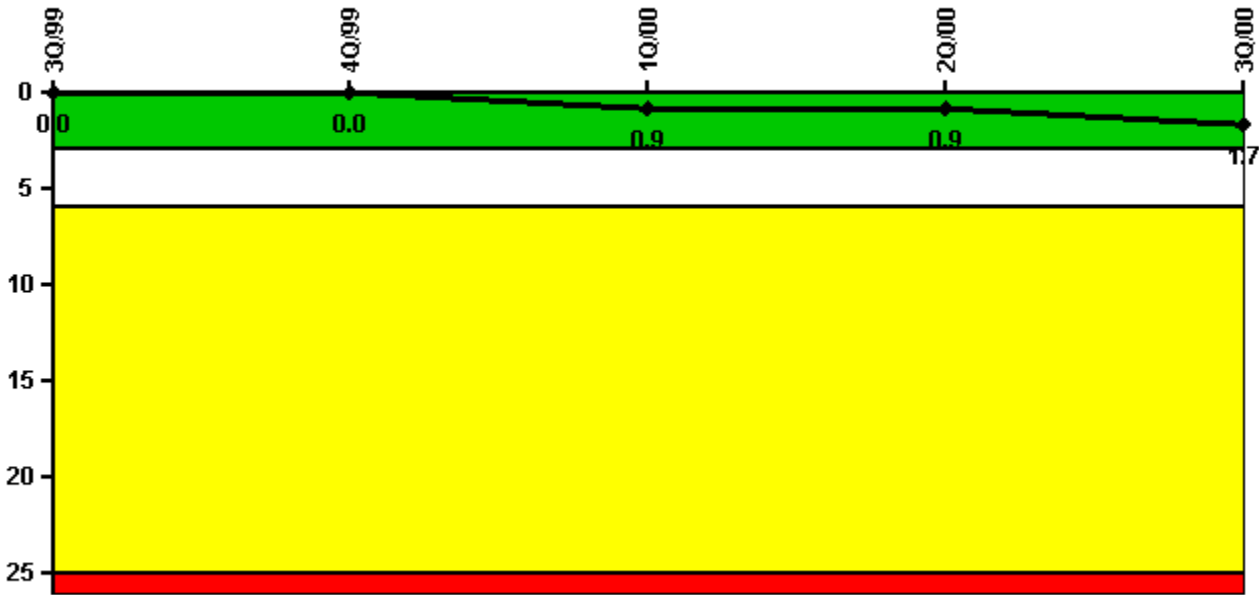


## Byron 2

### 3Q/2000 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



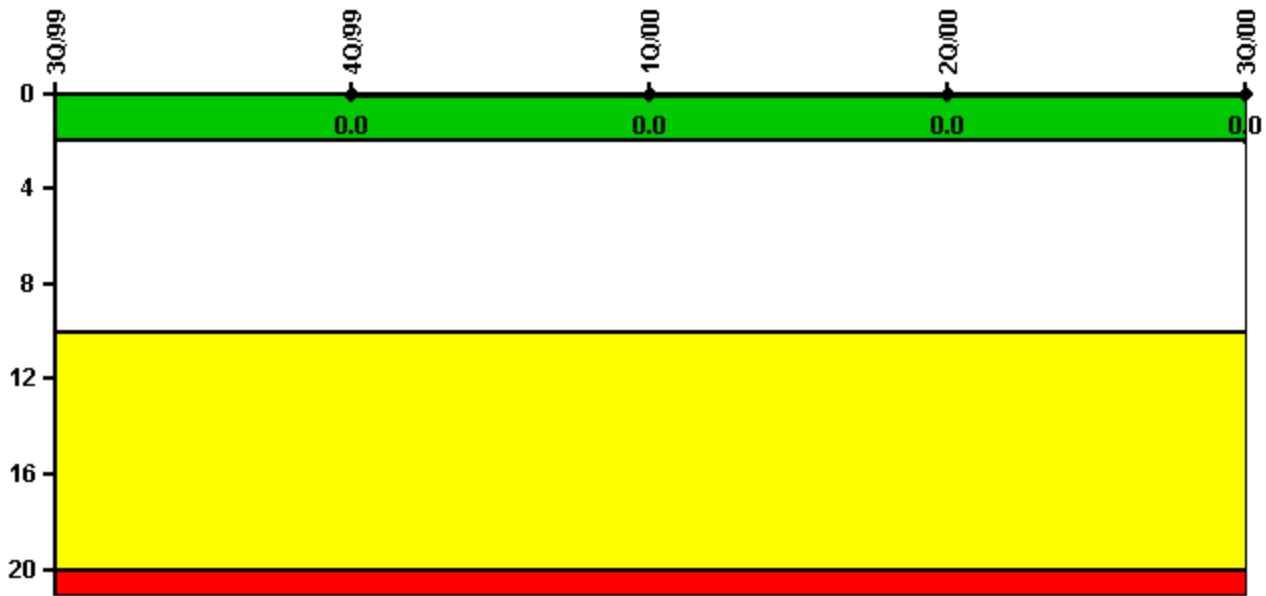
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	1.0	0	1.0
Critical hours	2208.0	1650.1	2156.5	2183.0	2192.1
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>	<b>1.7</b>

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



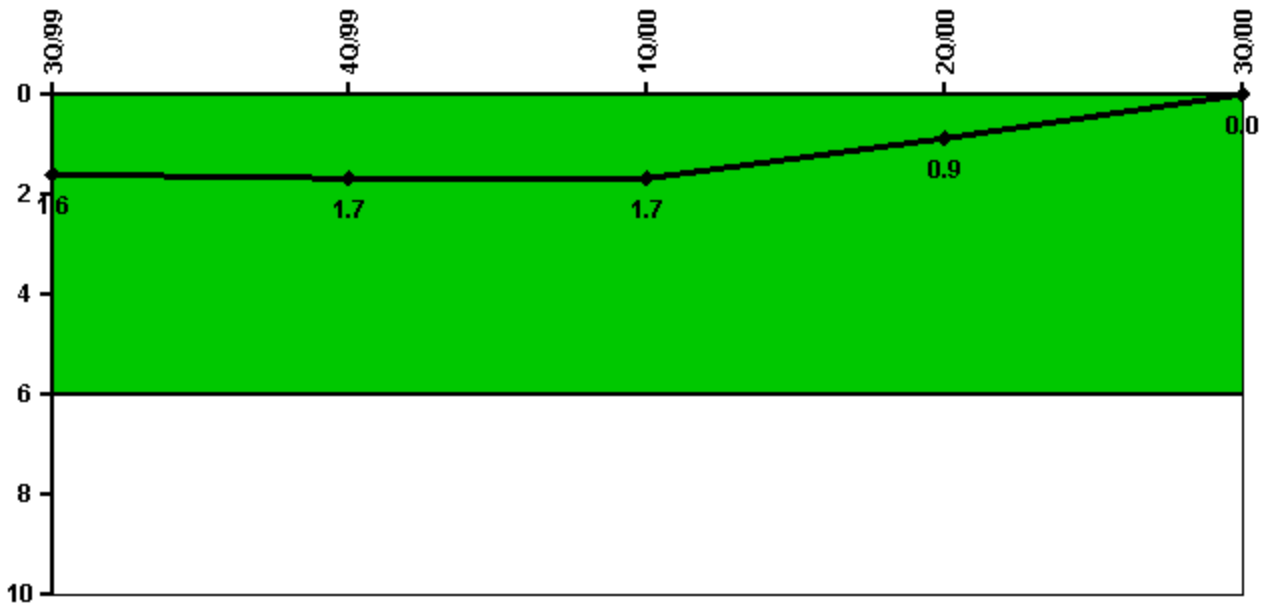
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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

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	1.0	0	0	0	0
Critical hours	2208.0	1650.1	2156.5	2183.0	2192.1
<b>Indicator value</b>	<b>1.6</b>	<b>1.7</b>	<b>1.7</b>	<b>0.9</b>	<b>0</b>

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
<b>Train 1</b>					
Planned unavailable hours	74.00	0	16.30	0	0
Unplanned unavailable hours	0	10.60	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
<b>Train 2</b>					
Planned unavailable hours	0.40	3.20	0	8.00	0.32
Unplanned unavailable hours	0	1.30	0	27.30	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
<b>Indicator value</b>		<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>

#### Licensee Comments:

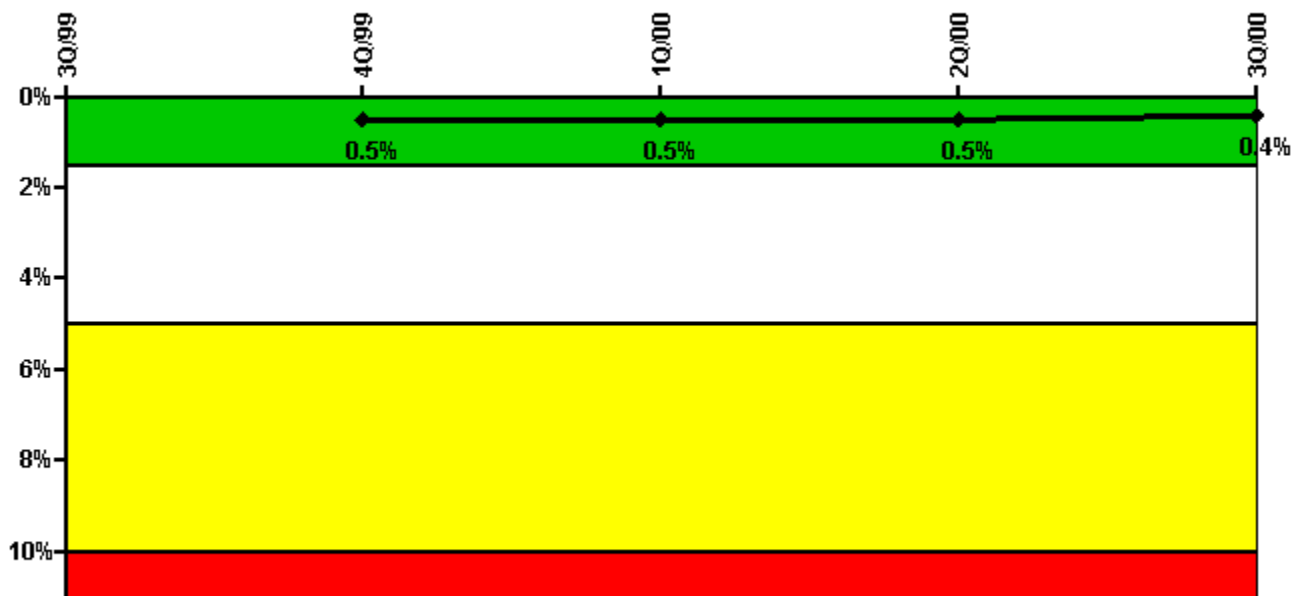
2Q/00: A revision has been made to previously submitted data for the Safety System Unavailability (SSU) performance indicator for the Emergency AC Power system for Byron Unit 2. Data for the months of May 1999, July 1999, September 1999, May 2000, and July 2001 was revised as appropriate for consistency 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.

### Safety System Unavailability, High Pressure Injection System (HPSI)



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

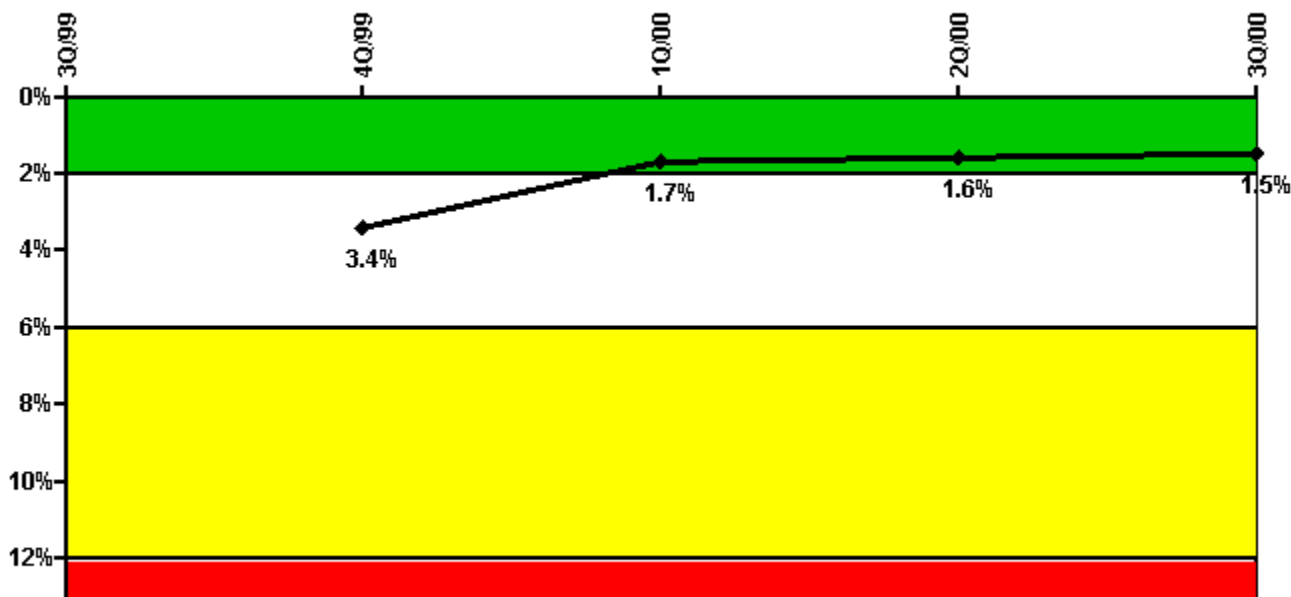
### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	32.90	1.30	0.90	1.50	0.50
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	1650.07	2156.48	2183.00	2192.13
<b>Train 2</b>					
Planned unavailable hours	21.30	2.00	1.40	0.90	1.10
Unplanned unavailable hours	20.40	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	1650.07	2156.48	2183.00	2192.13
<b>Train 3</b>					
Planned unavailable hours	0	0	42.00	9.80	0
Unplanned unavailable hours	0	0	14.80	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	1650.07	2156.48	2183.00	2192.13
<b>Train 4</b>					
Planned unavailable hours	21.70	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	2208.00	1650.07	2156.48	2183.00	2192.13
Indicator value		0.5%	0.5%	0.5%	0.4%

Licensee Comments: none

### 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
<b>Train 1</b>					
Planned unavailable hours	36.70	10.50	24.00	1.80	1.80
Unplanned unavailable hours	8.10	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	1650.07	2156.48	2183.00	2192.13
<b>Train 2</b>					
Planned unavailable hours	31.60	20.30	23.70	4.40	1.80
Unplanned unavailable hours	0	10.40	0	0	0
Fault exposure hours	0	180.70	0	0	0
Effective Reset hours	0	0	872.60	0	0
Required hours	2208.00	1650.07	2156.48	2183.00	2192.13
Indicator value		3.4%	1.7%	1.6%	1.5%

Licensee Comments:

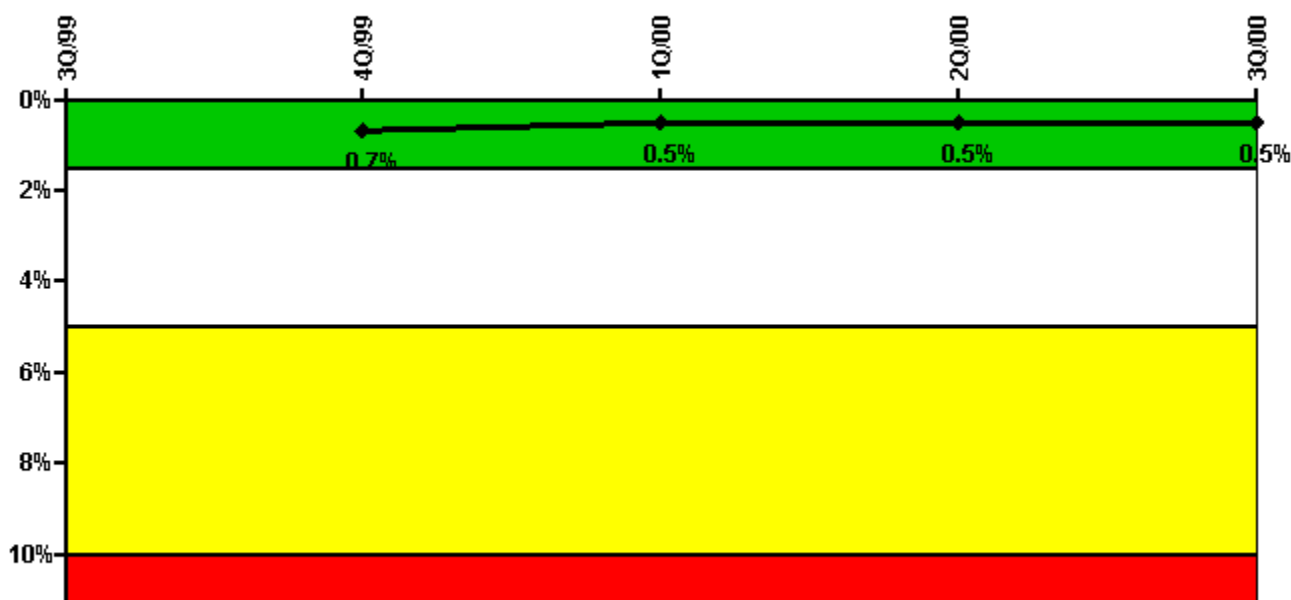
2Q/99: A change was made to historical data for the Safety System Unavailability (SSU) Heat Removal System performance indicator (PI) for Byron Unit 2. This change was done to address an internal NEI PI website database problem. This change restores the historical database to agree with data as previously 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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
<b>Train 1</b>					
Planned unavailable hours	5.00	5.40	2.40	8.50	0.40
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	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>					
Planned unavailable hours	5.80	2.30	2.10	2.60	1.30

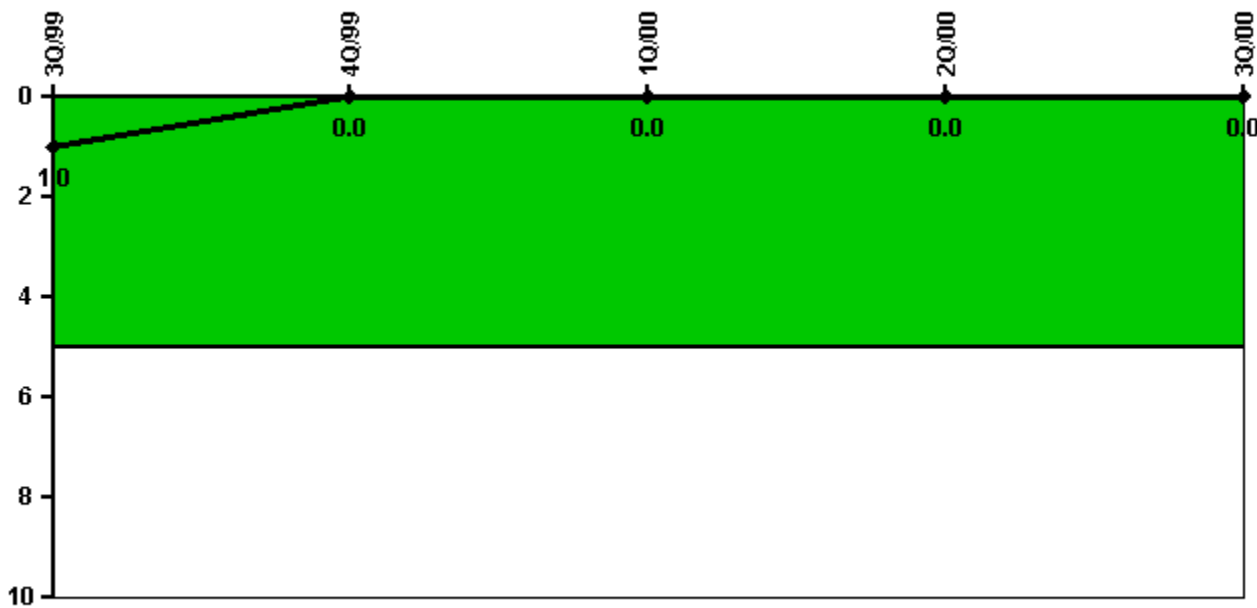
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value		0.7%	0.5%	0.5%	0.5%

Licensee Comments:

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

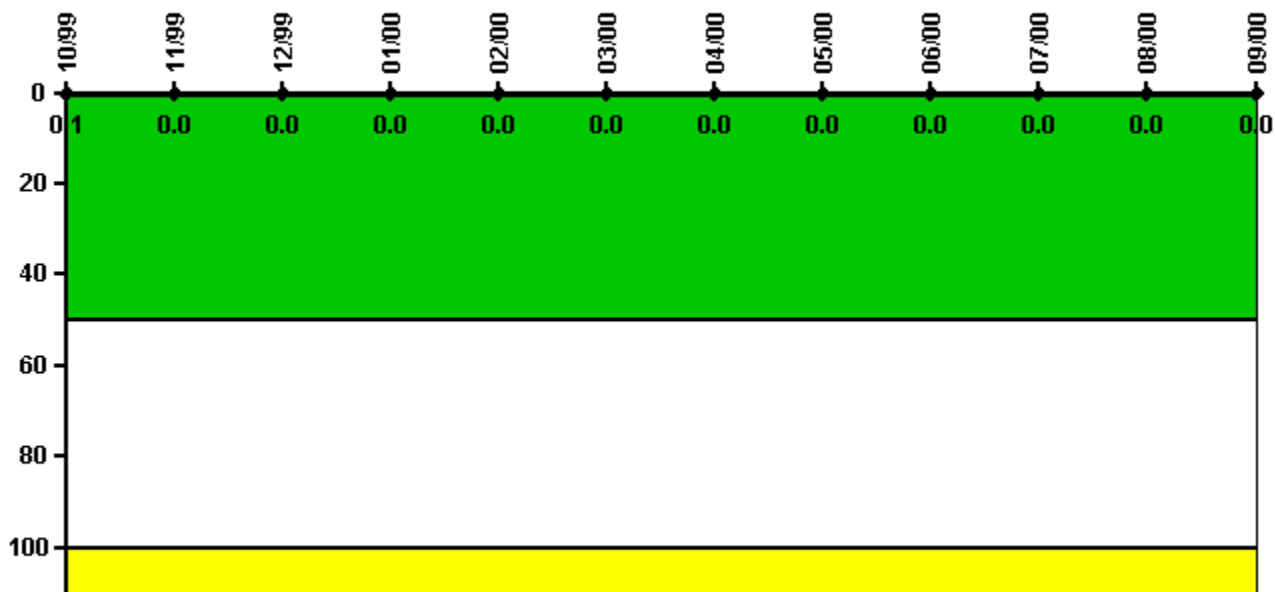
Notes

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



Licensee Comments: none

### Reactor Coolant System Activity



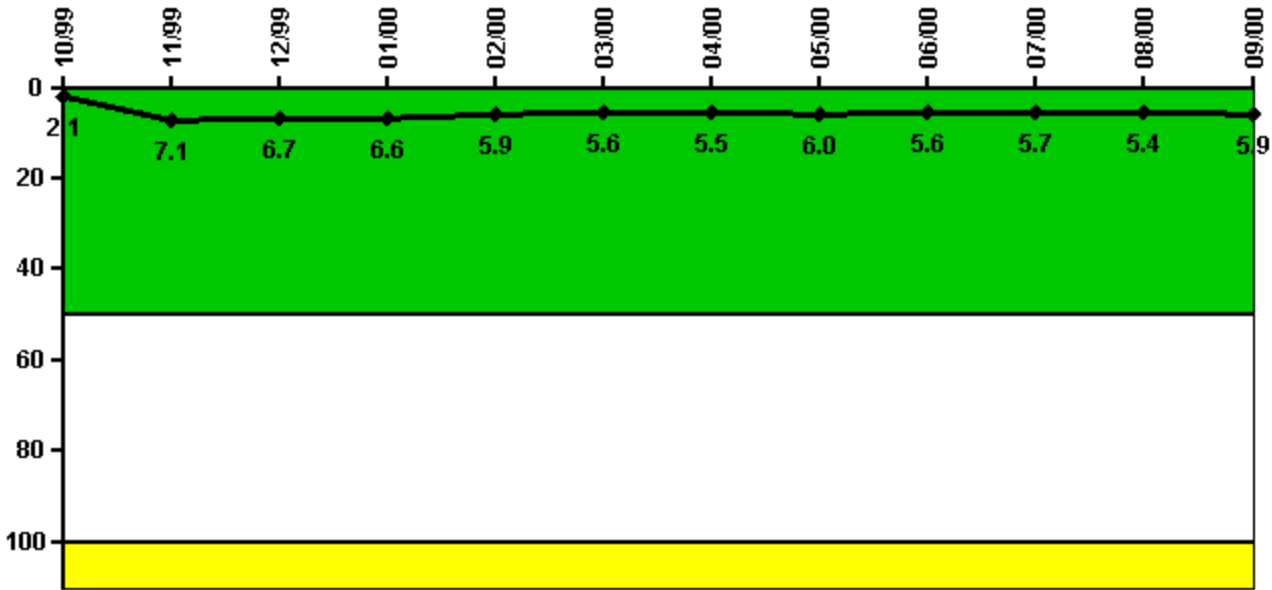
Thresholds: White > 50.0 Yellow > 100.0

### 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

Licensee Comments: none

### Reactor Coolant System Leakage



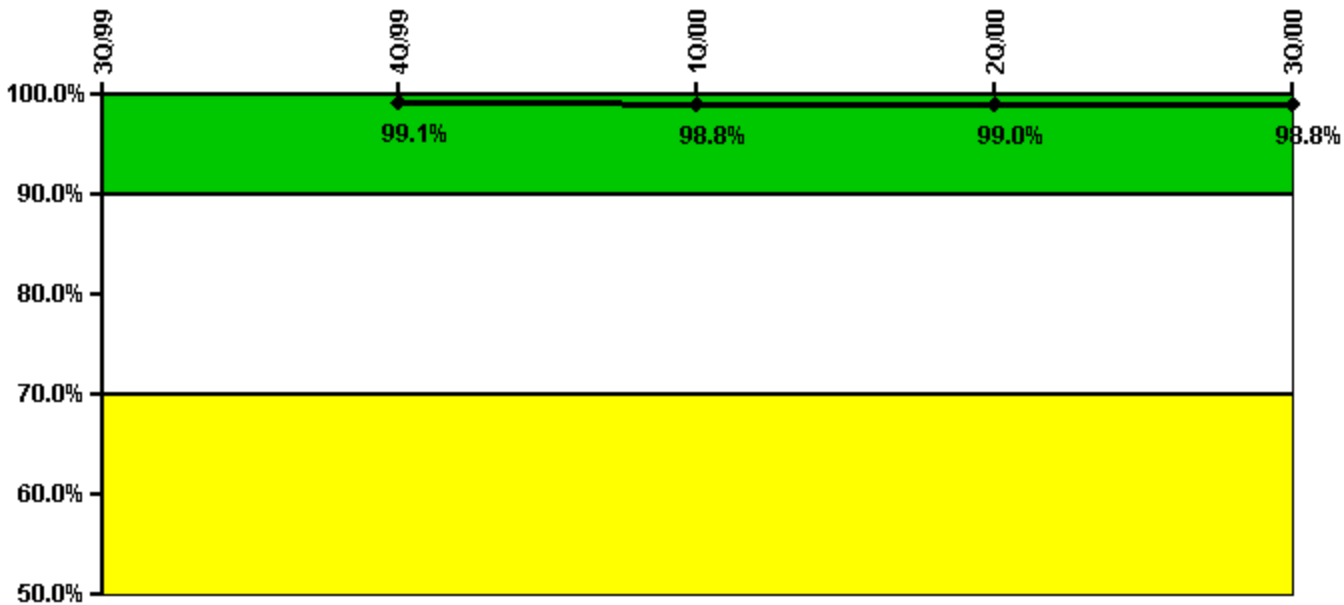
Thresholds: White > 50.0 Yellow > 100.0

#### 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

Licensee Comments: none

### 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	39.0	4.0	63.0	30.0	49.0
Total opportunities	40.0	4.0	64.0	30.0	50.0
<b>Indicator value</b>		<b>99.1%</b>	<b>98.8%</b>	<b>99.0%</b>	<b>98.8%</b>

#### Licensee Comments:

3Q/00: Third Quarter 2000 data collection process included a change based on FAQ 195 to count a notification opportunity that included both a classification and a Protective Action Recommendation as two notification opportunities. 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/00: Third Quarter 2000 data collection process included a change based on FAQ 195 to count a notification opportunity that included both a classification and a Protective Action Recommendation as two notification opportunities.

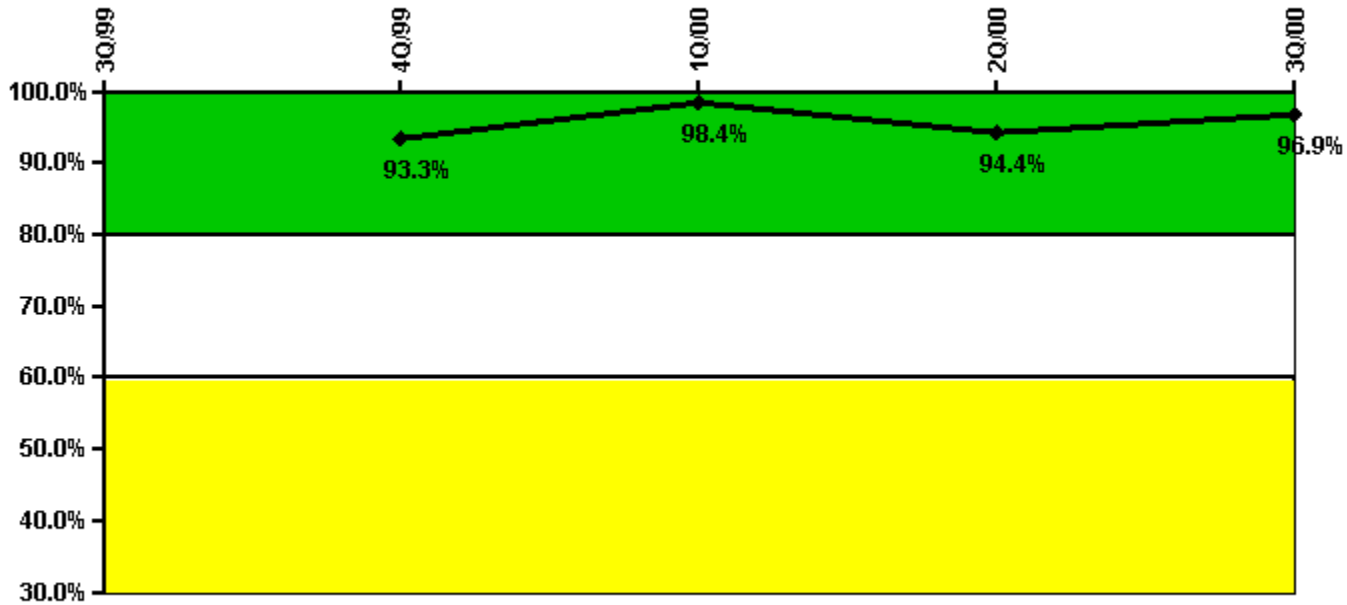
2Q/00: Commonwealth Edison (ComEd) Company has reviewed the guidance for determining the number of opportunities for the Nuclear Regulatory Commission Drill, Exercise and Event (DEP) Performance Indicator 08. The process ComEd uses is to make a notification for a concurrent classification of General 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.

### ERO Drill Participation



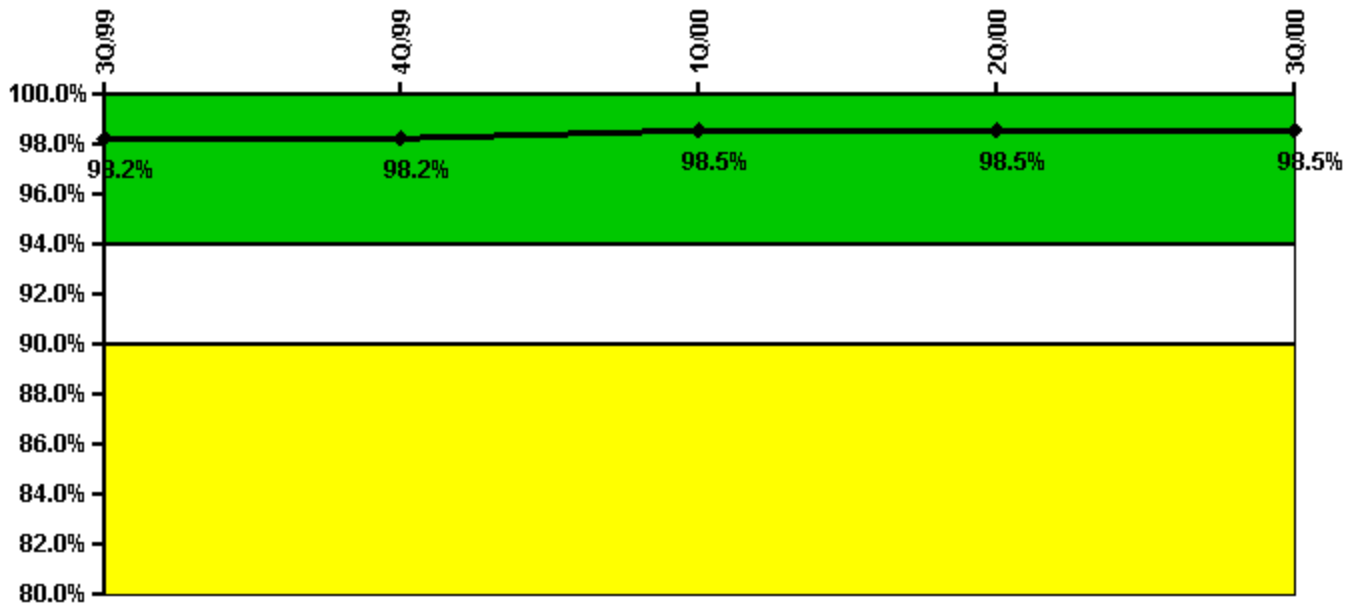
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

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

Licensee Comments: none

### Alert & Notification System



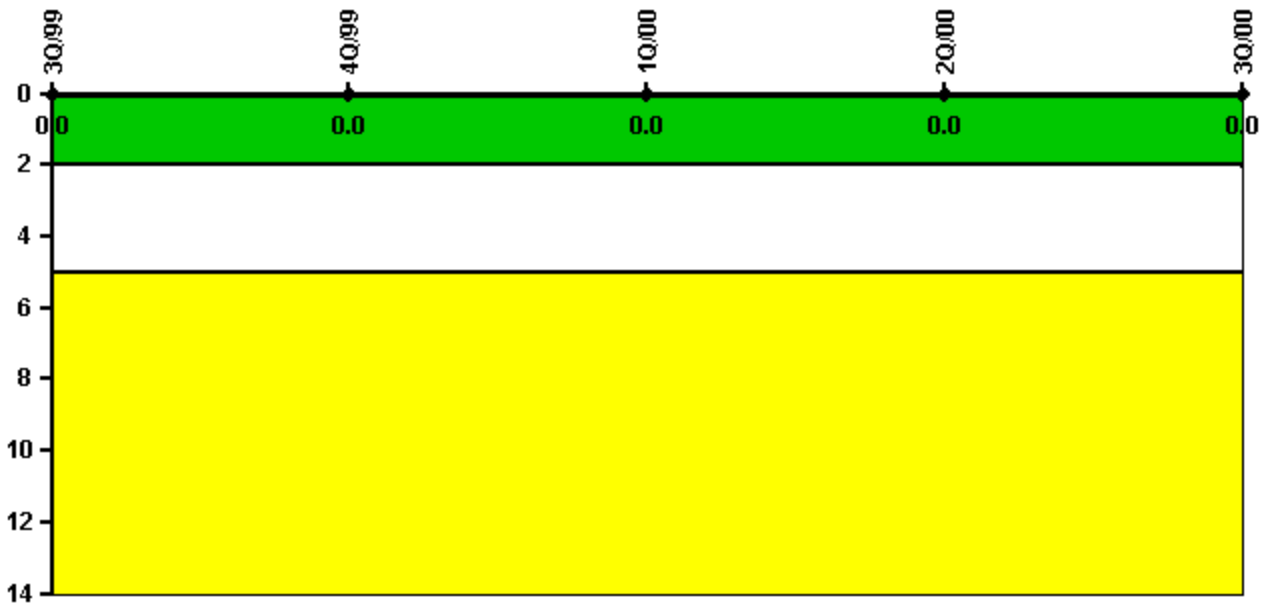
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	5996	5883	6000	5915	5821
Total sirens-tests	6110	5922	6110	6016	5922
Indicator value	98.2%	98.2%	98.5%	98.5%	98.5%

Licensee Comments: none

### 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	0	0
Unintended exposure occurrences	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



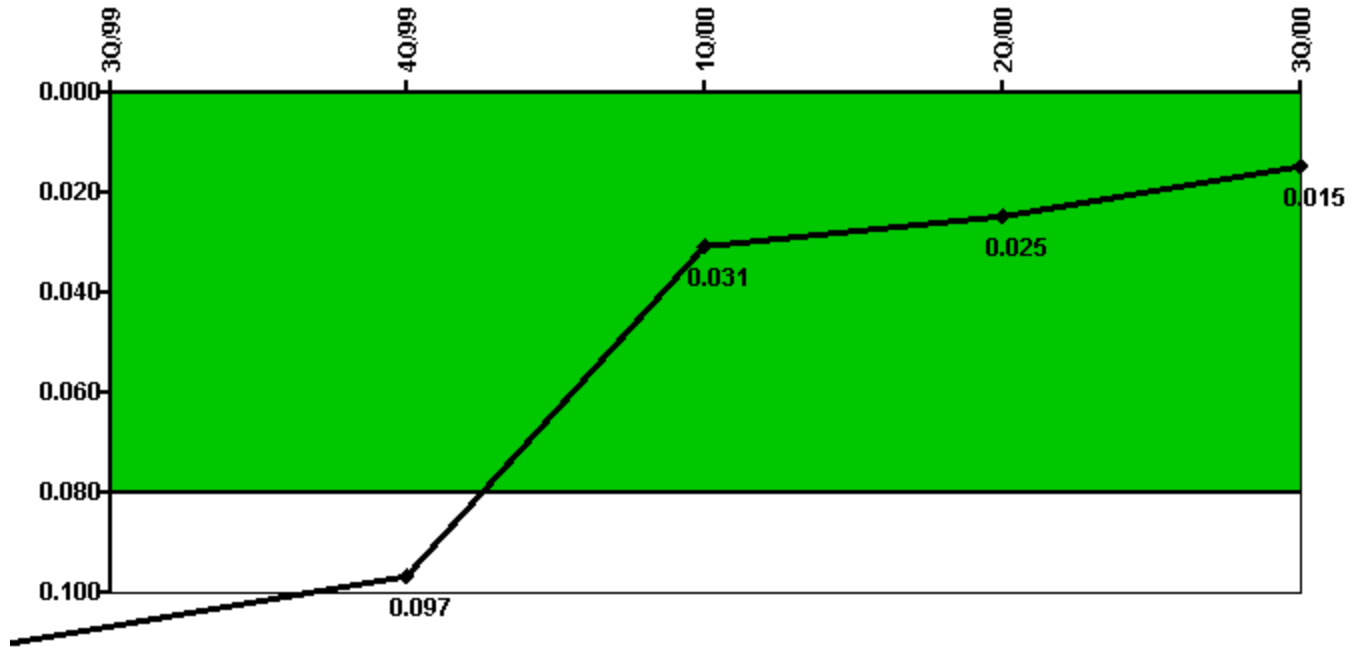
Thresholds: White > 1.0 Yellow > 3.0

#### 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	330.00	57.60	57.60	57.60	93.10
CCTV compensatory hours	0.8	6.5	67.8	6.8	0
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
<b>Index Value</b>	<b>0.107</b>	<b>0.097</b>	<b>0.031</b>	<b>0.025</b>	<b>0.015</b>

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