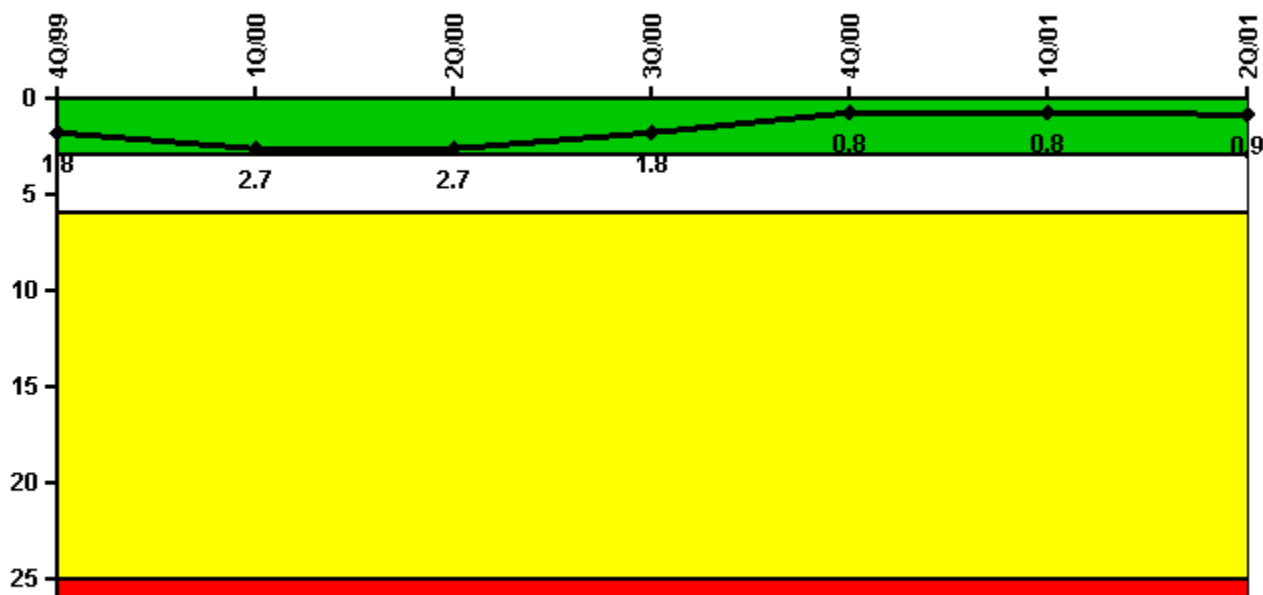


### Callaway

#### 2Q/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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	1.0	1.0	0	0	0	1.0	0
Critical hours	1375.0	2162.0	2183.0	2208.0	2209.0	2113.0	1139.0
<b>Indicator value</b>	<b>1.8</b>	<b>2.7</b>	<b>2.7</b>	<b>1.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

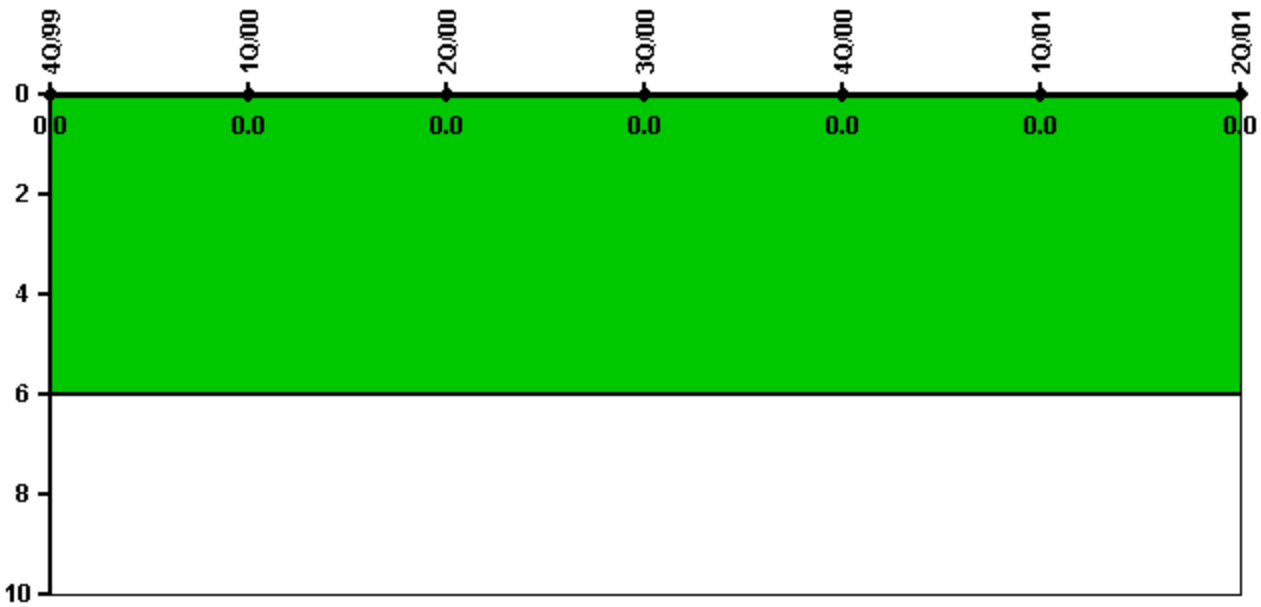
#### Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	1.0	0	0	0	0	0
Indicator value	1.0	2.0	2.0	2.0	2.0	2.0	2.0

#### Licensee Comments:

3Q/99: LER 99-003 is now being counted in this PI. This is based on review of FAQ 220 and discussions from the recent NEI PI Workshop on the application of the definitions for this indicator. The PI data will be affected from this point forward for 12 quarters. The indicator will remain in the licensee response band with this change.

### Unplanned Power Changes per 7000 Critical Hrs



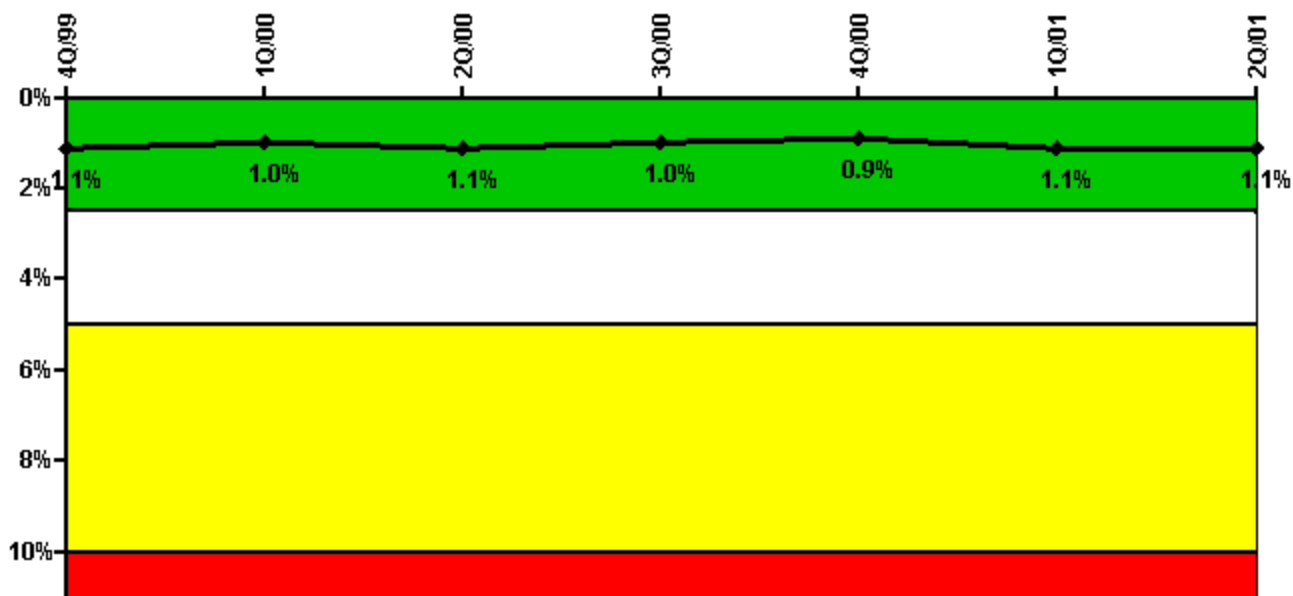
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	0	0	0	0	0
Critical hours	1375.0	2162.0	2183.0	2208.0	2209.0	2113.0	1139.0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



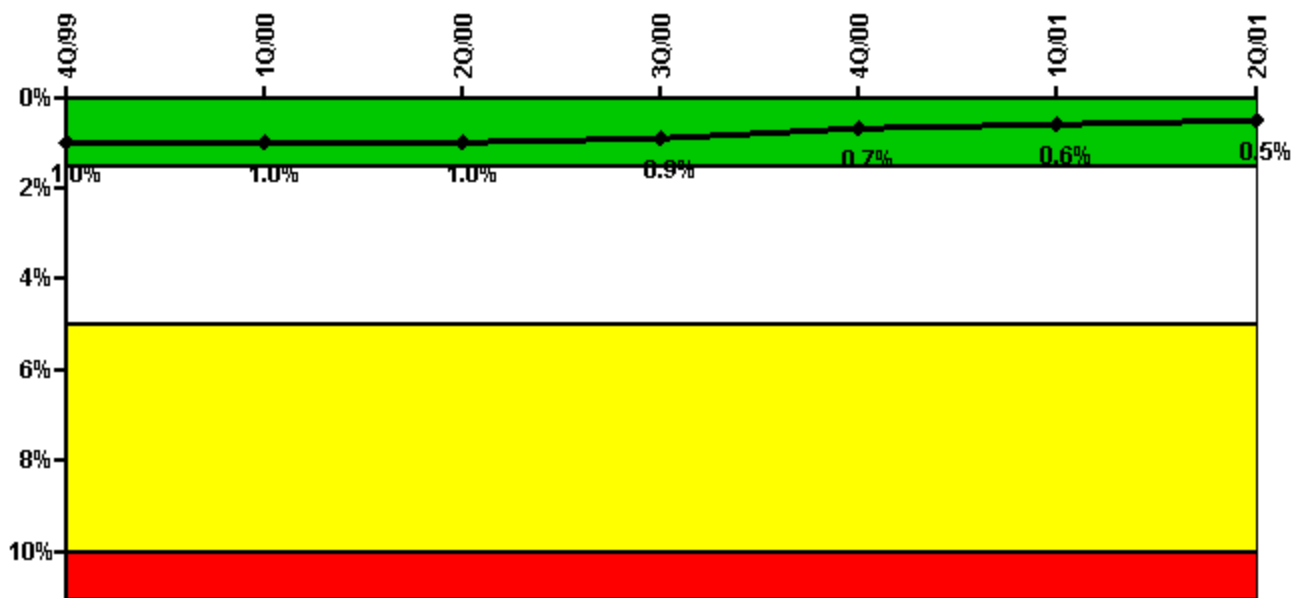
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	23.90	5.90	45.90	3.60	7.00	14.30	3.30
Unplanned unavailable hours	3.30	0	0	20.80	11.30	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2208.00	2160.00	1757.60
<b>Train 2</b>							
Planned unavailable hours	31.70	45.50	3.40	1.80	28.70	1.50	0.60
Unplanned unavailable hours	0	4.10	0	0	21.20	0	0
Fault exposure hours	0	0	0	0	0	132.30	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2208.00	2160.00	1757.60
<b>Indicator value</b>	<b>1.1%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.0%</b>	<b>0.9%</b>	<b>1.1%</b>	<b>1.1%</b>

Licensee Comments: none

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

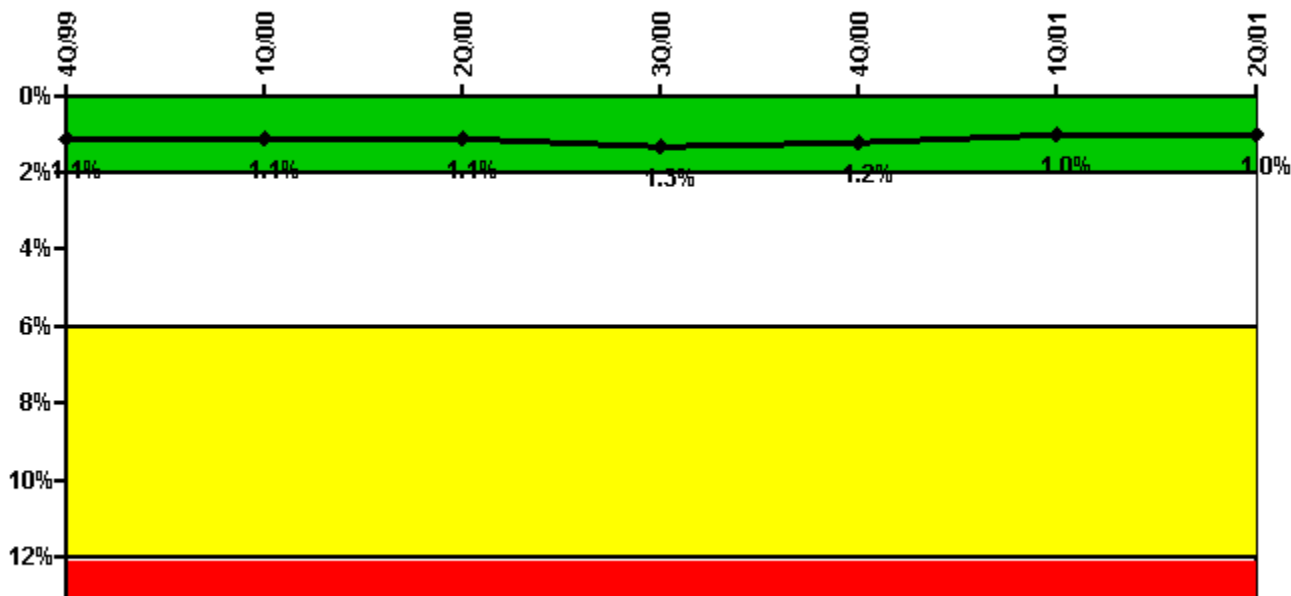


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0	6.00	46.40	39.90	7.30	2.70	3.30
Unplanned unavailable hours	0	0	0	0	9.70	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00	1672.30
<b>Train 2</b>							
Planned unavailable hours	0.10	64.20	6.20	4.00	7.90	19.10	3.60
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00	1672.30
<b>Train 3</b>							
Planned unavailable hours	22.30	6.30	46.20	4.50	26.40	3.60	2.20
Unplanned unavailable hours	0	0	1.40	0	9.70	0.60	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00	1280.00
<b>Train 4</b>							
Planned unavailable hours	0	48.10	5.00	3.40	15.80	3.50	3.20
Unplanned unavailable hours	0	10.30	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00	1280.00
<b>Indicator value</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>0.9%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.5%</b>

### Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

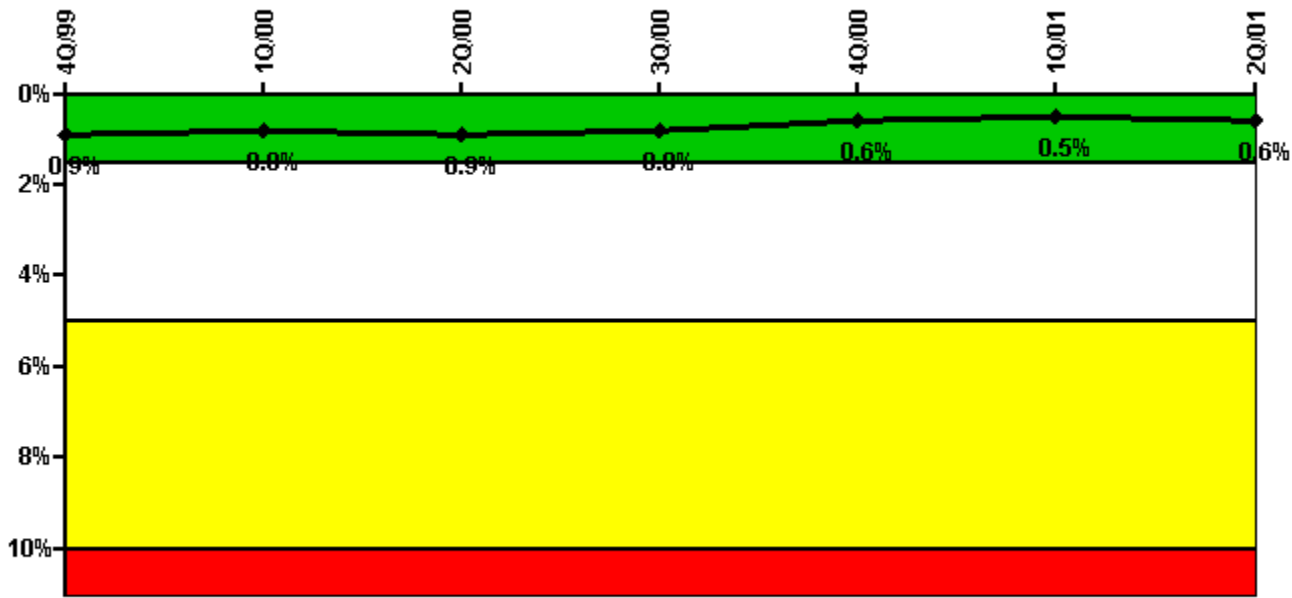
#### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0	1.80	42.80	30.40	7.60	12.30	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	231.30	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00	1276.20
<b>Train 2</b>							
Planned unavailable hours	59.60	4.20	6.30	5.10	42.50	3.30	0
Unplanned unavailable hours	0	4.90	0.60	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00	1276.20
<b>Train 3</b>							
Planned unavailable hours	0	26.90	4.80	6.30	16.30	28.10	7.50
Unplanned unavailable hours	0	0	0	0.60	0	0.50	4.50
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	1471.00	2184.00	2183.00	2208.00	2208.00	2160.00	1276.20
<b>Indicator value</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.3%</b>	<b>1.2%</b>	<b>1.0%</b>	<b>1.0%</b>

Licensee Comments:

1Q/01: 0.5 hours added to Train 3 unavailability due to Maintenance rule expert panel review of a steam trap OOS resulting in unavailability of the TDAFP. The data correction does not result in a threshold change for the indicator.

### Safety System Unavailability, Residual Heat Removal System



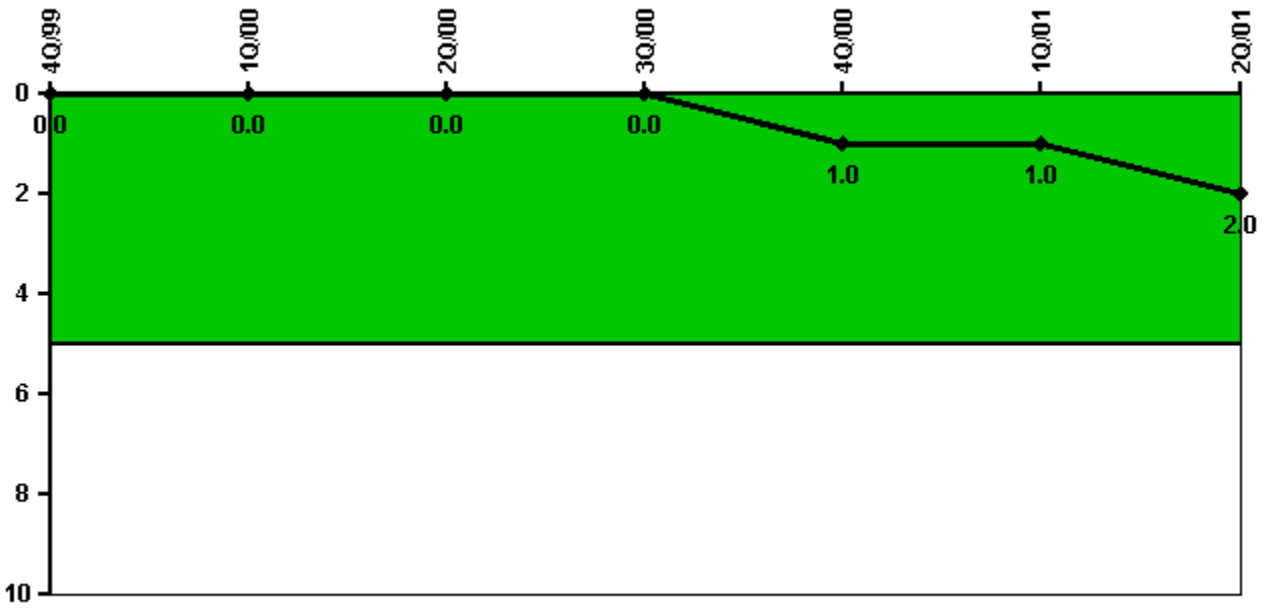
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
<b>Train 1</b>							
Planned unavailable hours	0	4.00	69.00	6.80	8.20	1.80	25.40
Unplanned unavailable hours	0	0	0	0.30	9.70	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2055.00	2184.00	2183.00	2208.00	2208.00	2160.00	1815.90
<b>Train 2</b>							
Planned unavailable hours	0	21.10	6.40	4.10	5.40	11.70	1.70
Unplanned unavailable hours	0	0	0	32.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2055.00	2184.00	2183.00	2208.00	2208.00	2160.00	1815.90
<b>Indicator value</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.6%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

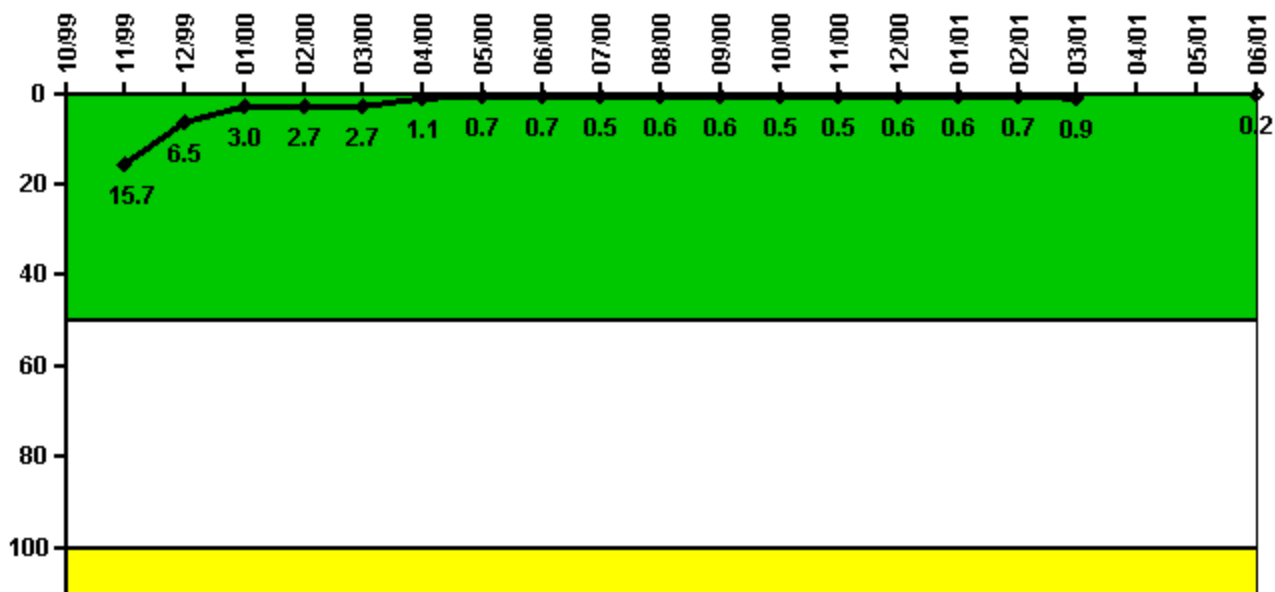
Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Safety System Functional Failures	0	0	0	0	1	0	1
Indicator value	0	0	0	0	1	1	2

Licensee Comments:

2Q/01: LER 2001-002-00



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

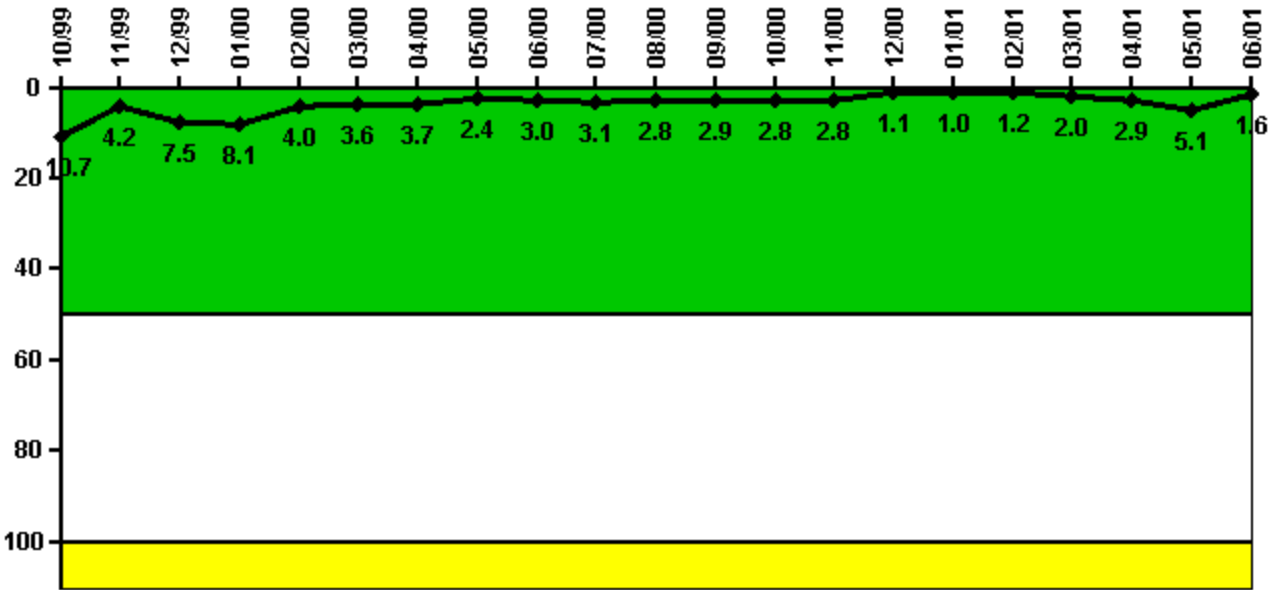
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	N/A	0.157000	0.064500	0.030000	0.027000	0.027000	0.011000	0.007000	0.007000	0.004780	0.005500	0.005850
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	N/A	15.7	6.5	3.0	2.7	2.7	1.1	0.7	0.7	0.5	0.6	0.6

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.005150	0.005420	0.005660	0.005740	0.007000	0.009070	N/A	N/A	0.001510
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.5	0.5	0.6	0.6	0.7	0.9	N/A	N/A	0.2

Licensee Comments:

6/01: No data meeting reporting criteria in April and May due to Refuel 11.

### 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	1.071	0.416	0.750	0.810	0.400	0.360	0.369	0.244	0.295	0.309	0.283	0.293
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	10.7	4.2	7.5	8.1	4.0	3.6	3.7	2.4	3.0	3.1	2.8	2.9

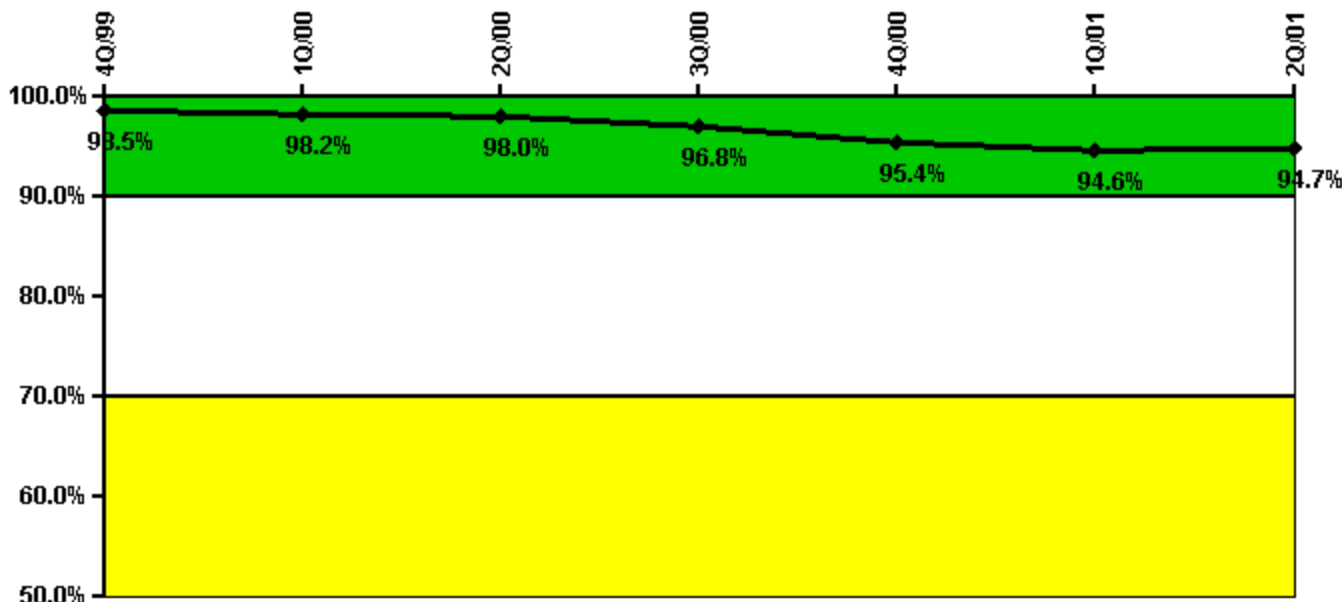
Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.281	0.280	0.110	0.100	0.120	0.199	0.294	0.506	0.160
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.8	2.8	1.1	1.0	1.2	2.0	2.9	5.1	1.6

Licensee Comments:

6/01: Data corrected for April. Two surveillances were run the first week of April prior to Refuel 11, but were missed in previous report. Data correction does not result in a threshold change to the indicator.

6/01: Data corrected for April. Two surveillances were run the first week of April prior to Refuel 11, but were missed in previous report. Data correction does not result in a threshold change to the indicator.

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

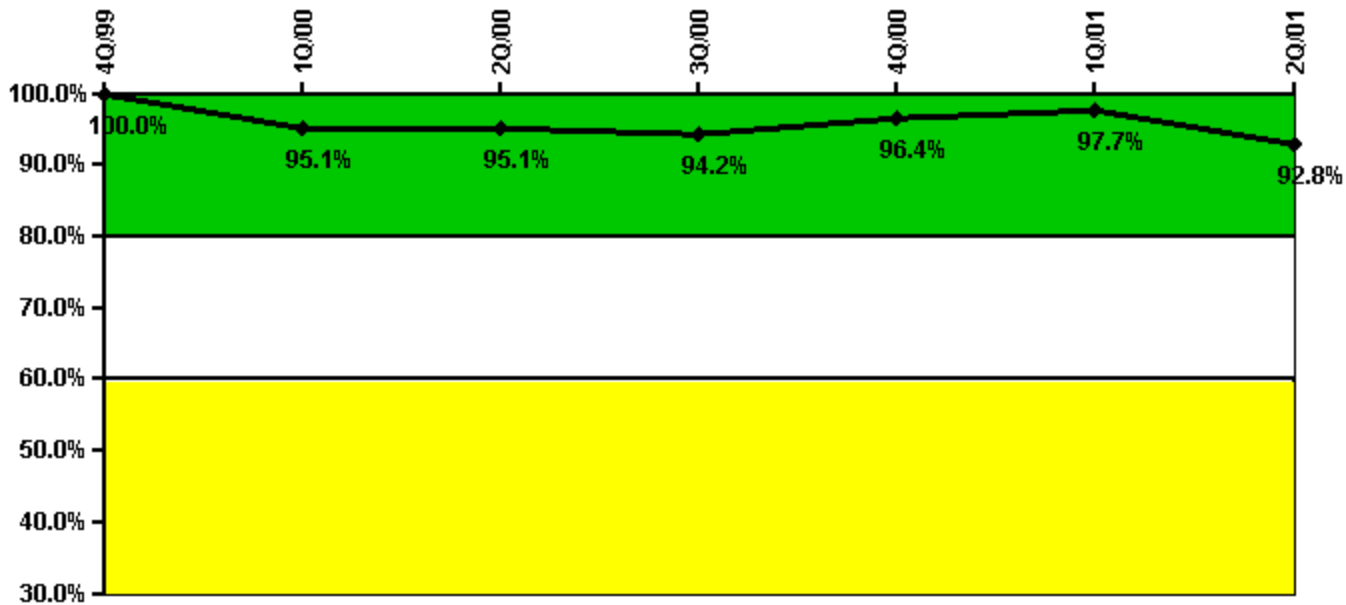
#### Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	26.0	25.0	23.0	20.0	35.0	50.0	0
Total opportunities	27.0	26.0	24.0	22.0	36.0	52.0	0
Indicator value	98.5%	98.2%	98.0%	96.8%	95.4%	94.6%	94.7%

Licensee Comments:

1Q/01: Jan. 2001 totals revised based on an error made during review of drill critique and further reviews of January drill data. After corrections, the indicator remains in the Green band.

### 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	2Q/01
Participating Key personnel	96.0	77.0	78.0	81.0	81.0	84.0	77.0
Total Key personnel	96.0	81.0	82.0	86.0	84.0	86.0	83.0
Indicator value	100.0%	95.1%	95.1%	94.2%	96.4%	97.7%	92.8%

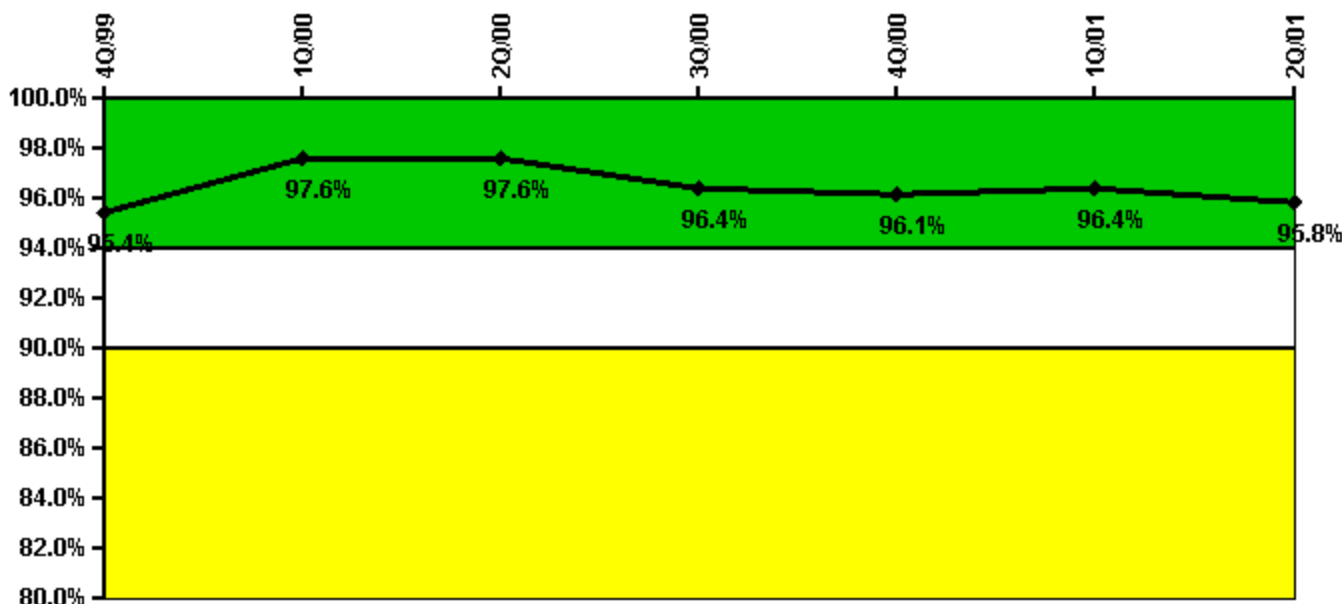
#### Licensee Comments:

1Q/01: Removed 3 SSs due them not being qualified to stand watch. Added 2 on-shift Dose Assessment Technicians and 1 Dose Assessment Coordinator. These do not result in a threshold change to the indicator.

4Q/00: One drill during quarter removed from PI due to prior knowledge of the scenario by one key member. Therefore, this person's participation could not be counted. After revision, the indicator remains in the green band and will not cross a threshold.

1Q/00: Removed 2 SSs due to becoming inactive in 1st Qtr. Also a math error was discovered adding 1 to total. These changes effect data in all quarters moving forward and do not result in a color change to the indicator.

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

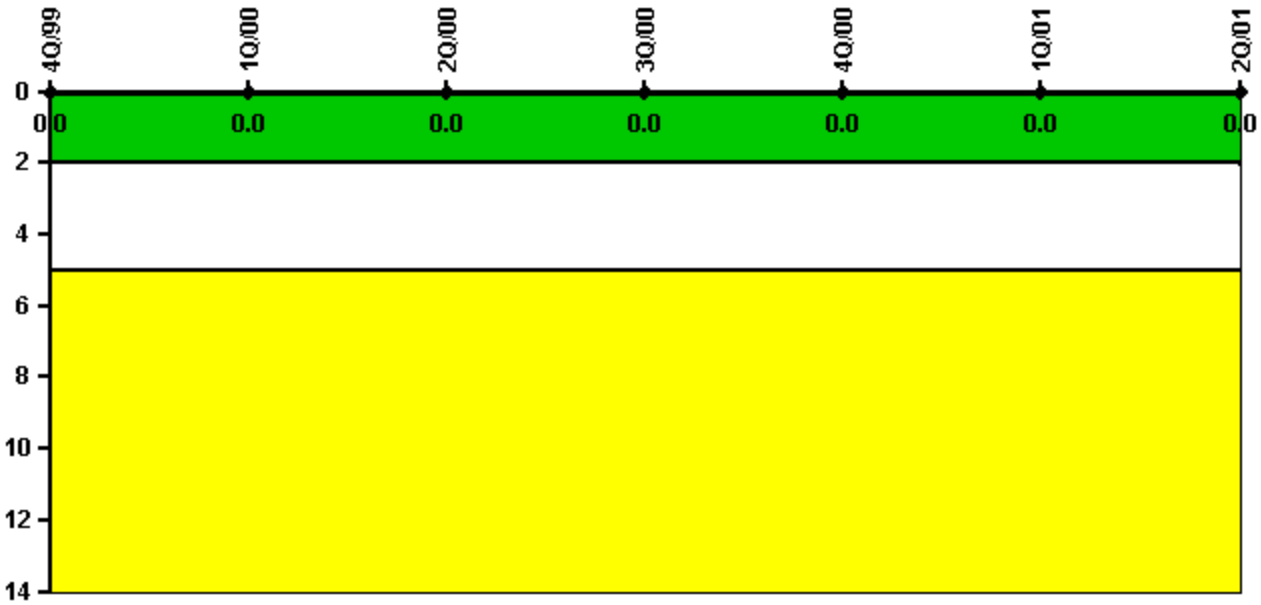
#### Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	83	79	83	79	82	80	81
Total sirens-tests	84	84	84	84	84	84	84
Indicator value	95.4%	97.6%	97.6%	96.4%	96.1%	96.4%	95.8%

Licensee Comments:

1Q/01: Corrected 1Q2001 data after review of documentation guidelines during October 2001 inspection. After correction, the indicator remains in the Green band.

### Occupational Exposure Control Effectiveness



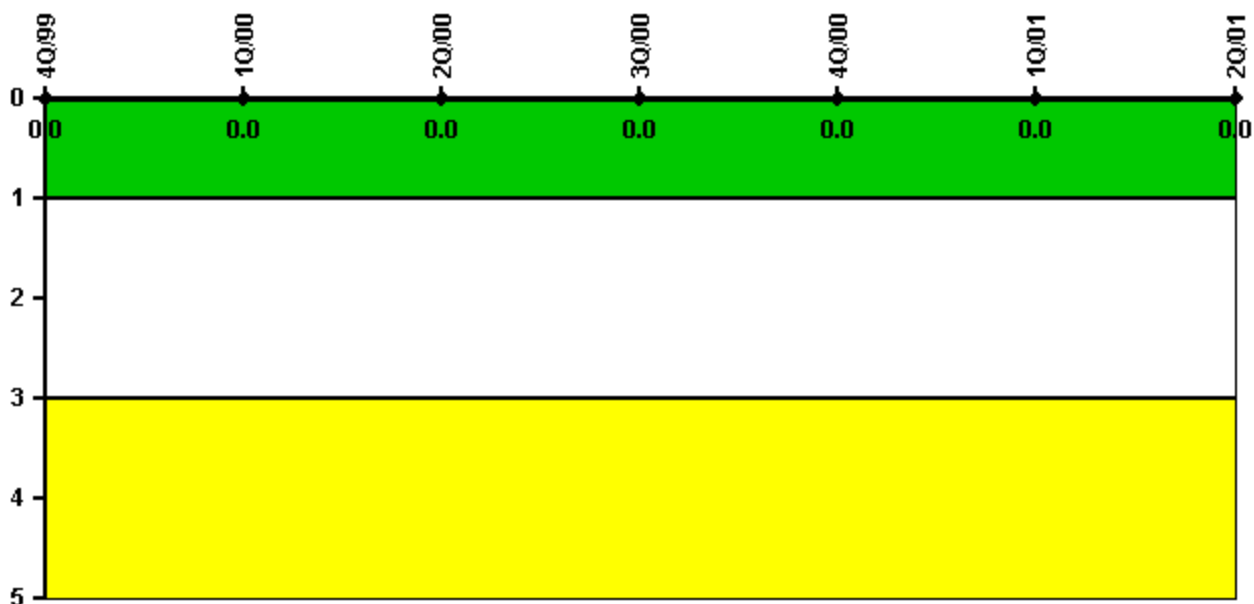
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
High radiation area occurrences	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0
Unintended exposure occurrences	0	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>	<b>0</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



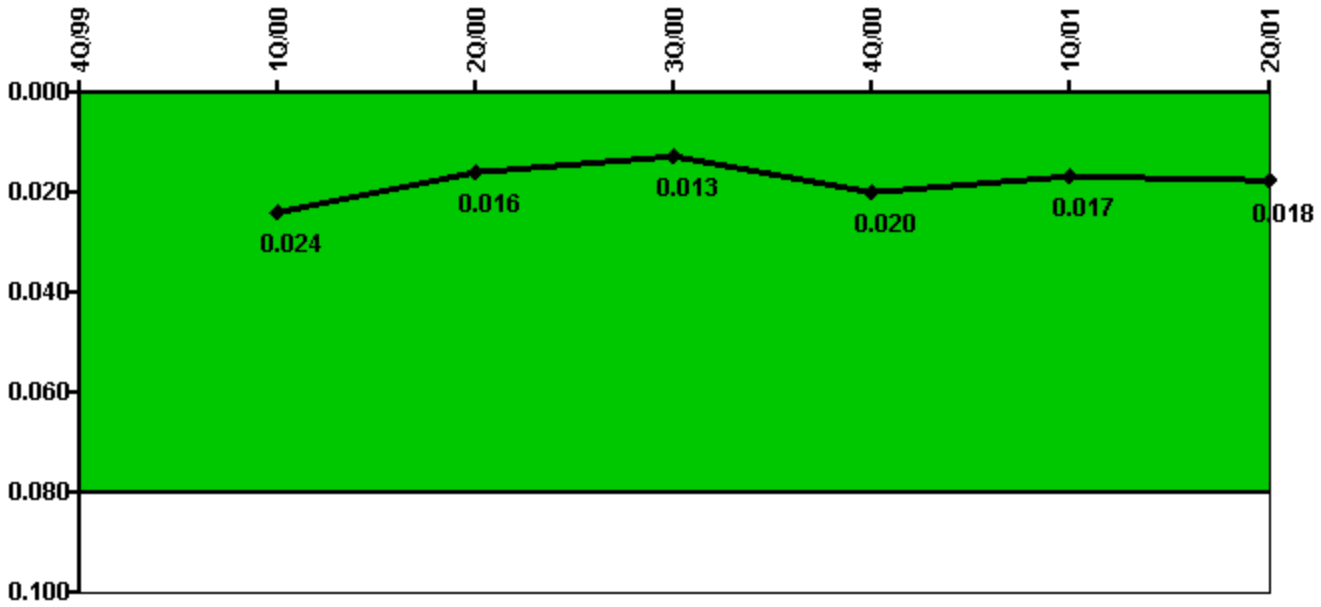
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

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

Licensee Comments: none

### Protected Area Security Performance Index



Thresholds: White > 0.080

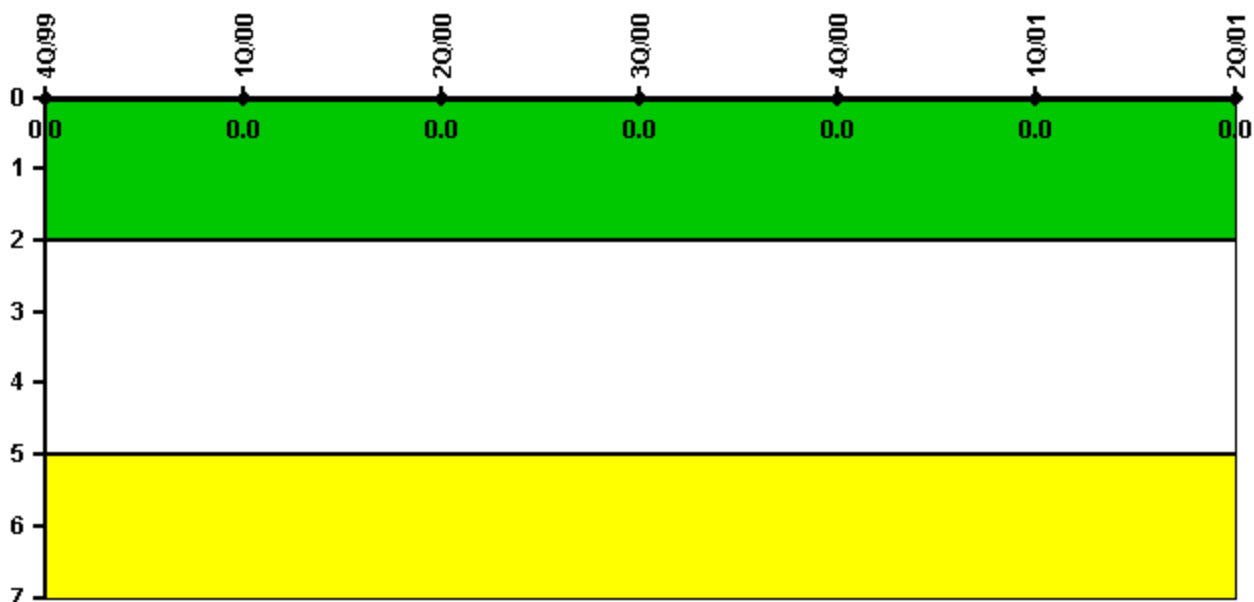
#### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	21.90	93.70	46.60	60.20	216.10	89.50	63.90
CCTV compensatory hours	0	53.2	0	7.2	0.3	0.1	5.1
IDS normalization factor	1.40	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	1.0
<b>Index Value</b>		<b>0.024</b>	<b>0.016</b>	<b>0.013</b>	<b>0.020</b>	<b>0.017</b>	<b>0.018</b>

Licensee Comments: none



### Personnel Screening Program



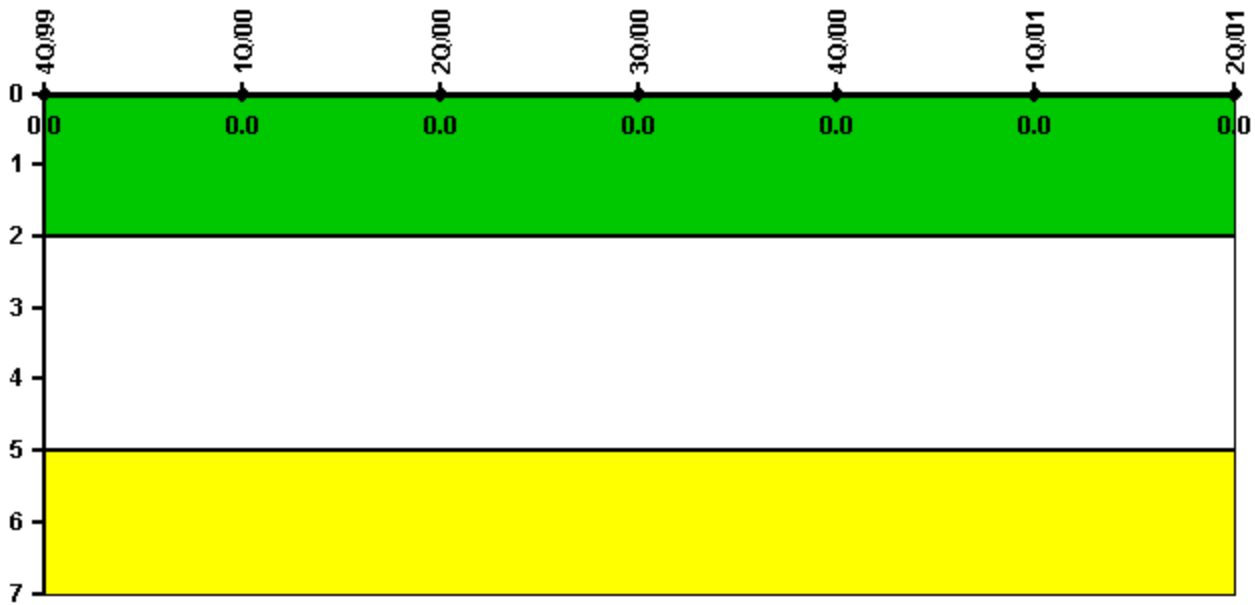
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program failures	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	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	2Q/01
Program Failures	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 27, 2002