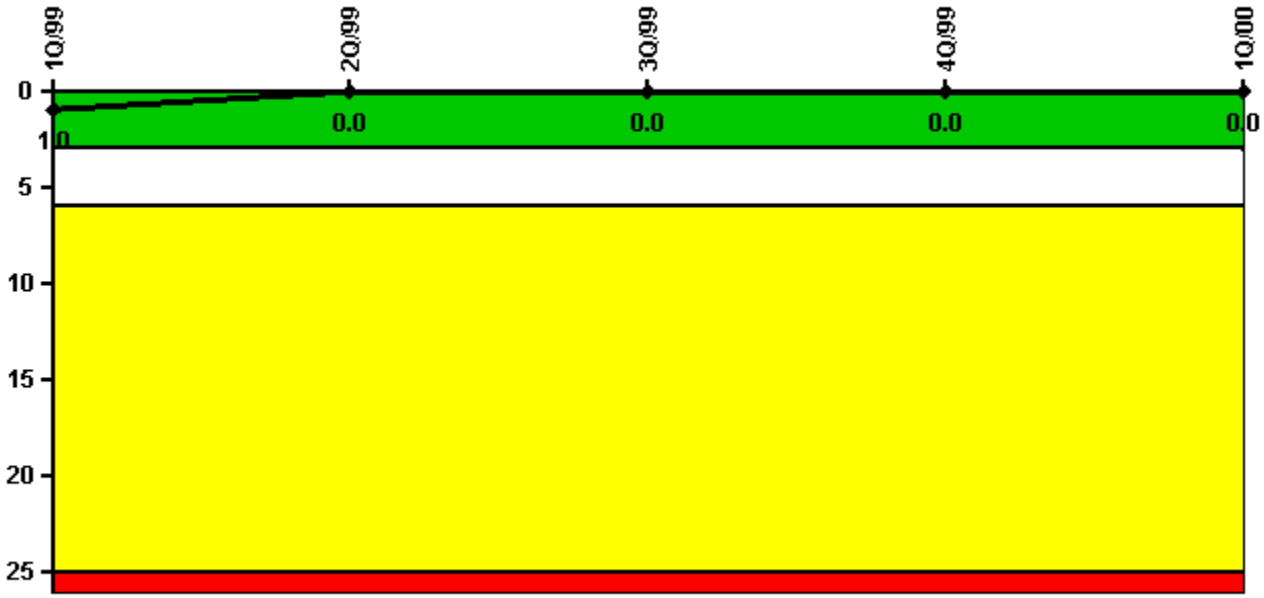
Quad Cities 2

1Q/2000 Performance Indicators

Licensee's General Comments: An initiative to ensure that the NEI 99-02 guidelines are consistently applied to the Safety System Unavailability (SSU) Performance Indicators amongst the 10 ComEd plants was completed. No change to the historical SSU data was required. * The first quarter performance indicator (PI) data elements were prepared in accordance with NEI 99-02 {Draft Revision D} and NRC Regulatory Issues Summary 2000-08.

Unplanned Scrams per 7000 Critical Hrs



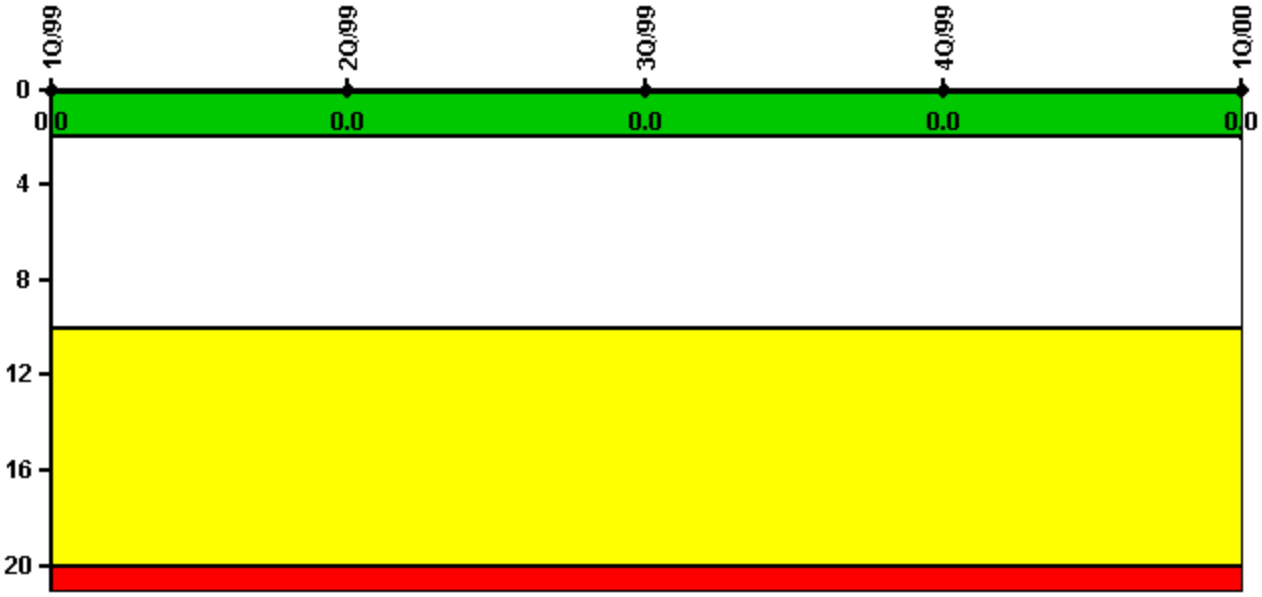
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	1961.8	2183.0	2208.0	2209.0	1688.2
Indicator value	**1.0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



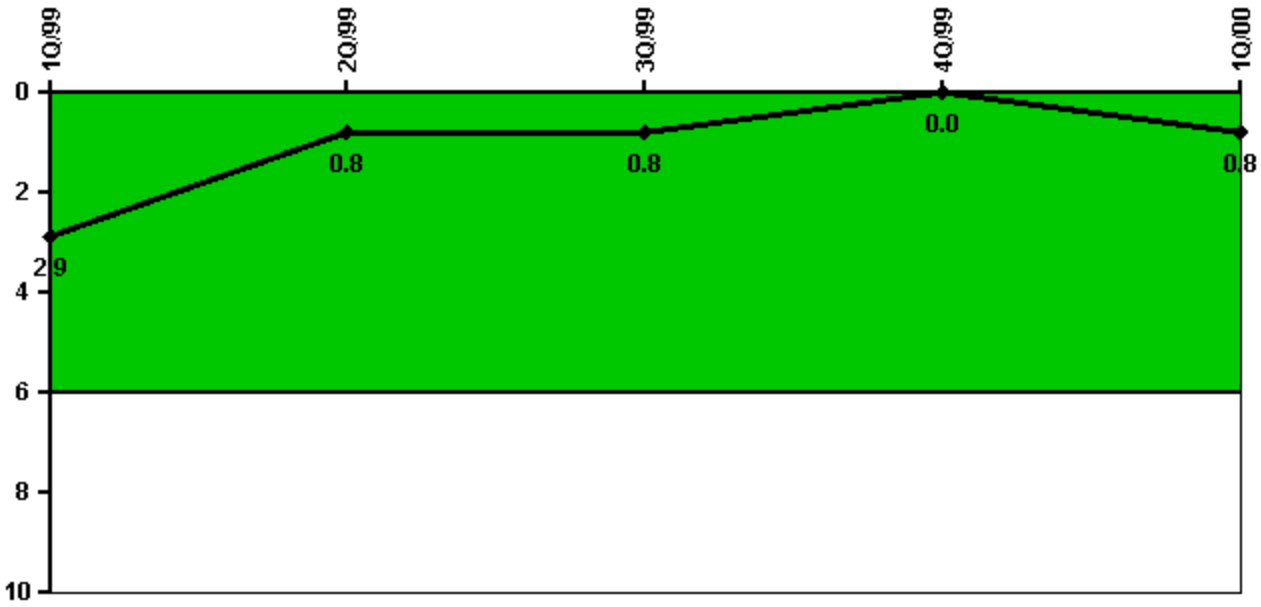
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



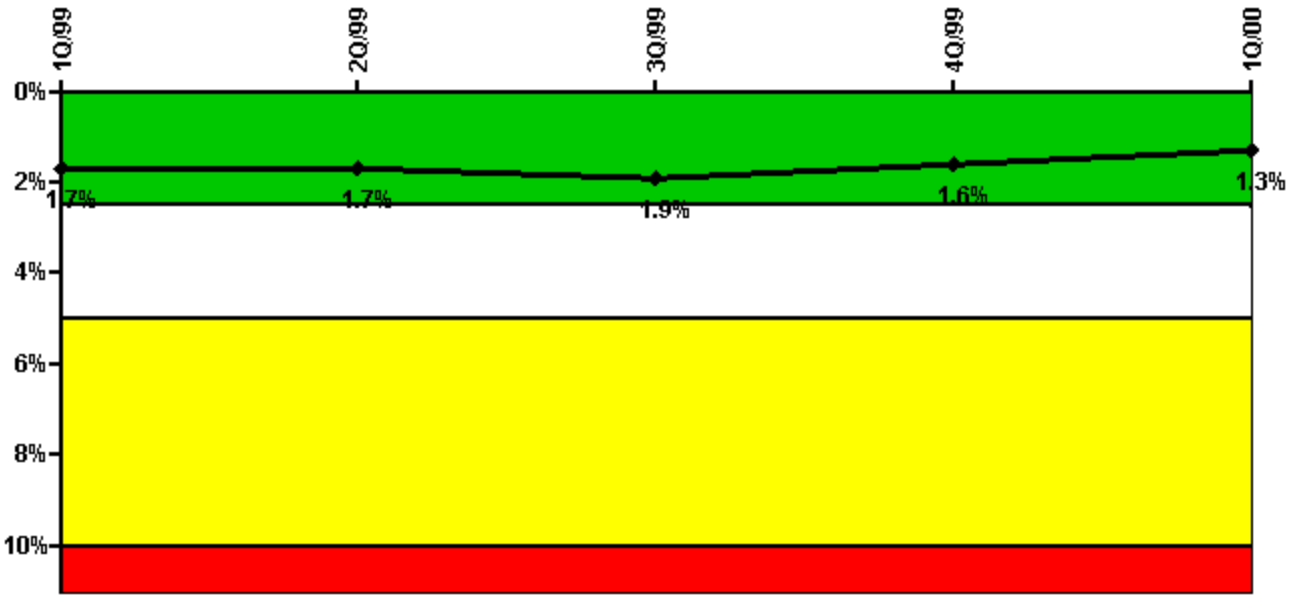
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	0	0	1.0
Critical hours	1961.8	2183.0	2208.0	2209.0	1688.2
Indicator value	**2.9**	**0.8**	**0.8**	**0**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

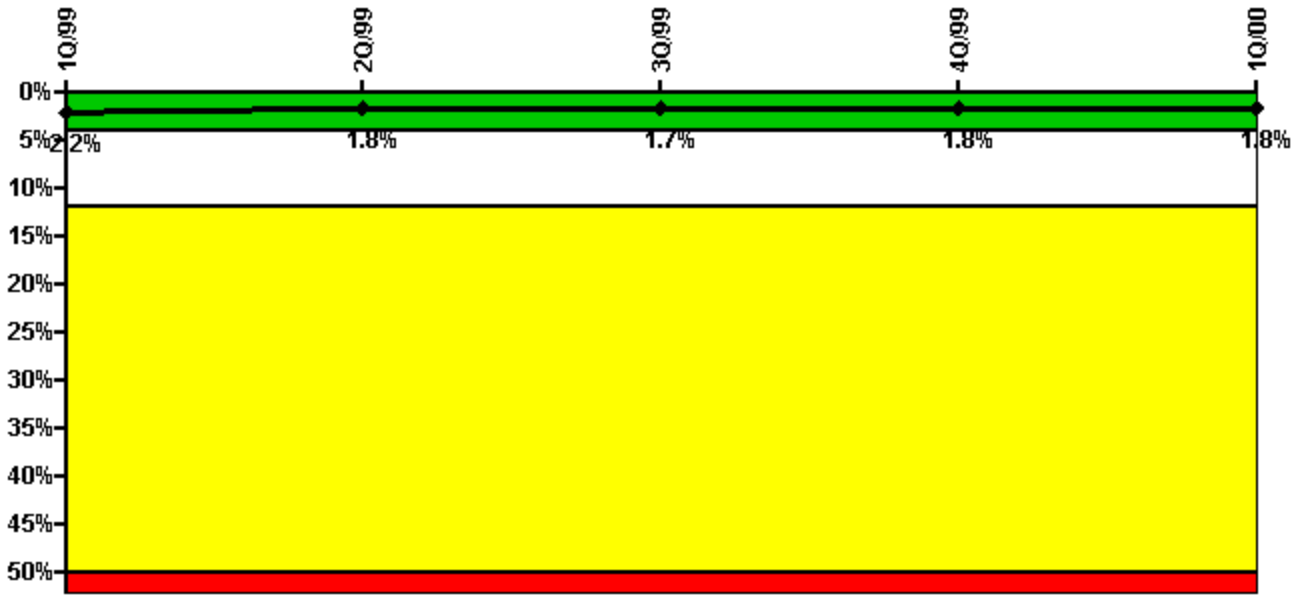
Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	89.30	1.35	6.00	9.52	36.53
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	2063.50	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	27.20	22.60	103.65	18.26	11.23
Unplanned unavailable hours	0	31.50	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2063.50	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.7%**	**1.7%**	**1.9%**	**1.6%**	**1.3%**

Licensee Comments:

1Q/00: The methodology utilized by Quad Cities Station for reporting required hours for EAC Unavailability has been changed to the default NEI 99-02 methodology of reporting all hours in the quarter. Prior to January 2000 the EAC Unavailability required hours reported were the actual hours that the Emergency Diesel Generators were required by Technical Specifications. No changes are being made to historical data. Starting with first quarter 2000 data, the EAC Unavailability required hours will be the total hours in the reporting quarter, in accordance with the default value outlined on page 30 of NEI 99-02, Revision 0.

Safety System Unavailability, High Pressure Injection System (HPCI)



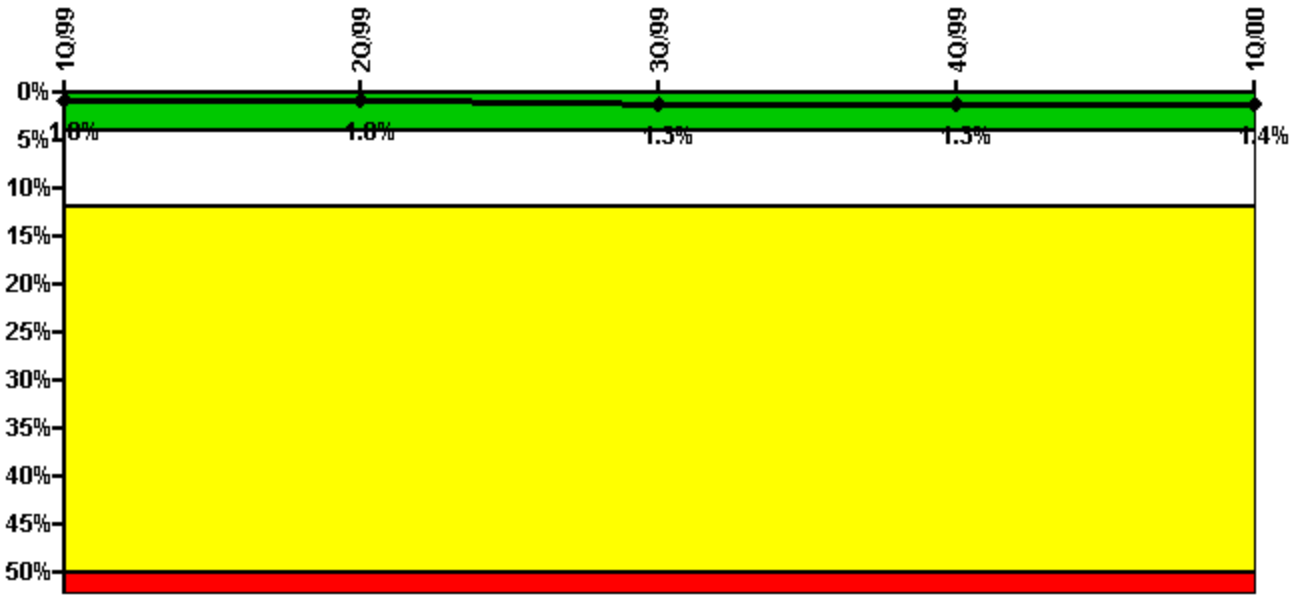
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	13.65	93.85	13.58	6.47	6.52
Unplanned unavailable hours	0	0	0	17.10	0.72
Fault exposure hours	0	0	0	0	1.67
Effective Reset hours	0	0	0	0	0
Required hours	1961.80	2183.00	2208.00	2209.00	1688.20
Indicator value	**2.2%**	**1.8%**	**1.7%**	**1.8%**	**1.8%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



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

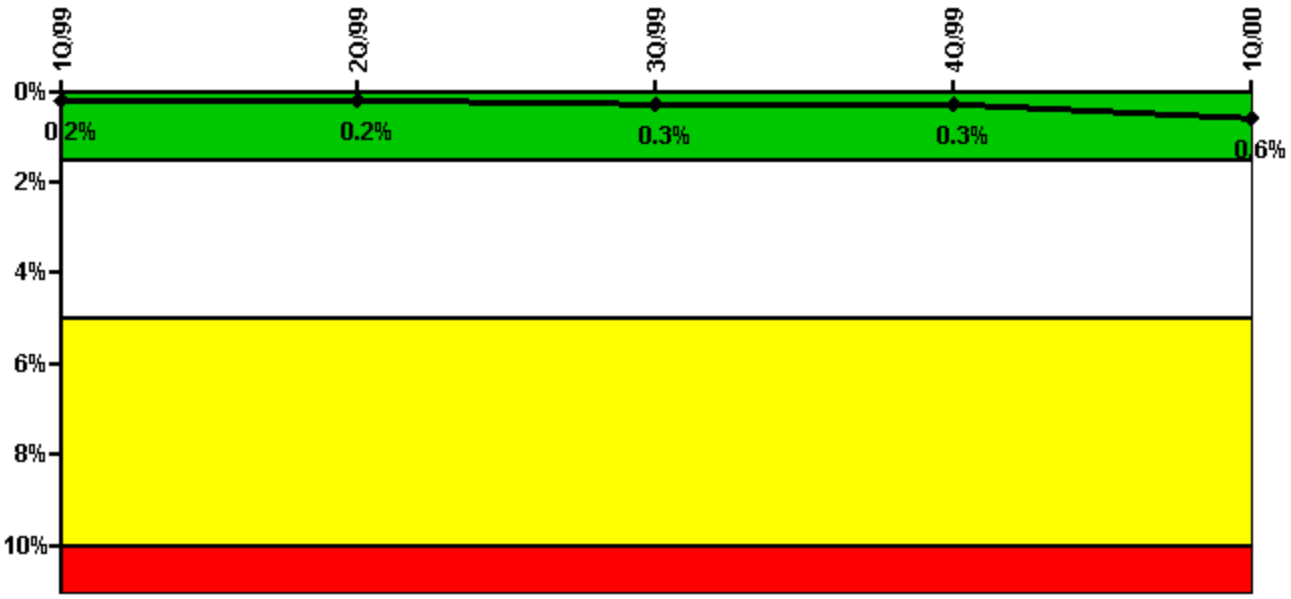
Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	60.15	18.25	33.52	13.66	10.34
Unplanned unavailable hours	0	0	29.50	0	0.80
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1961.80	2183.00	2208.00	2209.00	1688.20
Indicator value	**1.0%**	**1.0%**	**1.3%**	**1.3%**	**1.4%**

Licensee Comments:

1Q/00: This indicator is GREEN due to the withdrawal of fault exposure hours associated with an event in August of 1999. These hours are being withdrawn in accordance with Frequently Asked Question 88 (page 39 of NEI 99-02 Revision 0). An analysis and review was performed, which included component failure analysis and engineering judgement, which determined that the time of failure was during the time the system was out for maintenance. This analysis was reviewed by station management. Therefore, there was no fault exposure time, and the time that was previously reported for the August 1999 event has been withdrawn.

Safety System Unavailability, Residual Heat Removal System



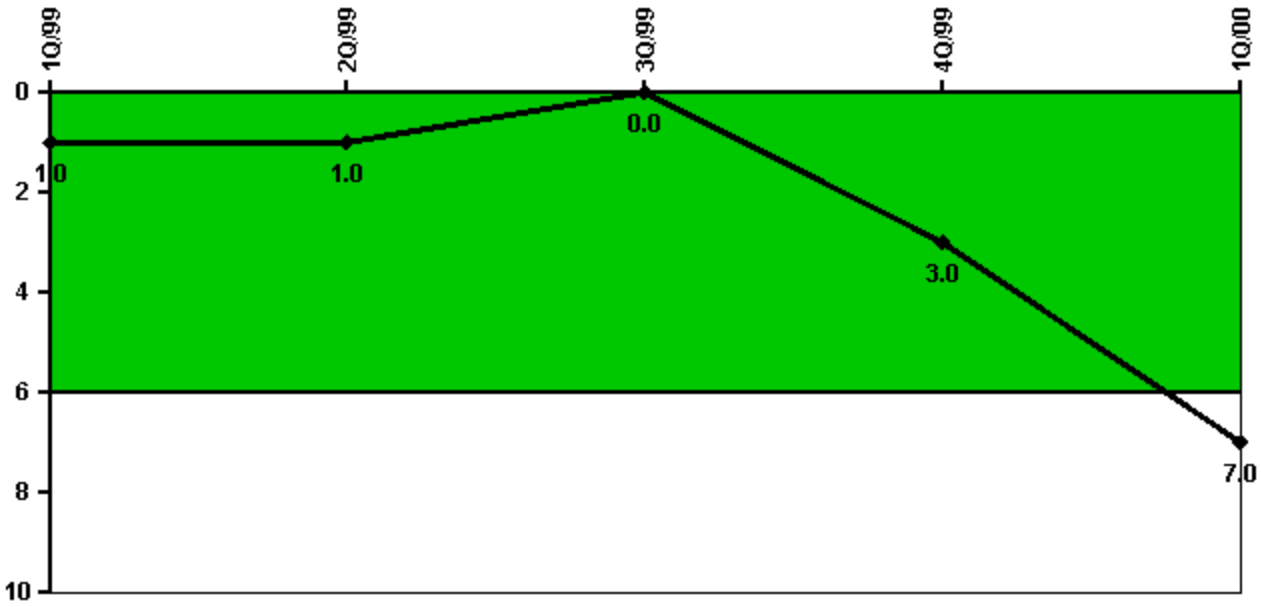
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	24.70	10.75	32.00	7.02	0
Unplanned unavailable hours	0	0	0	4.52	3.83
Fault exposure hours	0	0	0	0	161.87
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	42.90	0	4.40	0	0
Unplanned unavailable hours	0	0	0	5.30	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

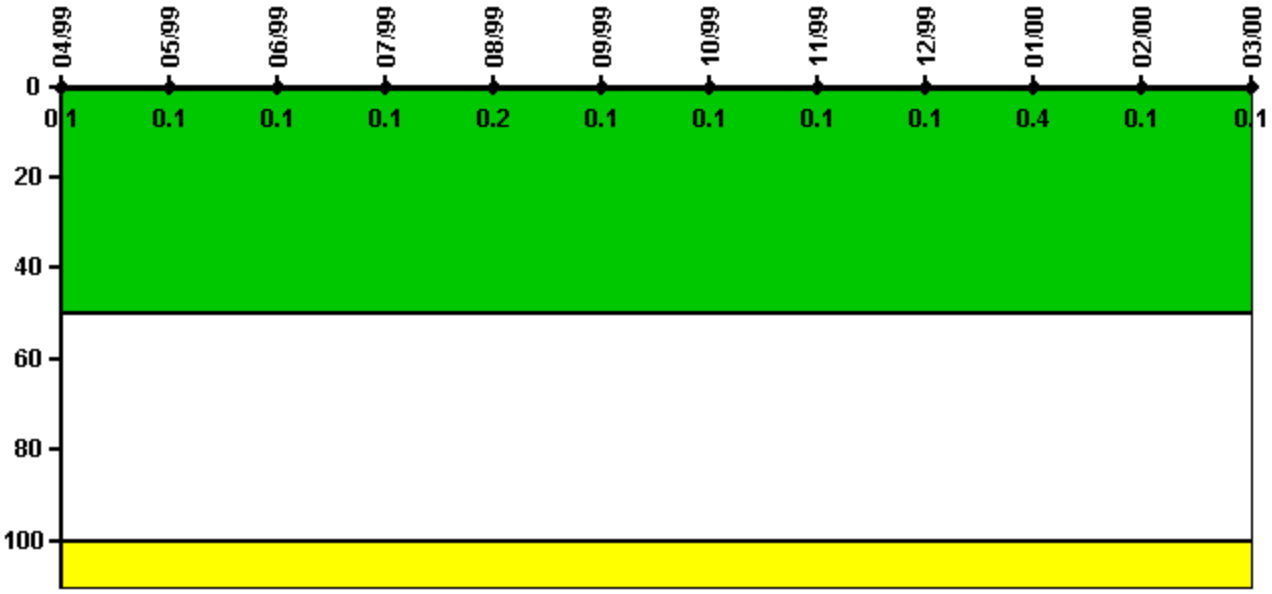
Safety System Functional Failures (BWR)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Safety System Functional Failures	0	0	0	3	4
Indicator value	**1**	**1**	**0**	**3**	**7**

Licensee Comments:

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

Reactor Coolant System Activity



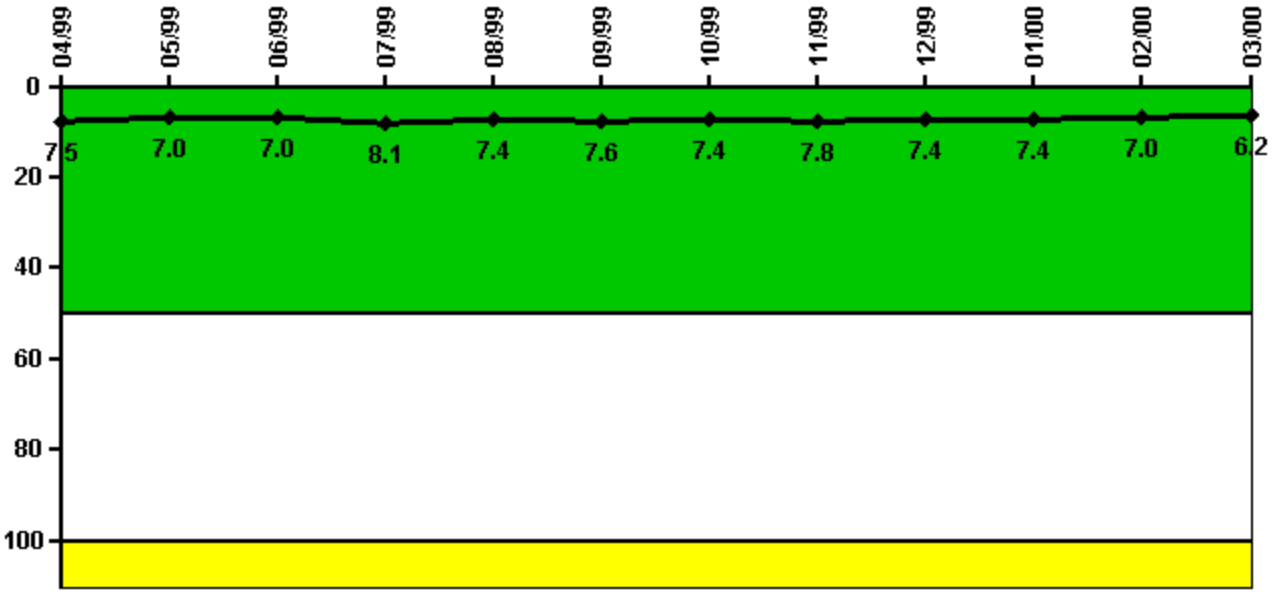
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000250	0.000287	0.000298	0.000292	0.000302	0.000240	0.000280	0.000269	0.000242	0.000805	0.000104	0.000196
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	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.4**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage



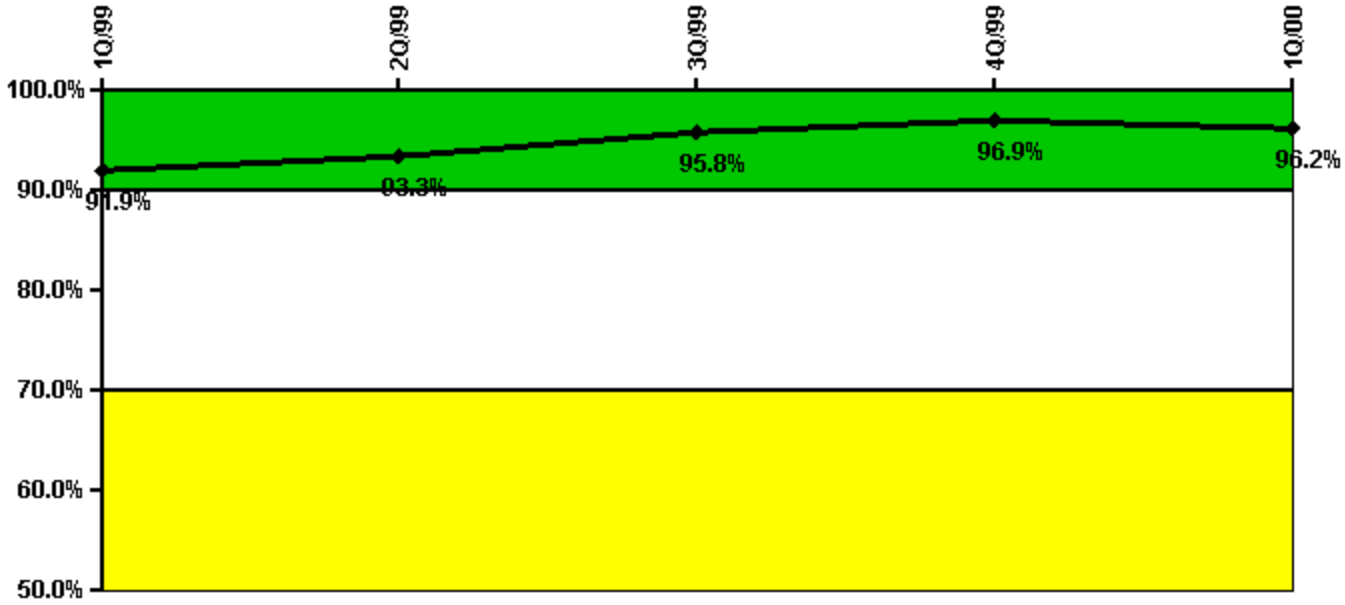
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	1.500	1.400	1.400	2.030	1.850	1.900	1.850	1.940	1.850	1.850	1.740	1.540
Technical specification limit	20.0	20.0	20.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.5**	**7.0**	**7.0**	**8.1**	**7.4**	**7.6**	**7.4**	**7.8**	**7.4**	**7.4**	**7.0**	**6.2**

Licensee Comments: none

Drill/Exercise Performance



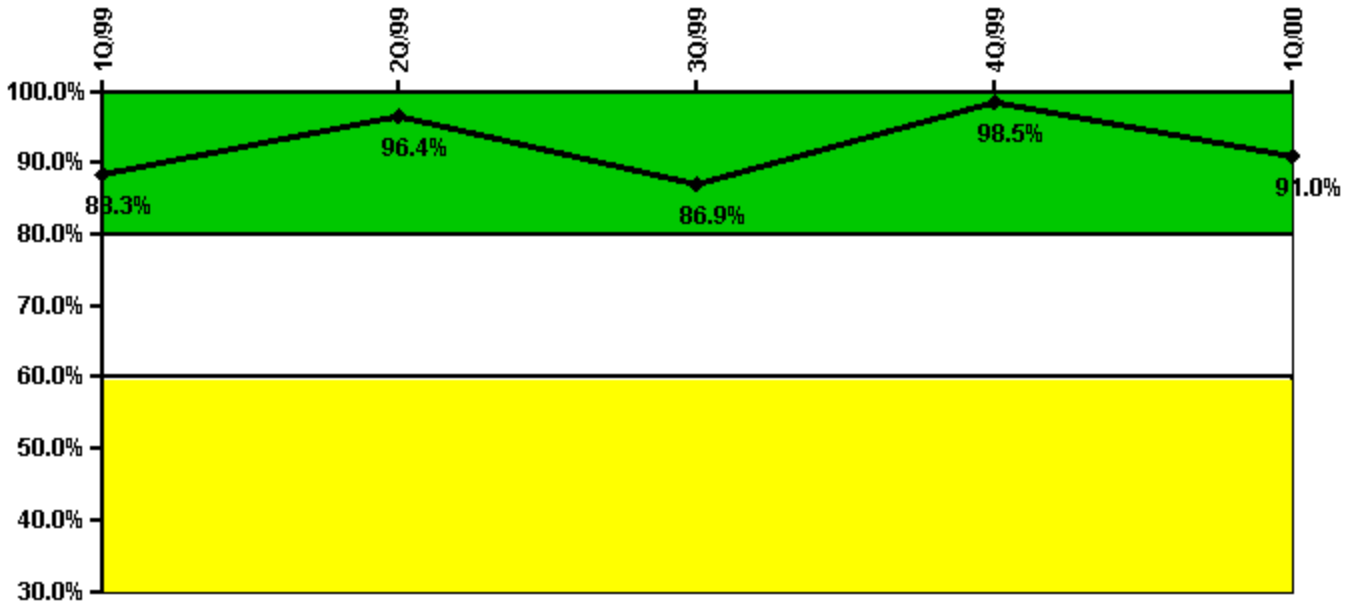
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	33.0	26.0	55.0	56.0	15.0
Total opportunities	34.0	27.0	55.0	57.0	17.0
Indicator value	**91.9%**	**93.3%**	**95.8%**	**96.9%**	**96.2%**

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

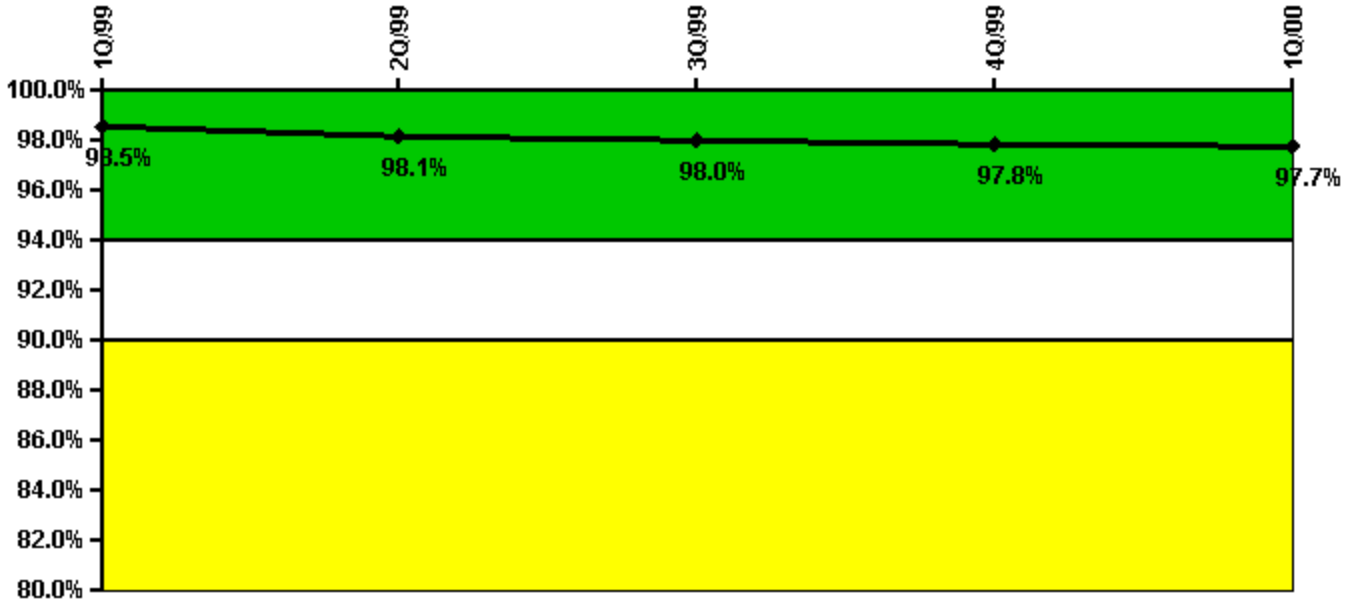
Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel	53.0	54.0	53.0	64.0	61.0
Total Key personnel	60.0	56.0	61.0	65.0	67.0
Indicator value	**88.3%**	**96.4%**	**86.9%**	**98.5%**	**91.0%**

Licensee Comments:

1Q/00: FAQ #22 in FAQ log #3 was reviewed by Commonwealth Edison (ComEd) Company Emergency Planning management and it was determined that no historical data changes were required. Common guidance was developed and implemented at the 10 ComEd plants for the collection of first quarter 2000 Emergency Response Organization Drill Participation performance indicator data.

Alert & Notification System



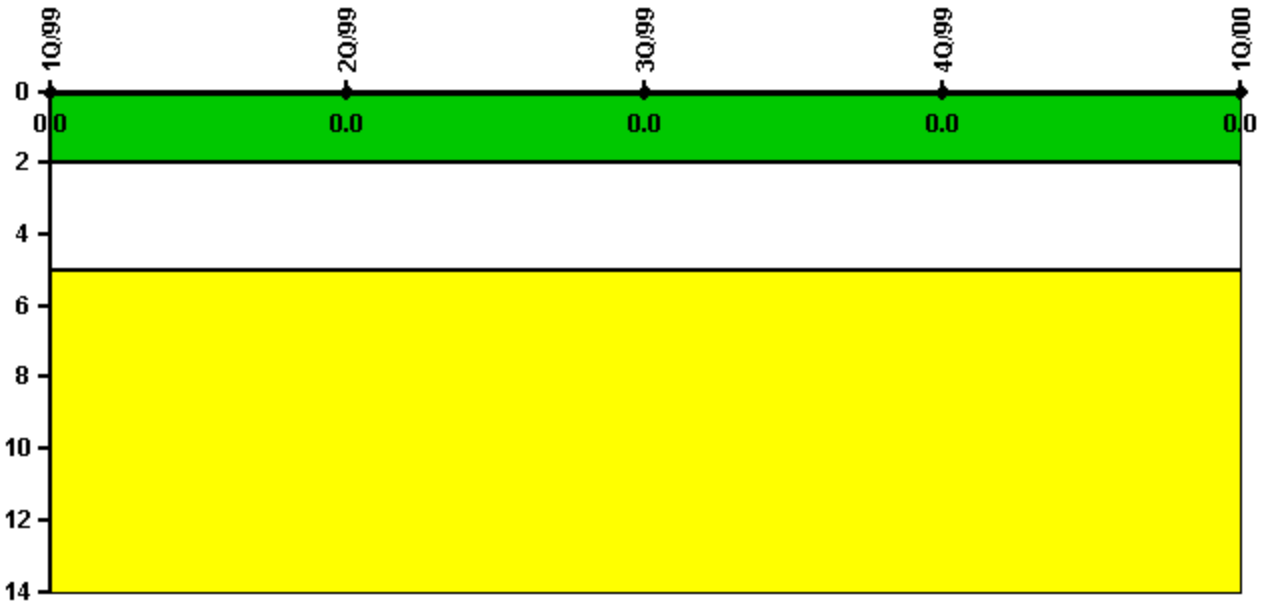
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	3225	3217	3303	3219	3321
Total sirens-tests	3276	3328	3380	3276	3380
Indicator value	**98.5%**	**98.1%**	**98.0%**	**97.8%**	**97.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



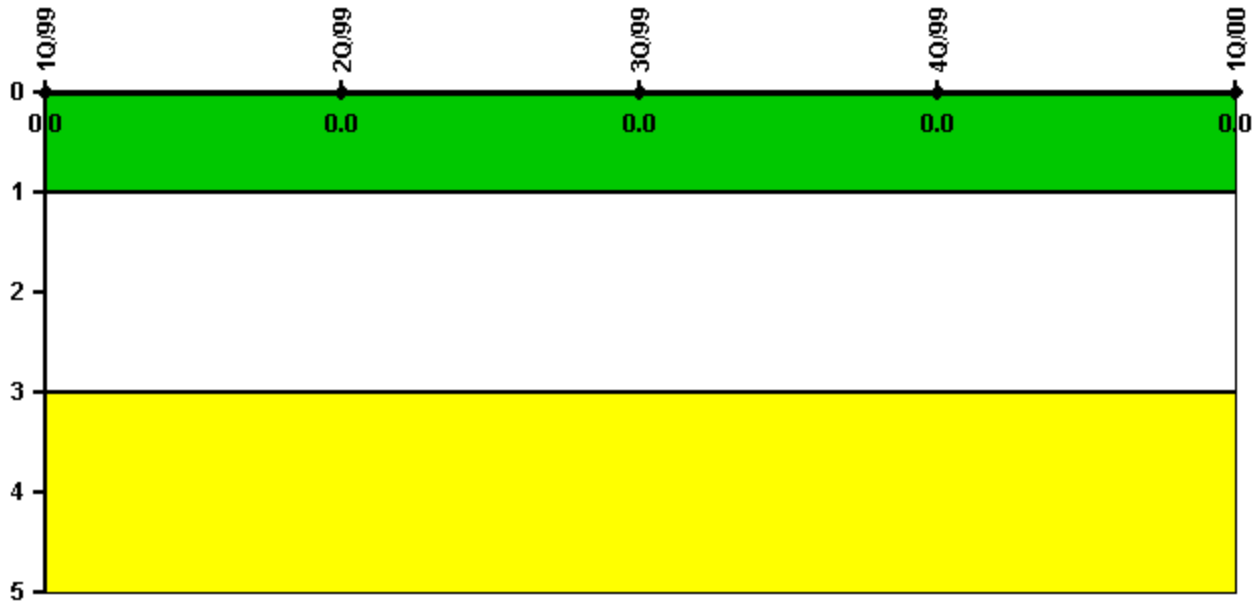
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/99	2Q/99	3Q/99	4Q/99	1Q/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



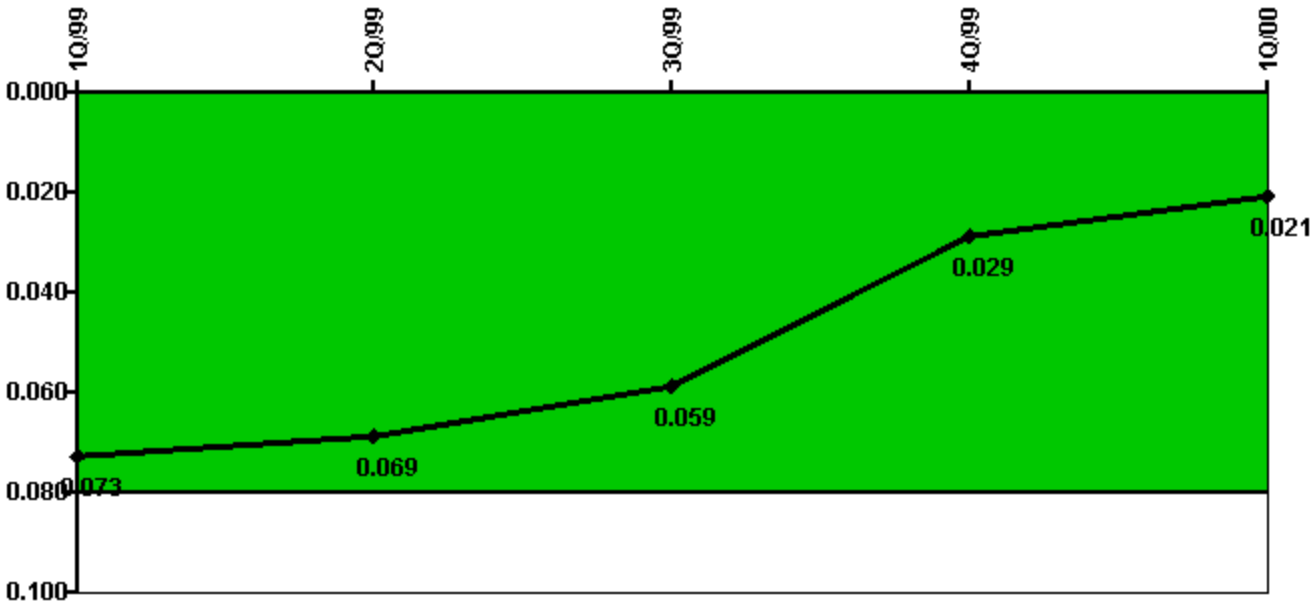
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



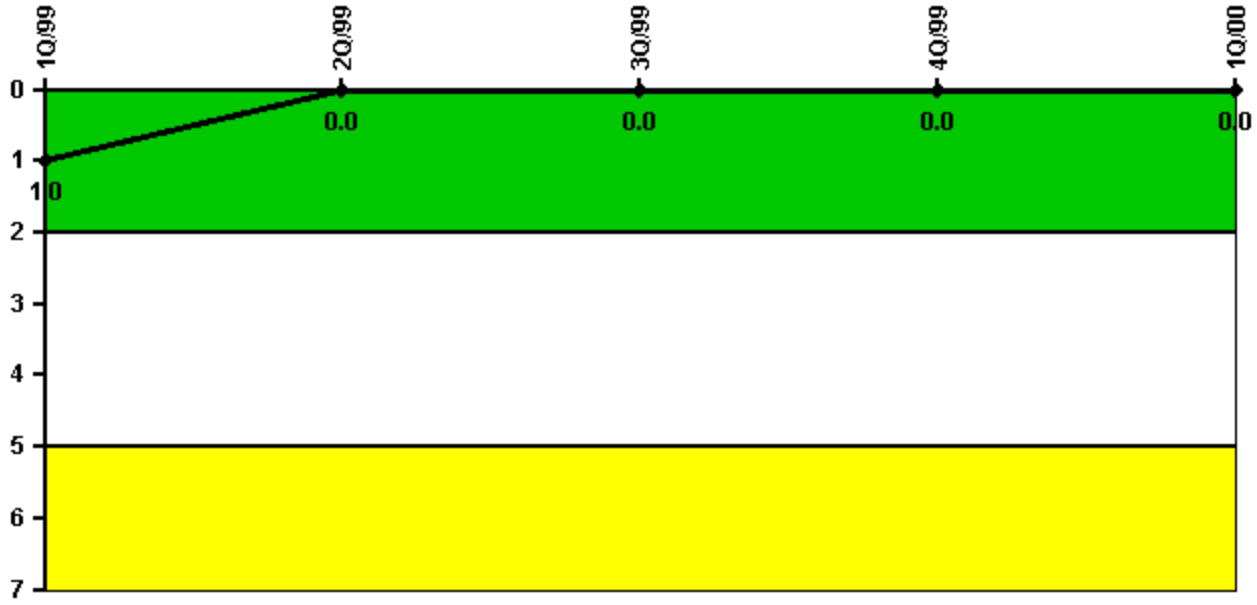
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	152.65	267.69	47.69	22.10	28.50
CCTV compensatory hours	0.2	7.3	0.6	2.2	0
IDS normalization factor	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.073**	**0.069**	**0.059**	**0.029**	**0.021**

Licensee Comments: none

Personnel Screening Program



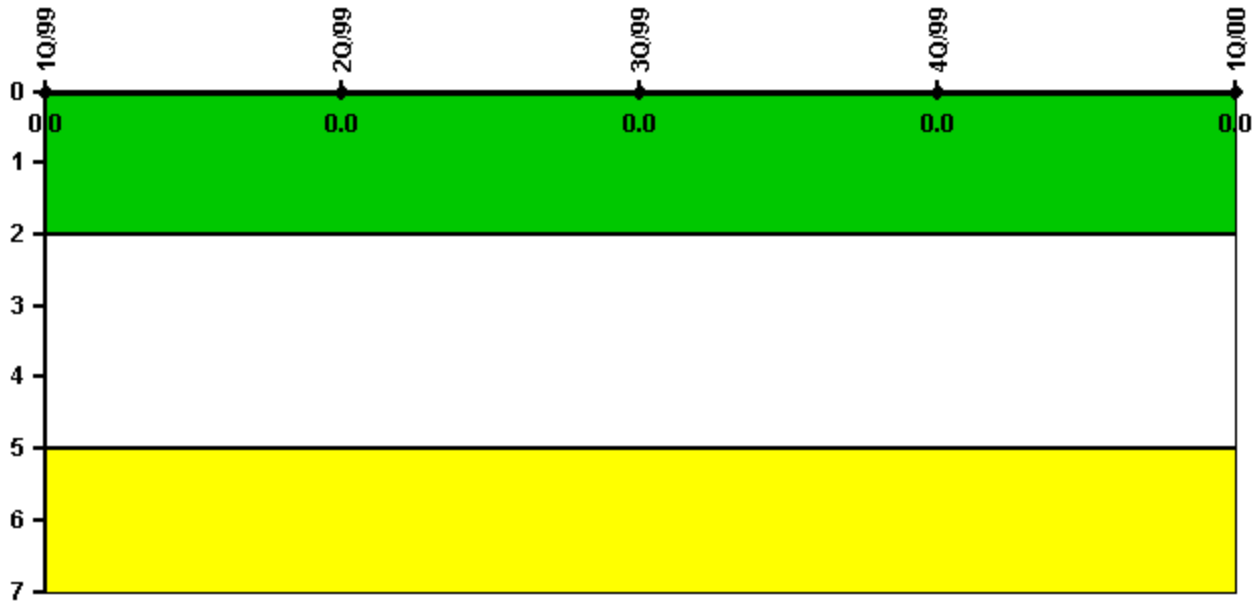
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/99	2Q/99	3Q/99	4Q/99	1Q/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