

Oconee 1

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	0	0	0	1.0	0
Critical hours	1802.5	2184.0	2208.0	1275.4	1871.0	2183.0	2143.4	2209.0
Indicator value	2.0	1.7	0	0	0	0	0.9	0.8

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



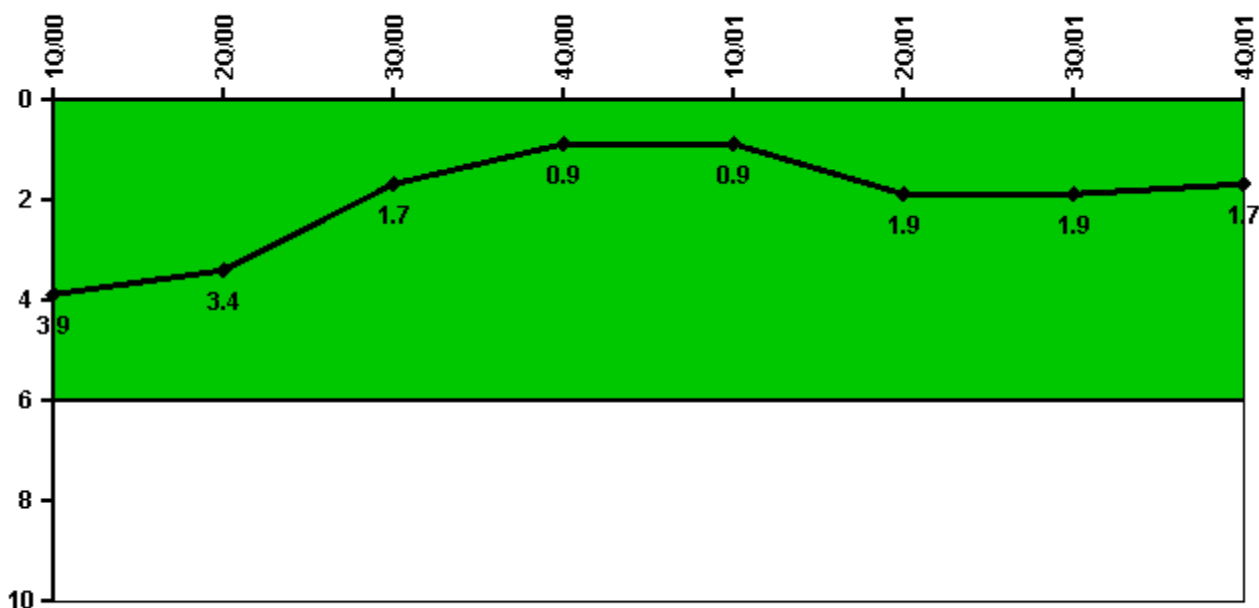
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

### 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	1.0	0
Indicator value	0	0	0	0	0	0	1.0	1.0

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	1.0	0	0	0	1.0	1.0	0	0
Critical hours	1802.5	2184.0	2208.0	1275.4	1871.0	2183.0	2153.4	2209.0
Indicator value	3.9	3.4	1.7	0.9	0.9	1.9	1.9	1.7

Licensee Comments:

3Q/01: Per NEI 99-02, rev 1, this reduction was determined to be planned in response to a expected problem.

**Safety System Unavailability, HEG**

**Thresholds  
under  
development /  
review**

**Notes**

Safety System Unavailability, HEG	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	70.21	102.25	33.23	111.97	50.77	27.98	88.19	38.17
Unplanned unavailable hours	45.46	0	0	0	0	0	50.40	0
Fault exposure hours	0	0	0	0	0	0	14.26	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1877.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	56.88	15.42	64.77	0.95	18.07	0	0	5.29
Unplanned unavailable hours	0	0	0	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	1877.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00
<b>Indicator value</b>	<b>1.8%</b>	<b>1.9%</b>	<b>1.9%</b>	<b>2.0%</b>	<b>2.1%</b>	<b>2.1%</b>	<b>2.3%</b>	<b>2.3%</b>

Licensee Comments: none

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



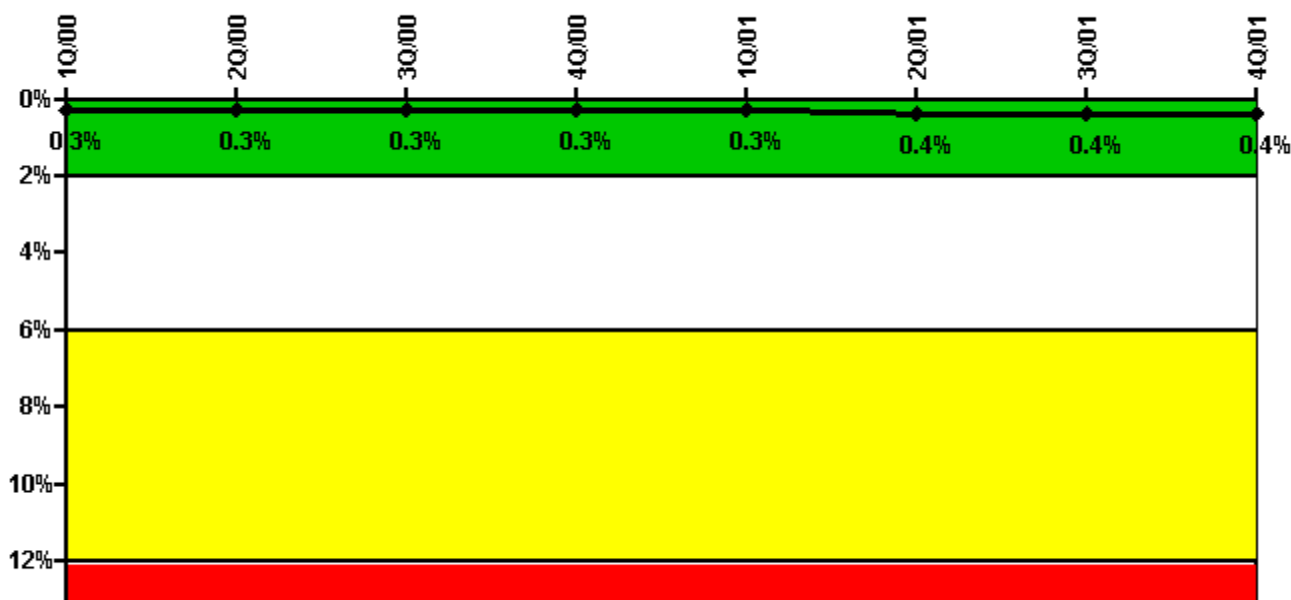
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
<b>Train 1</b>								
Planned unavailable hours	14.56	15.31	41.13	3.39	3.51	7.39	13.89	5.23
Unplanned unavailable hours	0	0	2.49	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	1850.00	2184.00	2208.00	1286.00	1932.00	2184.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	20.87	19.66	41.45	8.35	3.79	9.71	5.14	11.30
Unplanned unavailable hours	4.33	0	2.49	0	1.67	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	1850.00	2184.00	2208.00	1286.00	1932.00	2184.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>

Licensee Comments: none

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



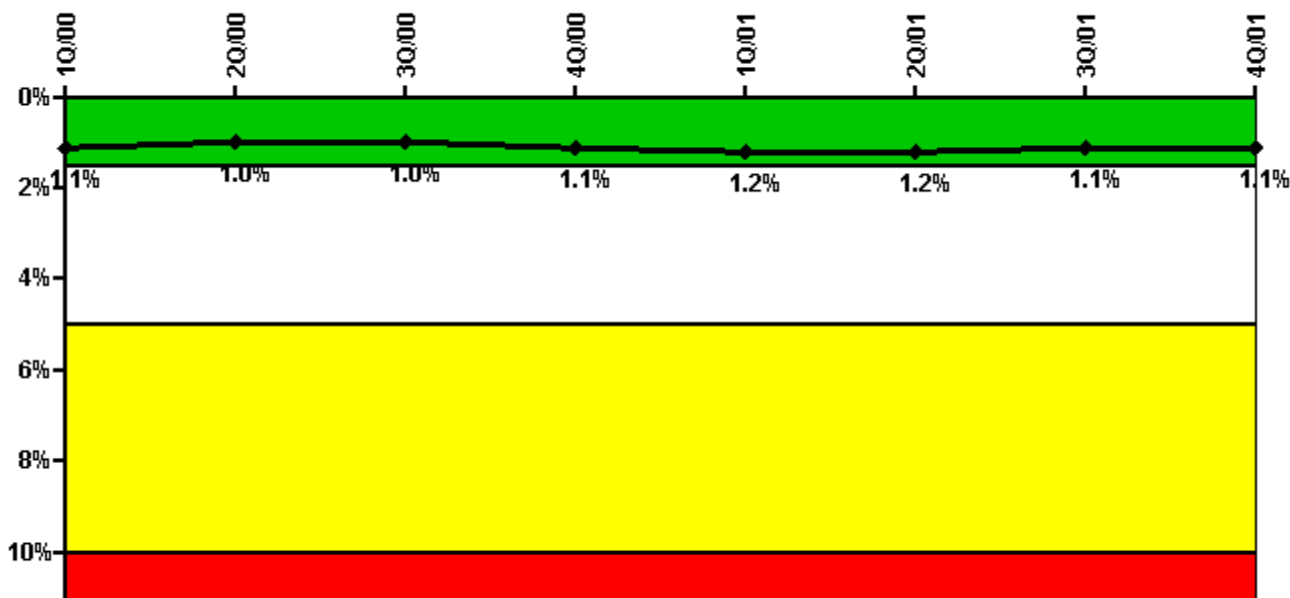
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### 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	5.80	4.90	3.30	0	7.90	1.70	13.90	2.00
Unplanned unavailable hours	0	0	2.40	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	1864.00	2184.00	2208.00	1296.00	1944.00	2184.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	10.18	6.30	7.80	0	9.40	0	2.10	1.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	49.20	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1864.00	2184.00	2208.00	1296.00	1944.00	2184.00	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	19.80	8.50	21.90	0	3.00	21.70	4.40	7.50
Unplanned unavailable hours	0	0	4.70	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	1864.00	2184.00	2208.00	1296.00	1944.00	2184.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



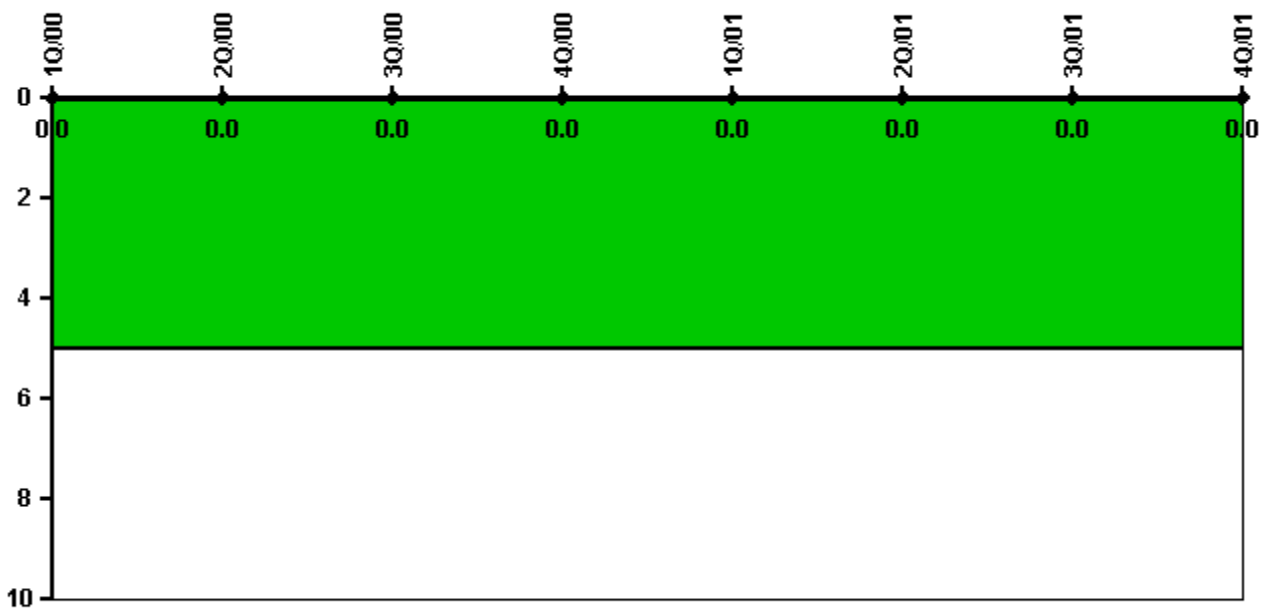
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### 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	16.19	24.52	5.20	16.20	11.50	19.20	19.20	9.90
Unplanned unavailable hours	0.18	0	0	15.00	0	0	0	0
Fault exposure hours	34.88	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>Train 2</b>								
Planned unavailable hours	17.25	19.32	4.60	18.50	12.20	10.70	13.00	9.40
Unplanned unavailable hours	4.01	0	0	15.00	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>1.1%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.1%</b>	<b>1.1%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

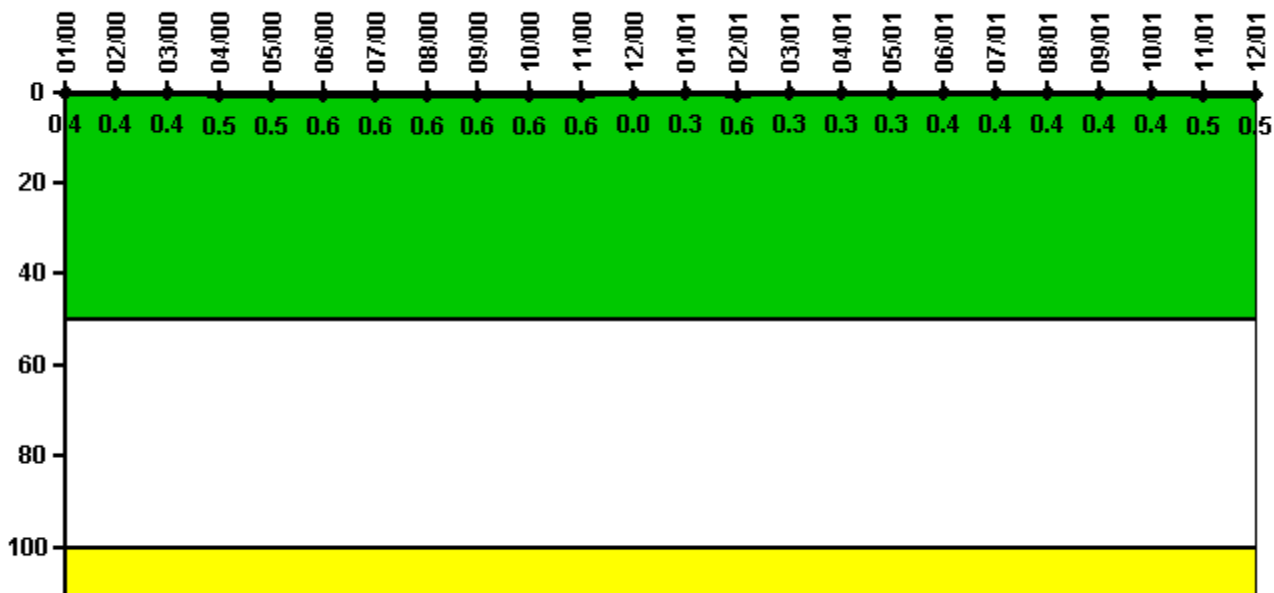
#### Notes

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

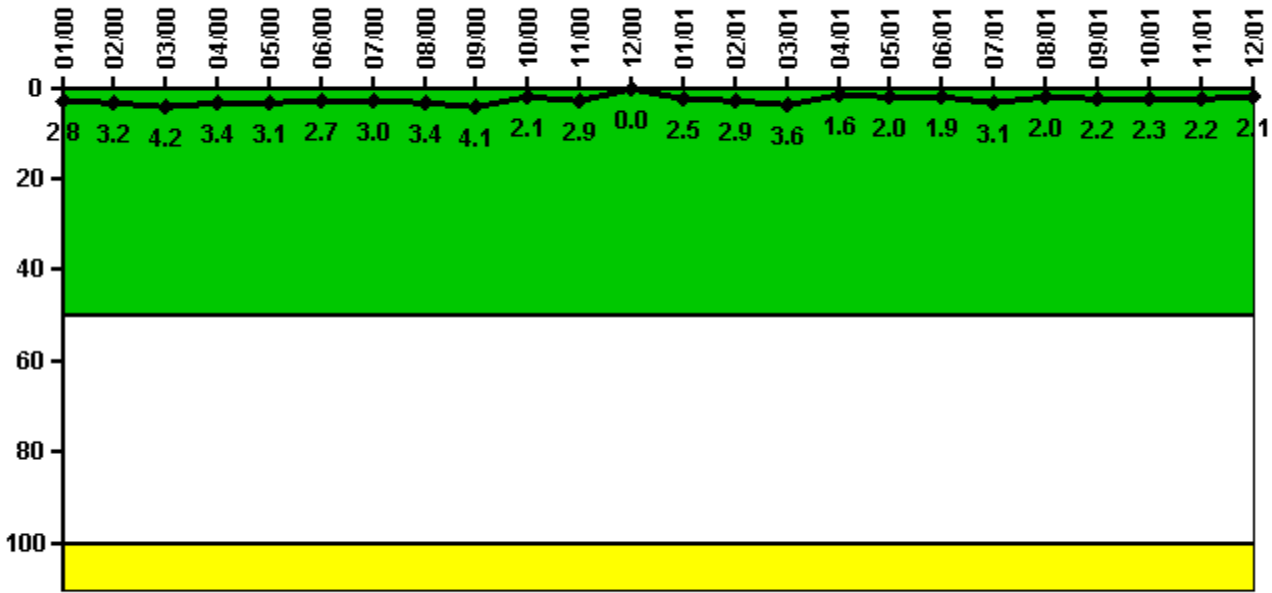
Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.004161	0.004458	0.004438	0.004574	0.005265	0.005631	0.005709	0.005660	0.006433	0.006372	0.006462	0
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0

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	0.002600	0.006100	0.002600	0.003200	0.003200	0.003600	0.003600	0.004100	0.003800	0.004400	0.004900	0.005100
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	0.3	0.6	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

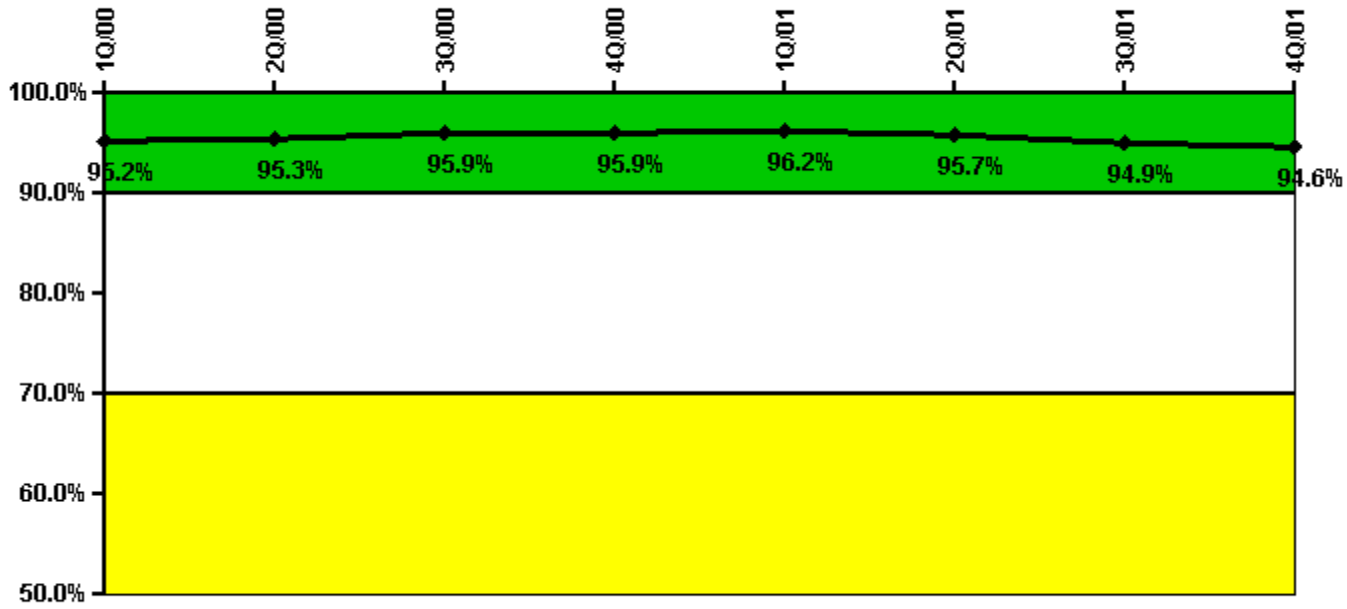
Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.280	0.320	0.420	0.340	0.310	0.270	0.300	0.340	0.410	0.210	0.290	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.8	3.2	4.2	3.4	3.1	2.7	3.0	3.4	4.1	2.1	2.9	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	0.250	0.290	0.360	0.160	0.200	0.190	0.310	0.200	0.220	0.230	0.220	0.210
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	2.5	2.9	3.6	1.6	2.0	1.9	3.1	2.0	2.2	2.3	2.2	2.1

Licensee Comments: none

### Drill/Exercise Performance



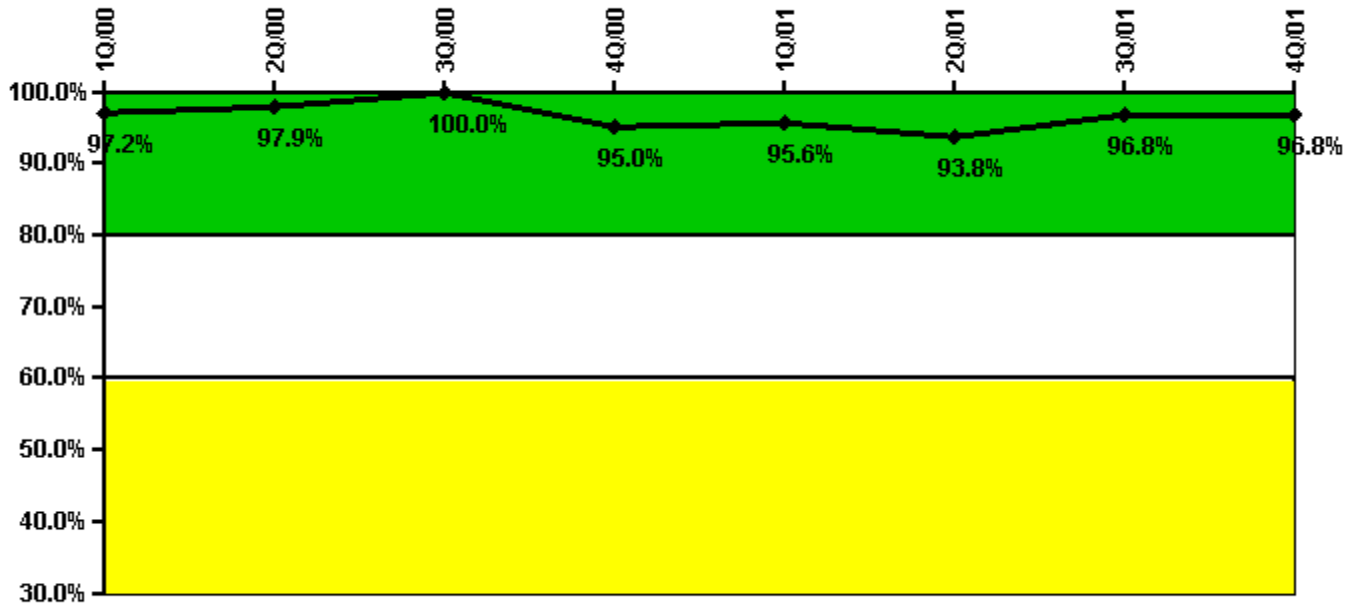
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	19.0	71.0	17.0	38.0	22.0	23.0	48.0	9.0
Total opportunities	22.0	74.0	17.0	39.0	22.0	25.0	52.0	10.0
Indicator value	95.2%	95.3%	95.9%	95.9%	96.2%	95.7%	94.9%	94.6%

Licensee Comments: none

### ERO Drill Participation



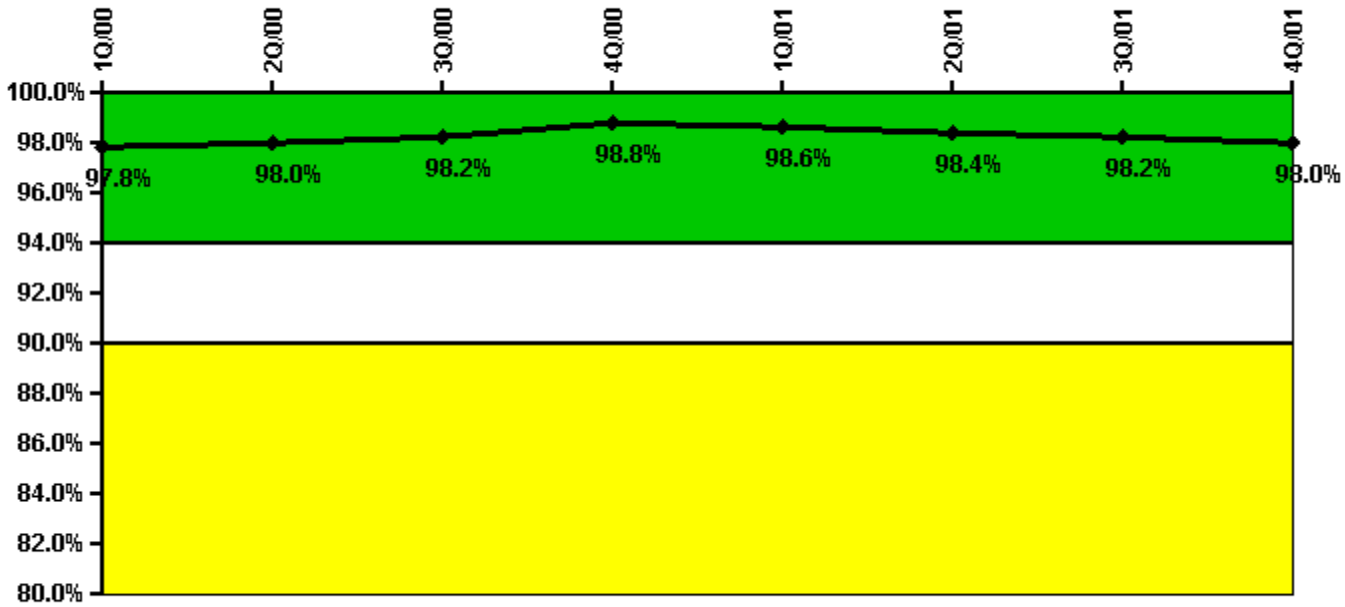
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	138.0	137.0	138.0	132.0	131.0	135.0	150.0	150.0
Total Key personnel	142.0	140.0	138.0	139.0	137.0	144.0	155.0	155.0
Indicator value	97.2%	97.9%	100.0%	95.0%	95.6%	93.8%	96.8%	96.8%

Licensee Comments: none

### Alert & Notification System



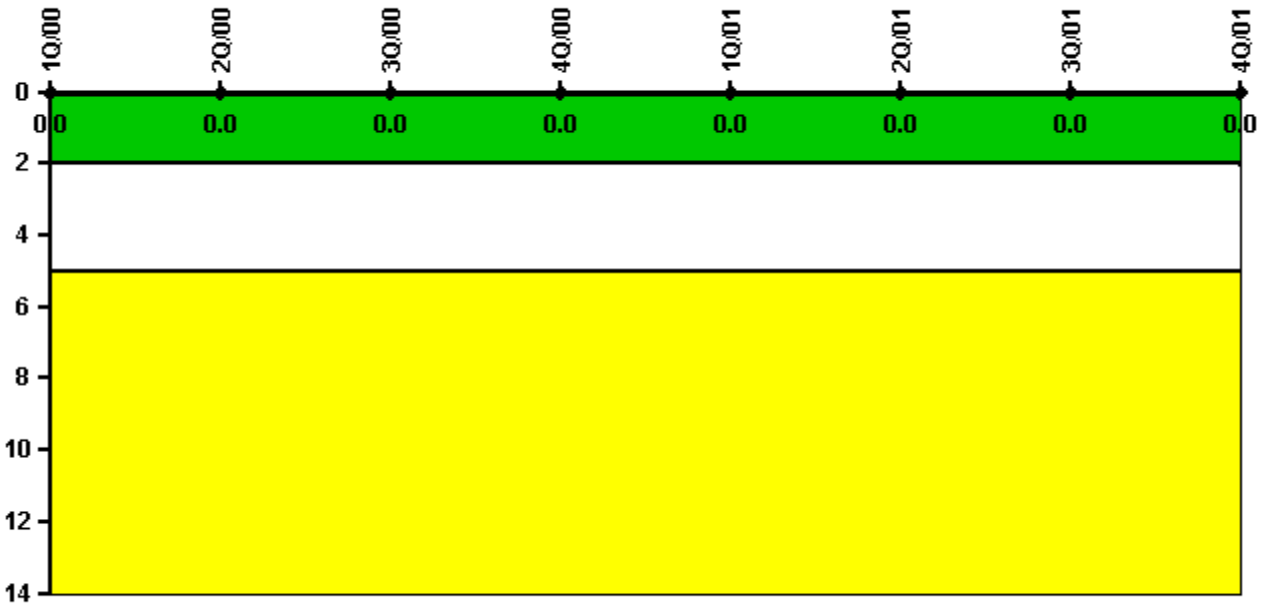
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	1256	1205	1194	1320	1304	1246	1084	1154
Total sirens-tests	1267	1225	1211	1330	1330	1275	1108	1172
Indicator value	97.8%	98.0%	98.2%	98.8%	98.6%	98.4%	98.2%	98.0%

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>0</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



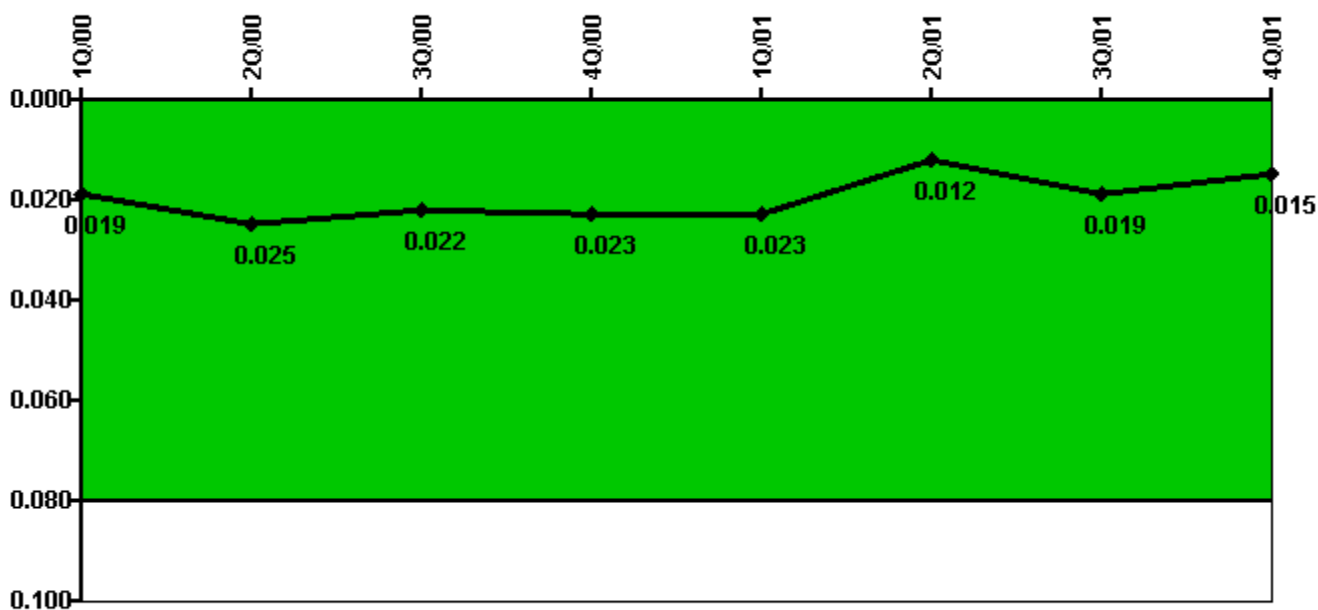
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	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	33.00	664.00	162.00	225.00	64.00	91.00	457.00	30.00
CCTV compensatory hours	0	1.0	8.0	0	1.0	14.0	11.0	0
IDS normalization factor	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Index Value</b>	<b>0.019</b>	<b>0.025</b>	<b>0.022</b>	<b>0.023</b>	<b>0.023</b>	<b>0.012</b>	<b>0.019</b>	<b>0.015</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