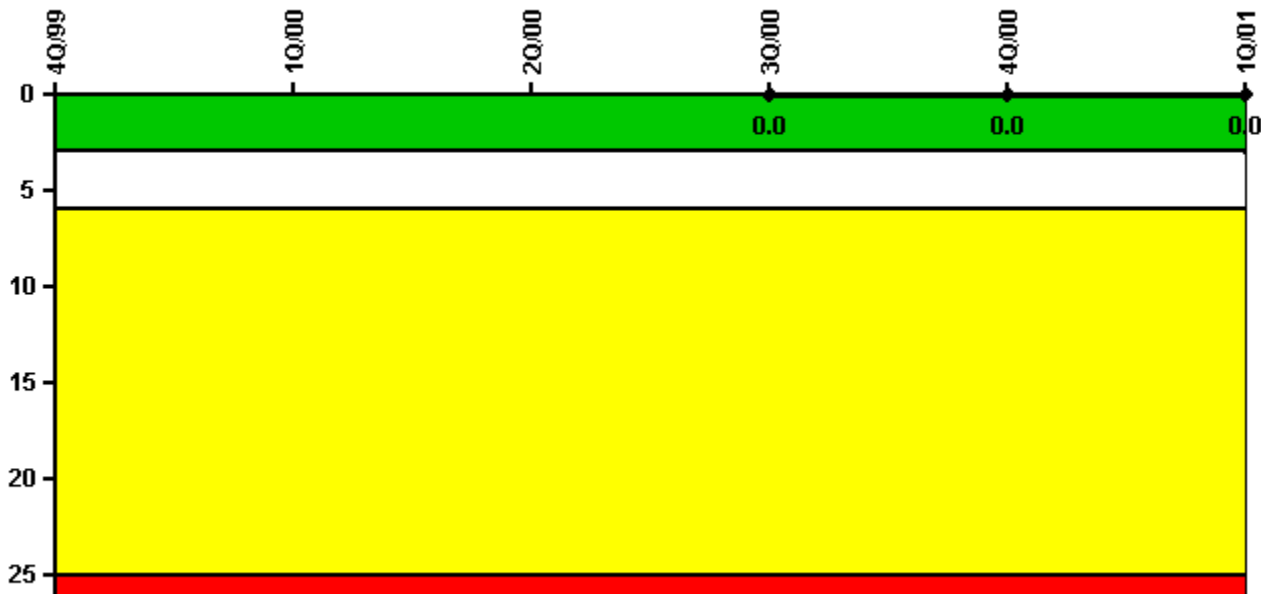


### D.C. Cook 2

#### 1Q/2001 Performance Indicators

Licensee's General Comments: Cook Unit 2 returned to service June 25, 2000 after a 33-month forced outage. Without sufficient operational service, various performance indicators are not calculated.

#### 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
Unplanned scrams	0	0	0	0	0	0
Critical hours	0	0	197.0	2208.0	2209.0	2076.0
Indicator value	N/A	N/A	N/A	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



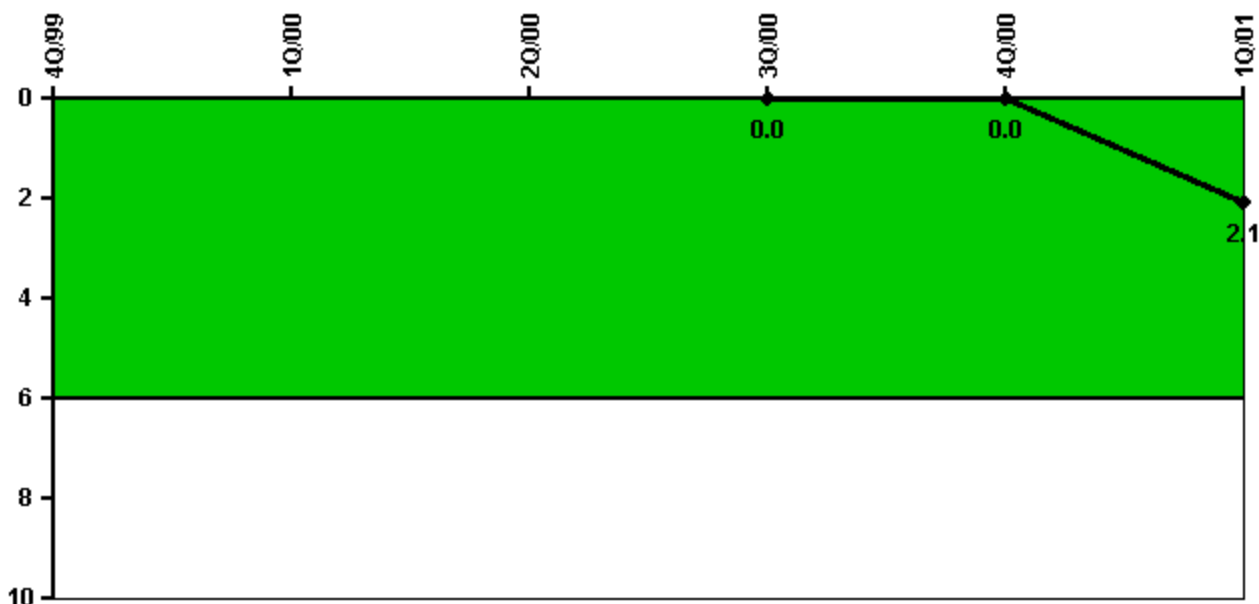
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	2.0
Critical hours	0	0	197.0	2208.0	2209.0	2076.0
Indicator value	N/A	N/A	N/A	0	0	2.1

#### Licensee Comments:

1Q/01: Unit 2 required 2 unplanned power reductions. On 1/22/01, a Technical Specification required shutdown was initiated due to inoperable Shutdown Rod Bank C and was halted at 25% reactor power when operability was declared. On 1/23/01, a Technical Specification required shutdown was completed due to inoperable Shutdown Rod Bank D. Shutdown Rod Bank C and D inoperability was caused by loose electrical connections in the Rod Control circuitry. The loose connections would not have prevented the Rod Banks from inserting in response to a reactor trip. The loose connections have been repaired and preventive maintenance requirements to periodically verify the connections have been established.

### 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
<b>Train 1</b>						
Planned unavailable hours	0	0	4.45	8.20	20.78	0.47
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	2184.00	2208.00	2209.00	2160.00
<b>Train 2</b>						
Planned unavailable hours	0	0	6.20	0	13.30	27.25
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	2184.00	2208.00	2209.00	2160.00
<b>Indicator value</b>						

Licensee Comments:

1Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated.

4Q/00: Change made to add planned unavailable hours to train 1EDG to account for CO2 testing.

1Q/00: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

4Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

3Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

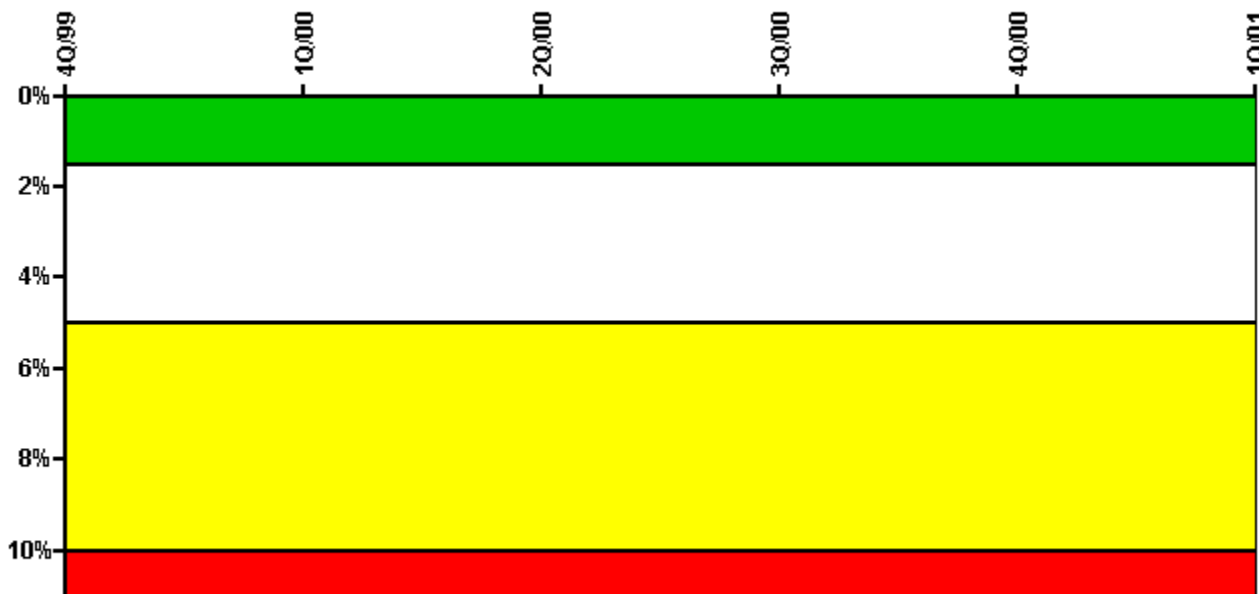
2Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

### 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
<b>Train 1</b>						
Planned unavailable hours	0	0	0	7.50	9.18	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	581.00	2208.00	2209.00	2160.00
<b>Train 2</b>						
Planned unavailable hours	0	0	0	0	0	16.65
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	581.00	2208.00	2209.00	2160.00
<b>Train 3</b>						

Planned unavailable hours	0	0	0	0	3.72	13.83
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	453.60	2208.00	2209.00	2160.00
<b>Train 4</b>						
Planned unavailable hours	0	0	0	4.97	0	0
Unplanned unavailable hours	0	0	11.25	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	453.60	2208.00	2209.00	2160.00
<b>Indicator value</b>						

Licensee Comments:

1Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated.

1Q/00: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

4Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

3Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

2Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

### 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
<b>Train 1</b>						
Planned unavailable hours	0	0	0.98	0	0	5.58
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	454.00	2208.00	2209.00	2160.00
<b>Train 2</b>						
Planned unavailable hours	0	0	1.10	0	10.41	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	454.00	2208.00	2209.00	2160.00
<b>Train 3</b>						
Planned unavailable hours	0	0	0	0	0	11.98
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	78.06	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	454.00	2208.00	2209.00	2160.00
<b>Indicator value</b>						

#### Licensee Comments:

1Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated.

4Q/00: Change report submitted to remove unplanned unavailable hours for the TDAFP as the result of an evaluation performed that determined the TDAFP was available. Also, the 10.41 hours of planned unavailable hours has been moved to train 2 to correct a train reporting error.

1Q/00: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved

November 15, 2001.

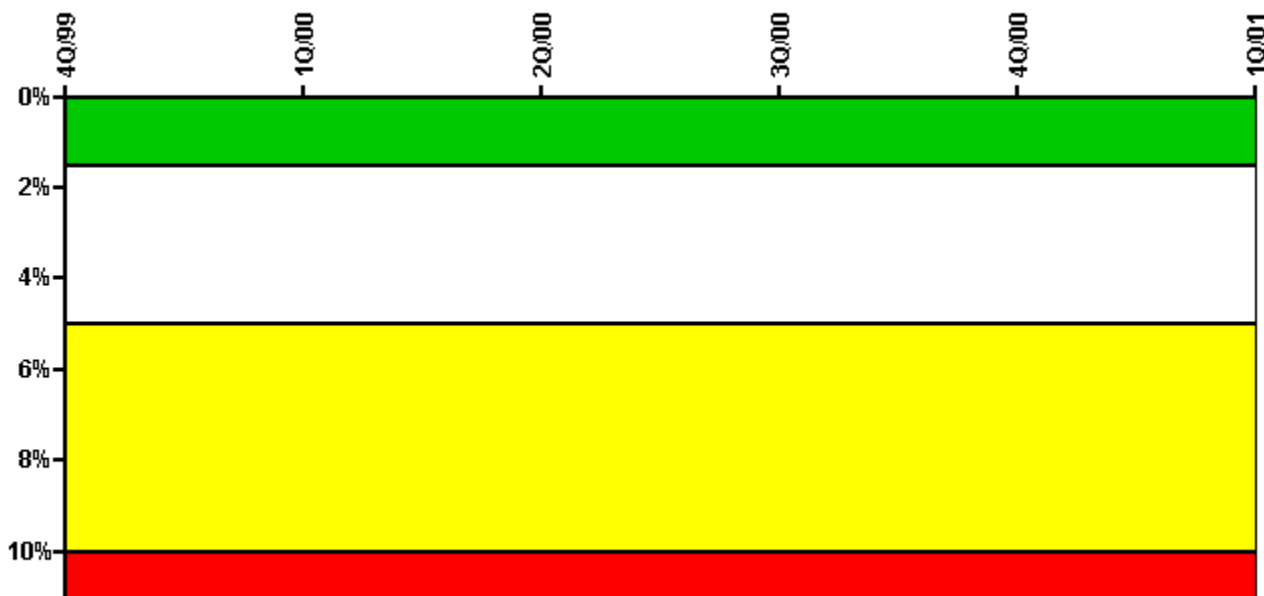
4Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

3Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

2Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

### 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
<b>Train 1</b>						
Planned unavailable hours	0	0	0	0	11.70	6.63
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	0	0	2184.00	2208.00	2209.00	2160.00
<b>Train 2</b>						
Planned unavailable hours	0	0	0	0	0	6.97
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0



Required hours	0	0	2184.00	2208.00	2209.00	2160.00
Indicator value						

Licensee Comments:

1Q/01: Indicator value is N/A due to having less than 12 quarters of data accumulated.

1Q/00: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

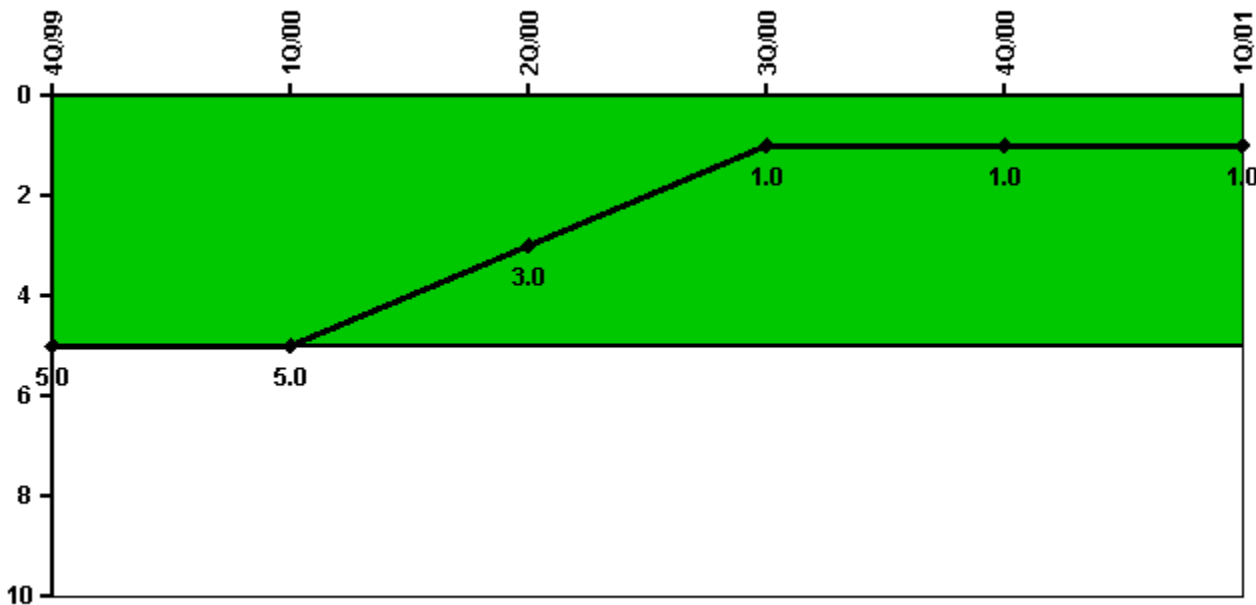
4Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

3Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

2Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

1Q/99: Hours for this quarter have been "zero-summed" to provide for a 4Q2001 indicator calculation in accordance with FAQ 291 approved November 15, 2001.

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

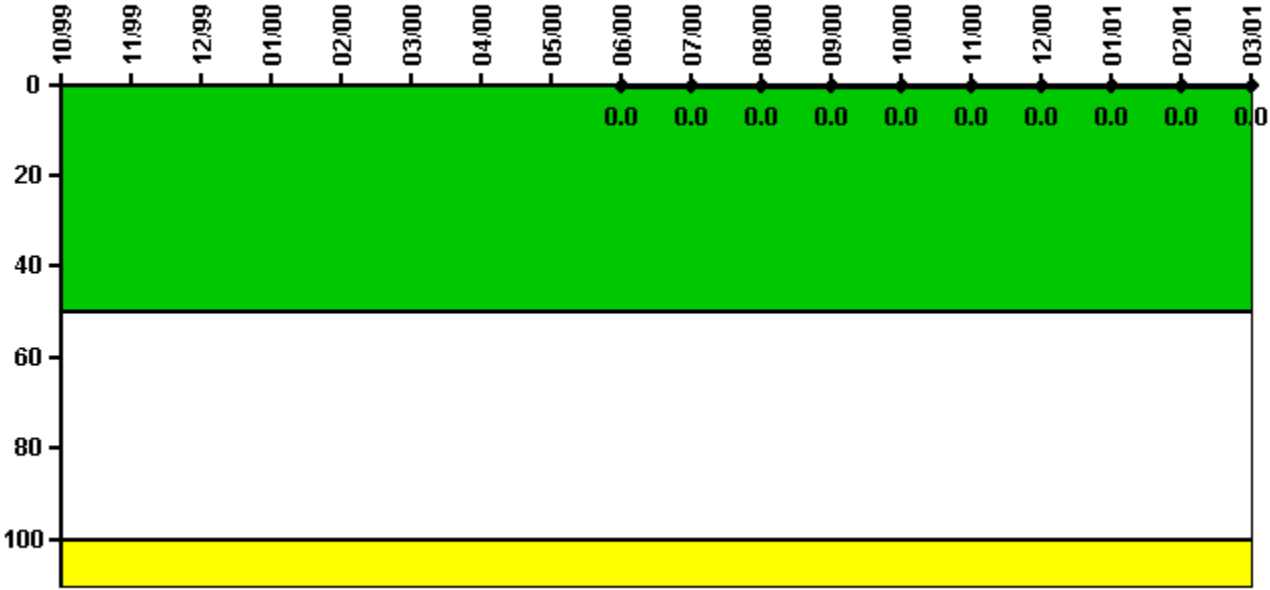
Notes

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

Indicator value	5	5	3	1	1	1
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Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

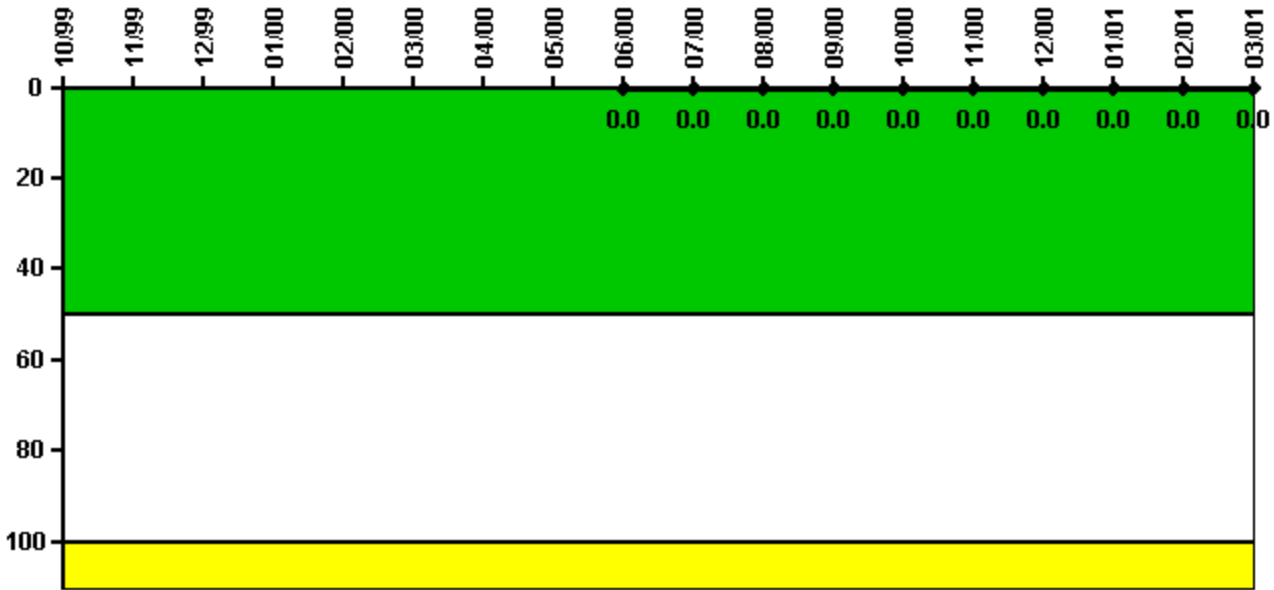
### Notes

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							N/A	N/A	0.000200	0.000311	0.000337	0.000364
Technical specification limit							1.0	1.0	1.0	1.0	1.0	1.0
Indicator value							N/A	N/A	0	0	0	0

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000363	0.000386	0.000370	0.000394	0.000414	0.000401
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

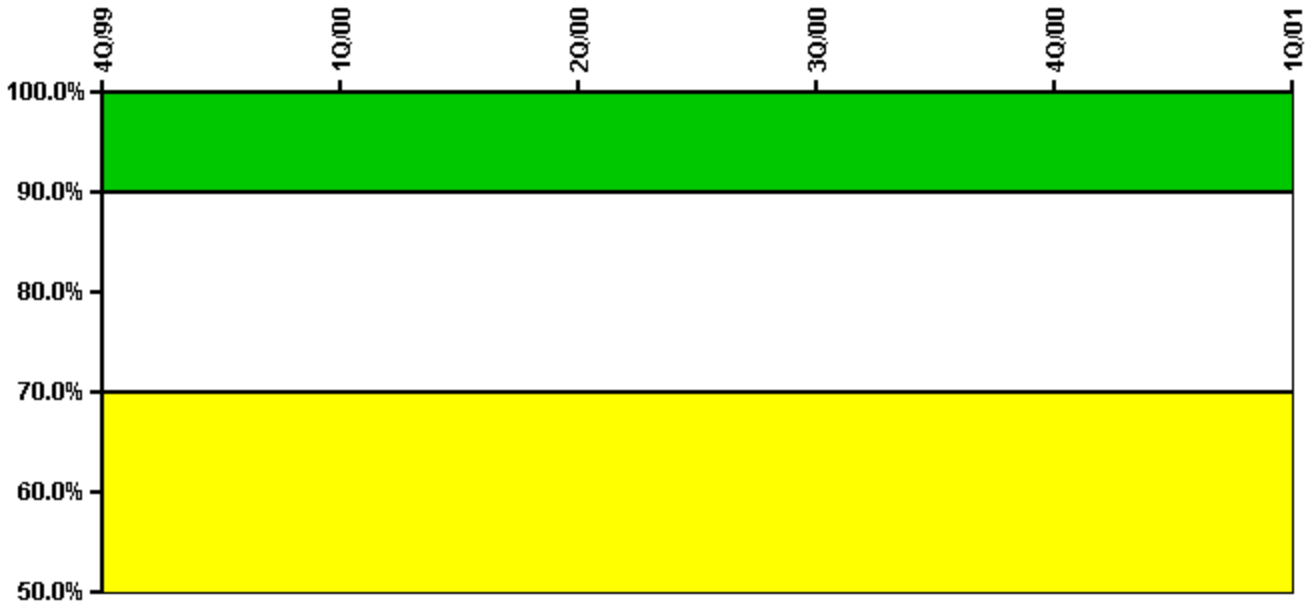
#### Notes

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							N/A	N/A	0	0	0	0
Technical specification limit							10.0	10.0	10.0	10.0	10.0	10.0
Indicator value							N/A	N/A	0	0	0	0

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

### Drill/Exercise Performance



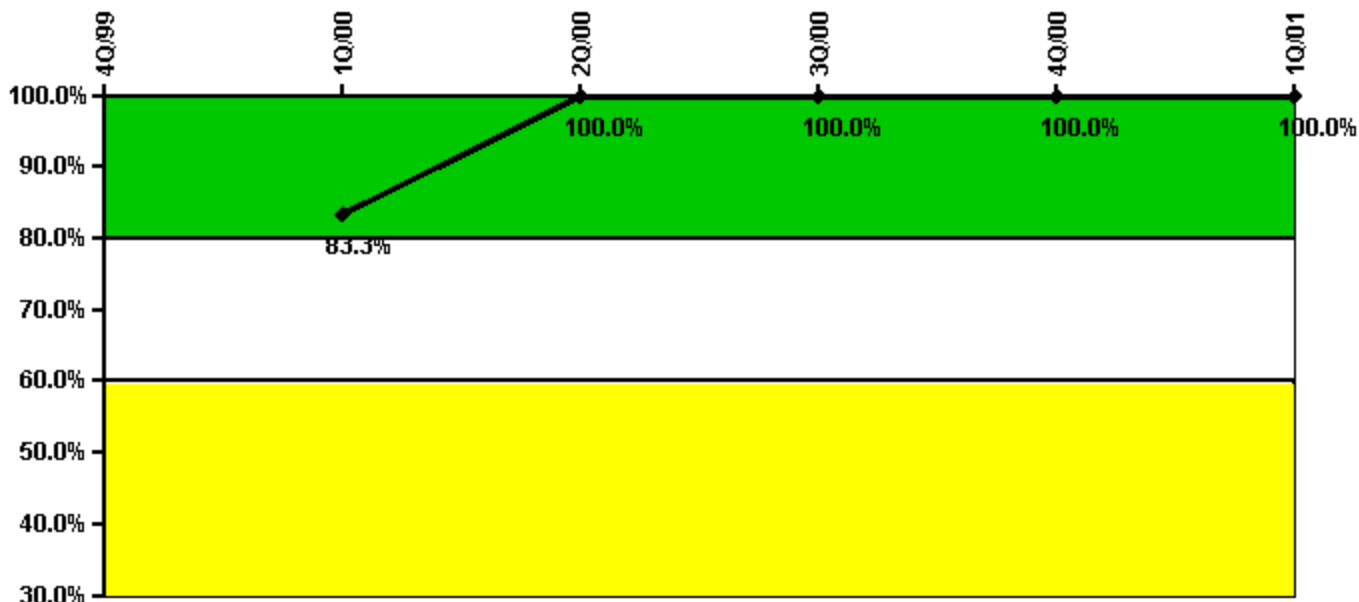
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	24.0	25.0	56.0	54.0	24.0	44.0
Total opportunities	24.0	25.0	59.0	55.0	26.0	44.0
Indicator value						

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

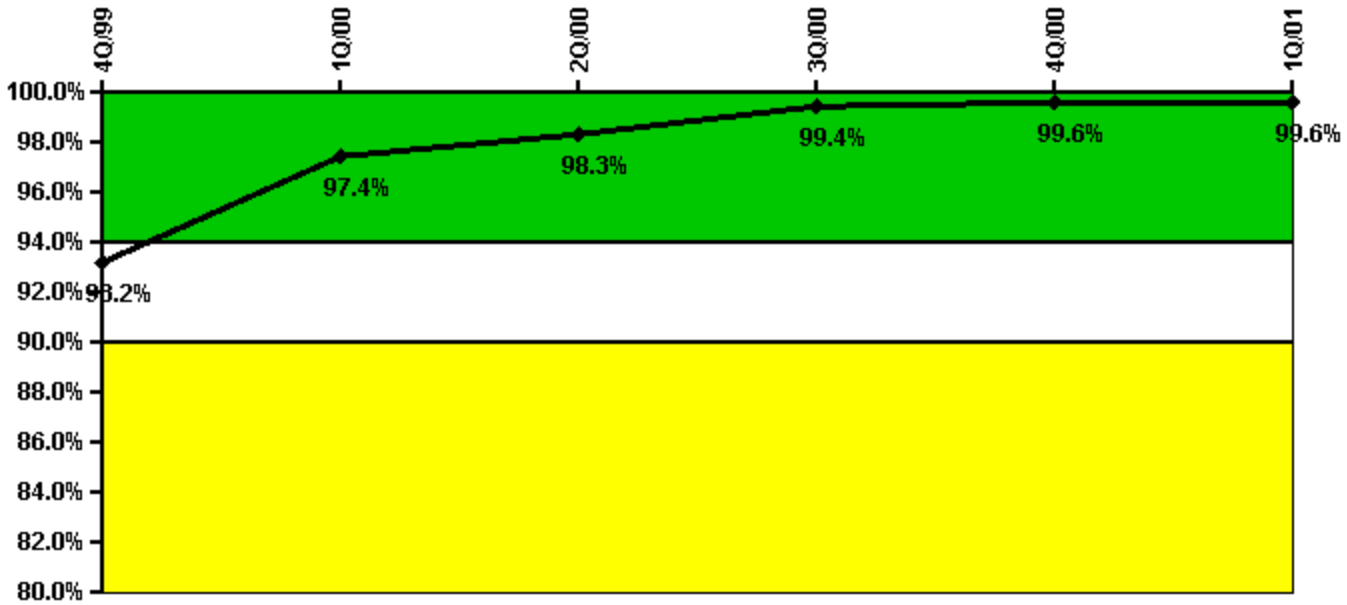
#### Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel		35.0	46.0	48.0	50.0	54.0
Total Key personnel		42.0	46.0	48.0	50.0	54.0
<b>Indicator value</b>		<b>83.3%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments:

1Q/01: 1Q2001 data did not account for 3 key ERO members that fill two positions. The 3 individuals had participated in a drill, exercise or actual event for both ERO positions, therefore the resulting indicator value is unaffected. This oversight has been entered into the D.C. Cook Plant Corrective Action Program.

### Alert & Notification System



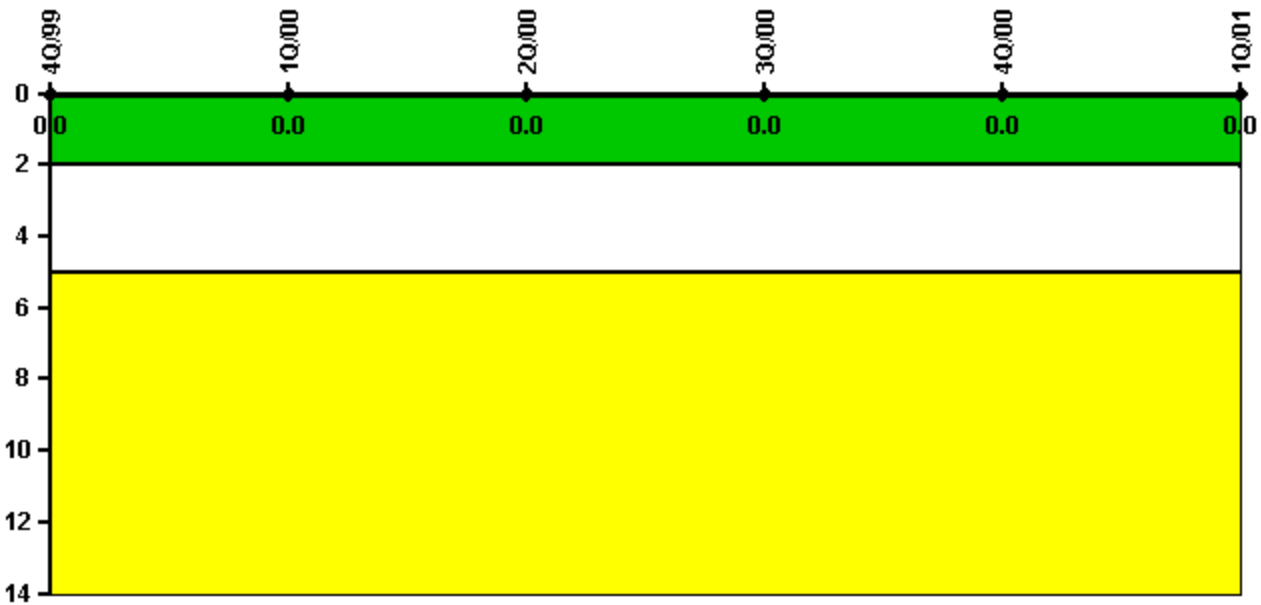
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	207	209	209	210	209	209
Total sirens-tests	210	210	210	210	210	210
Indicator value	93.2%	97.4%	98.3%	99.4%	99.6%	99.6%

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
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</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

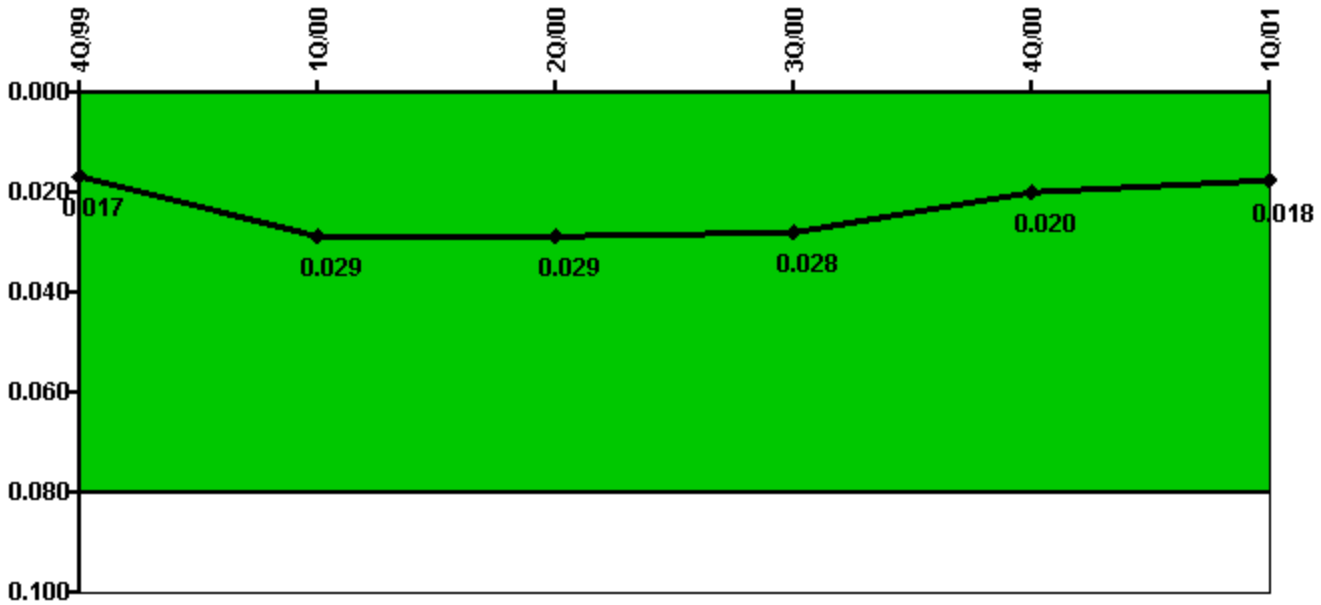
#### Notes

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

Licensee Comments: none



### Protected Area Security Performance Index



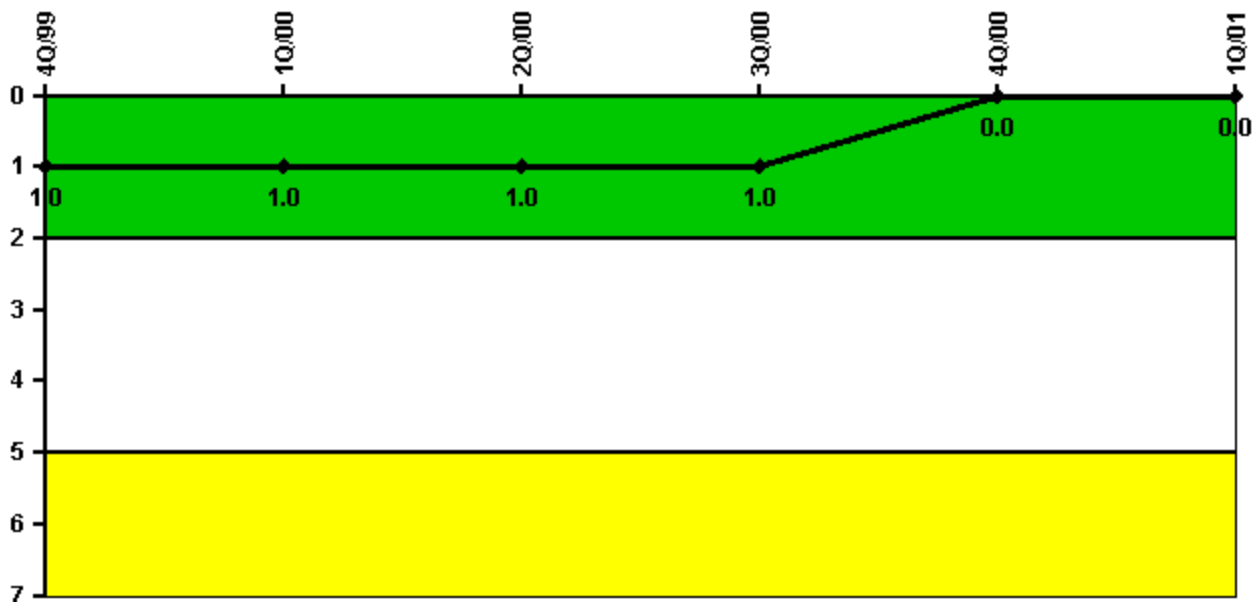
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	199.30	364.70	31.80	4.05	40.38	376.40
CCTV compensatory hours	16.7	38.5	0	0.1	0	0
IDS normalization factor	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
<b>Index Value</b>	<b>0.017</b>	<b>0.029</b>	<b>0.029</b>	<b>0.028</b>	<b>0.020</b>	<b>0.018</b>

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
Program failures	1	0	0	0	0	0
Indicator value	1	1	1	1	0	0

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
Program Failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 28, 2002