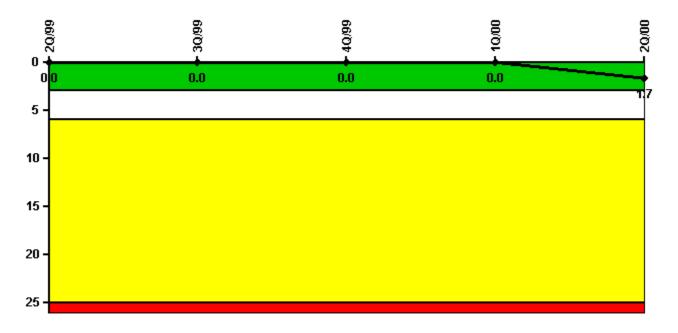
### **Browns Ferry 3**

#### 2Q/2000 Performance Indicators

Licensee's General Comments: none

## Unplanned Scrams per 7000 Critical Hrs

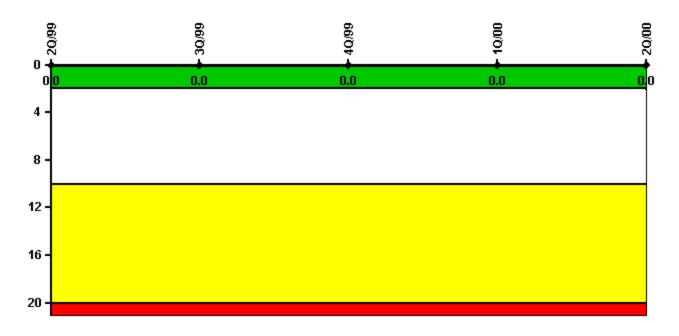


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	0	0	0	2.0
Critical hours	2183.0	2208.0	2209.0	2184.0	1728.4
Indicator value	0	0	0	0	1.7

### Scrams with Loss of Normal Heat Removal

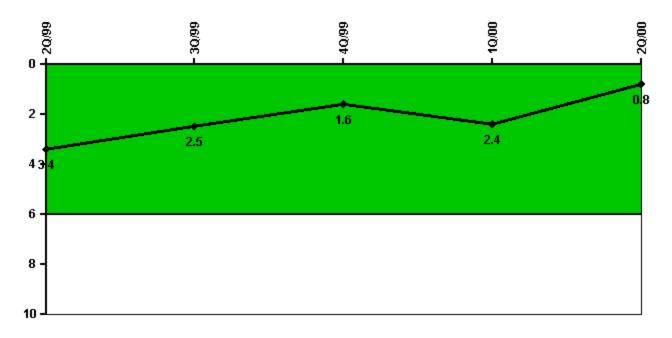


Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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	0	0

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

#### Notes

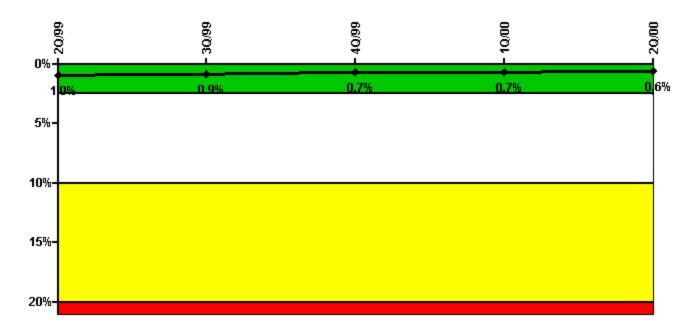
Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	2.0	0	0	1.0	0
Critical hours	2183.0	2208.0	2209.0	2184.0	1728.4
Indicator value	3.4	2.5	1.6	2.4	0.8

Licensee Comments:

2Q/00: Apr-99 added an additional unplanned power change that was not reported on the historical submittal. No color change.

2Q/99: Added an additional unplanned power change that occurred in April that was not reported on the historical submittal. No color change.

# Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

#### Notes

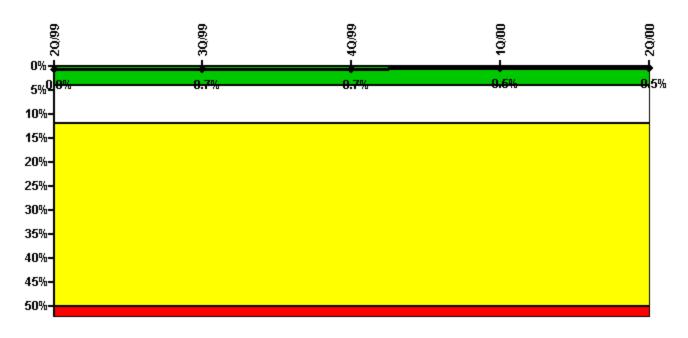
Safety System Unavailability, Emergency AC Power, >2EDG	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	9.60	21.40	9.00	2.50	1.40
Unplanned unavailable hours	0	19.80	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2135.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	0.90	27.20	2.60	2.30	1.40
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	2135.00	2208.00	2209.00	2184.00	2183.00
Train 3					
Planned unavailable hours	5.00	24.70	9.90	2.40	2.00
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	2135.00	2208.00	2209.00	2184.00	2183.00
Train 4					
Planned unavailable hours	2.70	25.90	4.00	2.90	1.40
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	2135.00	2208.00	2209.00	2184.00	2183.00
Train 5					
Planned unavailable hours	32.70	1.50	6.50	2.70	2.20
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0

Effective Reset hours		0	0	0	0
Required hours	2135.0	2208.00	2209.00	2184.00	2183.00
Train 6					
Planned unavailable hours	10.8	8.60	1.60	2.40	1.80
Unplanned unavailable hours		0	40.60	2.00	0
Fault exposure hours		0	0	0	0
Effective Reset hours		0	0	0	0
Required hours	2135.0	2208.00	2209.00	2184.00	2183.00
Train 7					
Planned unavailable hours	1.5	51.80	1.00	2.30	2.40
Unplanned unavailable hours		9.50	54.20	65.40	0
Fault exposure hours		0	0	0	0
Effective Reset hours		0	0	0	0
Required hours	2135.0	2208.00	2209.00	2184.00	2183.00
Train 8					
Planned unavailable hours	2.1	4.50	2.40	2.50	4.10
Unplanned unavailable hours		25.90	0	0	0
Fault exposure hours		0	0	0	0
Effective Reset hours		0	0	0	0
Required hours	2135.0	2208.00	2209.00	2184.00	2183.00
Indicator value	1.0%	0.9%	0.7%	0.7%	0.6%

#### Licensee Comments:

2Q/00: Revision to Oct-98 and Oct 99, added one hour to the hours train required for service during the month for each train. Removed 0.3 hrs from Train 6 on Jul-99 to correct typographical error. No color change. Removed .3 hours unplanned unavailability and 11.6 hours fault exposure hours from Sep 99 due to a review of the design calc's which determined that there was sufficient air to start the diesel at 150 psig. No color change.

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

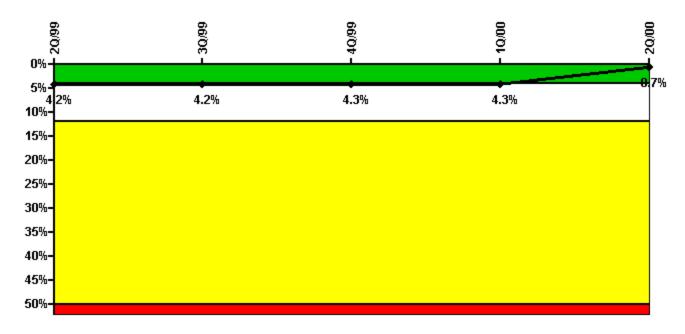


Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	24.00	3.00	0.50	1.50	0.92
Unplanned unavailable hours	36.75	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	1763.07
Indicator value	0.8%	0.7%	0.7%	0.5%	0.5%

### 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)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0.12	0.20	20.70	5.37	1.62
Unplanned unavailable hours	0	0	8.70	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	905.00
Required hours	2183.00	2208.00	2209.00	2184.00	1763.07
Indicator value	4.2%	4.2%	4.3%	4.3%	0.7%

#### Licensee Comments:

2Q/00: Revised Apr-98, Sep-98, Oct-98 hours required. Color did not change. Removed 905 fault exposure hours from Dec-98, in accordance with NEI 99-02 guidelines. Color changed from white to green.

4Q/98: Removed 905 fault exposure hours from Dec-98, in accordance with NEI 99-02 guidelines. Color changed from white to green.

4Q/98: Removed 905 fault exposure hours from Dec-98, in accordance with NEI 99-02 guidelines. Color changed from white to green.

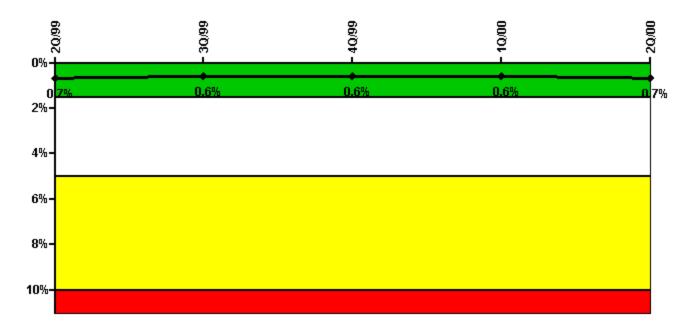
3Q/98: Changes made to required hours for Sep-98. No color change.

2Q/98: Changes were made to Unit 3 RCIC required hours for April. The changes do not affect the color of the indicator.

**Effective Reset Comments:** 

 $2Q/00\colon Previously$  reset hours were reset under the new process.

# 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	0.30	0.45	2.63	48.77	44.33
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	2054.00
Train 2					
Planned unavailable hours	0.30	0	6.99	13.27	6.65
Unplanned unavailable hours	0	3.29	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	1970.00
Train 3					
Planned unavailable hours	0.30	0.45	2.63	45.11	44.33
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	2054.00
Train 4					
Planned unavailable hours	0.30	0	0.66	20.27	44.67
Unplanned unavailable hours	0	3.29	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	1970.00
Indicator value	0.7%	0.6%	0.6%	0.6%	0.7%

Licensee Comments:

2Q/00: Revised May-98, Auq-98, Jul-99, Jan-00 data to remove hours for on-line planned overhaul maintenance. The color did not change.

2Q/00: Revised May-98, Aug-98, Jul-99, Jan-00 data to remove hours for on-line planned overhaul maintenance. The color did not change.

1Q/00: Jan-00 removed hours for planned on-line overhaul maintenance. On March, October, November, and December 1998, October, November, and December 1999, numbers slightly refined based on engineering re-evaluation. No color change.

1Q/00: Jan-00 removed hours for planned on-line overhaul maintenance. On March, October, November, and December 1998, October, November, and December 1999, numbers slightly refined based on engineering re-evaluation. No color change.

3Q/99: Changed quarterly values to monthly values. Removed hours for planned on-line overhaul maintenance. No color change.

3Q/99: Changed quarterly values to monthly values. Removed hours for planned on-line overhaul maintenance. No color change.

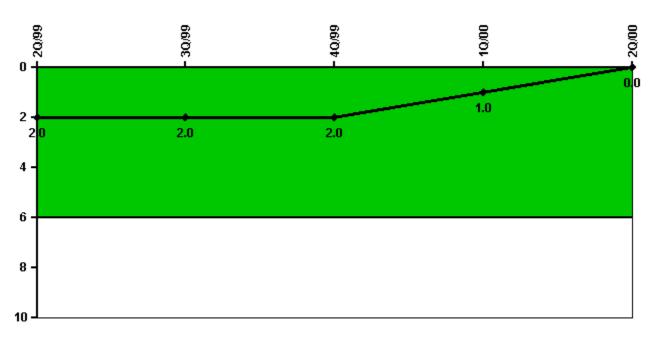
1Q/99: Changed quarterly values to monthly values. No color change.

4Q/98: On October 1998, number slightly refined based on engineering re-evaluation. No color change.

3Q/98: Changed quarterly values to monthly values. Removed hours for planned on-line overhaul maintenance. No color change.

2Q/98: Changed quarterly values to monthly values. May-98 removed hours for on-line planned overhaul maintenance. No color change.

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

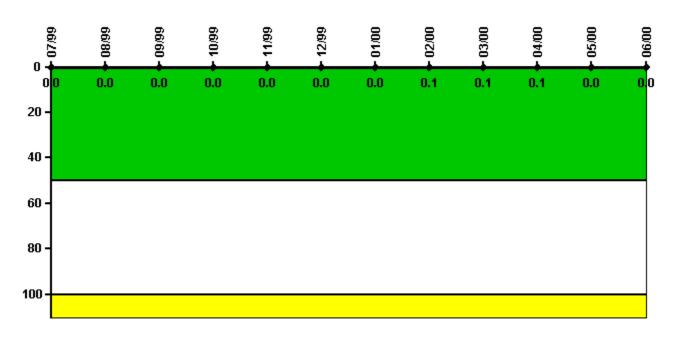
#### Notes

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

Licensee Comments:

2Q/00:

# **Reactor Coolant System Activity**

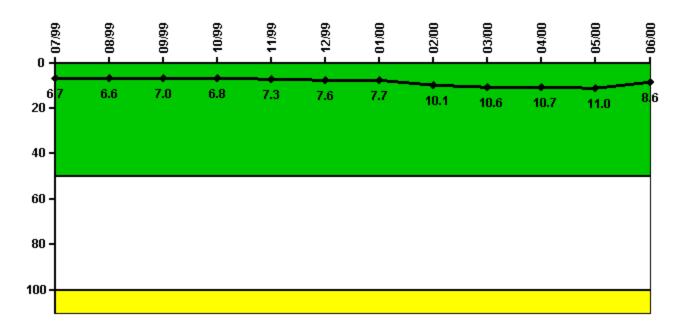


Thresholds: White > 50.0 Yellow > 100.0

### 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	0.000246	0.000246	0.000169	0.000433	0.000173	0.000221	0.000281	0.002640	0.004145	0.002850	0.000391	0.000337
Technical specification limit	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Indicator value	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0

# Reactor Coolant System Leakage

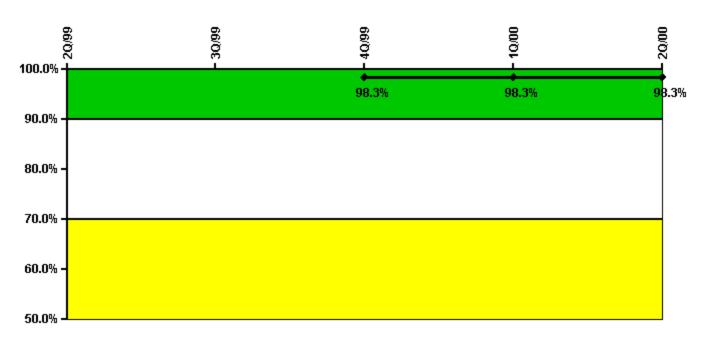


Thresholds: White > 50.0 Yellow > 100.0

### 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	2.020	1.980	2.090	2.030	2.180	2.270	2.320	3.030	3.180	3.220	3.310	2.570
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.7	6.6	7.0	6.8	7.3	7.6	7.7	10.1	10.6	10.7	11.0	8.6

## **Drill/Exercise Performance**

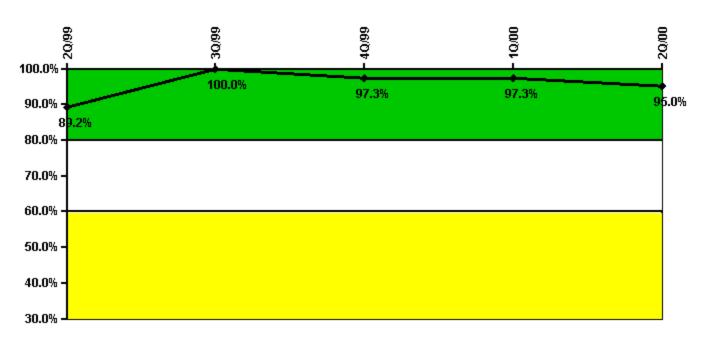


Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	9.0	8.0	52.0	0	4.0
Total opportunities	10.0	8.0	53.0	0	4.0
Indicator value			98.3%	98.3%	98.3%

# **ERO Drill Participation**

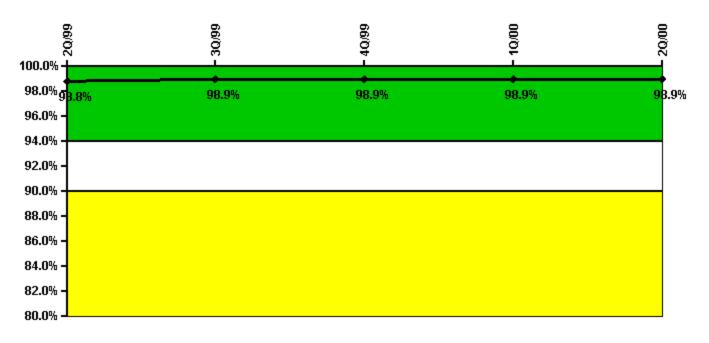


Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel	33.0	37.0	36.0	36.0	38.0
Total Key personnel	37.0	37.0	37.0	37.0	40.0
Indicator value	89.2%	100.0%	97.3%	97.3%	95.0%

## **Alert & Notification System**

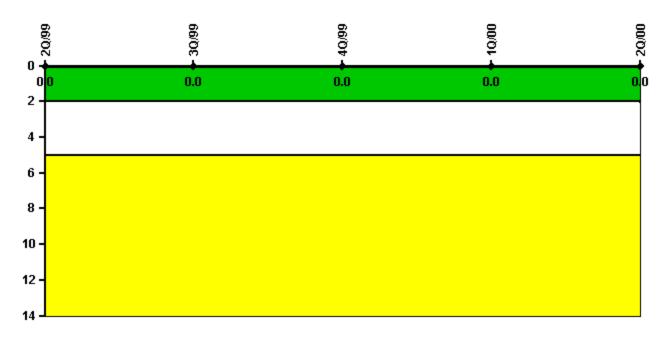


Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	691	994	691	788	693
Total sirens-tests	700	1000	700	800	700
Indicator value	98.8%	98.9%	98.9%	98.9%	98.9%

# Occupational Exposure Control Effectiveness

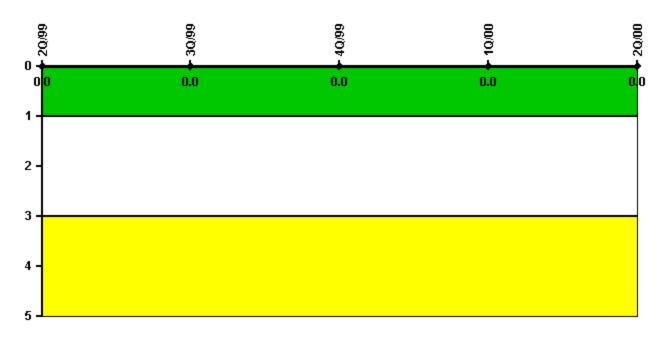


Thresholds: White > 2.0 Yellow > 5.0

### 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

# **RETS/ODCM Radiological Effluent**

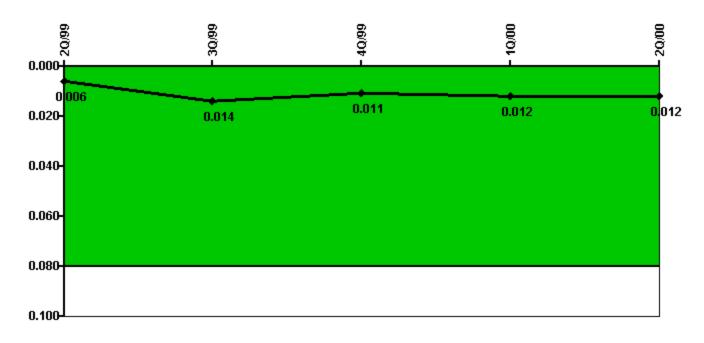


Thresholds: White > 1.0 Yellow > 3.0

#### 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

# **Protected Area Security Performance Index**

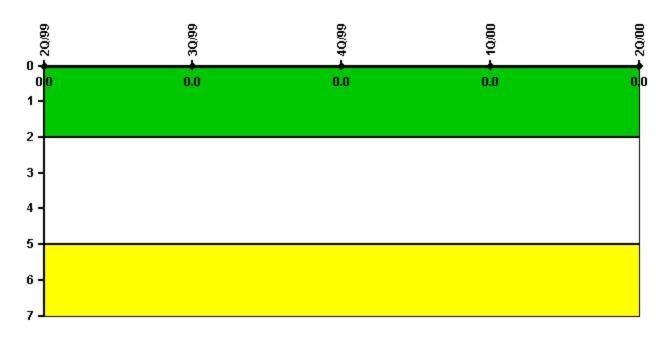


Thresholds: White > 0.080

### Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	15.25	185.80	0	0	34.54
CCTV compensatory hours	17.0	119.5	0	37.7	2.9
IDS normalization factor	1.95	1.95	1.95	1.95	1.95
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7
Index Value	0.006	0.014	0.011	0.012	0.012

# **Personnel Screening Program**

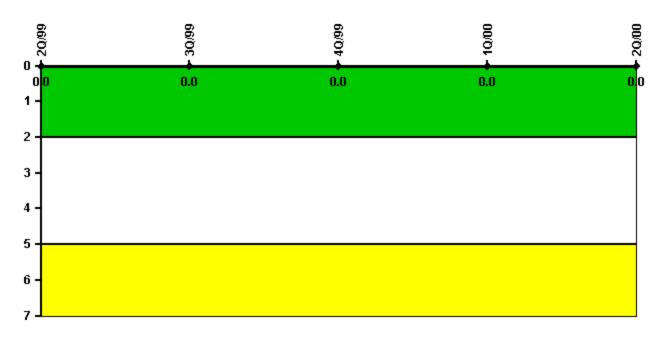


Thresholds: White > 2.0 Yellow > 5.0

### 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

## 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

A PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002