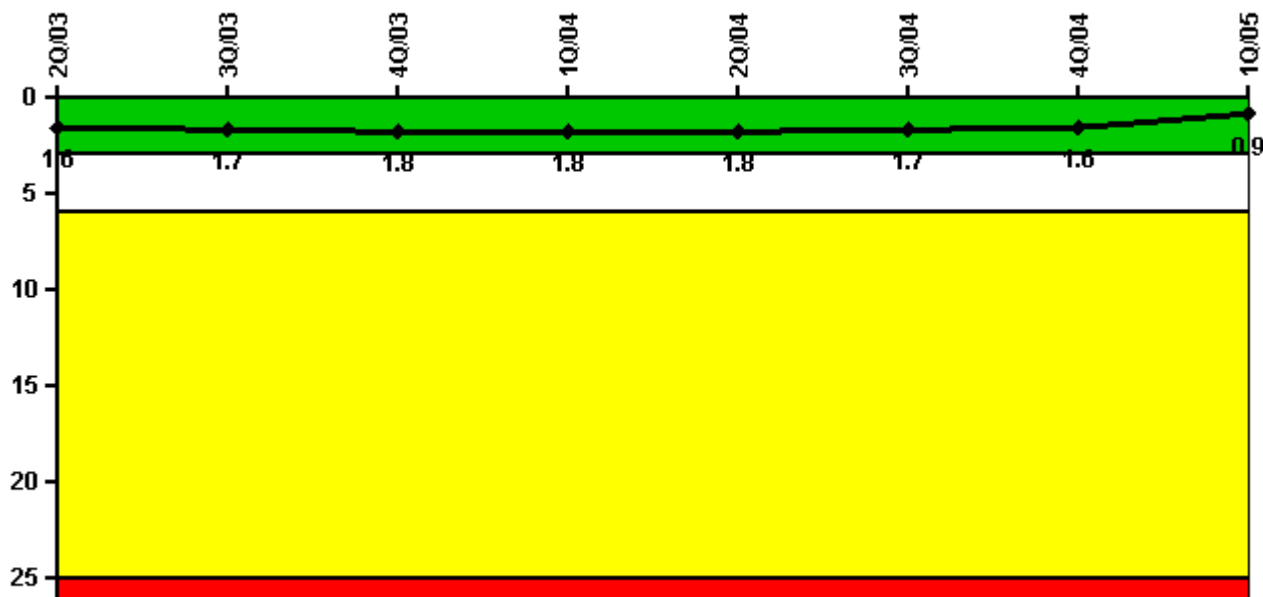


# Watts Bar 1

## 1Q/2005 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



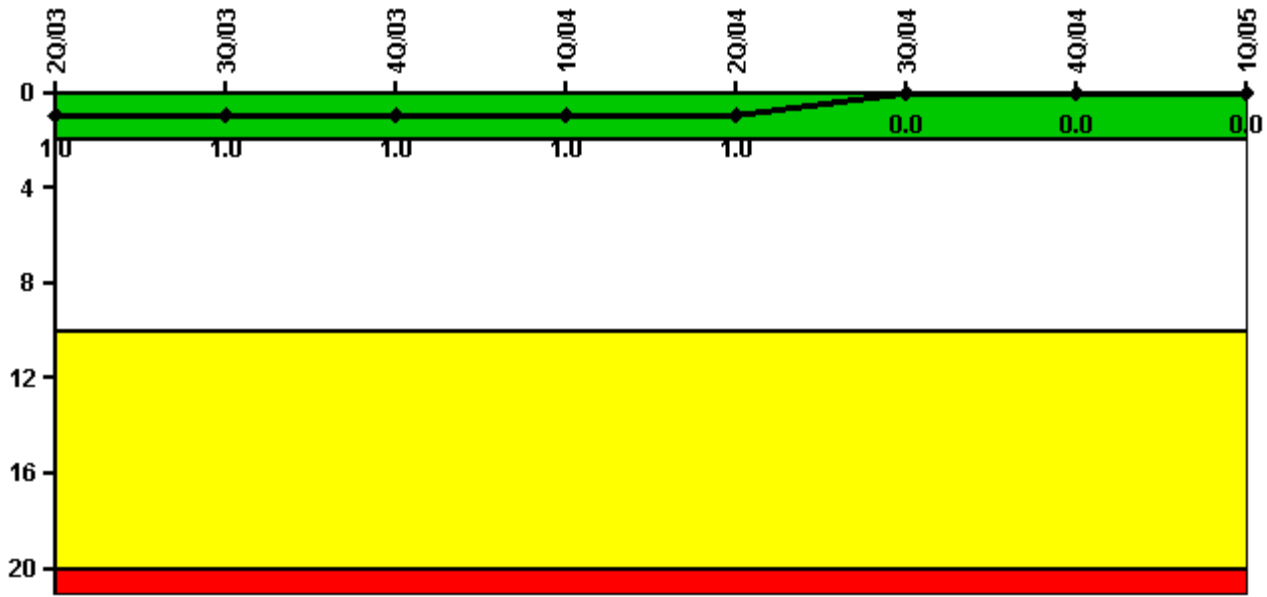
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	1.0	0	1.0	0	1.0	0	0
Critical hours	2183.0	1626.5	1752.4	2148.3	2183.0	2163.3	2209.0	1281.9
Indicator value	1.6	1.7	1.8	1.8	1.8	1.7	1.6	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



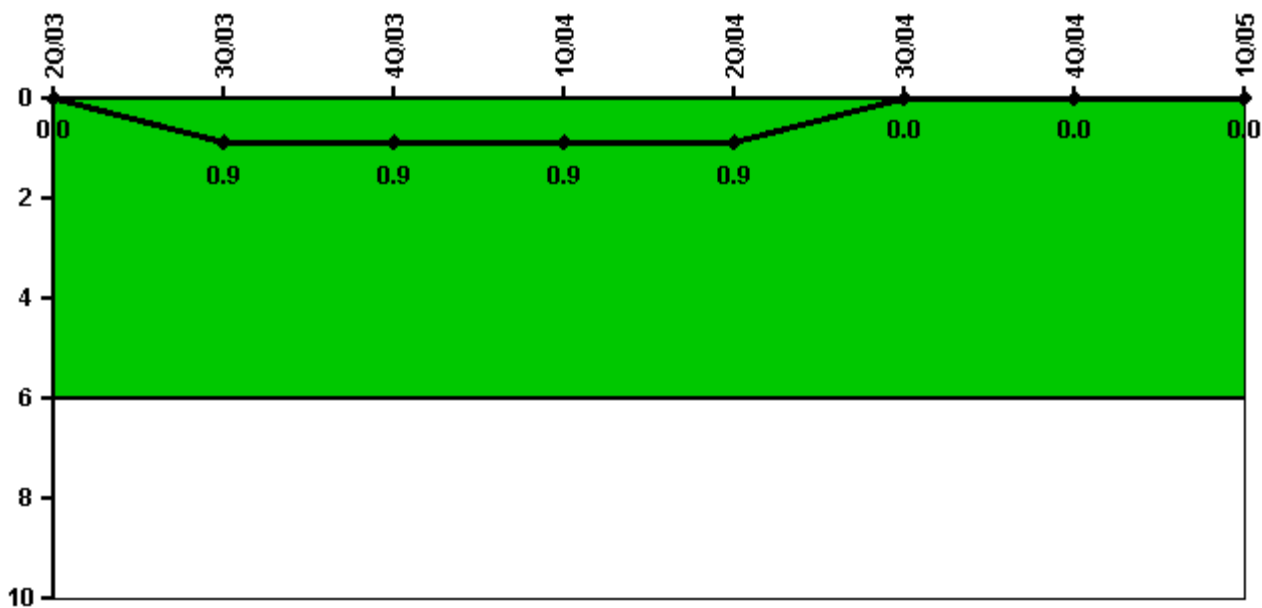
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



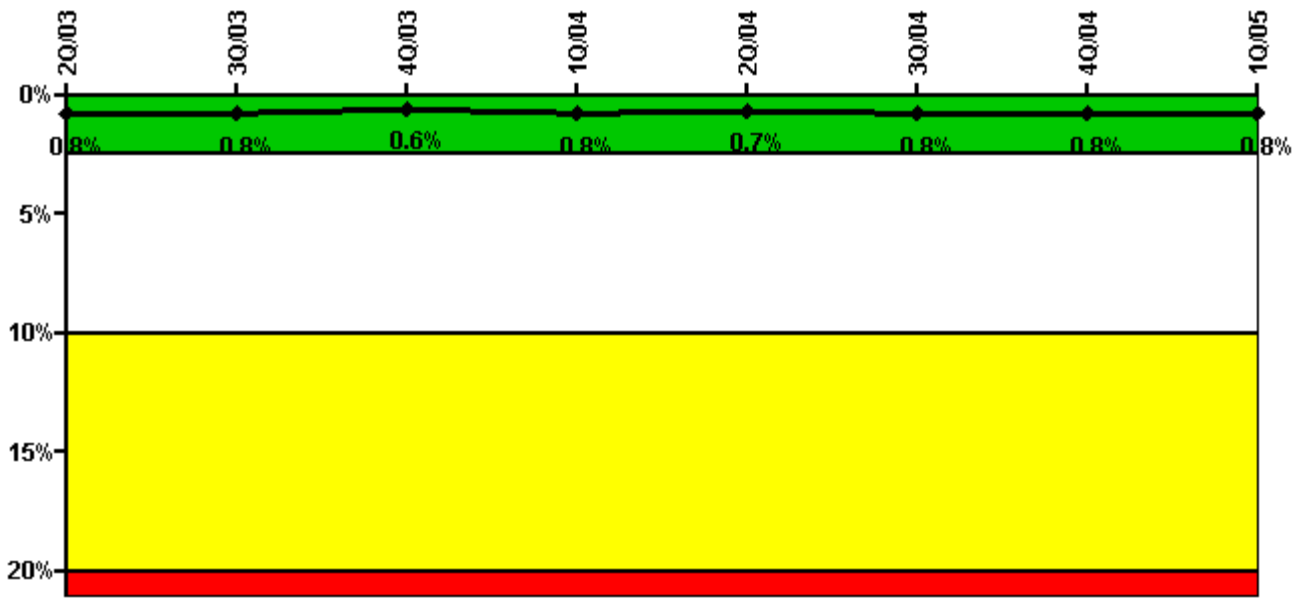
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2183.0	1626.5	1752.4	2148.3	2183.0	2163.3	2209.0	1281.9
Indicator value	0	0.9	0.9	0.9	0.9	0	0	0

Licensee Comments: none

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



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

#### Notes

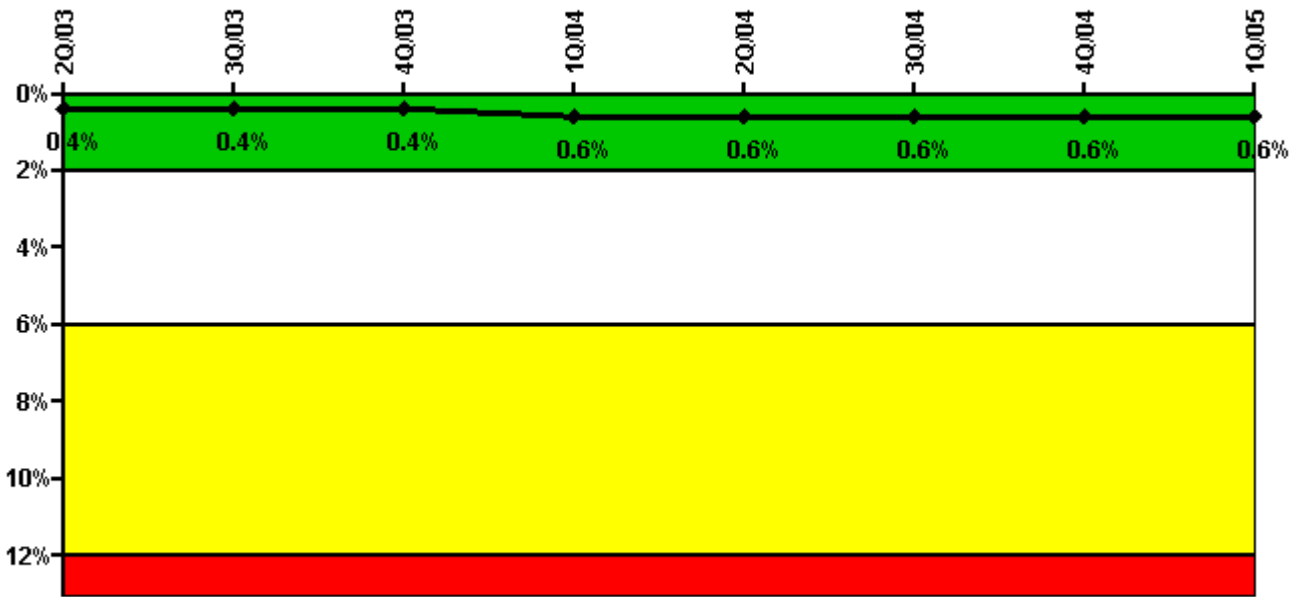
Safety System Unavailability, Emergency AC Power, >2EDG	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	27.43	7.38	0.99	47.98	3.42	25.94	4.15	1.75
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	6.05
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2143.25	1987.25	2184.00	2183.00	2208.00	2209.00	1785.63
<b>Train 2</b>								
Planned unavailable hours	1.60	5.87	11.20	146.23	2.31	37.68	8.22	0.82
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	2183.00	1740.92	2176.87	2184.00	2183.00	2208.00	2209.00	1800.08
<b>Train 3</b>								
Planned unavailable hours	2.20	1.90	1.11	32.32	3.39	30.57	20.75	1.17
Unplanned unavailable hours	0	12.10	0.58	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	2183.00	2143.25	1987.25	2184.00	2183.00	2208.00	2209.00	1785.63
<b>Train 4</b>								
Planned unavailable hours	0.68	0.97	0.65	30.73	1.12	20.58	0.60	0.72
Unplanned unavailable hours	0	0	0	0	26.88	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	2183.00	1740.92	2176.87	2184.00	2183.00	2208.00	2209.00	1800.08
<b>Indicator value</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.6%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>



Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1666.30	1806.20	2184.00	2183.00	2208.00	2209.00	1379.48
<b>Indicator value</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</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%**

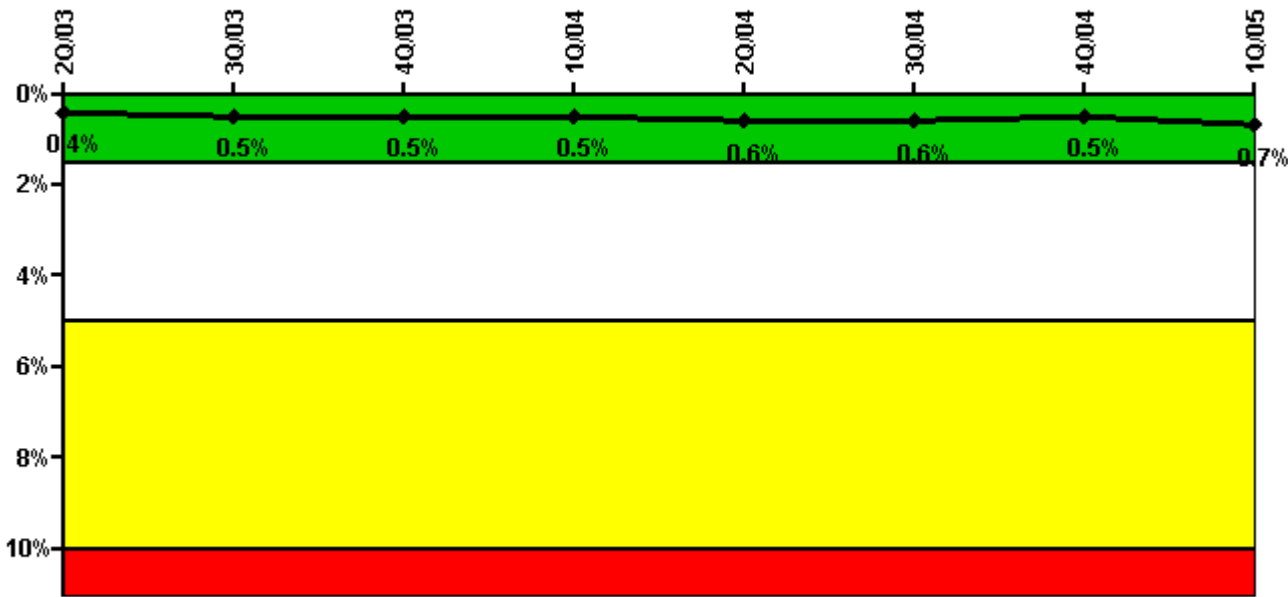
### Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	31.59	2.08	3.45	4.10	6.78	3.55	18.23	2.93
Unplanned unavailable hours	0	0	0	30.18	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	2183.00	1674.40	1825.20	2184.00	2183.00	2208.00	2209.00	1404.10
<b>Train 2</b>								
Planned unavailable hours	5.76	2.55	9.65	11.92	3.07	6.18	6.23	0
Unplanned unavailable hours	0	0	0	0	0	0	0.17	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	2183.00	1674.40	1825.20	2184.00	2183.00	2208.00	2209.00	1404.10
<b>Train 3</b>								
Planned unavailable hours	28.17	0.83	11.32	1.58	6.48	20.72	8.30	3.85
Unplanned unavailable hours	0	0	13.58	46.56	0	0	0	0

Fault exposure hours	0	0	15.17	55.62	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1666.30	1806.20	2184.00	2183.00	2208.00	2209.00	1379.50
<b>Indicator value</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



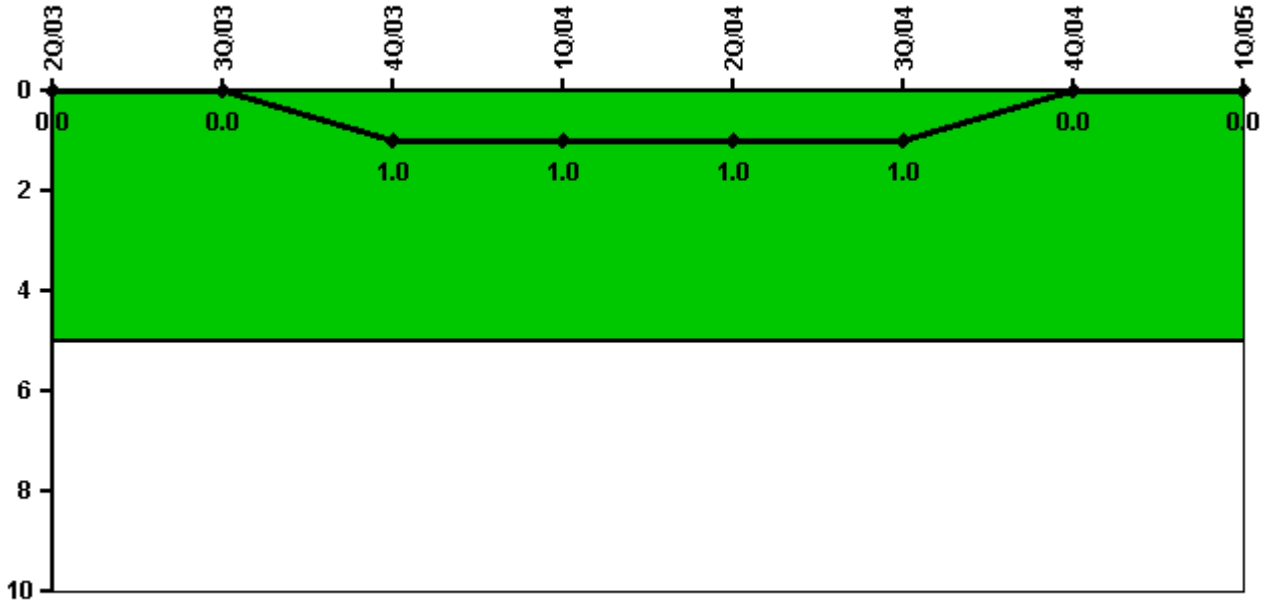
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
<b>Train 1</b>								
Planned unavailable hours	7.32	14.48	4.90	7.65	29.16	14.91	8.76	70.03
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	2183.00	1926.30	2208.00	2184.00	2183.00	2208.00	2209.00	1840.70
<b>Train 2</b>								
Planned unavailable hours	21.00	5.97	4.60	7.90	7.06	32.93	8.31	4.93
Unplanned unavailable hours	0	0.22	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	2183.00	1926.30	2208.00	2184.00	2183.00	2208.00	2209.00	1876.00
<b>Indicator value</b>	<b>0.4%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>0.7%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

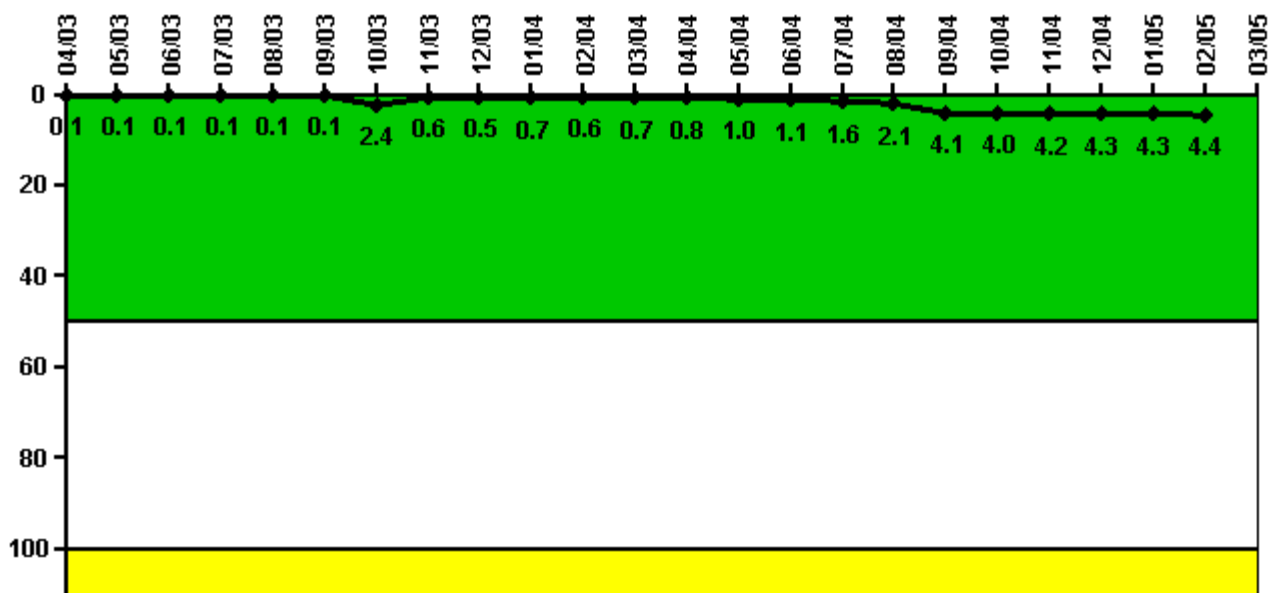
### Notes

Safety System Functional Failures (PWR)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	0	0	1	1	1	1	0	0

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.000177	0.000167	0.000170	0.000175	0.000179	0.000242	0.006284	0.001529	0.001340	0.001790	0.001710	0.001880
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	2.4	0.6	0.5	0.7	0.6	0.7

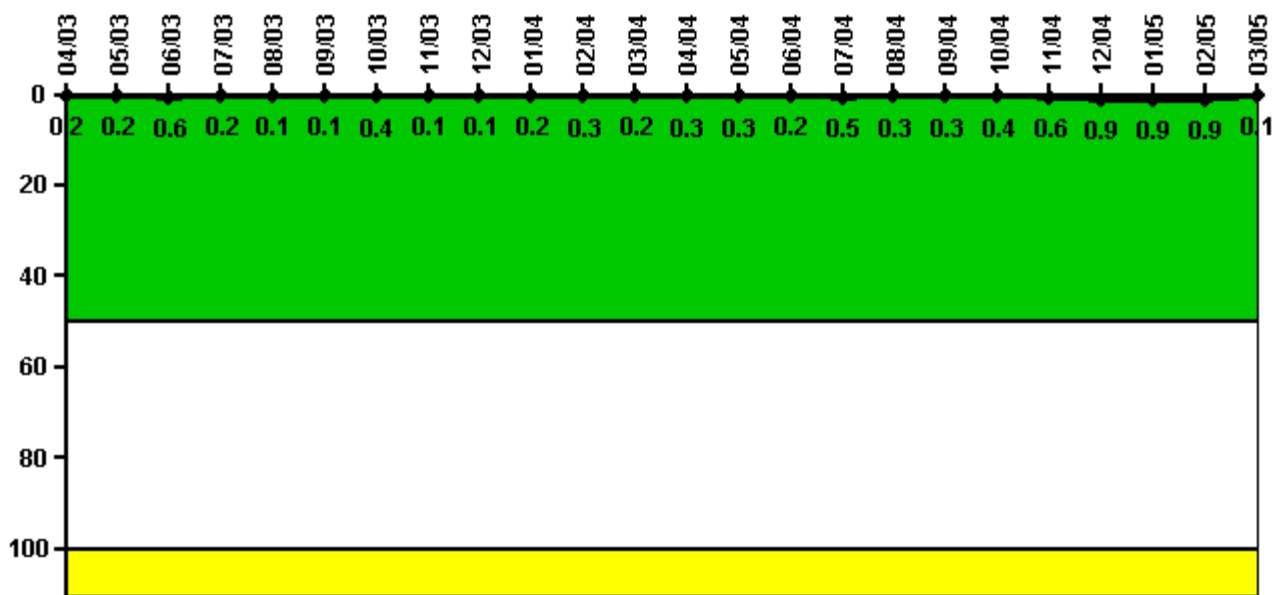
  

Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	0.002067	0.002710	0.002923	0.004270	0.005670	0.010900	0.010550	0.011000	0.011300	0.011510	0.011750	N/A
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.8	1.0	1.1	1.6	2.1	4.1	4.0	4.2	4.3	4.3	4.4	N/A

Licensee Comments:

3/05: March 2005 - Watts Bar was in the U1C6 Refueling Outage during the month of March 2005.

### Reactor Coolant System Leakage



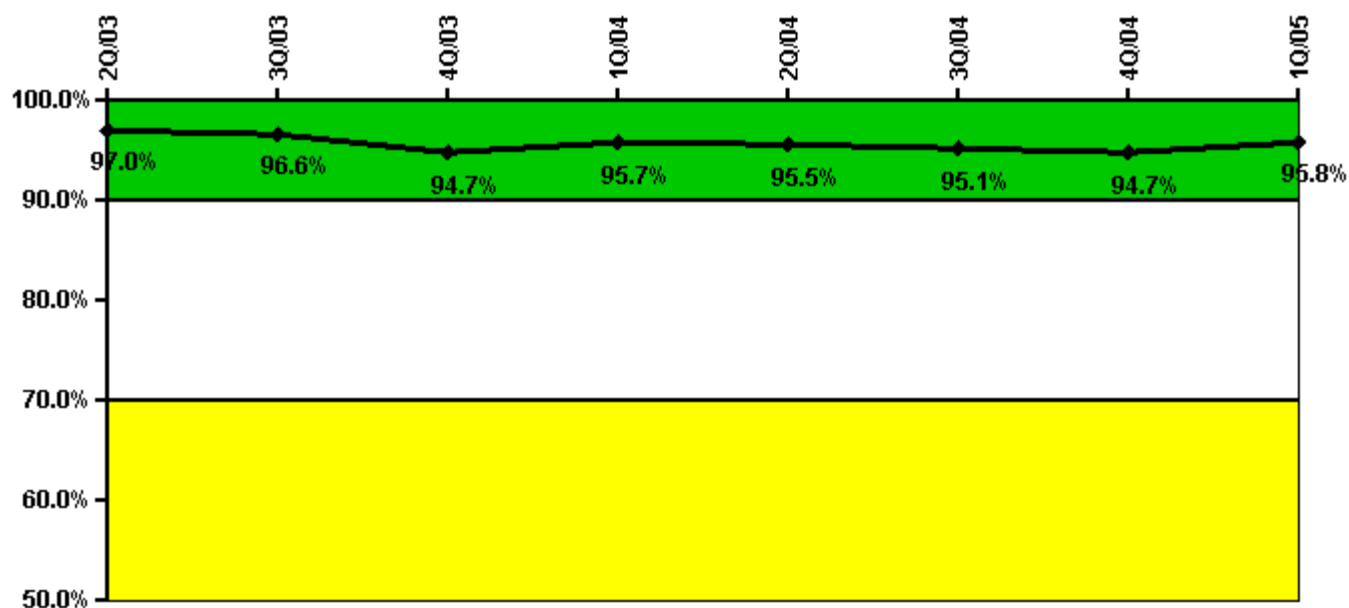
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.020	0.020	0.060	0.020	0.010	0.010	0.040	0.010	0.010	0.020	0.030	0.020
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	0.6	0.2	0.1	0.1	0.4	0.1	0.1	0.2	0.3	0.2
Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.030	0.030	0.020	0.050	0.030	0.030	0.040	0.060	0.090	0.090	0.090	0.010
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	0.3	0.3	0.2	0.5	0.3	0.3	0.4	0.6	0.9	0.9	0.9	0.1

Licensee Comments: none

### Drill/Exercise Performance



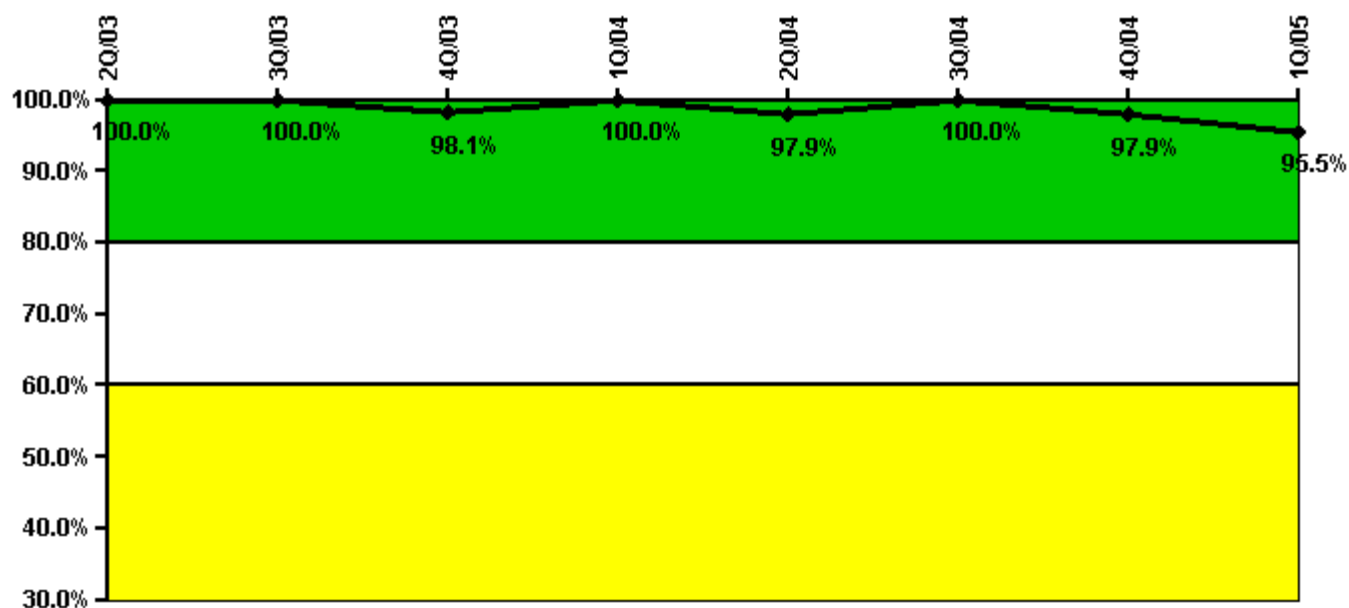
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	6.0	47.0	23.0	34.0	0	11.0	48.0	12.0
Total opportunities	6.0	49.0	26.0	34.0	0	12.0	50.0	12.0
Indicator value	97.0%	96.6%	94.7%	95.7%	95.5%	95.1%	94.7%	95.8%

Licensee Comments: none

### ERO Drill Participation



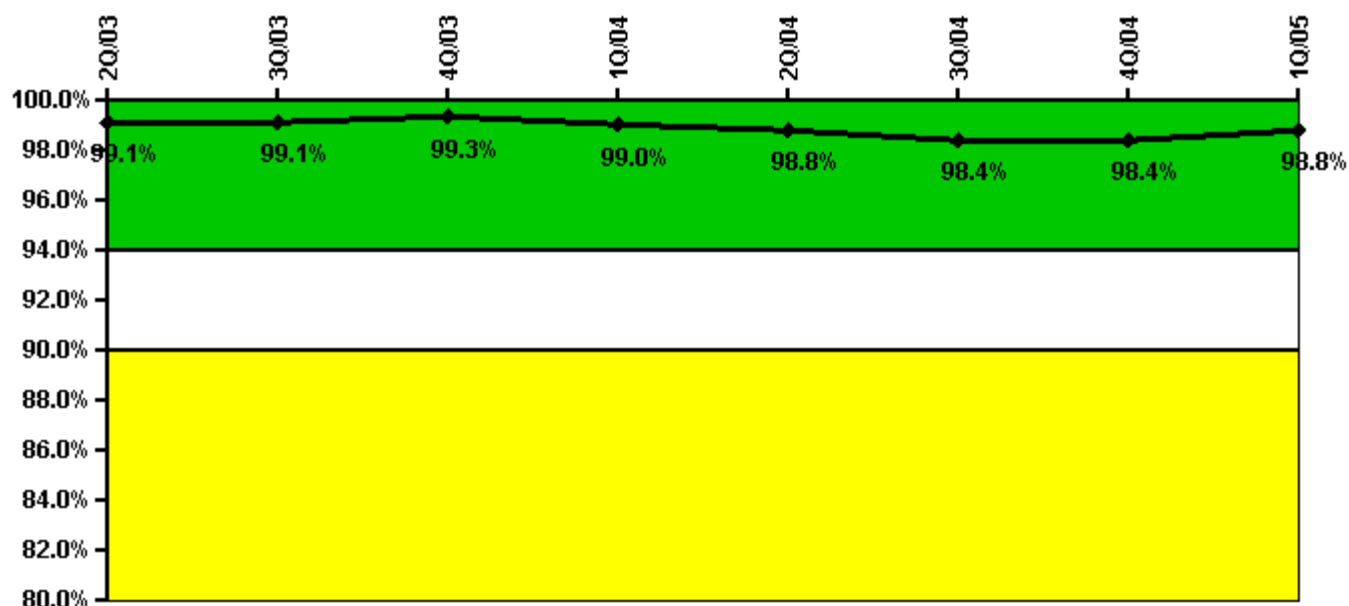
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	57.0	55.0	52.0	50.0	47.0	47.0	47.0	63.0
Total Key personnel	57.0	55.0	53.0	50.0	48.0	47.0	48.0	66.0
Indicator value	100.0%	100.0%	98.1%	100.0%	97.9%	100.0%	97.9%	95.5%

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	885	786	886	677	976	676	885	690
Total sirens-tests	891	792	891	693	990	693	891	693
Indicator value	99.1%	99.1%	99.3%	99.0%	98.8%	98.4%	98.4%	98.8%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
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	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

Last Modified: June 17, 2005