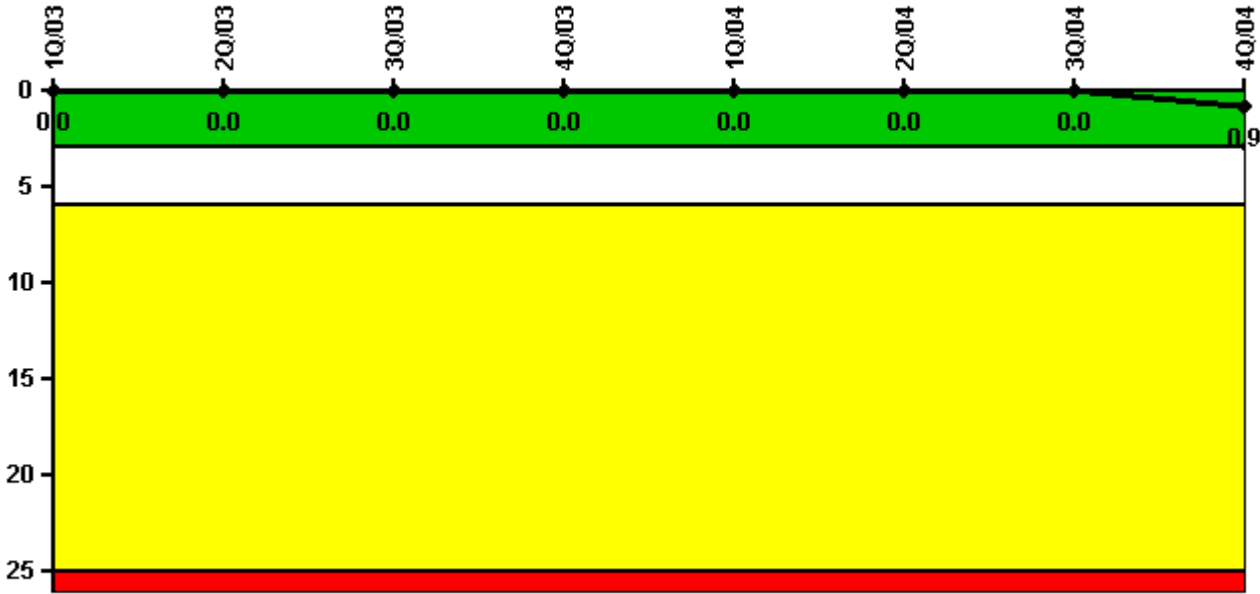


# Browns Ferry 3

## 4Q/2004 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/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2160.0	1916.0	2191.0	2209.0	1486.6	2183.0	2208.0	2179.8
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



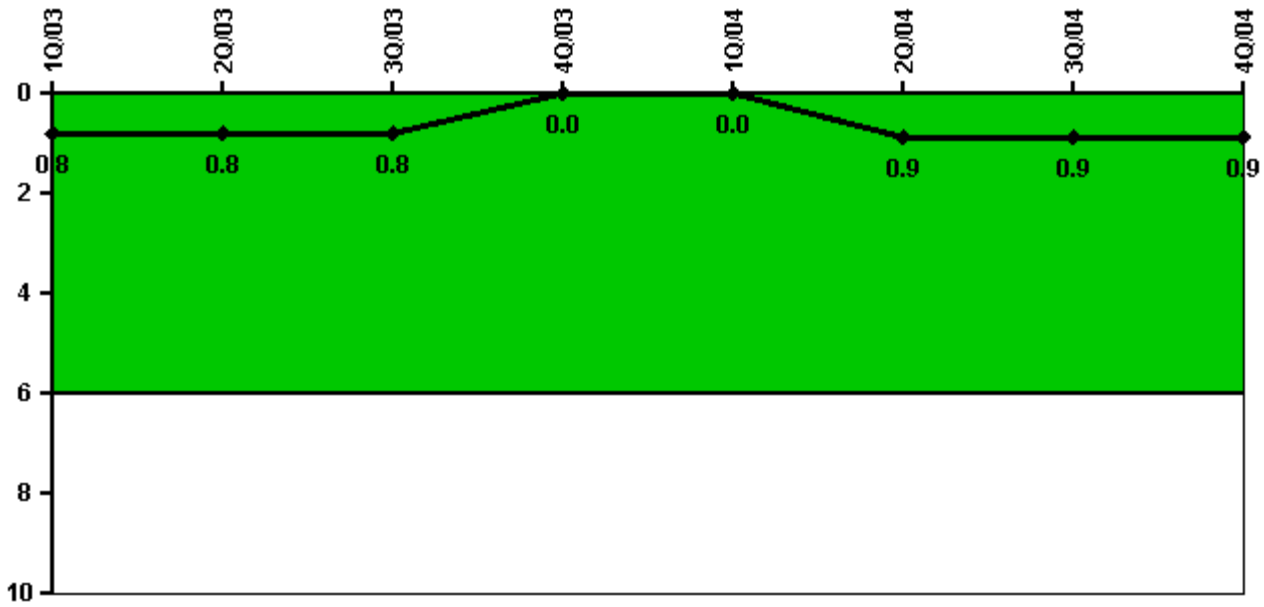
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

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



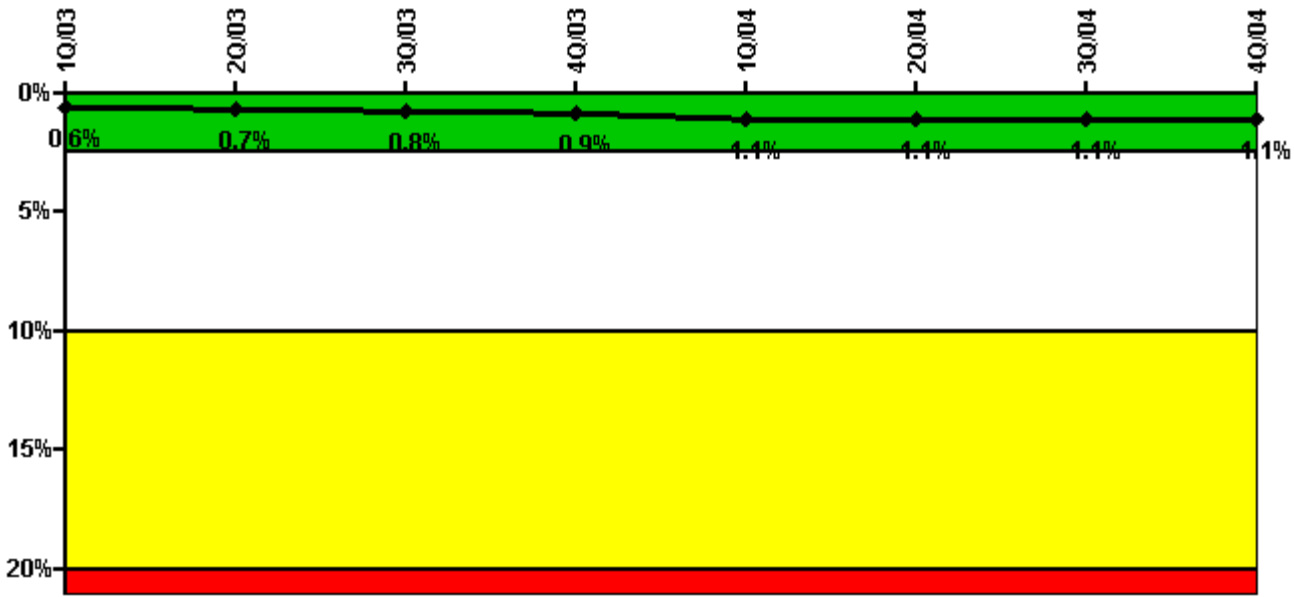
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	1916.0	2191.0	2209.0	1486.6	2183.0	2208.0	2179.8
<b>Indicator value</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

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



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

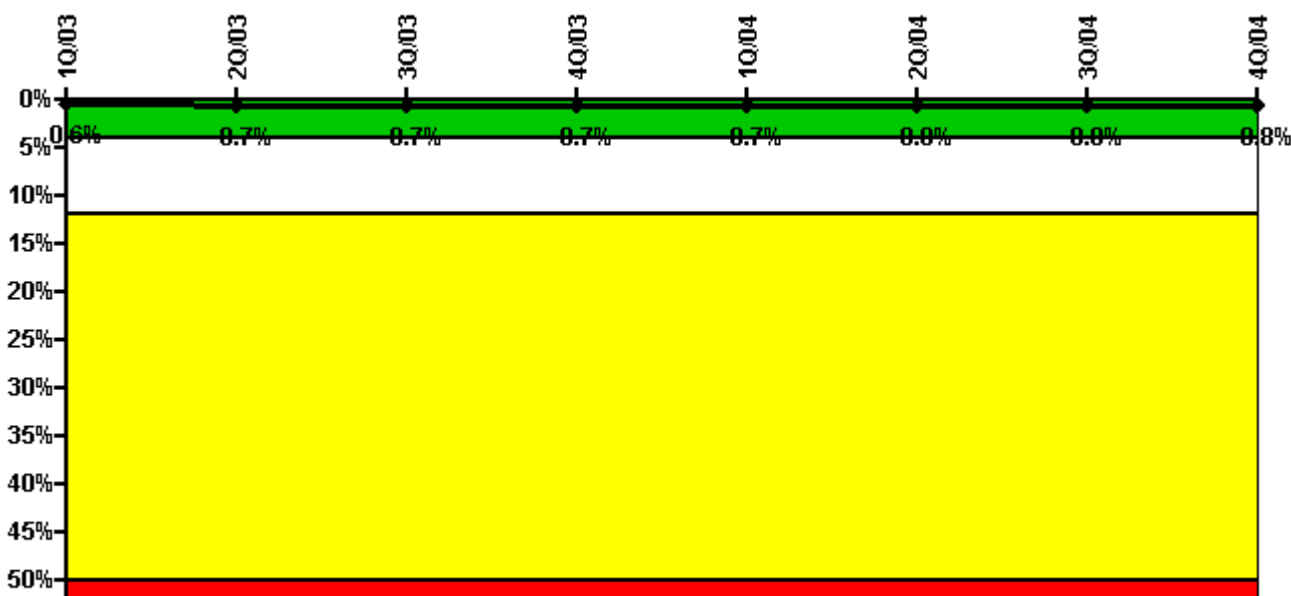
#### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	1.52	47.44	38.97	3.83	1.08	1.46	1.57	13.01
Unplanned unavailable hours	0	0	35.57	0	0	0	0	6.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2184.00	2208.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	5.29	12.80	39.40	37.85	1.02	0.81	1.21	0.86
Unplanned unavailable hours	0	0	0	0	15.52	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	2160.00	2183.00	2208.00	2209.00	2184.00	2184.00	2208.00	2208.00
<b>Train 3</b>								
Planned unavailable hours	82.33	7.52	11.02	1.02	0.99	0.53	1.25	1.23
Unplanned unavailable hours	0	0	0	0	0	7.03	0	13.33
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2184.00	2208.00	2208.00
<b>Train 4</b>								
Planned unavailable hours	14.89	59.27	6.19	22.61	50.82	1.01	0.50	1.10
Unplanned unavailable hours	0	0	57.42	0	4.55	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	2160.00	2183.00	2208.00	2209.00	2184.00	2184.00	2208.00	2208.00
<b>Train 5</b>								
Planned unavailable hours	6.16	9.28	1.07	67.80	1.50	0.93	1.11	1.87
Unplanned unavailable hours	27.68	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	2160.00	2183.00	2208.00	2209.00	2184.00	2184.00	2208.00	2208.00
<b>Train 6</b>								
Planned unavailable hours	4.89	1.56	6.30	2.09	58.30	0.76	2.68	1.55
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	2160.00	2183.00	2208.00	2209.00	2184.00	2184.00	2208.00	2208.00
<b>Train 7</b>								
Planned unavailable hours	1.55	37.81	4.44	2.02	1.85	2.32	3.59	10.61
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	2160.00	2183.00	2208.00	2209.00	2184.00	2184.00	2208.00	2208.00
<b>Train 8</b>								
Planned unavailable hours	14.01	10.89	3.86	1.29	1.18	1.39	1.05	2.33
Unplanned unavailable hours	0	34.08	0	0	89.95	0	0	0
Fault exposure hours	0	0	0	0	378.67	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2184.00	2208.00	2208.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>

Licensee Comments: none

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



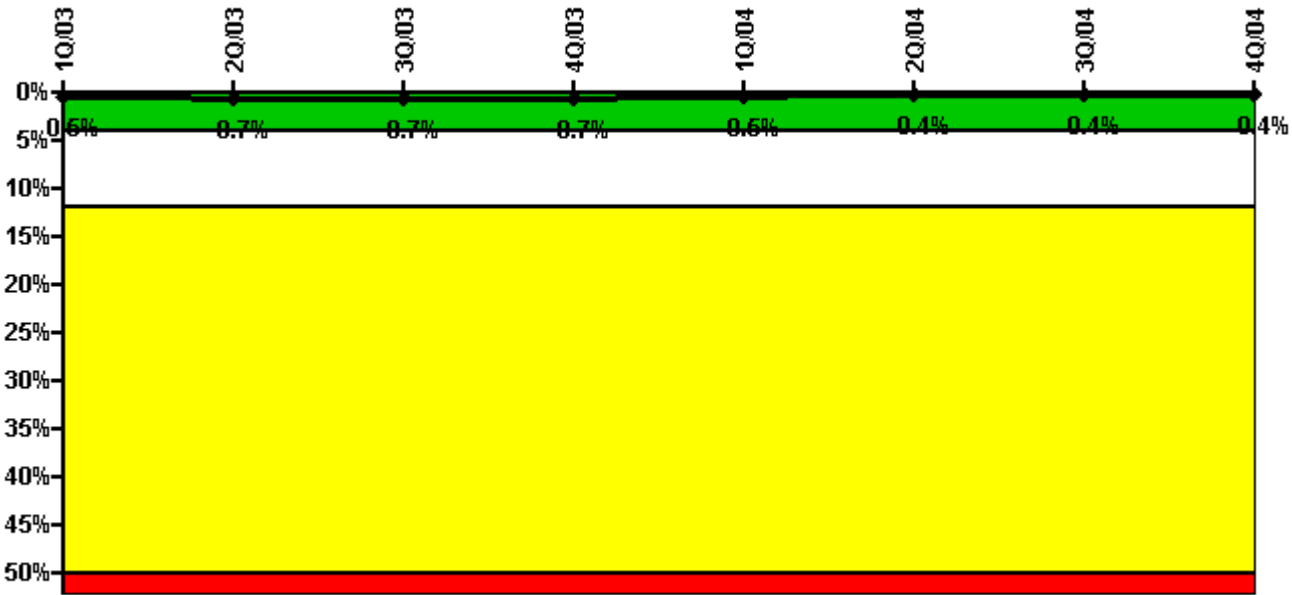
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

**Notes**

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	11.23	0	0	18.33	7.40	0
Unplanned unavailable hours	0	14.25	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	2160.00	1919.30	2189.10	2209.00	1488.70	2184.00	2208.00	2208.00
<b>Indicator value</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>

Licensee Comments: none

**Safety System Unavailability, Heat Removal System (RCIC)**



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

**Notes**

Safety System Unavailability, Heat Removal System (RCIC)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	0.43	28.65	0.28	14.38	0.25	0.08	7.27	0.35
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	2160.00	1919.30	2189.10	2209.00	1488.70	2184.00	2208.00	2208.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.4%</b>

Licensee Comments: none

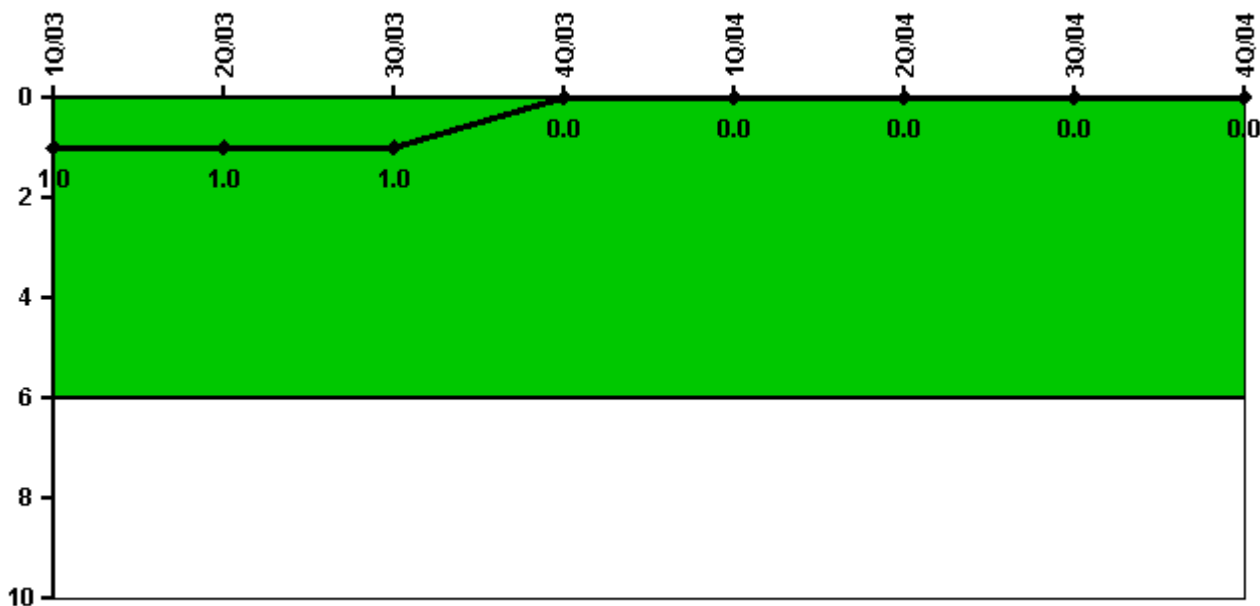


Required hours	2160.00	2183.00	2208.00	2209.00	1714.70	2183.00	2208.00	2209.00
Indicator value	0.6%	0.4%	0.4%	0.6%	0.7%	0.7%	0.9%	0.9%

Licensee Comments:

4Q/04: Pending resolution of FAQ 40.7, 20.95 hours planned unavailability in October are included for Train 1 (3A), and 22.19 hours planned unavailability in October and 8.13 hours planned unavailability in November are included for Train 3 (3C)

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

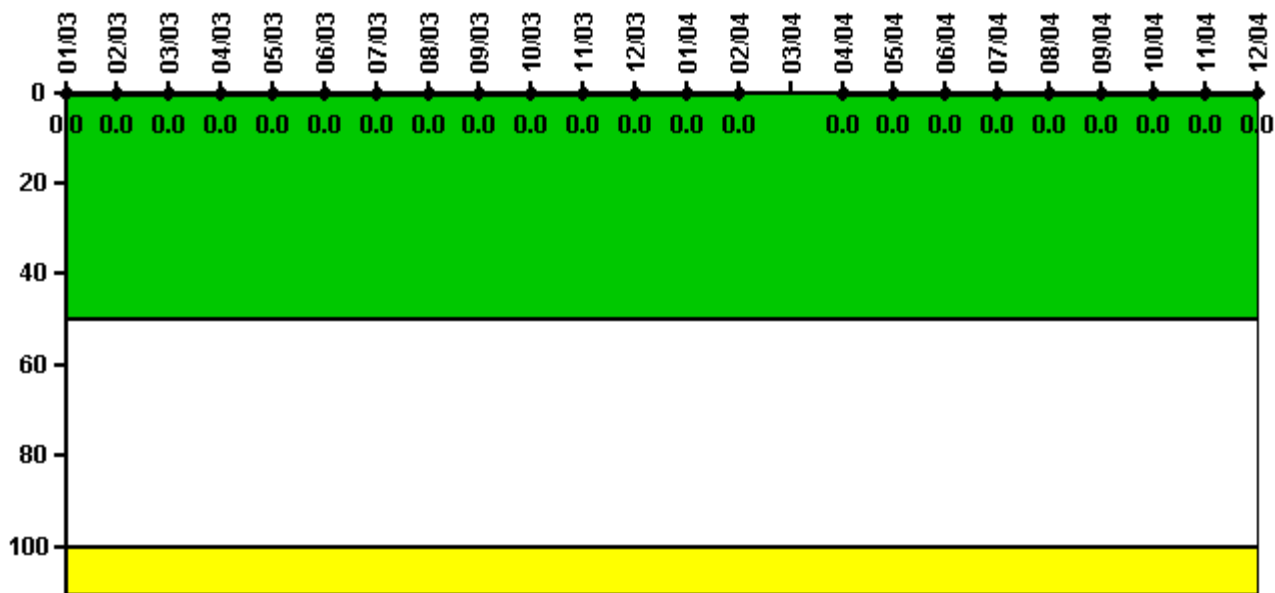
### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



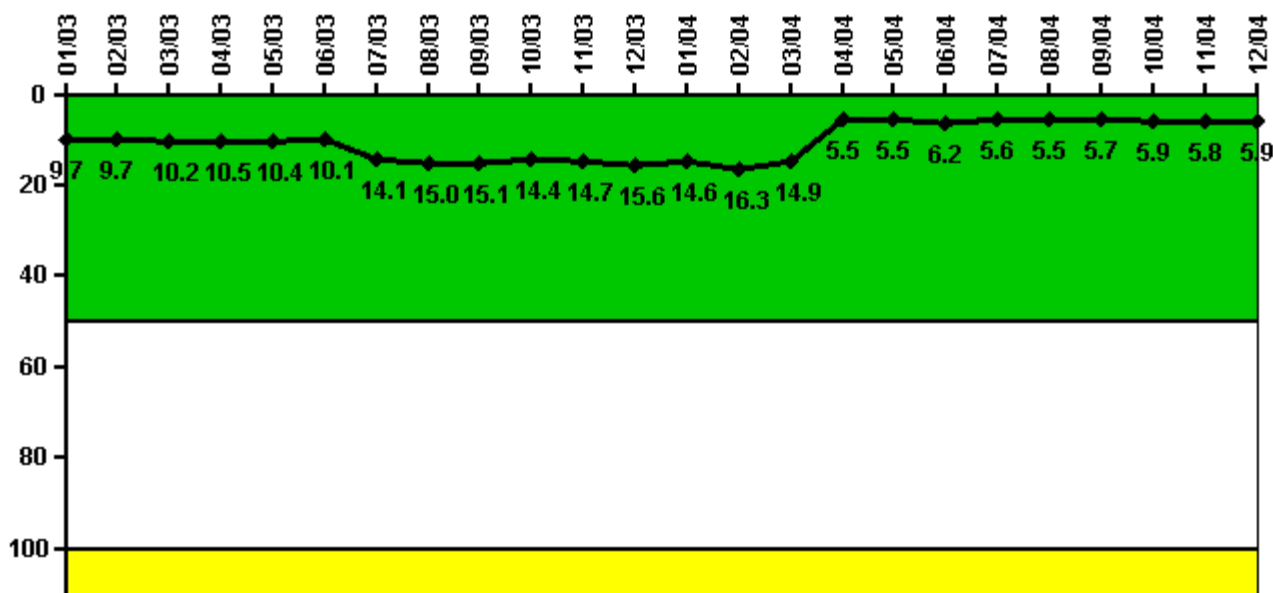
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.000137	0.000096	0.000134	0.000096	0.000155	0.000101	0.000135	0.000140	0.000107	0.000069	0.000121	0.000102
Technical specification limit	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.000100	0.000286	N/A	0.000090	0.000086	0.000077	0.000077	0.000073	0.000080	0.000068	0.000028	0.000028
Technical specification limit	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Indicator value	0	0	N/A	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



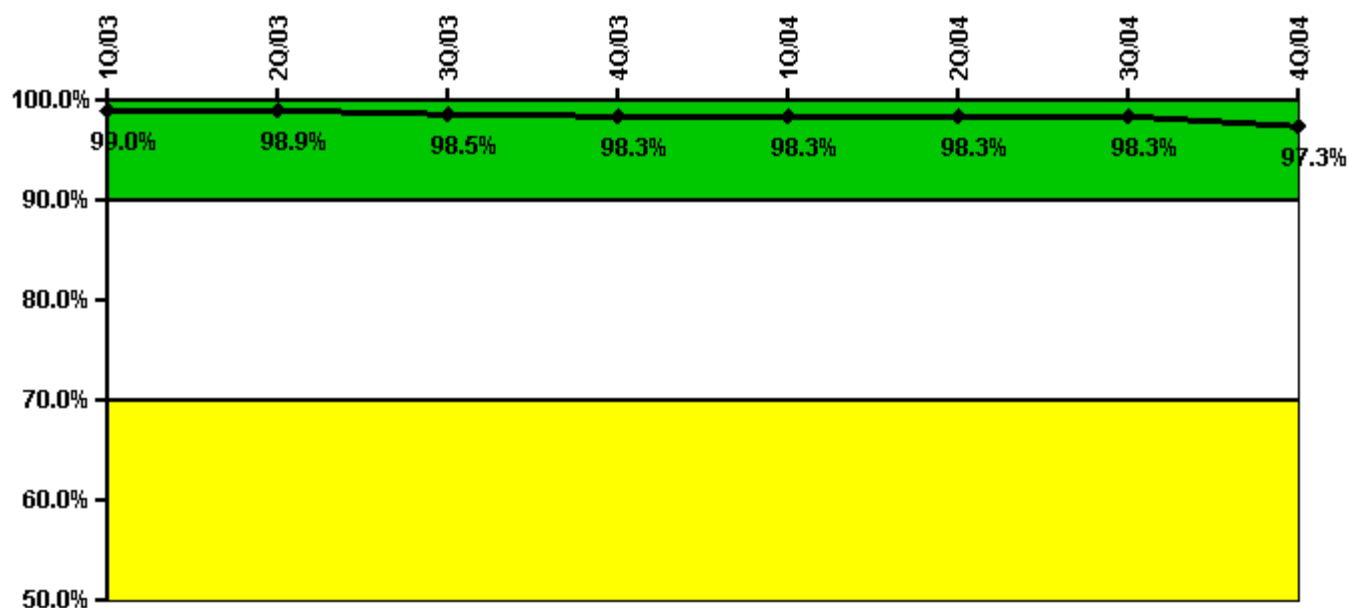
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	2.920	2.910	3.070	3.140	3.130	3.020	4.240	4.510	4.540	4.310	4.410	4.670
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	9.7	9.7	10.2	10.5	10.4	10.1	14.1	15.0	15.1	14.4	14.7	15.6
Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	4.370	4.880	4.480	1.640	1.640	1.850	1.670	1.660	1.720	1.760	1.750	1.780
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	14.6	16.3	14.9	5.5	5.5	6.2	5.6	5.5	5.7	5.9	5.8	5.9

Licensee Comments: none

### Drill/Exercise Performance



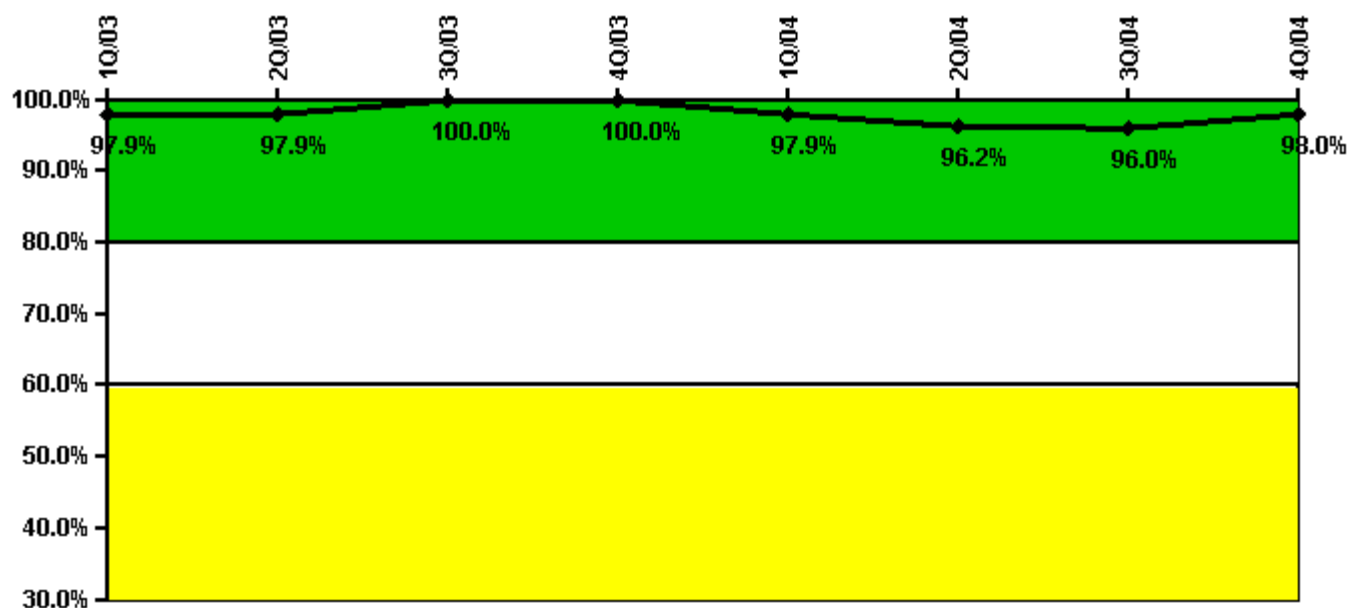
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	12.0	12.0	19.0	51.0	6.0	6.0	7.0	67.0
Total opportunities	12.0	12.0	20.0	52.0	6.0	6.0	7.0	70.0
Indicator value	99.0%	98.9%	98.5%	98.3%	98.3%	98.3%	98.3%	97.3%

Licensee Comments: none

### ERO Drill Participation



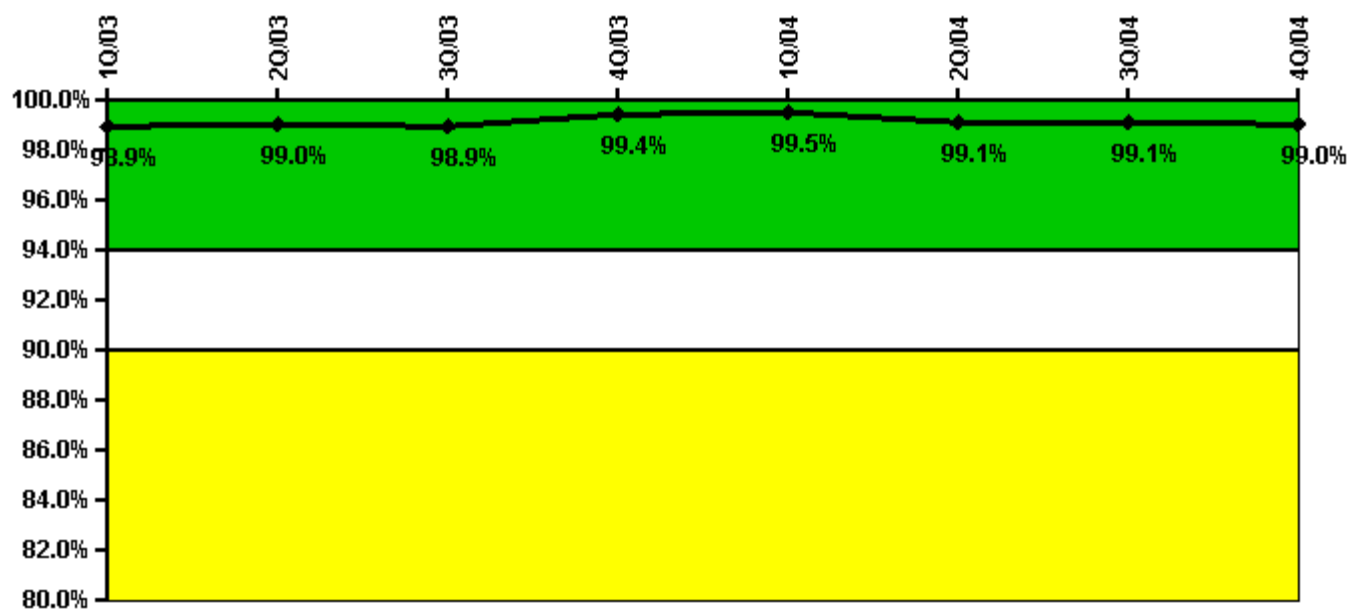
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	46.0	47.0	49.0	50.0	47.0	51.0	48.0	49.0
Total Key personnel	47.0	48.0	49.0	50.0	48.0	53.0	50.0	50.0
Indicator value	97.9%	97.9%	100.0%	100.0%	97.9%	96.2%	96.0%	98.0%

Licensee Comments: none

### Alert & Notification System



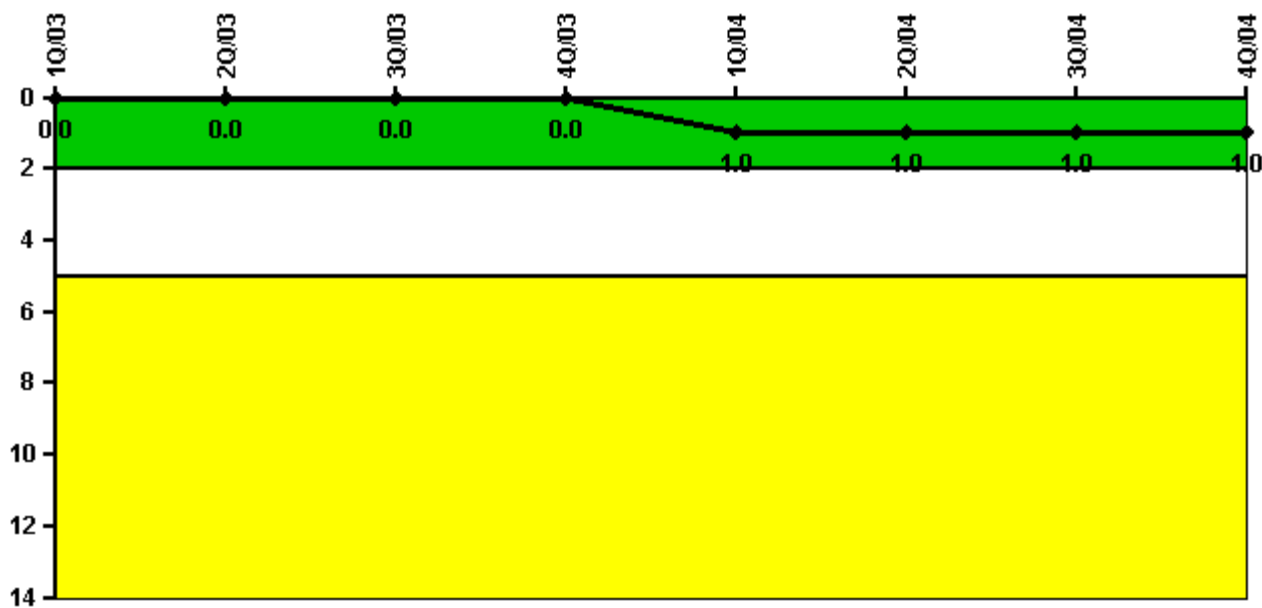
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	593	995	594	1098	596	883	694	994
Total sirens-tests	600	1000	600	1100	600	900	700	1000
Indicator value	98.9%	99.0%	98.9%	99.4%	99.5%	99.1%	99.1%	99.0%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
High radiation area occurrences	0	0	0	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



**Thresholds: White > 1.0 Yellow > 3.0**

**Notes**

RETS/ODCM Radiological Effluent	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
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: March 9, 2005