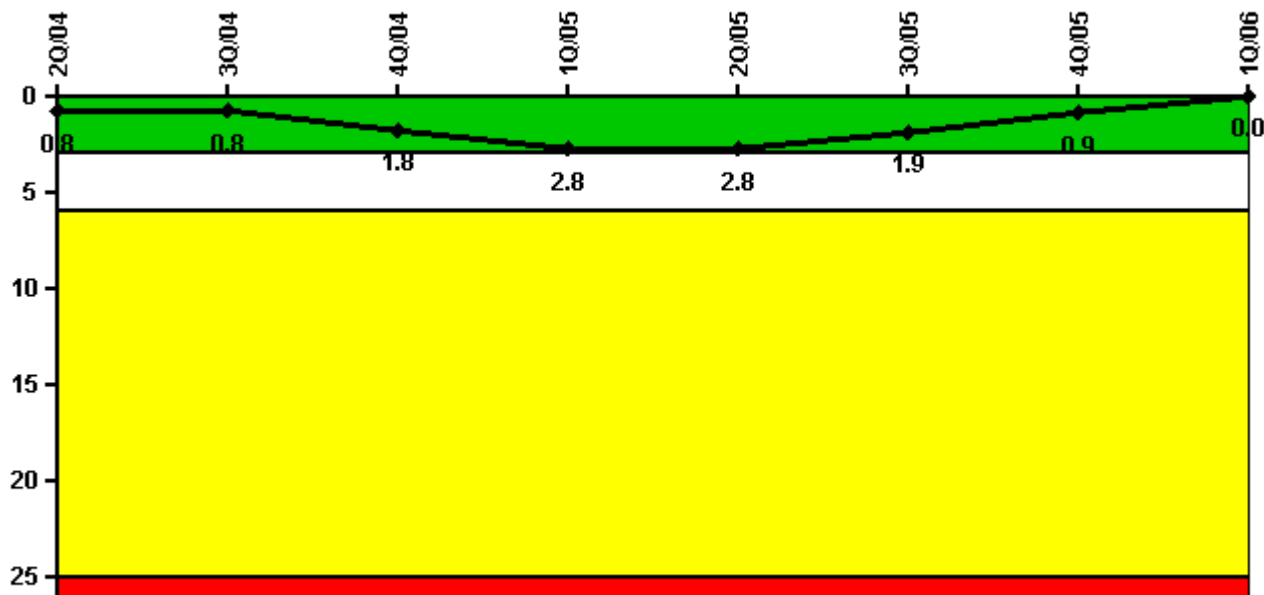


## Fermi 2

### 1Q/2006 Performance Indicators

Licensee's General Comments: Emergency Preparedness group revised the successful drills count for 09/2005 from 22 to 21. The change was based on re-assessment of a notification accuracy, and the indicator remains Green.

#### Unplanned Scrams per 7000 Critical Hrs



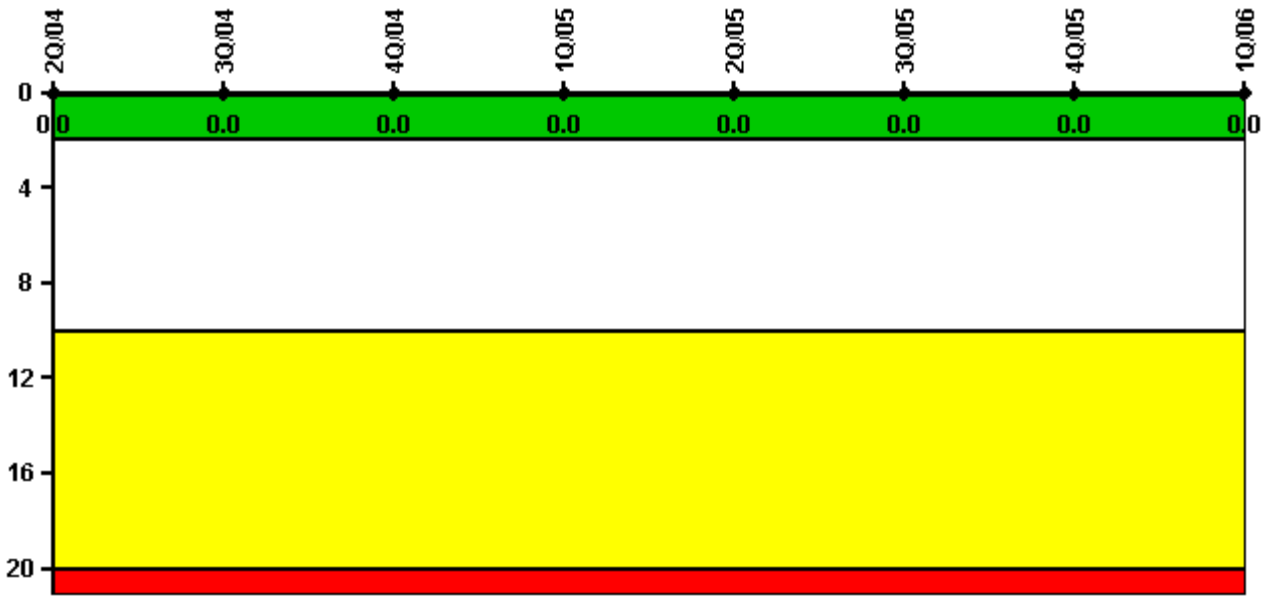
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	1.0	1.0	1.0	0	0	0	0
Critical hours	2183.0	1979.5	1558.7	1884.3	2065.8	1873.7	2209.0	1997.3
Indicator value	0.8	0.8	1.8	2.8	2.8	1.9	0.9	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



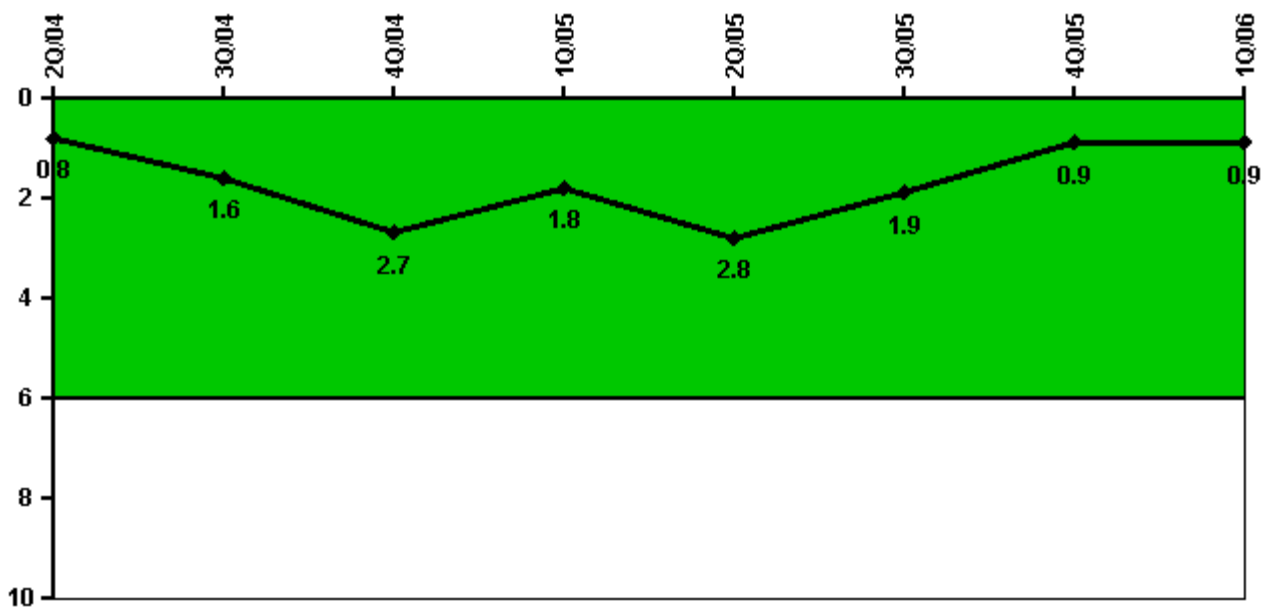
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
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



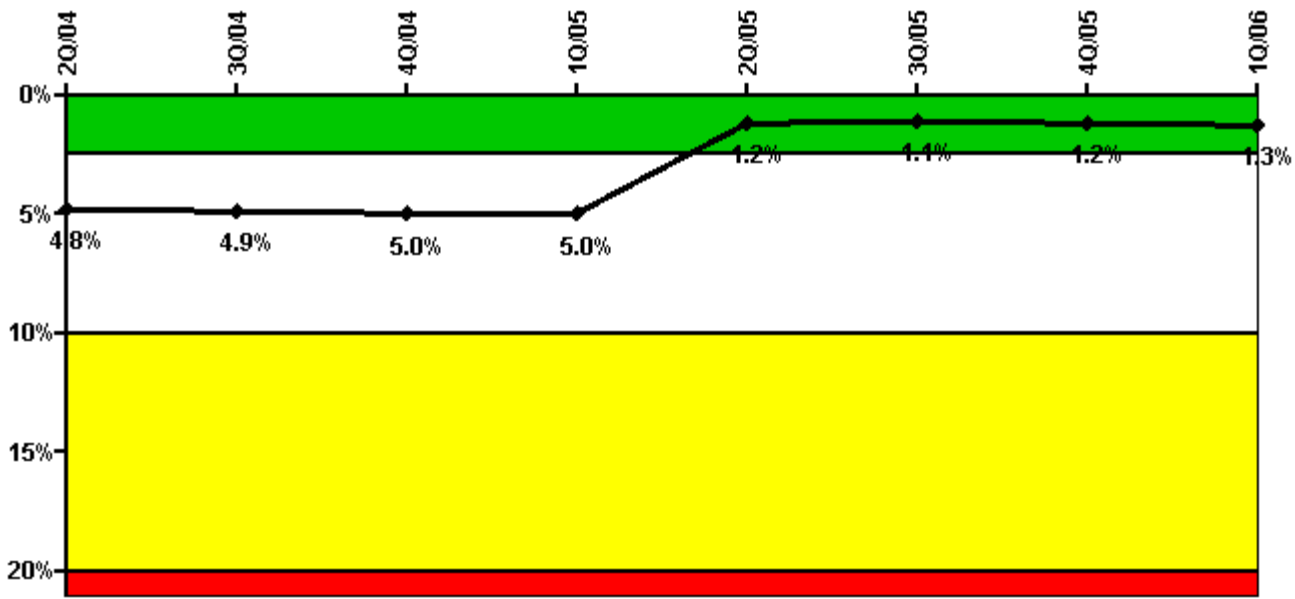
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	1.0	1.0	0	1.0	0	0	0
Critical hours	2183.0	1979.5	1558.7	1884.3	2065.8	1873.7	2209.0	1997.3
<b>Indicator value</b>	<b>0.8</b>	<b>1.6</b>	<b>2.7</b>	<b>1.8</b>	<b>2.8</b>	<b>1.9</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

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



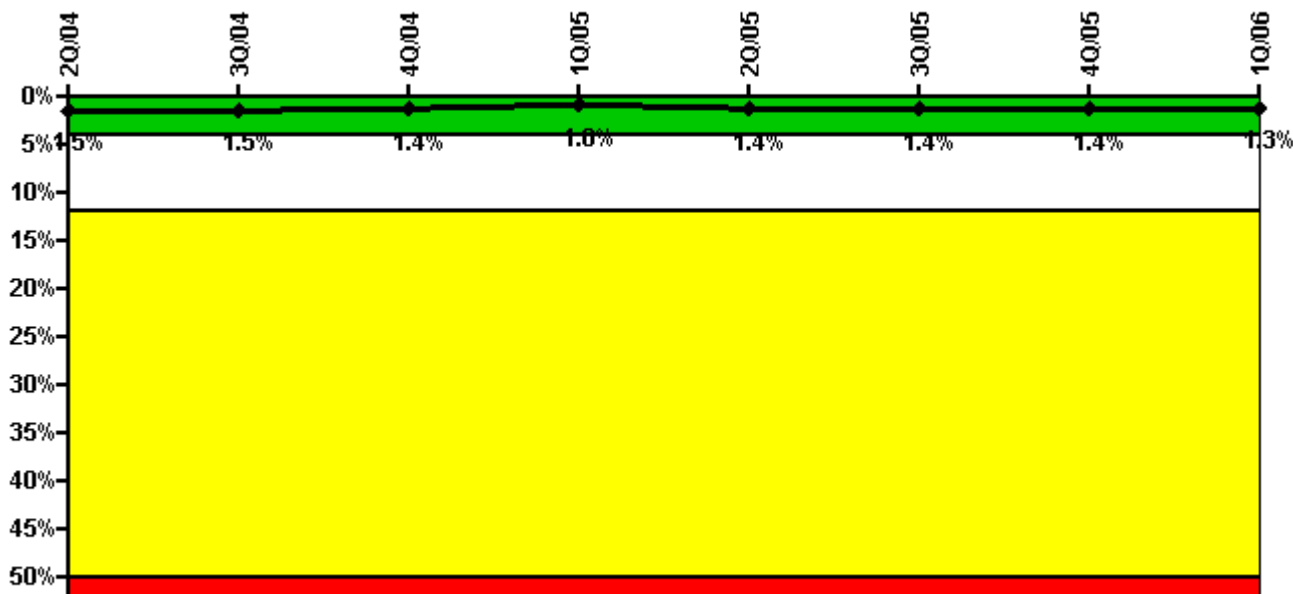
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

#### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	6.70	72.70	19.39	3.18	8.60	26.05	6.20	33.34
Unplanned unavailable hours	1.27	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	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	4.76	61.90	10.91	3.05	14.86	27.37	33.59	28.24
Unplanned unavailable hours	0	86.65	0	0	0	0	0	98.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	3750.04	0	0	0
Required hours	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	4.84	60.78	27.72	5.37	7.42	31.57	31.94	33.42
Unplanned unavailable hours	0	7.12	0	0	0	0	0	0
Fault exposure hours	0	2.72	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 4</b>								
Planned unavailable hours	5.91	53.56	37.28	10.93	10.71	36.60	12.26	28.55
Unplanned unavailable hours	0	7.13	0	9.08	0	14.10	0	9.62
Fault exposure hours	0	2.72	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>4.8%</b>	<b>4.9%</b>	<b>5.0%</b>	<b>5.0%</b>	<b>1.2%</b>	<b>1.1%</b>	<b>1.2%</b>	<b>1.3%</b>

Licensee Comments: none

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



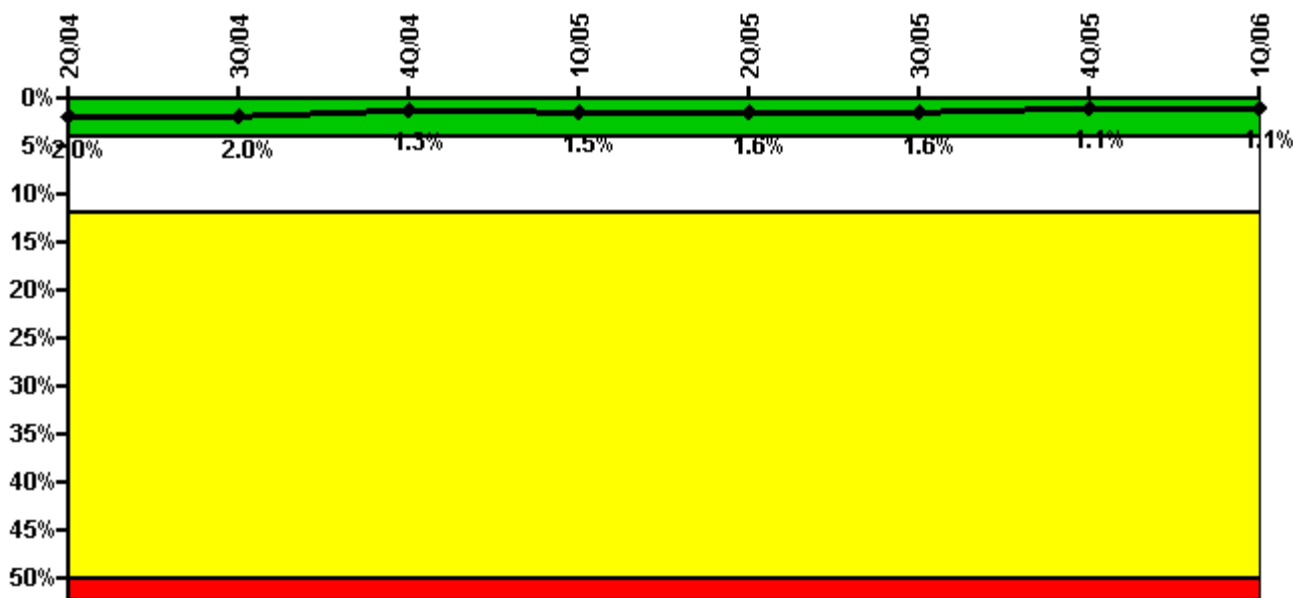
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	73.04	1.92	14.84	2.25	91.30	0.50	2.27	2.80
Unplanned unavailable hours	20.77	0	0	0	27.08	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	1979.47	1558.65	1978.99	2065.78	1873.68	2209.00	1997.25
<b>Indicator value</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.4%</b>	<b>1.0%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.3%</b>

Licensee Comments: none

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



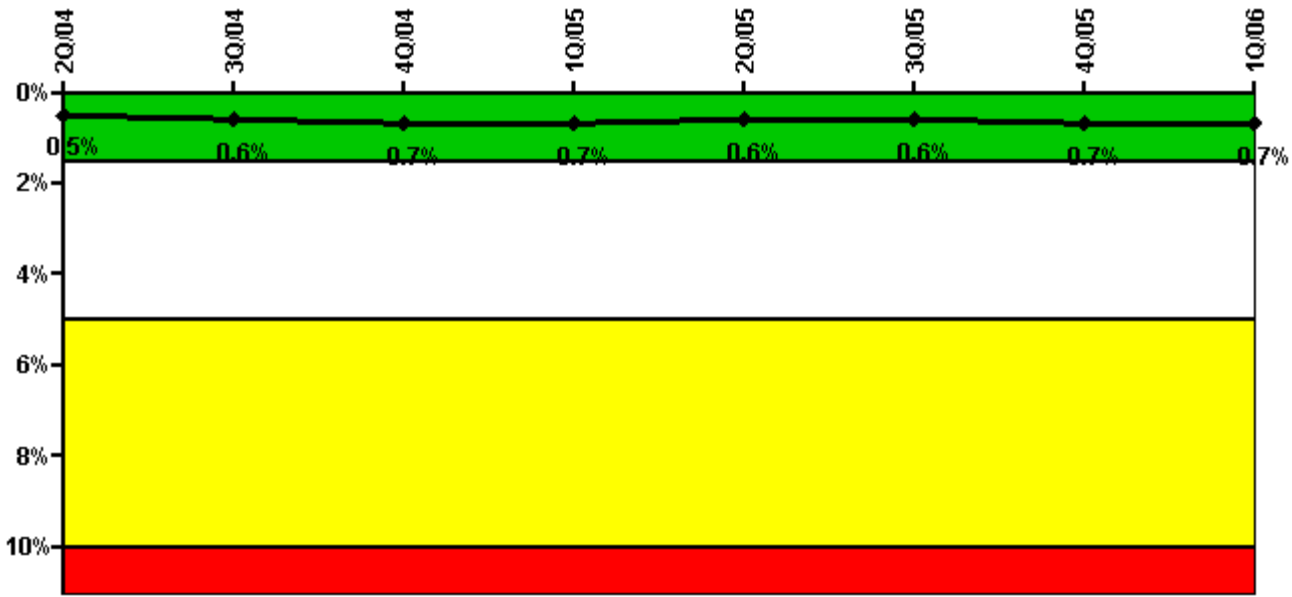
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	1.48	0.71	3.02	83.77	3.30	1.35	1.40	10.95
Unplanned unavailable hours	0	0	0	7.19	15.90	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	1979.47	1558.65	1978.99	2065.78	1873.68	2209.00	1997.25
<b>Indicator value</b>	<b>2.0%</b>	<b>2.0%</b>	<b>1.3%</b>	<b>1.5%</b>	<b>1.6%</b>	<b>1.6%</b>	<b>1.1%</b>	<b>1.1%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



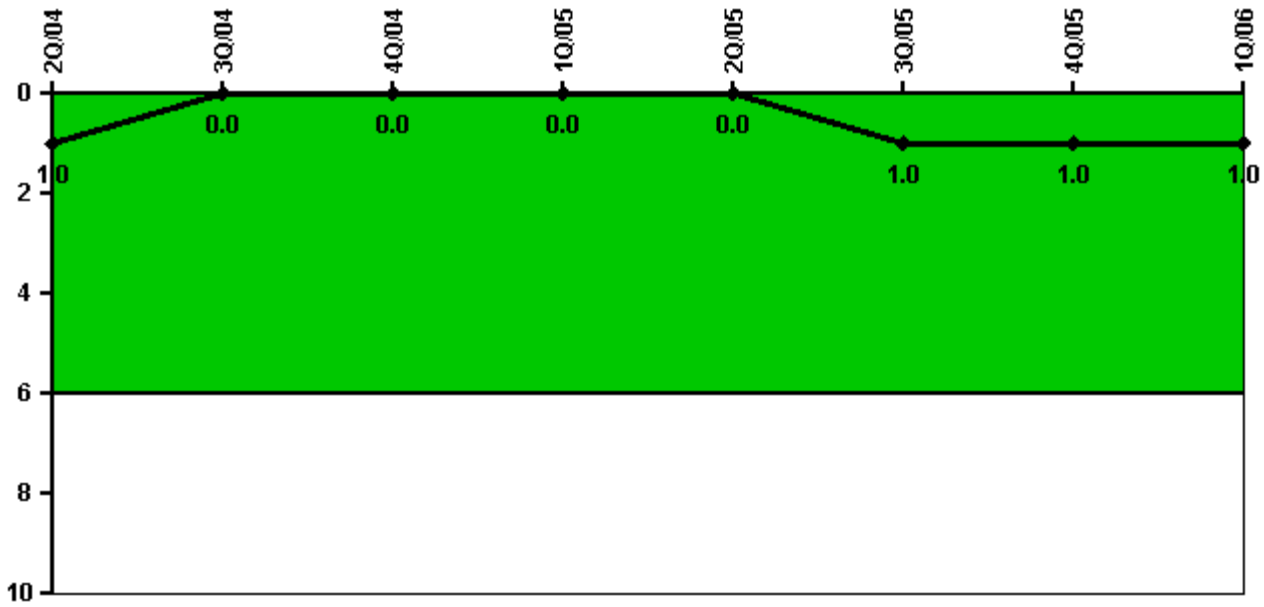
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	0.72	79.35	15.67	0.49	0	32.10	61.57	8.30
Unplanned unavailable hours	0	1.50	0	0	0	0	0.52	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	13.05	23.71	9.60	0	13.80	25.34	0	13.60
Unplanned unavailable hours	0	0	0	13.42	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1416.00
<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>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

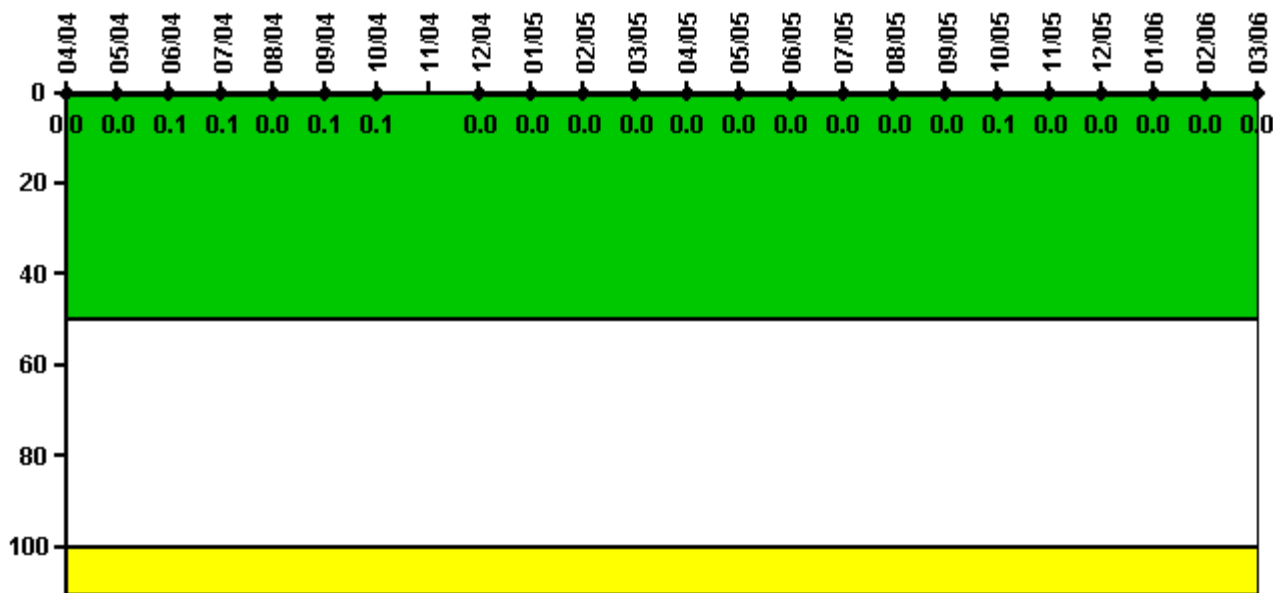
#### Notes

Safety System Functional Failures (BWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	1	0	0	0	0	1	1	1

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

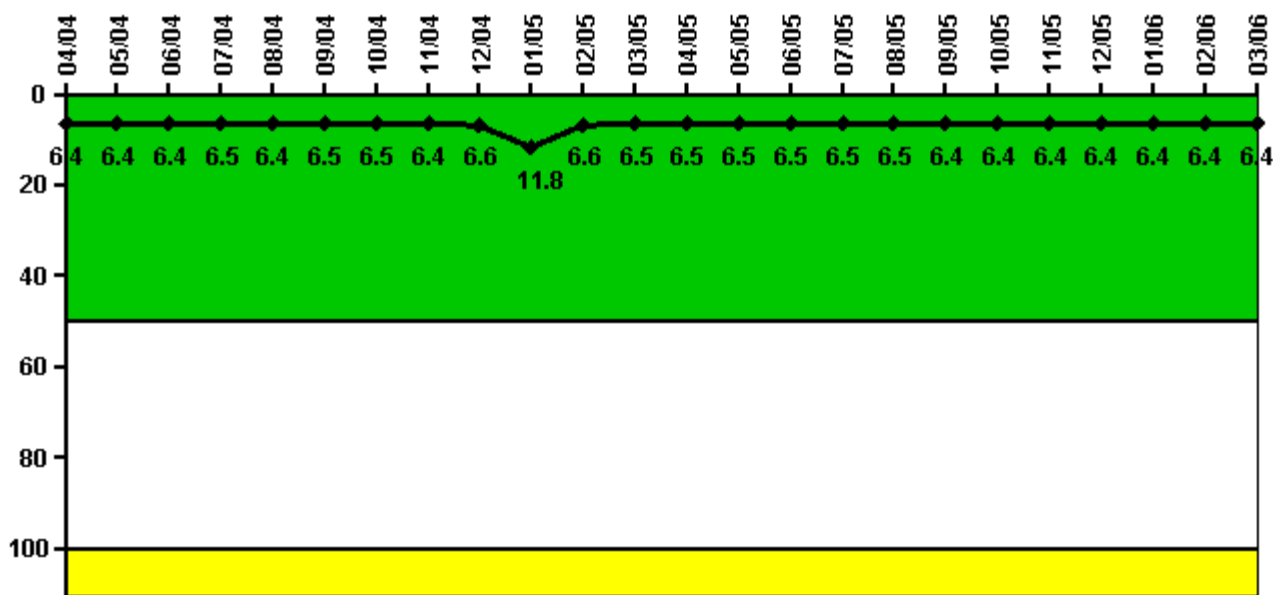
Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	0.000080	0.000076	0.000125	0.000107	0.000071	0.000120	0.000124	N/A	0.000058	0.000099	0.000062	0.000068
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0.1	0.1	0	0.1	0.1	N/A	0	0	0	0

Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0.000091	0.000078	0.000072	0.000079	0.000074	0.000063	0.000100	0.000049	0.000053	0.000054	0.000043	0.000084
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0.1	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

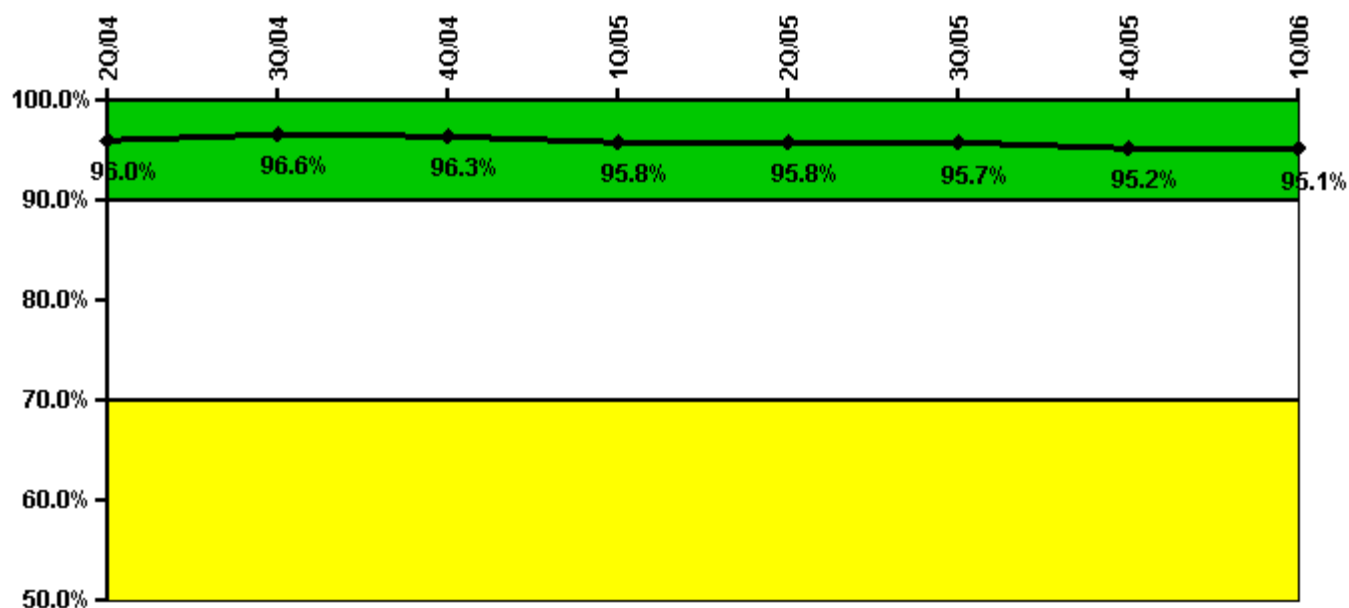
Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	1.600	1.610	1.610	1.620	1.610	1.620	1.620	1.610	1.640	2.940	1.640	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.4	6.4	6.4	6.5	6.4	6.5	6.5	6.4	6.6	11.8	6.6	6.5

Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	1.620	1.620	1.620	1.630	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4

Licensee Comments: none

### Drill/Exercise Performance



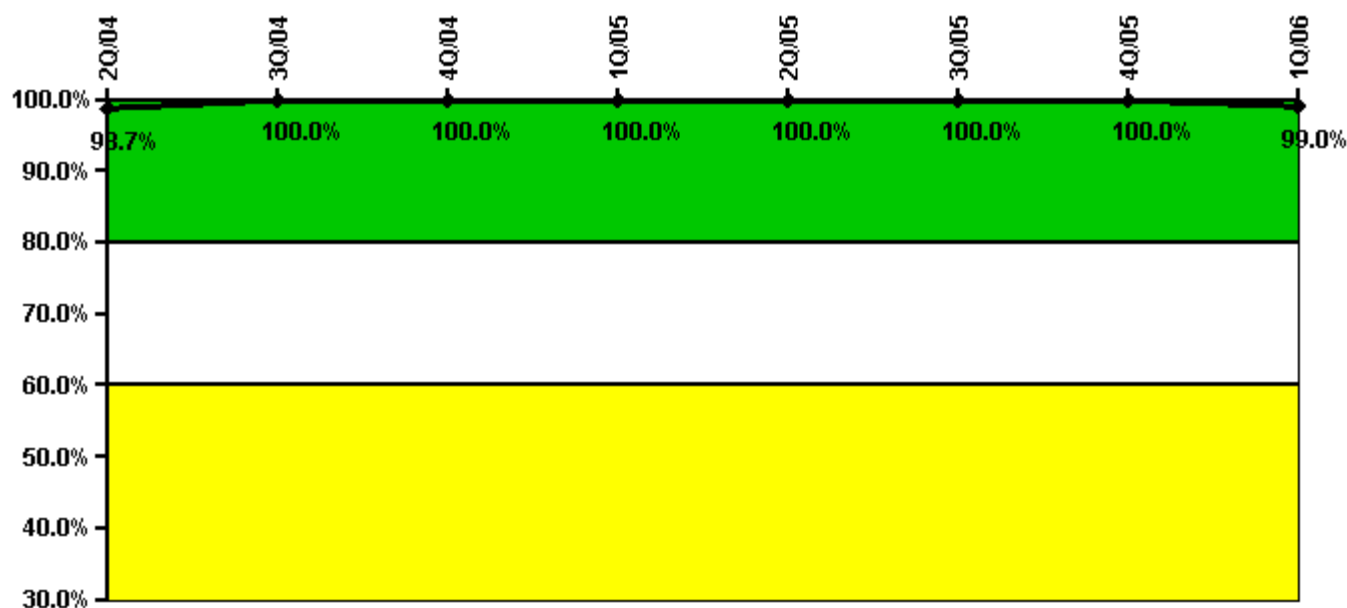
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	52.0	15.0	7.0	34.0	28.0	56.0	30.0	11.0
Total opportunities	53.0	16.0	8.0	36.0	28.0	59.0	33.0	12.0
Indicator value	96.0%	96.6%	96.3%	95.8%	95.8%	95.7%	95.2%	95.1%

Licensee Comments: none

### ERO Drill Participation



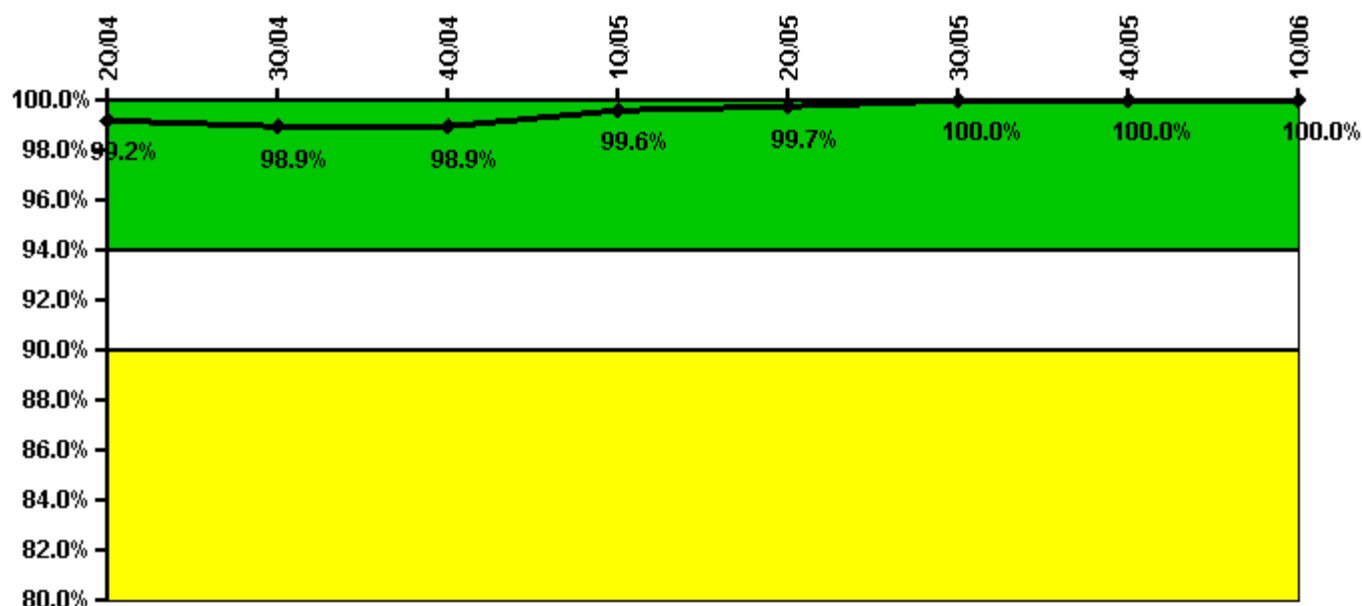
**Thresholds: White < 80.0% Yellow < 60.0%**

**Notes**

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	76.0	82.0	91.0	103.0	105.0	107.0	105.0	102.0
Total Key personnel	77.0	82.0	91.0	103.0	105.0	107.0	105.0	103.0
Indicator value	98.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.0%

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	185	184	186	186	186	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	99.2%	98.9%	98.9%	99.6%	99.7%	100.0%	100.0%	100.0%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
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: May 5, 2006