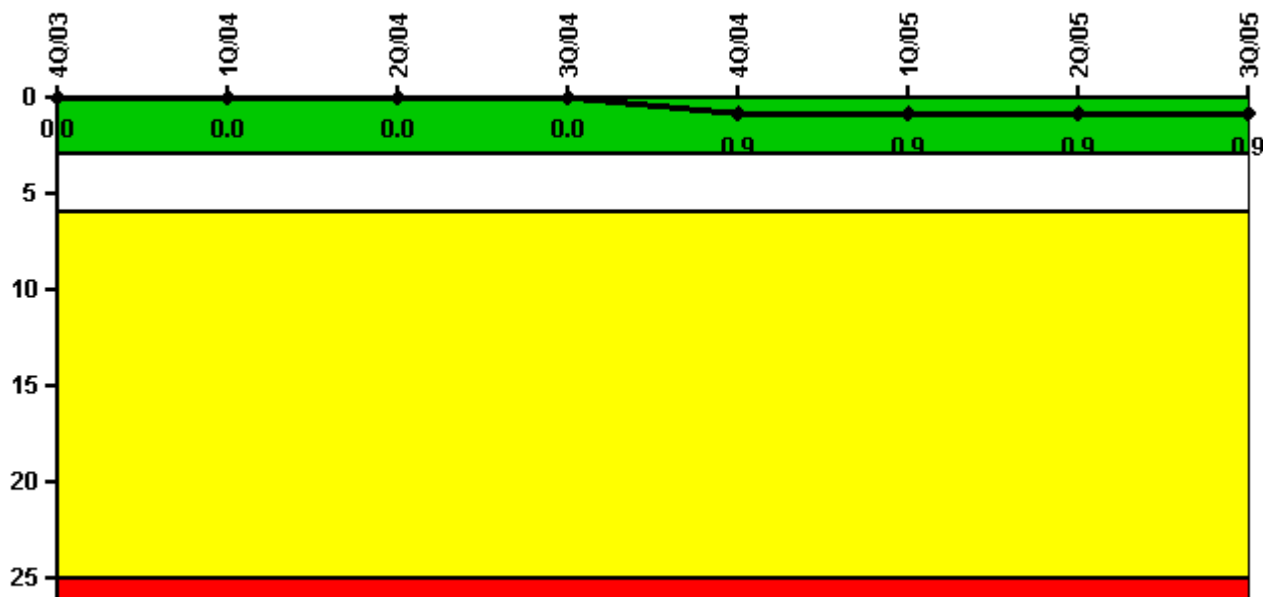


# Catawba 2

## 3Q/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	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	1733.2	1611.7	2160.0	2183.0	2208.0
Indicator value	0	0	0	0	0.9	0.9	0.9	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



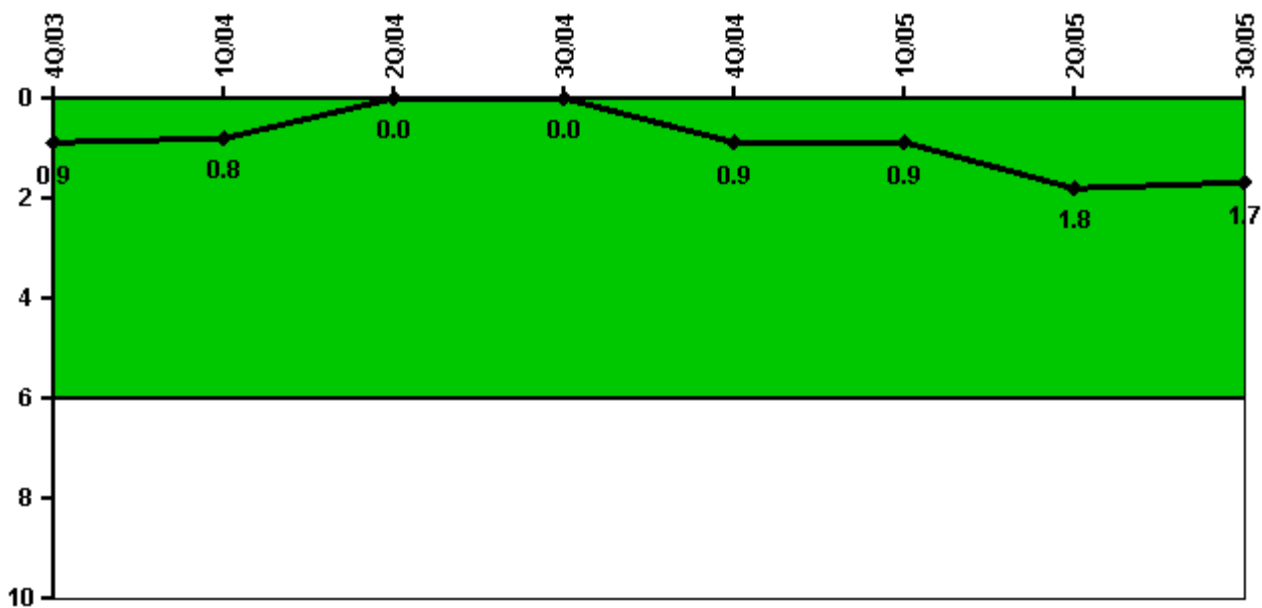
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

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



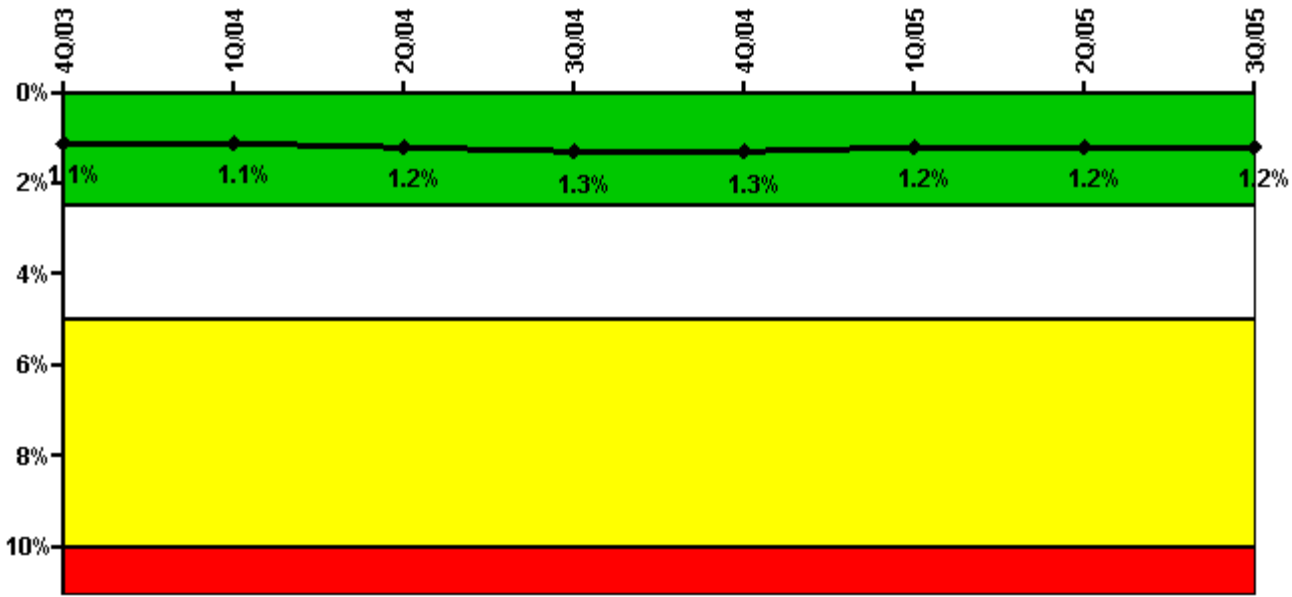
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	2209.0	2184.0	2183.0	1733.2	1611.7	2160.0	2183.0	2208.0
Indicator value	0.9	0.8	0	0	0.9	0.9	1.8	1.7

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



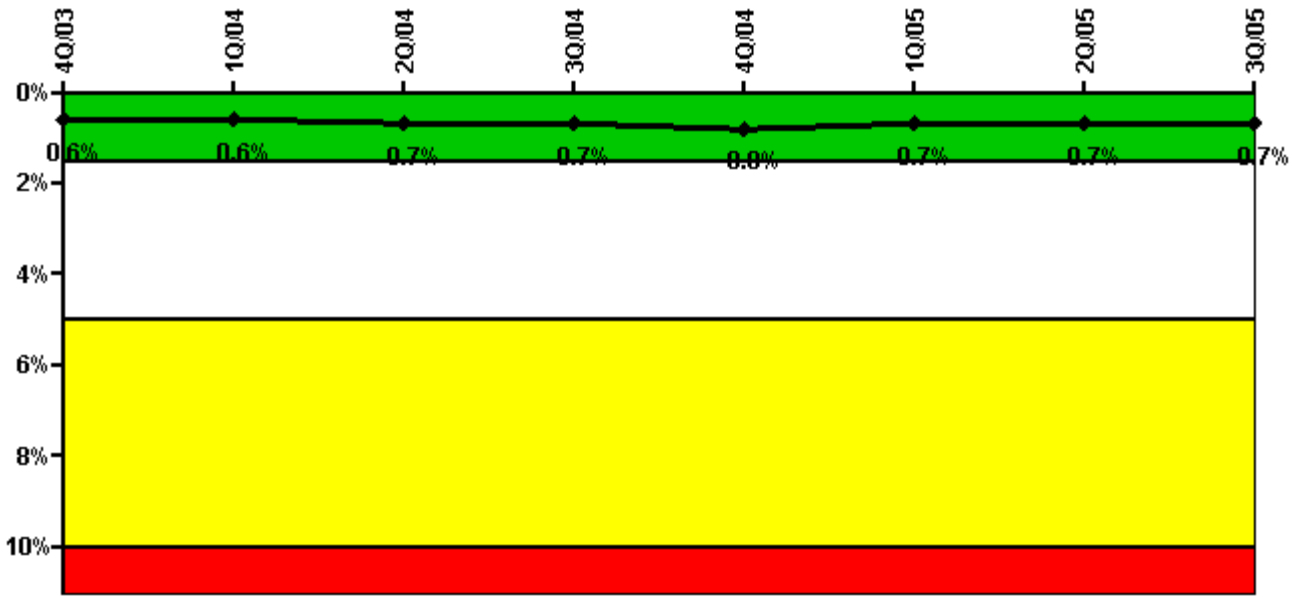
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	38.53	4.92	26.00	2.38	3.04	5.88	6.45	3.12
Unplanned unavailable hours	0	5.63	5.68	0.73	0	1.78	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	86.87	3.45	27.30	31.14	6.56	10.81	1.98	3.45
Unplanned unavailable hours	67.08	1.15	1.10	14.73	0	0	0	5.93
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.2%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.2%</b>

Licensee Comments: none

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



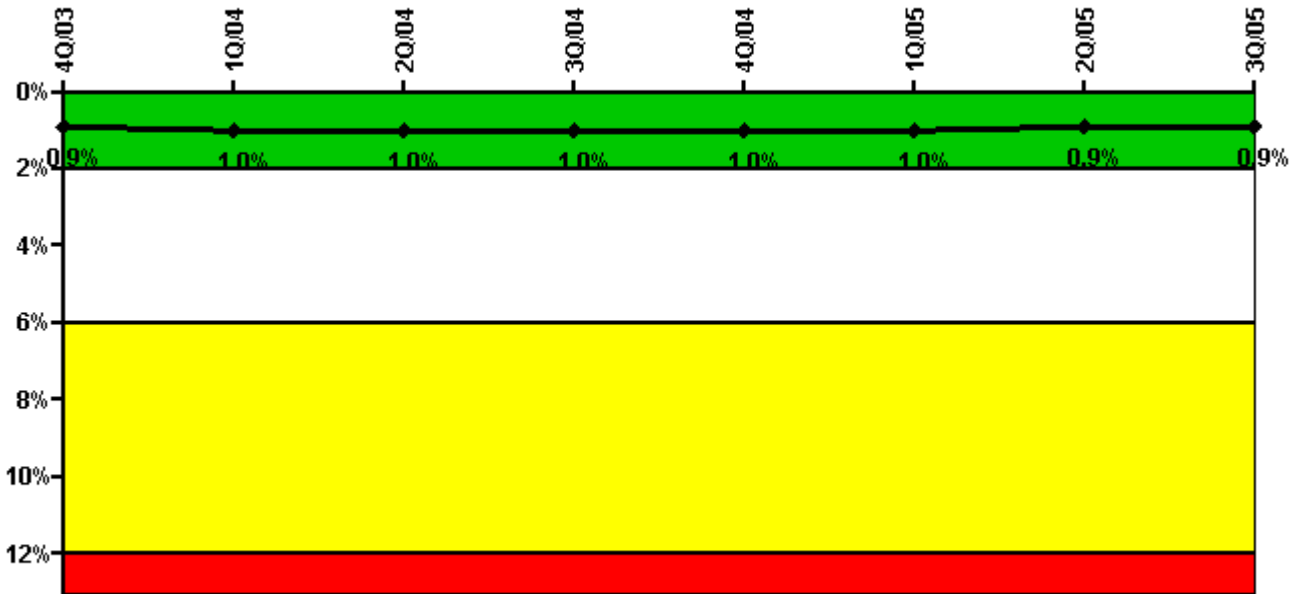
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	32.46	6.49	17.81	16.08	12.55	3.01	3.80	12.10
Unplanned unavailable hours	0	0	0	0	0	1.78	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	2209.00	2184.00	2183.00	1733.20	1598.18	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	41.68	13.70	5.64	20.70	12.78	4.10	8.90	4.04
Unplanned unavailable hours	3.50	0	10.43	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	2209.00	2184.00	2183.00	1733.20	1598.18	2160.00	2183.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	31.96	12.62	4.95	4.76	1.87	12.22	3.50	3.06
Unplanned unavailable hours	0	0	0	0	0	1.78	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	2209.00	2184.00	2183.00	1733.20	1598.18	2160.00	2183.00	2208.00
<b>Train 4</b>								
Planned unavailable hours	41.13	3.45	14.48	13.72	12.78	3.56	3.05	11.60
Unplanned unavailable hours	3.50	0	10.43	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	2209.00	2184.00	2183.00	1733.20	1598.18	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

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



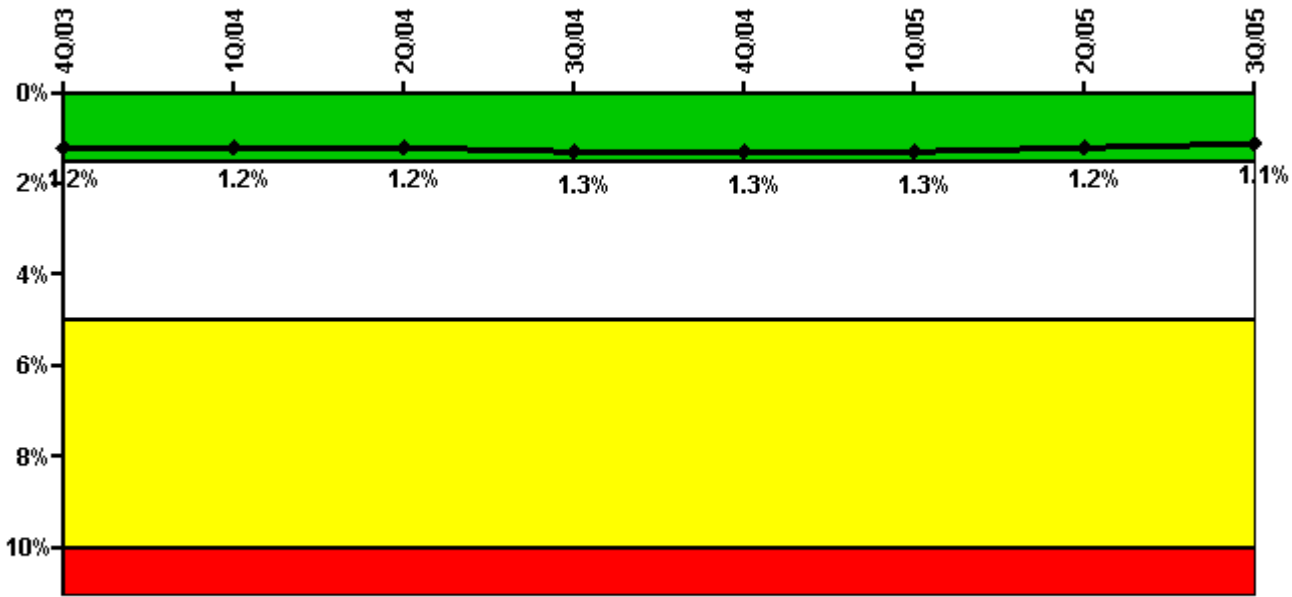
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	33.93	8.18	11.28	9.40	2.12	3.05	11.70	13.29
Unplanned unavailable hours	0	0	0	0	0	1.78	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	2209.00	2184.00	2183.00	1737.50	1711.20	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	69.10	35.48	8.46	25.92	22.75	3.81	20.43	3.98
Unplanned unavailable hours	3.50	0	10.43	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	2209.00	2184.00	2183.00	1737.50	1711.20	2160.00	2183.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	12.60	12.48	9.43	4.68	0	16.61	4.85	12.57
Unplanned unavailable hours	0	0	0	7.42	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	2209.00	2184.00	2183.00	1737.50	1711.20	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.9%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>0.9%</b>	<b>0.9%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



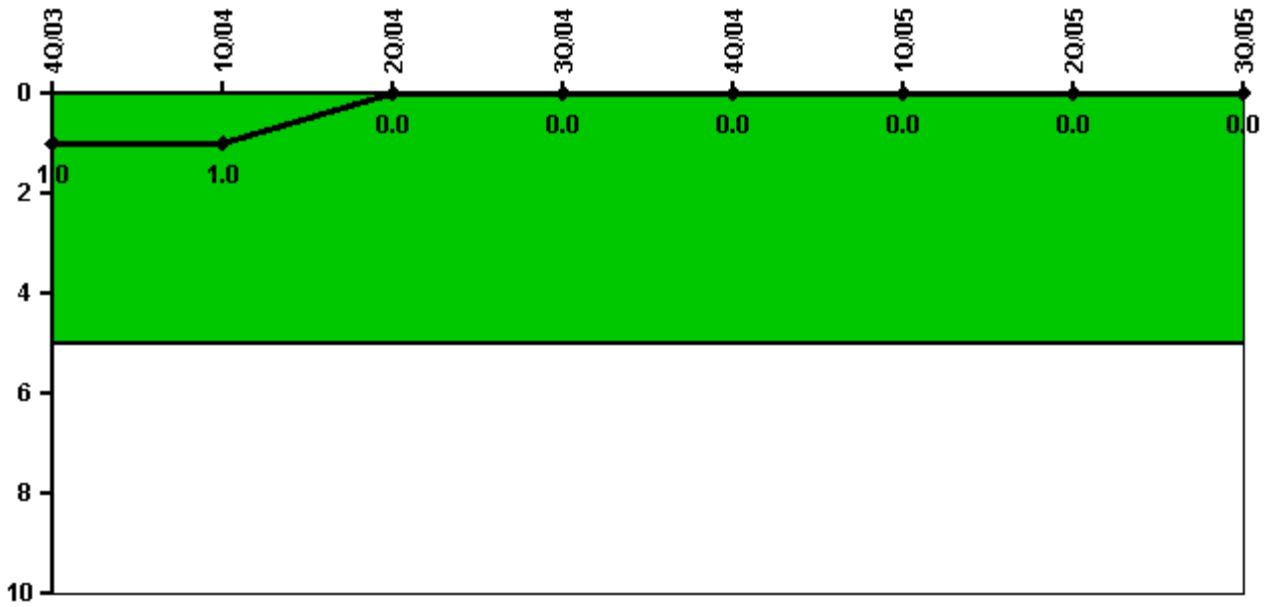
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
<b>Train 1</b>								
Planned unavailable hours	32.33	30.94	5.40	11.89	2.20	3.02	3.75	21.22
Unplanned unavailable hours	0	0	0	0	0	1.78	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	2209.00	2184.00	2183.00	1904.10	2209.00	2160.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	69.23	3.45	20.15	29.38	17.18	3.91	23.18	3.75
Unplanned unavailable hours	3.50	0	10.43	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	2209.00	2184.00	2183.00	1904.10	2209.00	2160.00	2183.00	2208.00
<b>Indicator value</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.2%</b>	<b>1.1%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

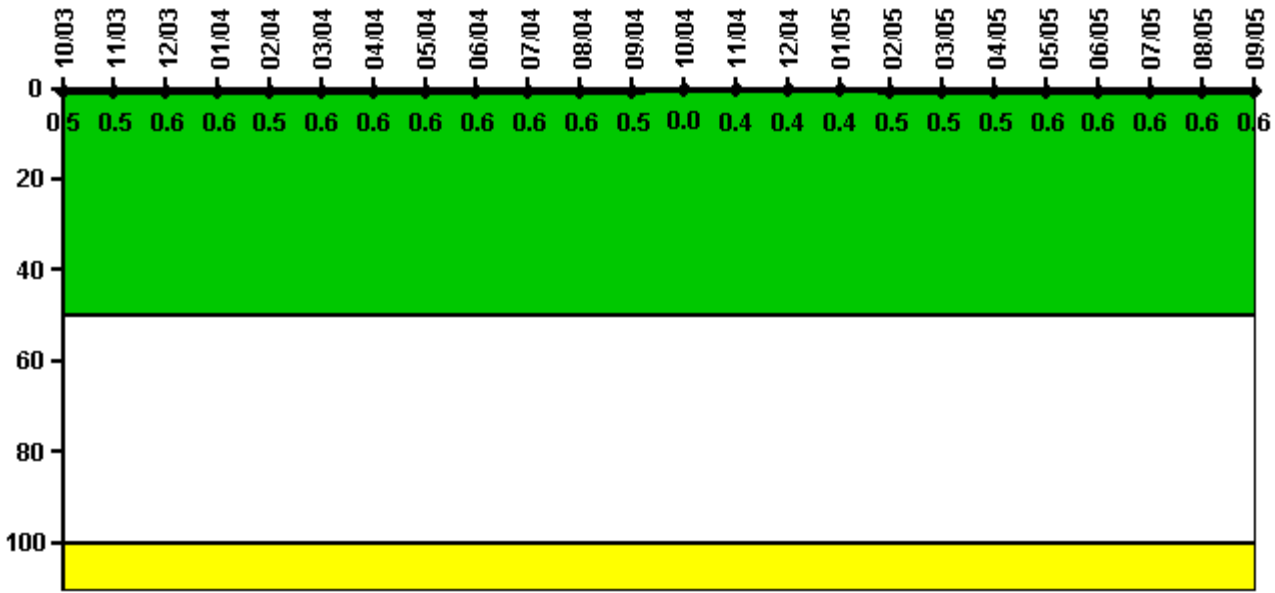
#### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



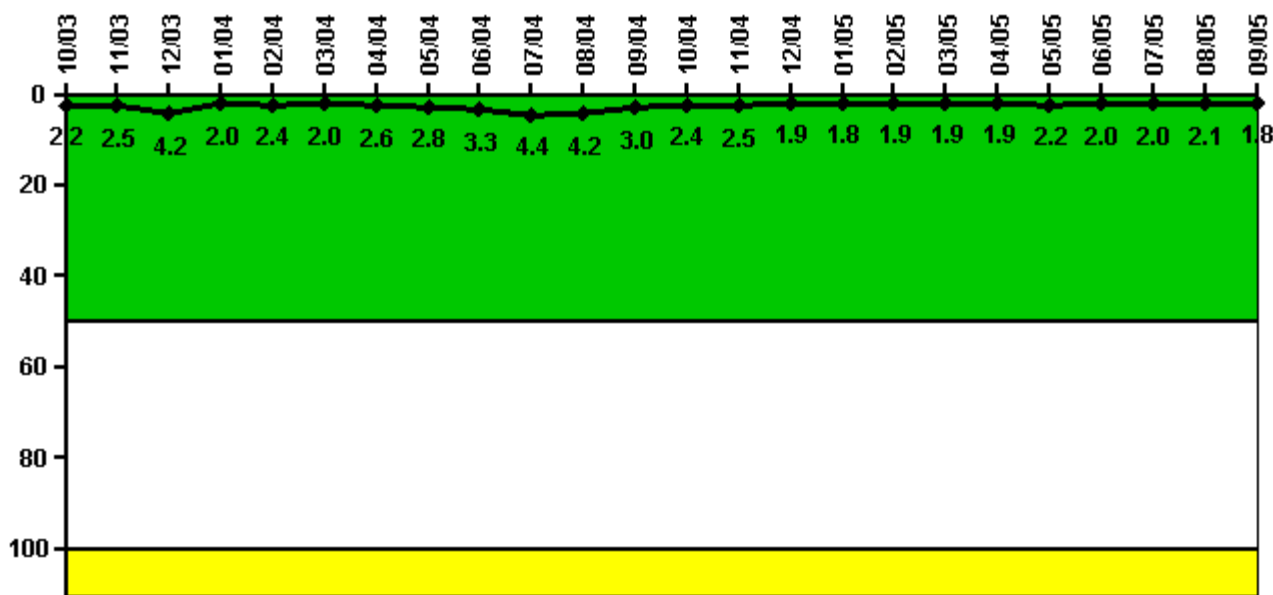
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000341	0.000340	0.000353	0.000352	0.000344	0.000405	0.000357	0.000376	0.000392	0.000368	0.000373	0.000299
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5
Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0	0.000229	0.000252	0.000283	0.000321	0.000322	0.000336	0.000366	0.000378	0.000369	0.000397	0.000408
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

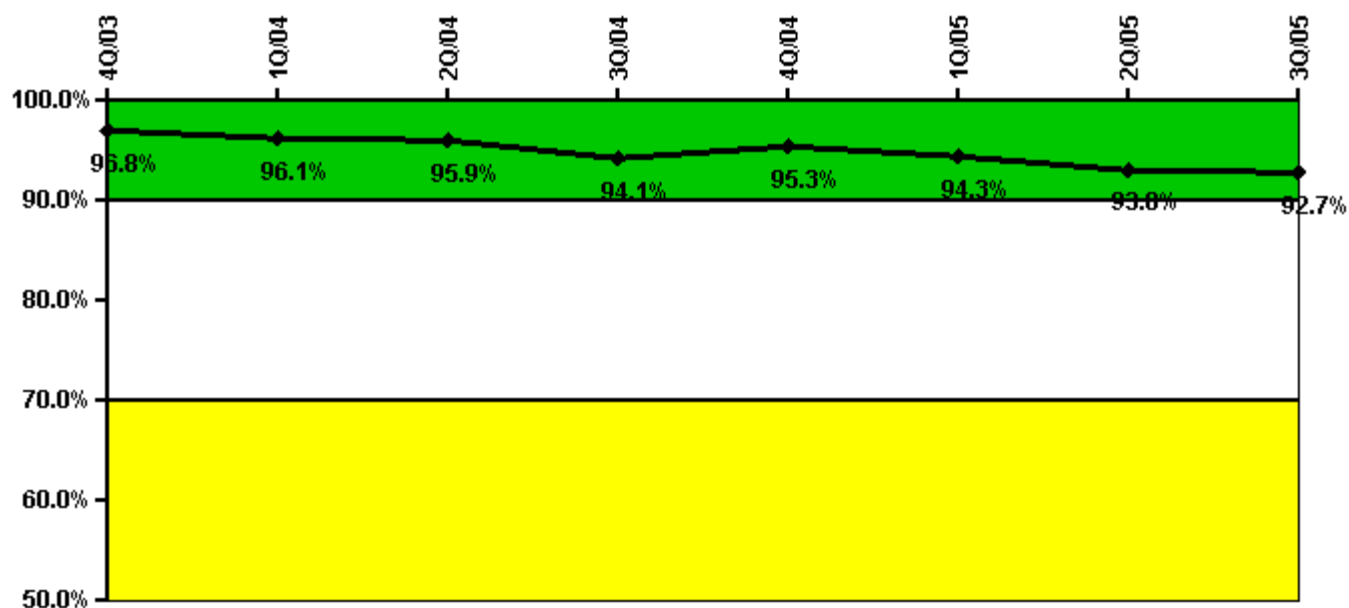
Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.223	0.245	0.418	0.197	0.241	0.202	0.264	0.278	0.328	0.444	0.423	0.298
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.5	4.2	2.0	2.4	2.0	2.6	2.8	3.3	4.4	4.2	3.0

Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.235	0.251	0.192	0.176	0.188	0.185	0.194	0.221	0.201	0.197	0.209	0.184
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	2.4	2.5	1.9	1.8	1.9	1.9	1.9	2.2	2.0	2.0	2.1	1.8

Licensee Comments: none

### Drill/Exercise Performance



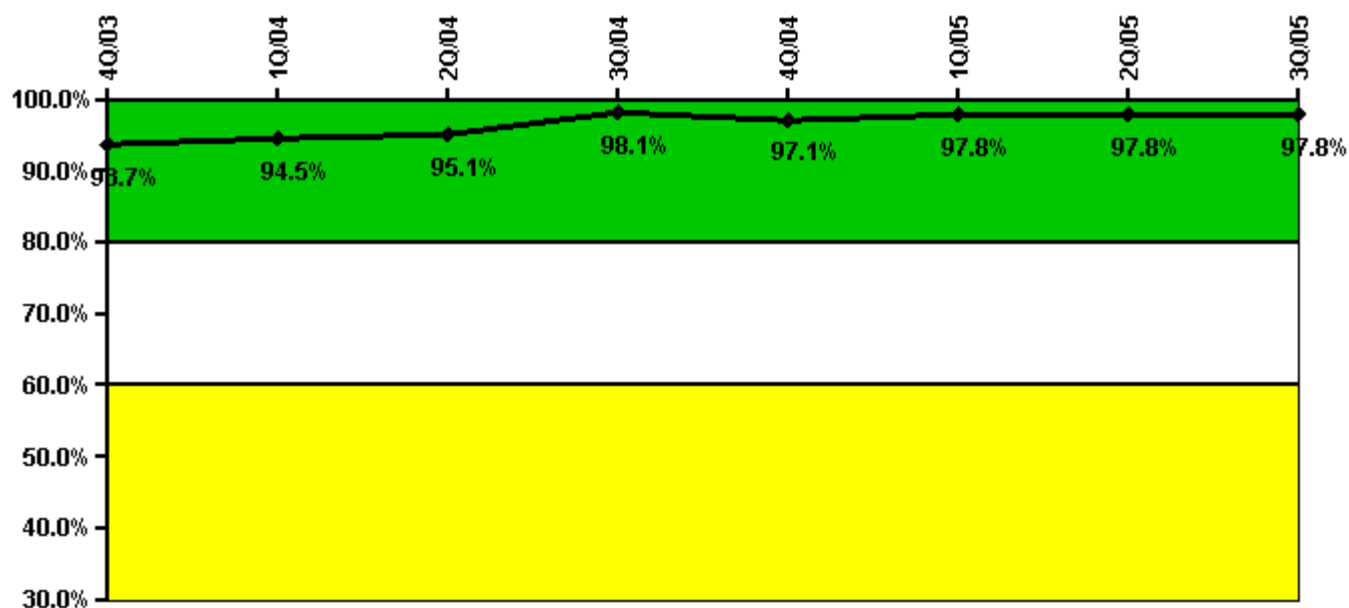
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	22.0	25.0	19.0	66.0	15.0	56.0	8.0	119.0
Total opportunities	22.0	28.0	20.0	76.0	15.0	62.0	8.0	125.0
Indicator value	96.8%	96.1%	95.9%	94.1%	95.3%	94.3%	93.0%	92.7%

Licensee Comments: none

### ERO Drill Participation



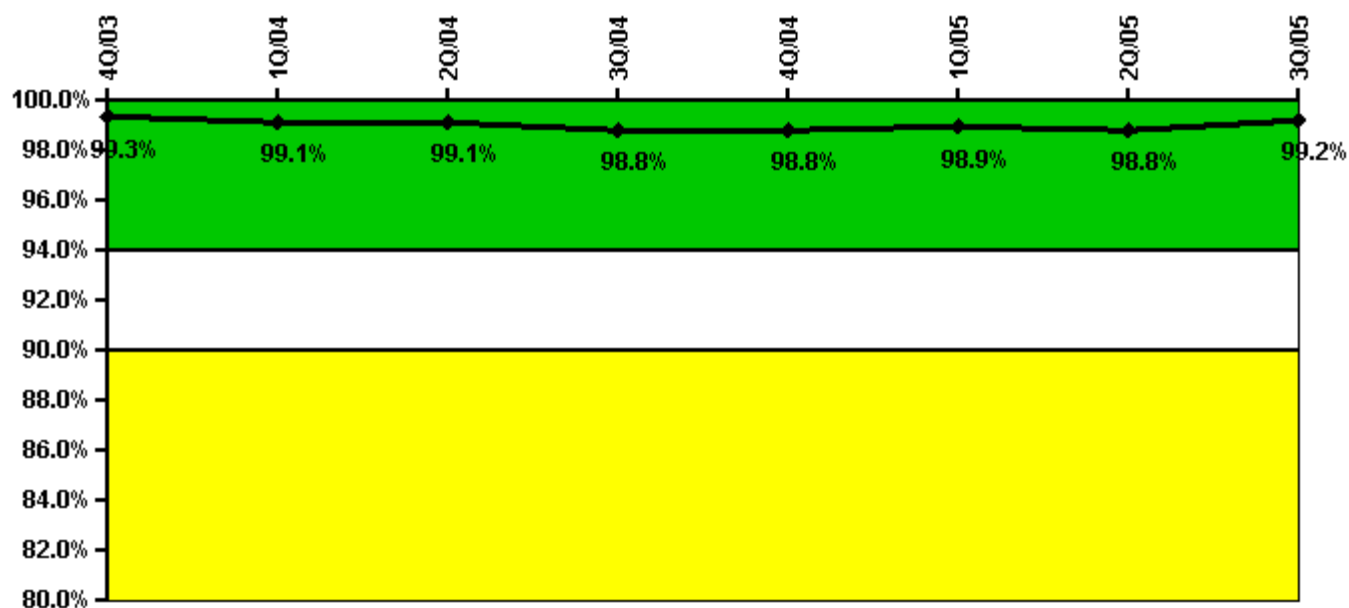
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	149.0	154.0	154.0	156.0	133.0	134.0	133.0	131.0
Total Key personnel	159.0	163.0	162.0	159.0	137.0	137.0	136.0	134.0
Indicator value	93.7%	94.5%	95.1%	98.1%	97.1%	97.8%	97.8%	97.8%

Licensee Comments: none

### Alert & Notification System



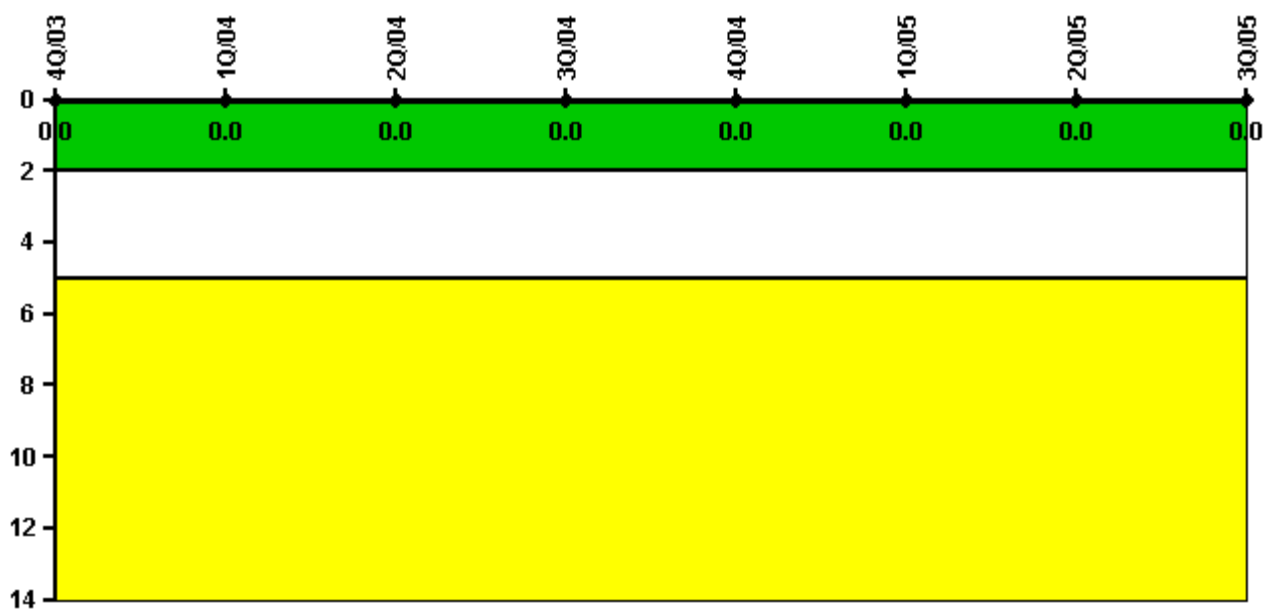
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	2375	2383	2384	2494	2394	2391	2376	2377
Total sirens-tests	2388	2403	2403	2560	2403	2403	2403	2403
Indicator value	99.3%	99.1%	99.1%	98.8%	98.8%	98.9%	98.8%	99.2%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/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	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/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.