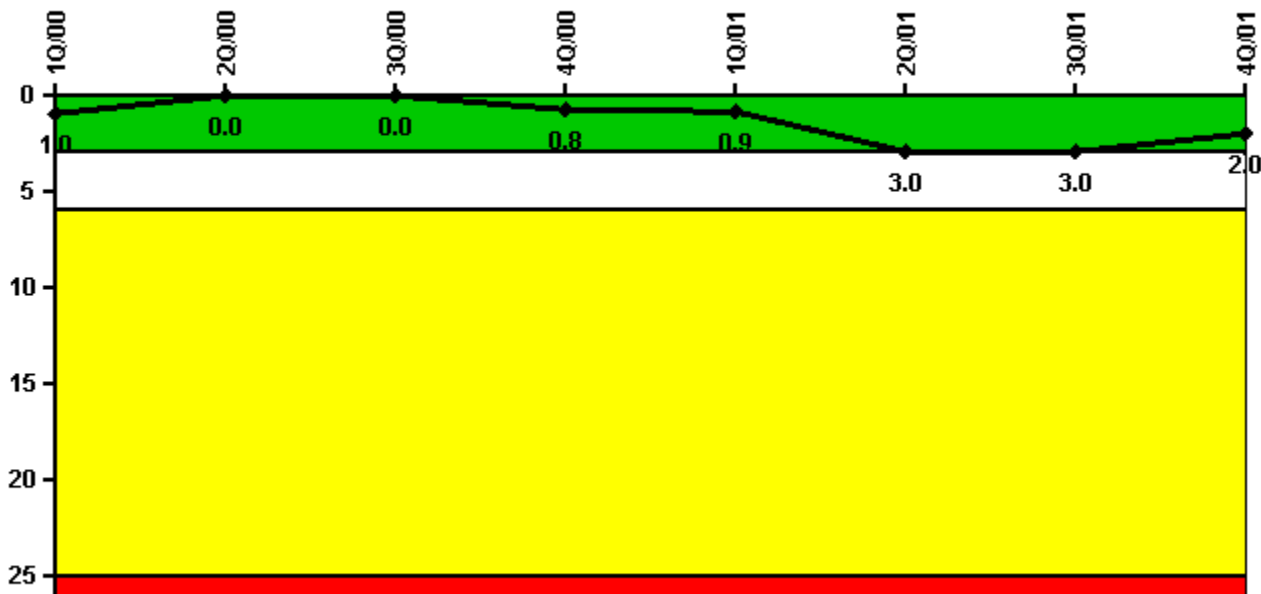


**Farley 2**

**4Q/2001 Performance Indicators**

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**



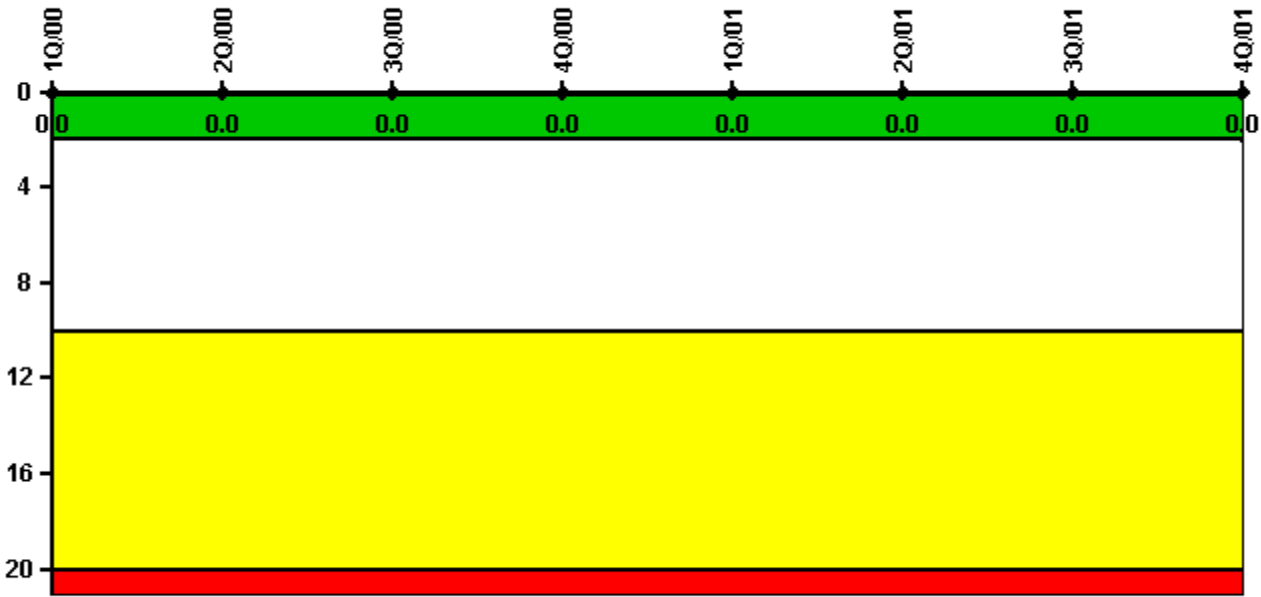
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	0	0	1.0	0	2.0	0	0
Critical hours	2184.0	2183.0	2208.0	2175.7	1296.8	1262.3	2208.0	2209.0
Indicator value	1.0	0	0	0.8	0.9	3.0	3.0	2.0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



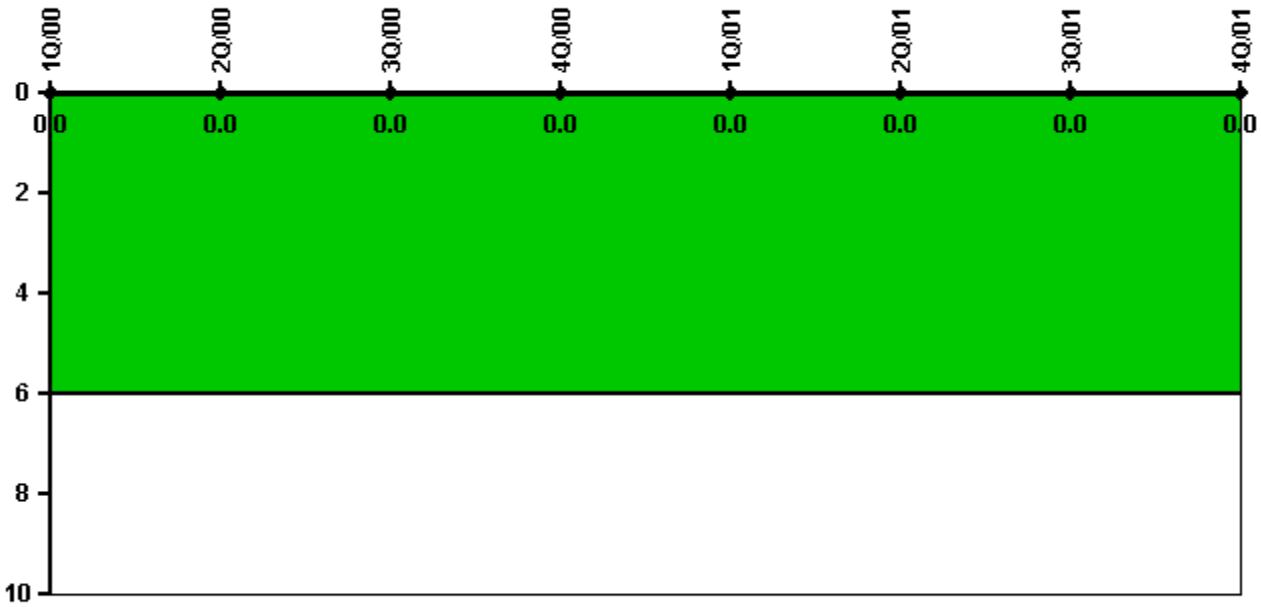
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

### Notes

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



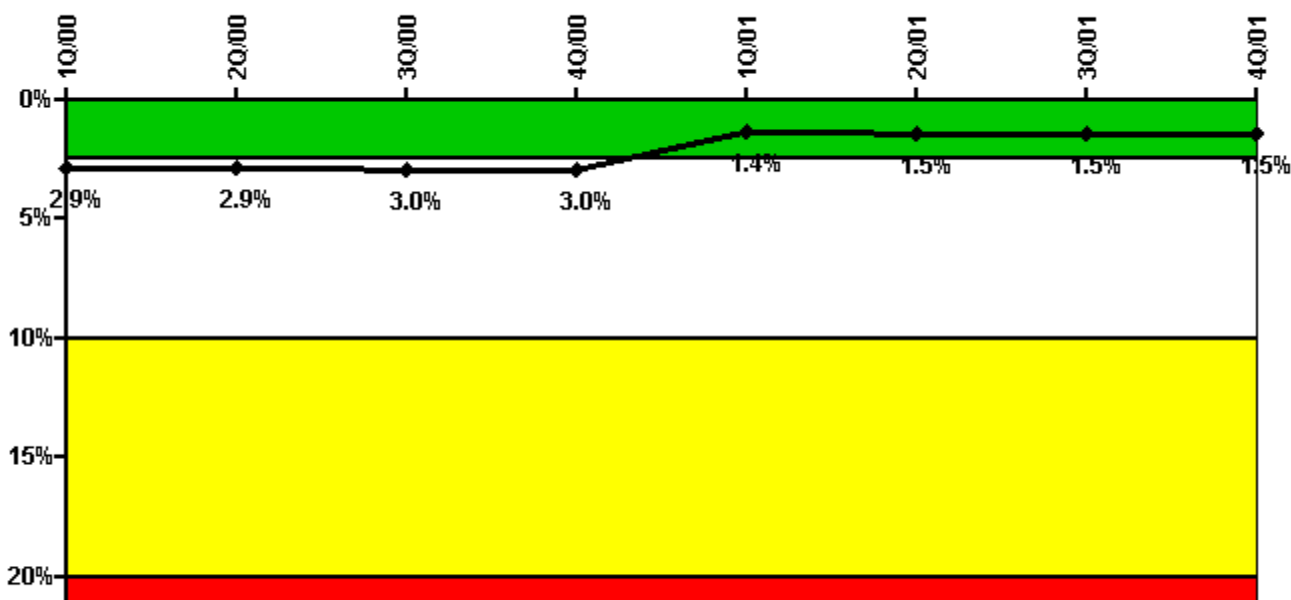
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	2175.7	1296.8	1262.3	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### 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	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	19.60	9.60	132.50	192.90	1.40	0	19.60	5.70
Unplanned unavailable hours	6.50	0	0.60	0	0.30	0	0	0
Fault exposure hours	1038.40	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	1038.40	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0.30	3.40	8.00	19.00	1.10	20.10	0	11.10
Unplanned unavailable hours	58.10	0	0	0	0	2.70	0	0
Fault exposure hours	0	0	0	0	0	44.30	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	101.70	3.10	0	0.70	0.70	0	0.20	0.80
Unplanned unavailable hours	0	7.80	13.50	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>2.9%</b>	<b>2.9%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.5%</b>

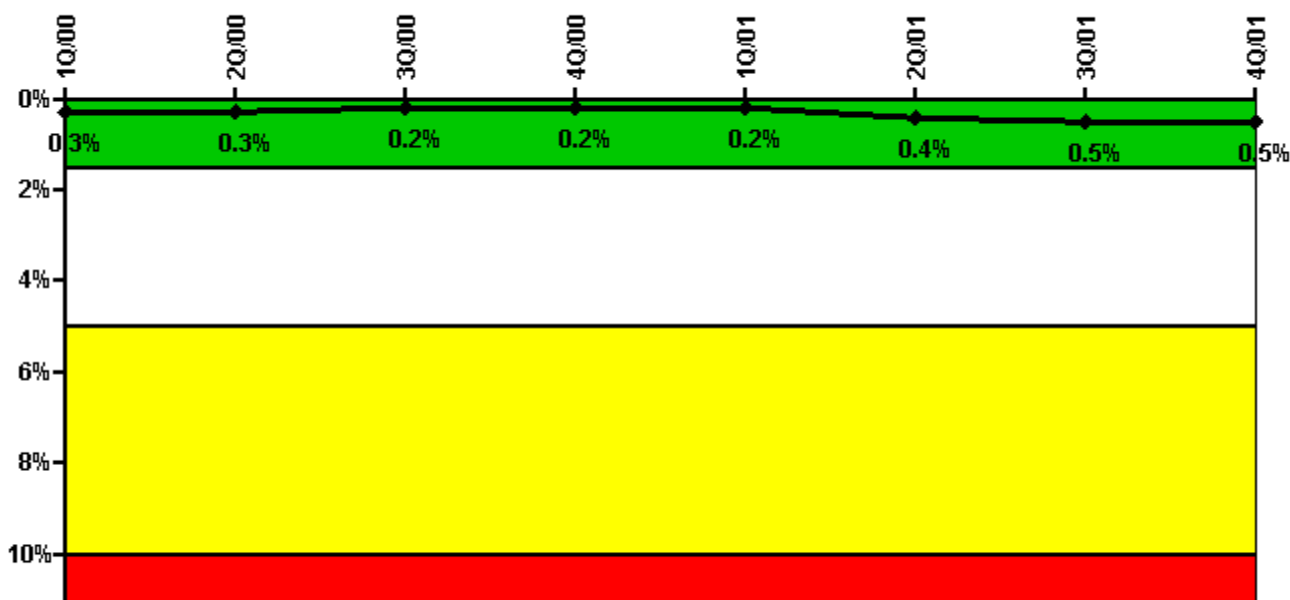
Licensee Comments:

1Q/00: One of 3 diesel generators unavailable due to lack of automatic power transfer capability. DG was operable per Technical Specifications. Reasonable operator action is not credited under this indicator. WHITE entry.

Effective Reset Comments:

1Q/01: Previously reset hours were reset under new process.

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



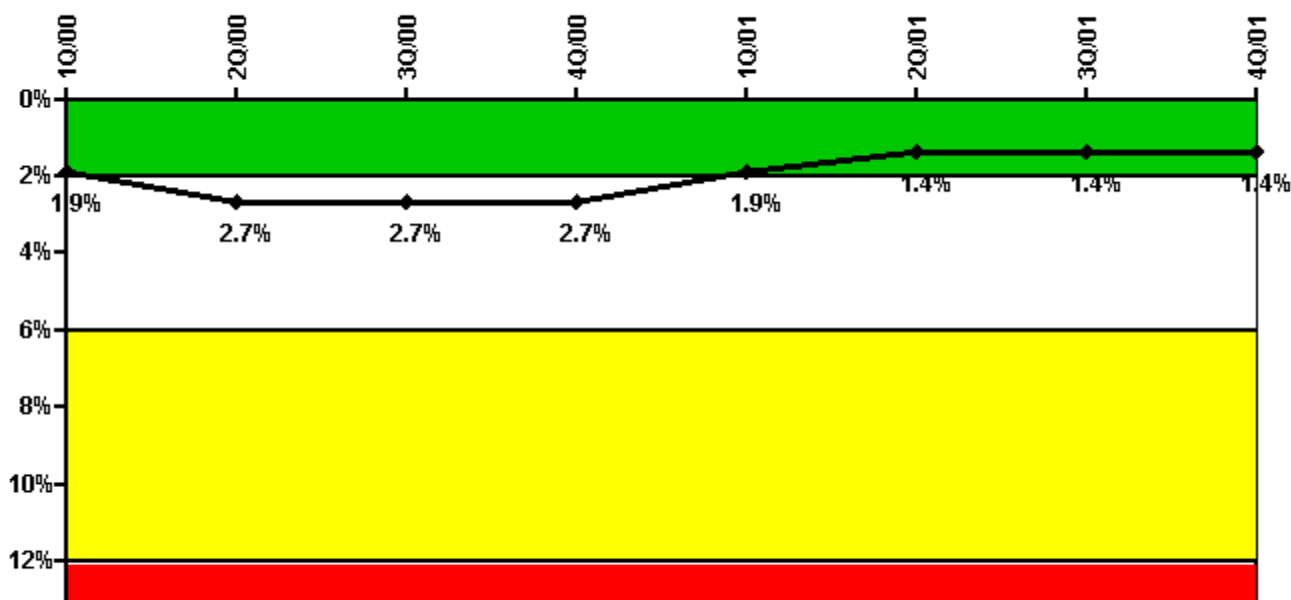
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	0	3.20	6.40	6.00	2.90	12.40	1.10	3.50
Unplanned unavailable hours	0	0	0.60	0	0	0.50	8.50	13.90
Fault exposure hours	0	0	0	0	0	0	14.90	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0.30	6.00	6.40	2.20	3.30	20.80	3.60	4.00
Unplanned unavailable hours	58.10	0	0	0	0	2.70	0	0
Fault exposure hours	0	0	0	0	0	44.30	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>

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)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	4.40	6.50	7.10	4.30	2.90	12.40	1.10	3.90
Unplanned unavailable hours	11.40	0	0.60	0	0	0	8.50	0
Fault exposure hours	668.90	0	0	0	0	0	14.90	0
Effective Reset hours	0	0	0	0	572.70	0	0	0
Required hours	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	0.30	12.10	7.00	21.60	3.60	20.80	3.50	4.70
Unplanned unavailable hours	58.10	0	0	0	0	2.70	0	0
Fault exposure hours	0	0	0	0	0	44.30	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	19.60	3.20	4.30	0.20	0.80	0.50	0.50	0.60
Unplanned unavailable hours	17.30	56.30	0	0	0	0	0	0
Fault exposure hours	234.50	515.00	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	360.60	0	0
Required hours	2184.00	2183.00	2208.00	2175.67	1296.80	1262.30	2208.00	2209.00
<b>Indicator value</b>	<b>1.9%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>1.9%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>

Licensee Comments:

1Q/01: Revised 2Q, 3Q, and 4Q 2000 data to include Reactor Protection System testing hours. Color unaffected.

2Q/00: WHITE threshold exceeded: Fault exposure due to failure of Turbine Driven Auxiliary Feedwater Pump speed control circuitry. Unplanned hours for repairs. Formal Root Cause Investigation performed. Fault exposure discovered in April results in change to first quarter 2000 data. Reactor Protection System testing hours added with 1Q2001 report. Color unaffected.

1Q/00:

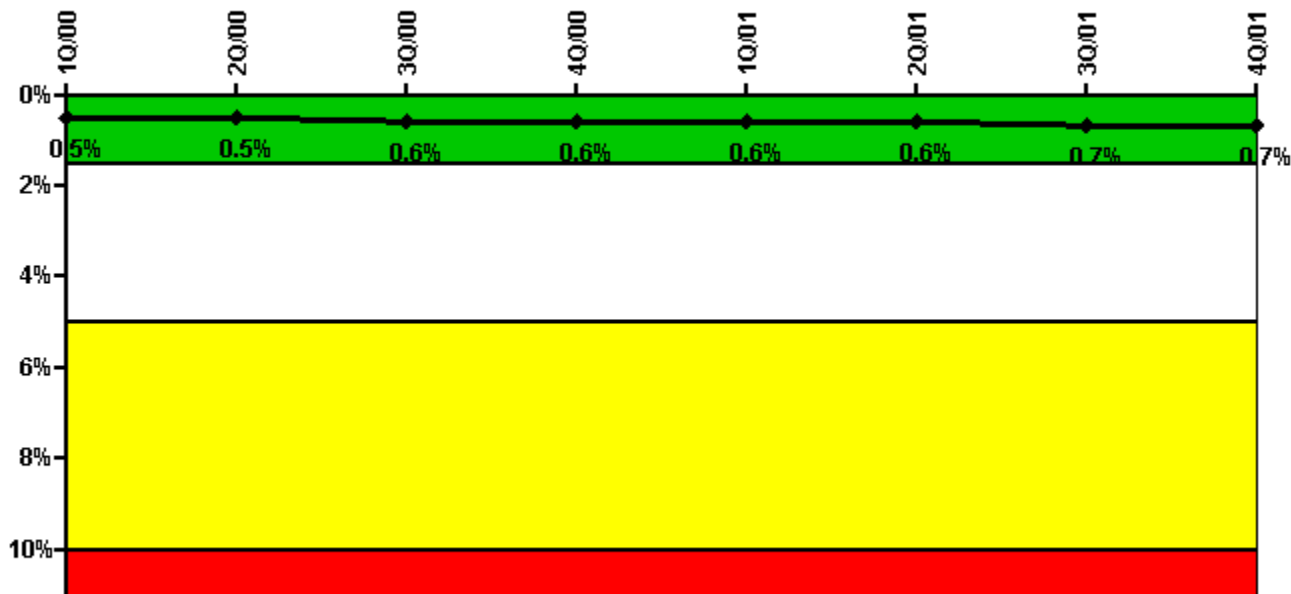
Effective Reset Comments:

2Q/01: Previously reset hours were reset under new process

2Q/01: Previously reset hours were reset under new process.

1Q/01: Previously reset hours were reset under new process.

### Safety System Unavailability, Residual Heat Removal System



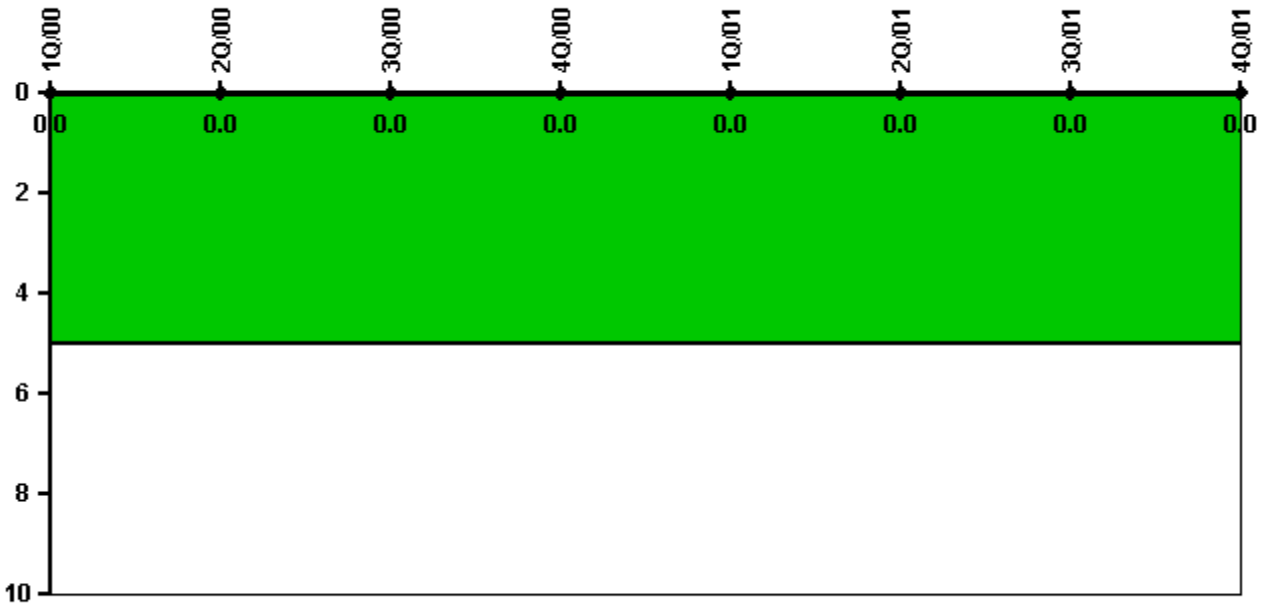
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	9.70	3.80	20.70	5.80	21.70	17.60	8.10	16.70
Unplanned unavailable hours	12.00	3.60	0.60	0	0	0.60	8.50	13.90
Fault exposure hours	0	0	0	0	0	0	14.90	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	7.20	7.60	21.70	11.40	3.30	25.60	4.10	6.80
Unplanned unavailable hours	58.10	0	0	0	0	2.70	0	0
Fault exposure hours	0	0	0	0	0	44.30	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

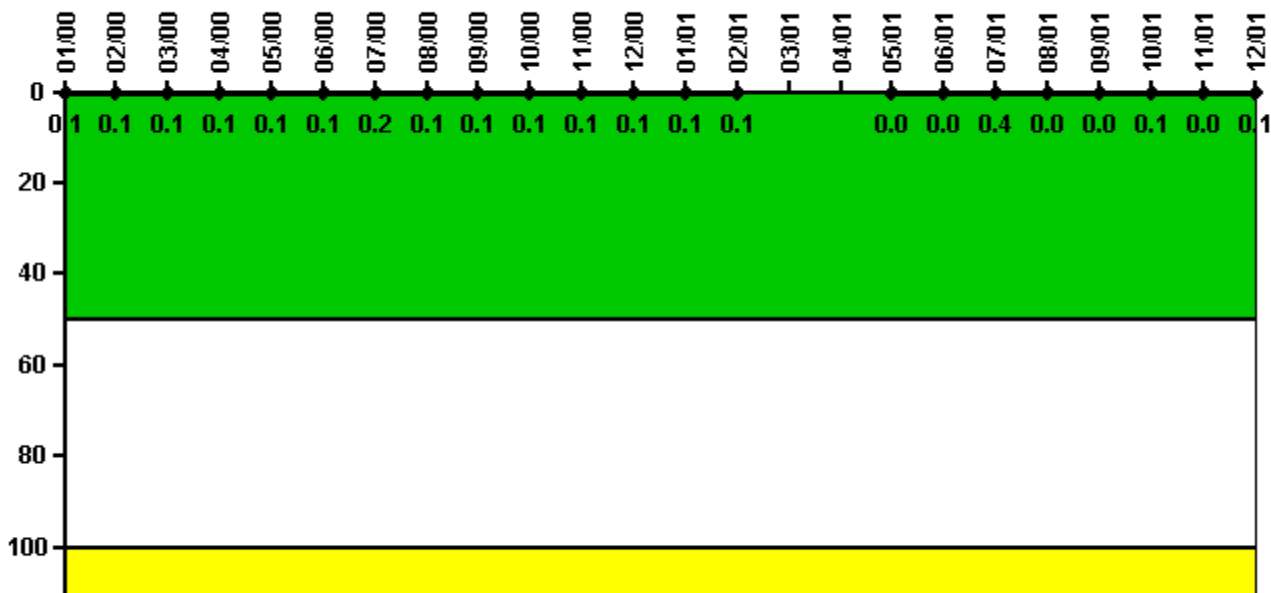
#### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

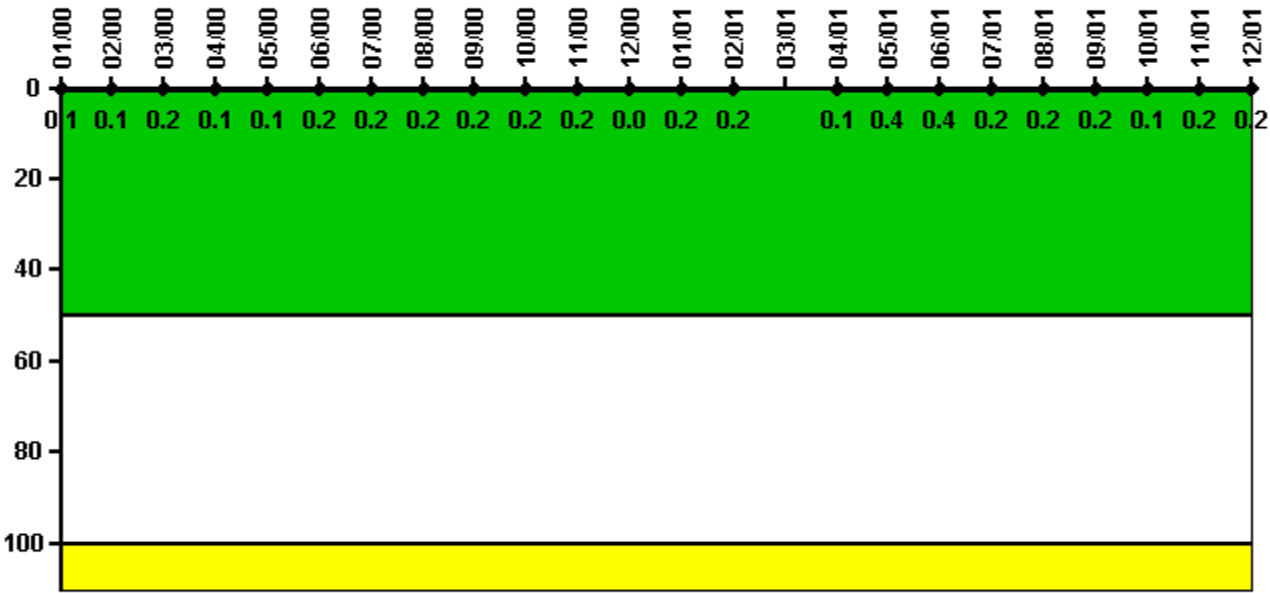
Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000397	0.000442	0.000443	0.000407	0.000440	0.000438	0.000477	0.000206	0.000237	0.000228	0.000241	0.000260
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000241	0.000240	N/A	N/A	0.000132	0.000164	0.001814	0.000207	0.000200	0.000439	0.000222	0.000251
Technical specification limit	0.3	0.3	N/A	N/A	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.1	0.1	N/A	N/A	0	0	0.4	0	0	0.1	0	0.1

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

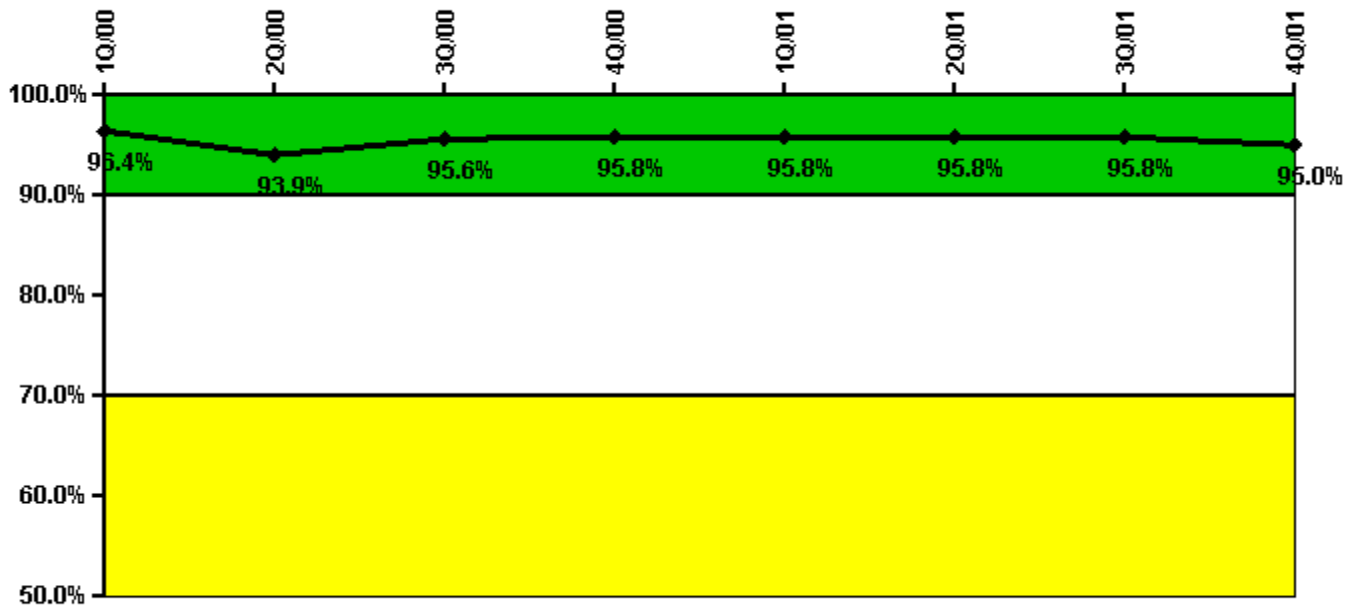
Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.012	0.012	0.020	0.013	0.010	0.018	0.020	0.018	0.018	0.020	0.018	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0.018	0.023	N/A	0.006	0.036	0.037	0.023	0.018	0.024	0.013	0.017	0.024
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	0.2	0.2	N/A	0.1	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.2

Licensee Comments: none

### Drill/Exercise Performance



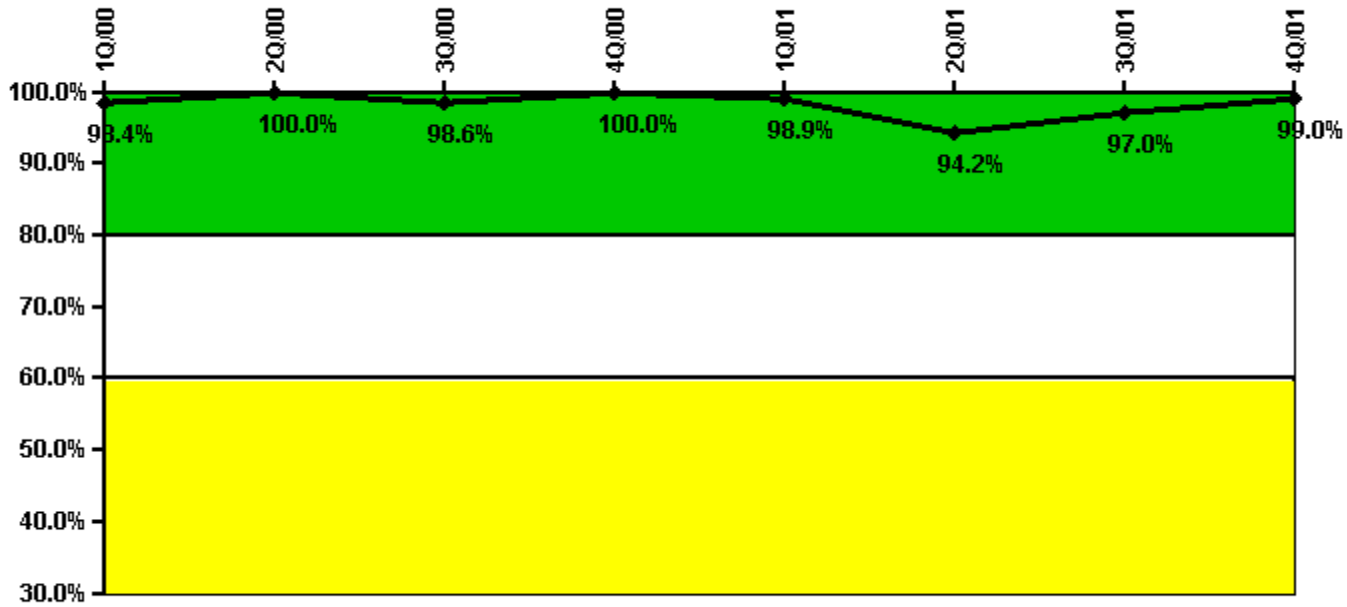
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	6.0	15.0	65.0	56.0	9.0	37.0	61.0	38.0
Total opportunities	6.0	18.0	66.0	58.0	10.0	38.0	64.0	42.0
Indicator value	96.4%	93.9%	95.6%	95.8%	95.8%	95.8%	95.8%	95.0%

Licensee Comments: none

### ERO Drill Participation



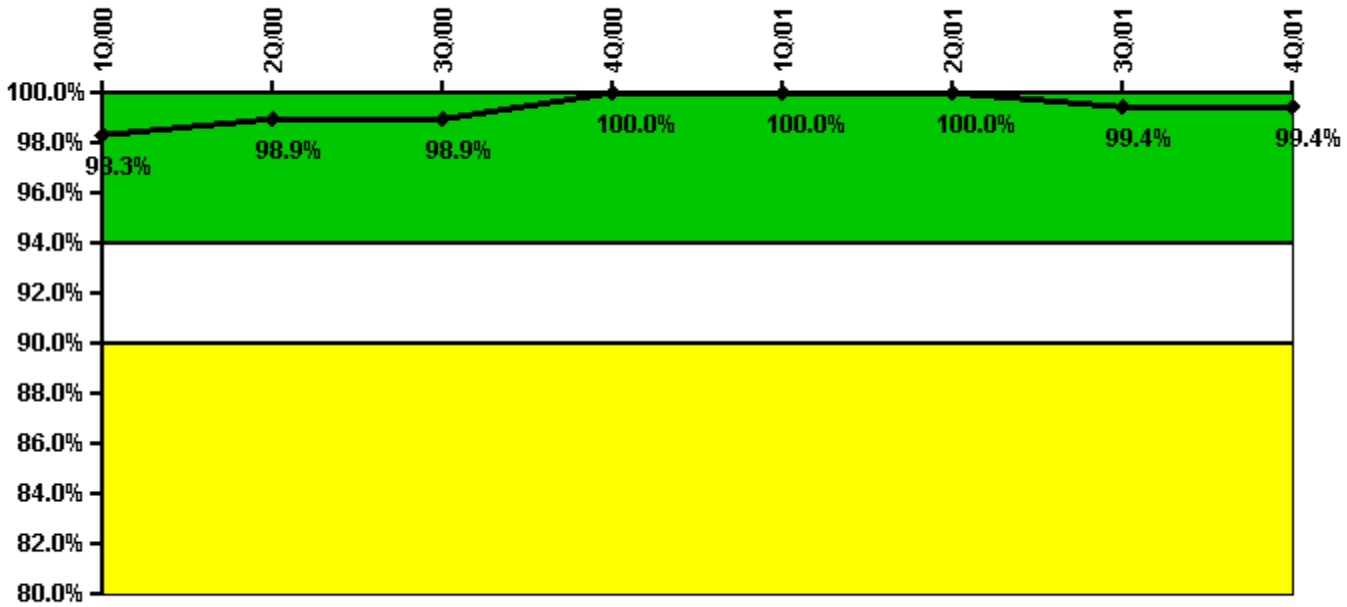
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	121.0	121.0	141.0	103.0	94.0	97.0	97.0	99.0
Total Key personnel	123.0	121.0	143.0	103.0	95.0	103.0	100.0	100.0
Indicator value	98.4%	100.0%	98.6%	100.0%	98.9%	94.2%	97.0%	99.0%

Licensee Comments: none

### Alert & Notification System



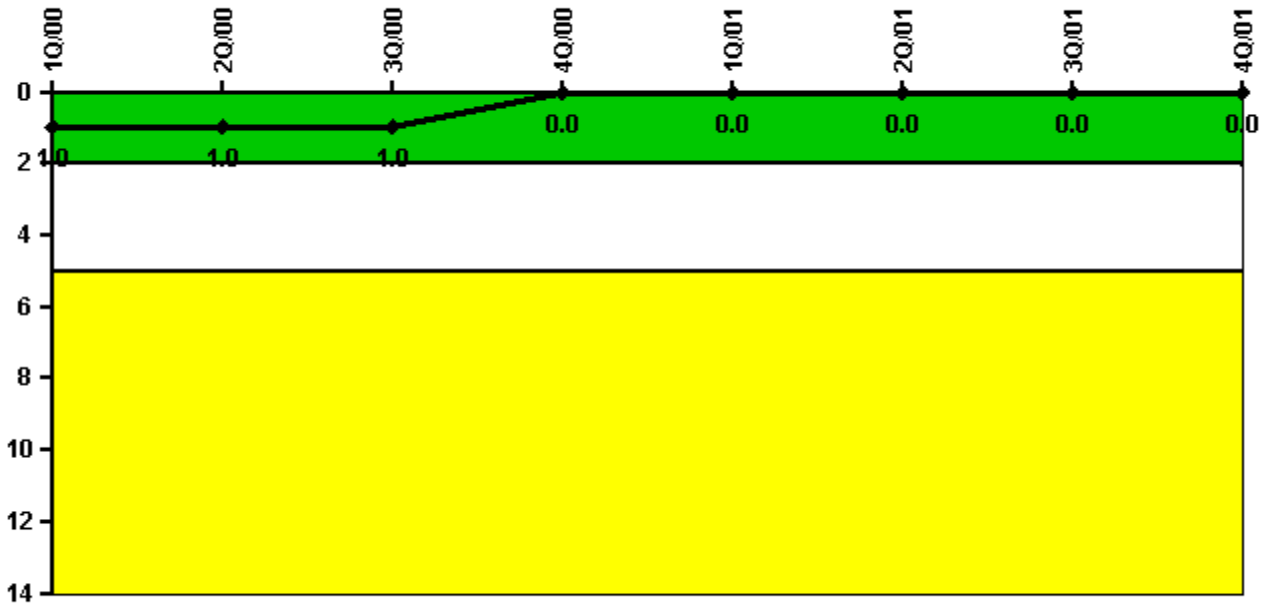
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	42	48	42	45	42	45	41	45
Total sirens-tests	42	48	42	45	42	45	42	45
Indicator value	98.3%	98.9%	98.9%	100.0%	100.0%	100.0%	99.4%	99.4%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



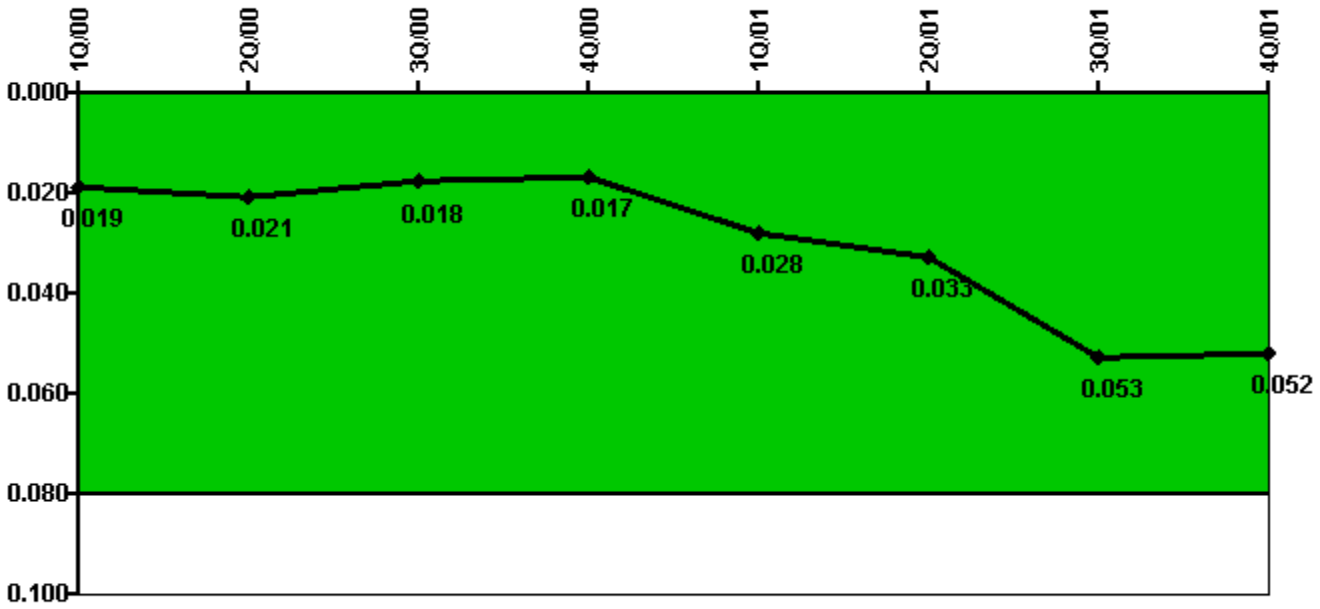
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

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

Licensee Comments: none

### Protected Area Security Performance Index



Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	6.30	231.40	119.10	88.37	172.90	70.80	71.96	44.90
CCTV compensatory hours	17.0	0	20.7	9.3	136.8	216.4	475.5	20.5
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<b>Index Value</b>	<b>0.019</b>	<b>0.021</b>	<b>0.018</b>	<b>0.017</b>	<b>0.028</b>	<b>0.033</b>	<b>0.053</b>	<b>0.052</b>

Licensee Comments: none



### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

### Notes

FFD/Personnel Reliability	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 15, 2002