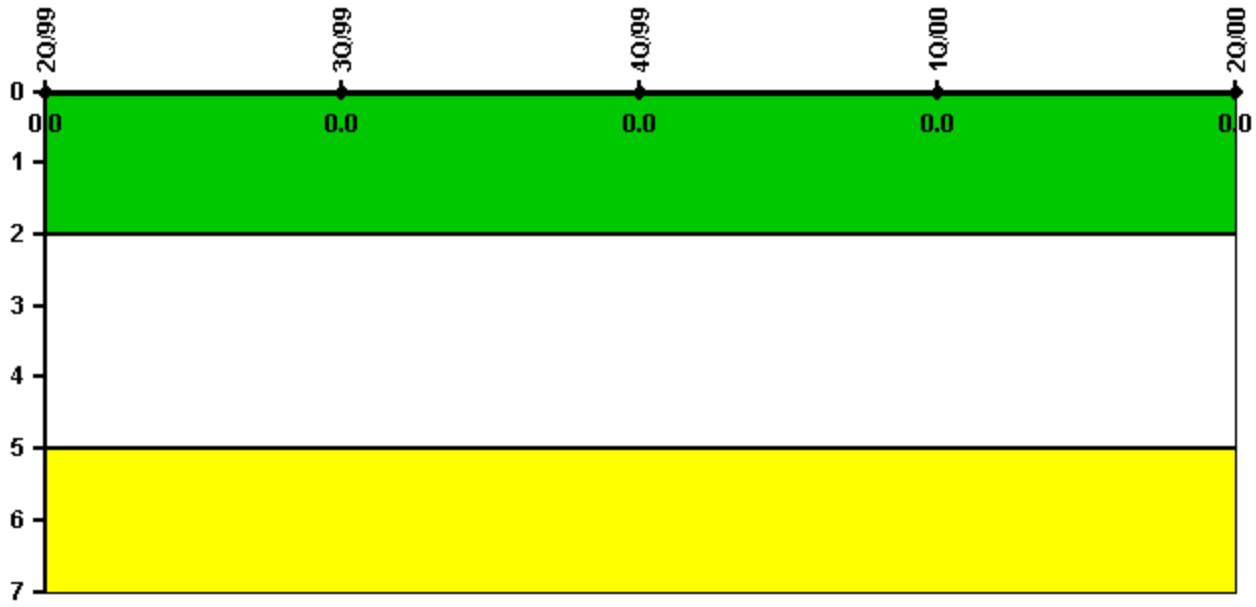
Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	203.70	330.00	57.60	57.60	57.60
CCTV compensatory hours	10.1	0.8	6.5	67.8	6.8
IDS normalization factor	1.40	1.40	1.40	1.40	1.40
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.097**	**0.107**	**0.097**	**0.031**	**0.025**

Licensee Comments:

2Q/00: A clarification of Frequently Asked Question (ID #59) has been submitted to the Nuclear Energy Institute/Nuclear Regulatory Commission Task Forces. Commonwealth Edison (ComEd) Company's practice has been that if a zone is required to be declared inoperable for a compliance issue (associated with a Security Plan commitment), but the zone remains functional (capable of performing its intended function), then the hours associated with the compensatory posting are not counted as long as maintenance/test proves the zone to operable assuming that no corective maintenance was required. ComEd contends that if the zone tests acceptable per the standard test procedures there is no added value to have maintenance check operable equipment.

Personnel Screening Program



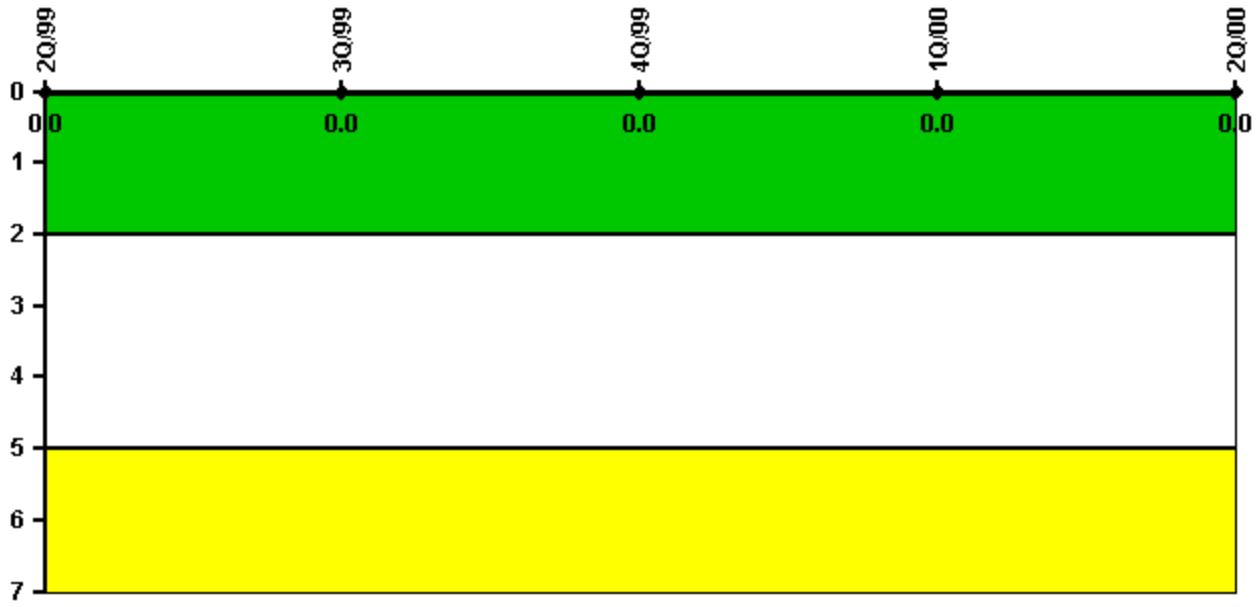
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/99	3Q/99	4Q/99	1Q/00	2Q/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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/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: April 1, 2002