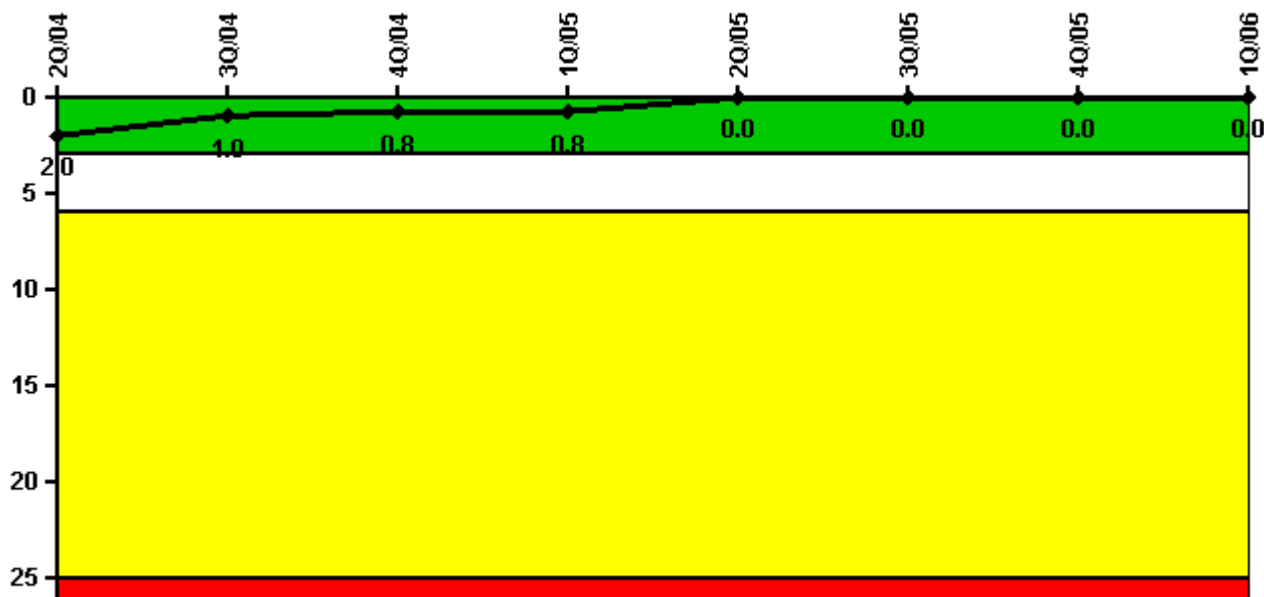


## Surry 2

### 1Q/2006 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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2028.5	2208.0	2209.0	2160.0	1505.8	2208.0	2209.0	2160.0
Indicator value	2.0	1.0	0.8	0.8	0	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



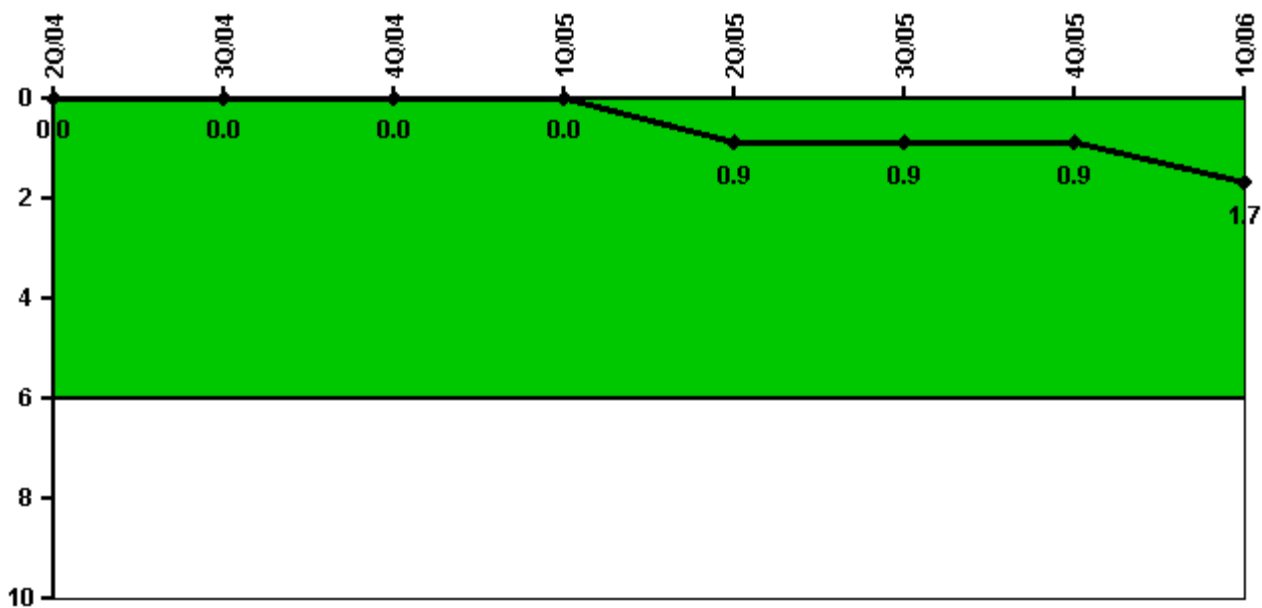
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



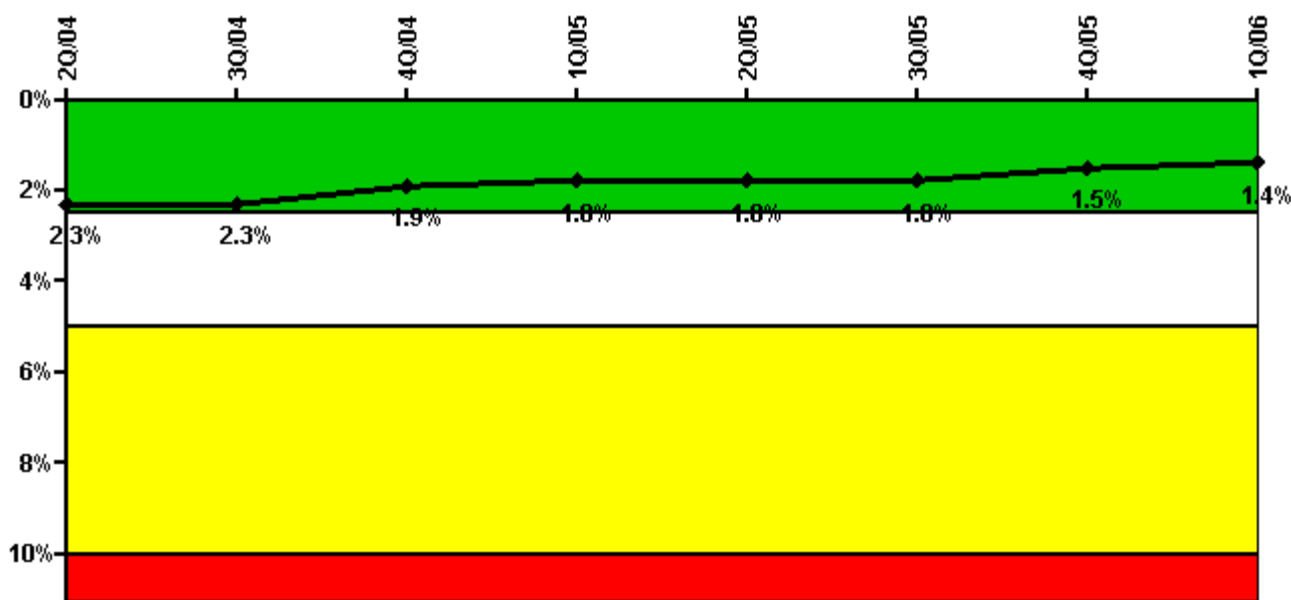
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	0	0	0	1.0	0	0	1.0
Critical hours	2028.5	2208.0	2209.0	2160.0	1505.8	2208.0	2209.0	2160.0
Indicator value	0	0	0	0	0.9	0.9	0.9	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	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	14.02	20.96	12.07	11.62	7.93	8.50	26.00	13.20
Unplanned unavailable hours	2.67	18.87	23.40	0	15.78	0	18.23	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	2112.92	2208.00	2209.00	2160.00	1554.45	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	18.77	21.80	47.30	11.99	7.54	24.07	9.08	17.34
Unplanned unavailable hours	9.23	0	9.00	0	0	0	37.83	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	2112.92	2208.00	2209.00	2160.00	1554.45	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>2.3%</b>	<b>2.3%</b>	<b>1.9%</b>	<b>1.8%</b>	<b>1.8%</b>	<b>1.8%</b>	<b>1.5%</b>	<b>1.4%</b>

Licensee Comments: none

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



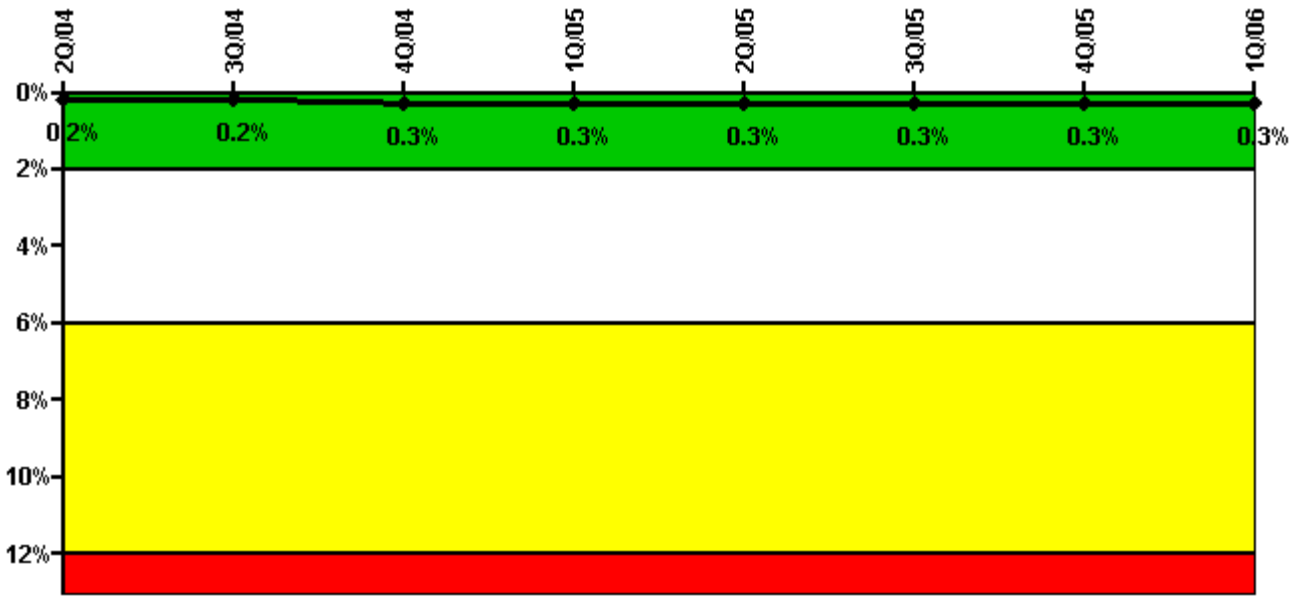
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	1.38	1.20	0	1.58	0	3.50	1.03	3.28
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	2029.00	2208.00	2209.00	2160.00	1506.80	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	3.04	6.96	1.38	4.34	1.15	2.80	9.37	1.02
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	2029.00	2208.00	2209.00	2160.00	1506.80	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>

Licensee Comments: none

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



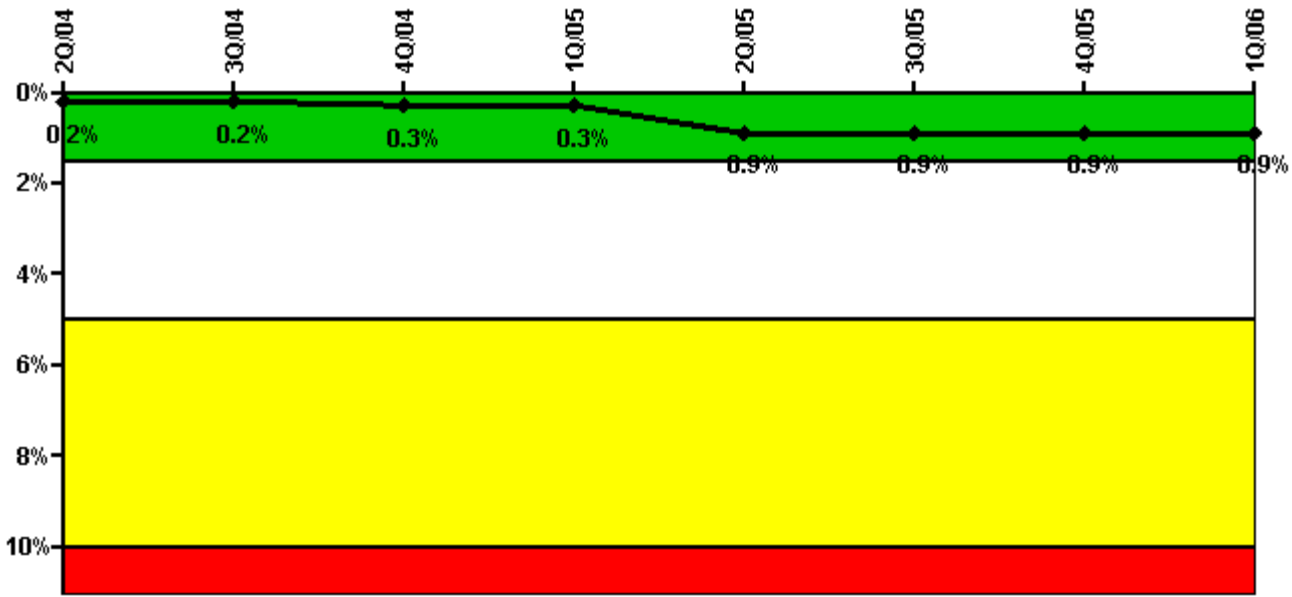
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
<b>Train 1</b>								
Planned unavailable hours	0	1.33	3.28	10.80	0	0.82	0.72	1.40
Unplanned unavailable hours	3.52	0	0	0	0	9.45	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	2113.00	2208.00	2209.00	2160.00	1554.40	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	2.15	1.07	11.55	1.30	1.60	0.83	0.70	0.73
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	2113.00	2208.00	2209.00	2160.00	1554.40	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	5.07	17.37	2.85	23.79	0	6.73	11.78	1.68
Unplanned unavailable hours	8.82	0	47.50	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	2041.70	2208.00	2209.00	2160.00	1551.30	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.3%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



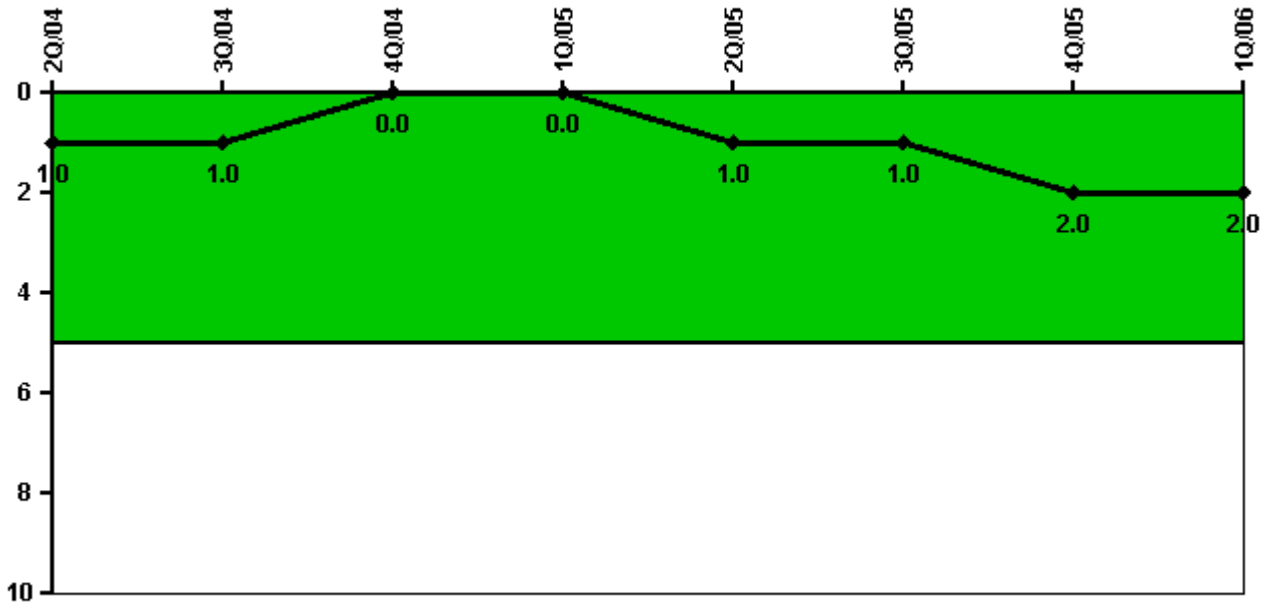
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0.15	14.68	0.82	0.53	7.78	7.92	1.37	9.48
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	2029.00	2208.00	2209.00	2160.00	1506.80	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	13.79	0.75	0.73	1.66	9.69	0.34	0.52	2.16
Unplanned unavailable hours	0	0	66.70	0	0	0	0	0
Fault exposure hours	0	0	0	0	537.70	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2029.00	2208.00	2209.00	2160.00	1506.80	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	0	0	0	0	58.30	0	0	0
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	2208.00	2209.00	2160.00	1975.30	2208.00	2209.00	2160.00
<b>Train 4</b>								
Planned unavailable hours	0	0	0	0	9.28	0	0	0
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	2208.00	2209.00	2160.00	1975.30	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>0.9%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

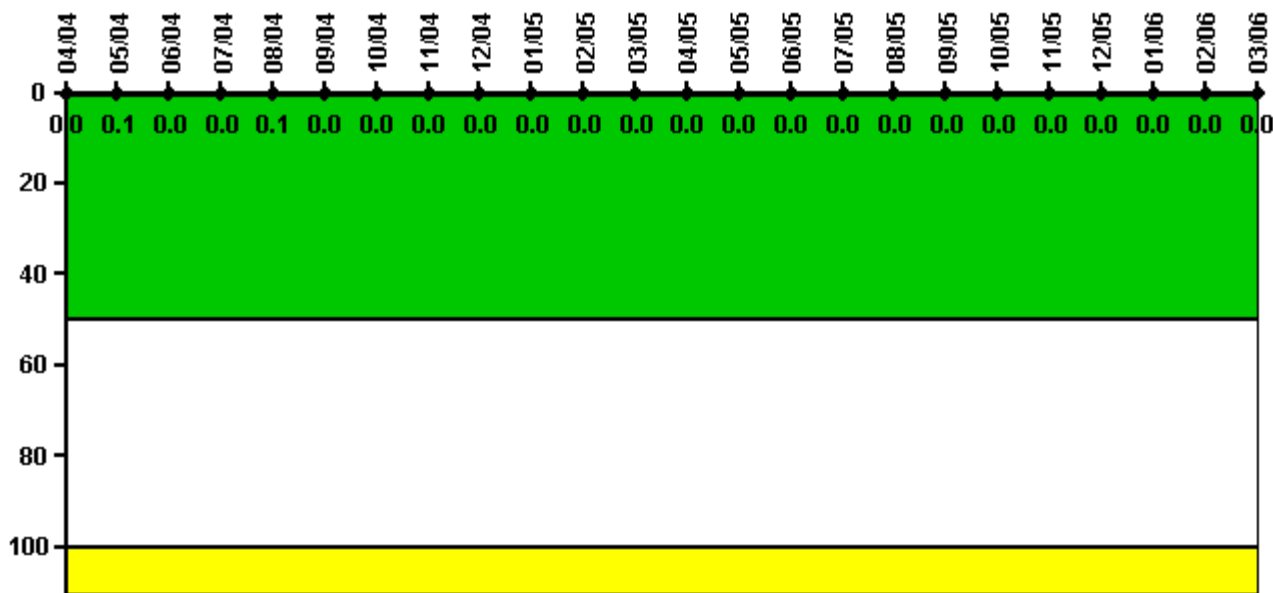
### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



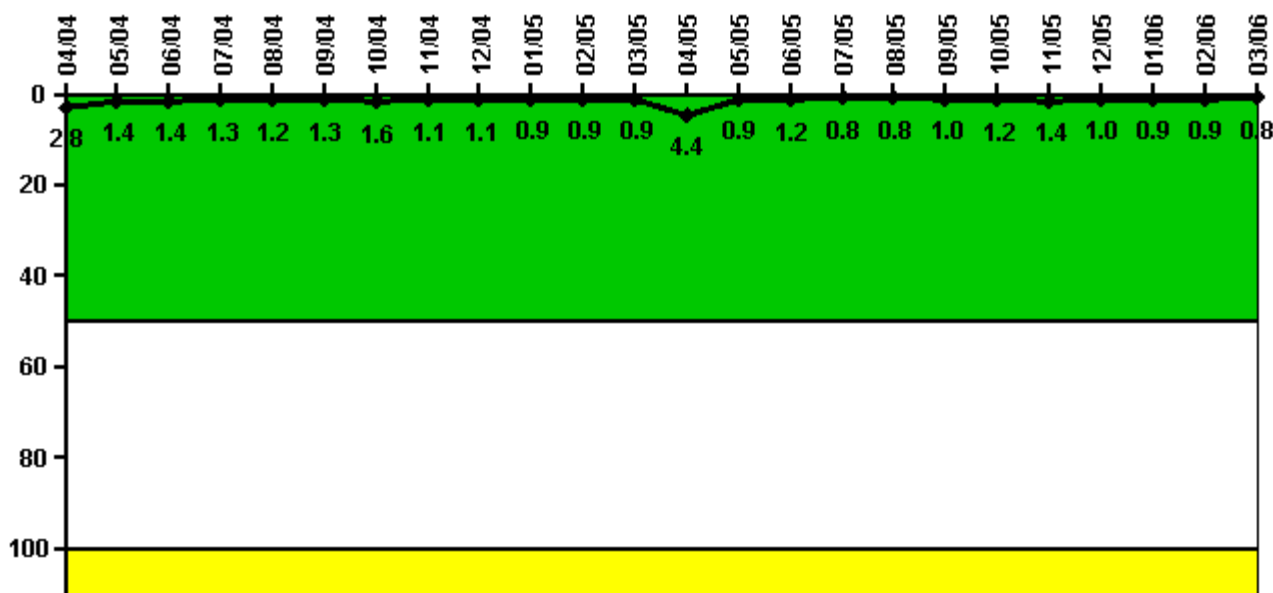
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000345	0.000532	0.000437	0.000343	0.000807	0.000468	0.000352	0.000387	0.000401	0.000390	0.000395	0.000403
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	0.1	0	0	0.1	0	0	0	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	0.000433	0.000313	0.000404	0.000334	0.000326	0.000323	0.000395	0.000358	0.000358	0.000422	0.000347	0.000470
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	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

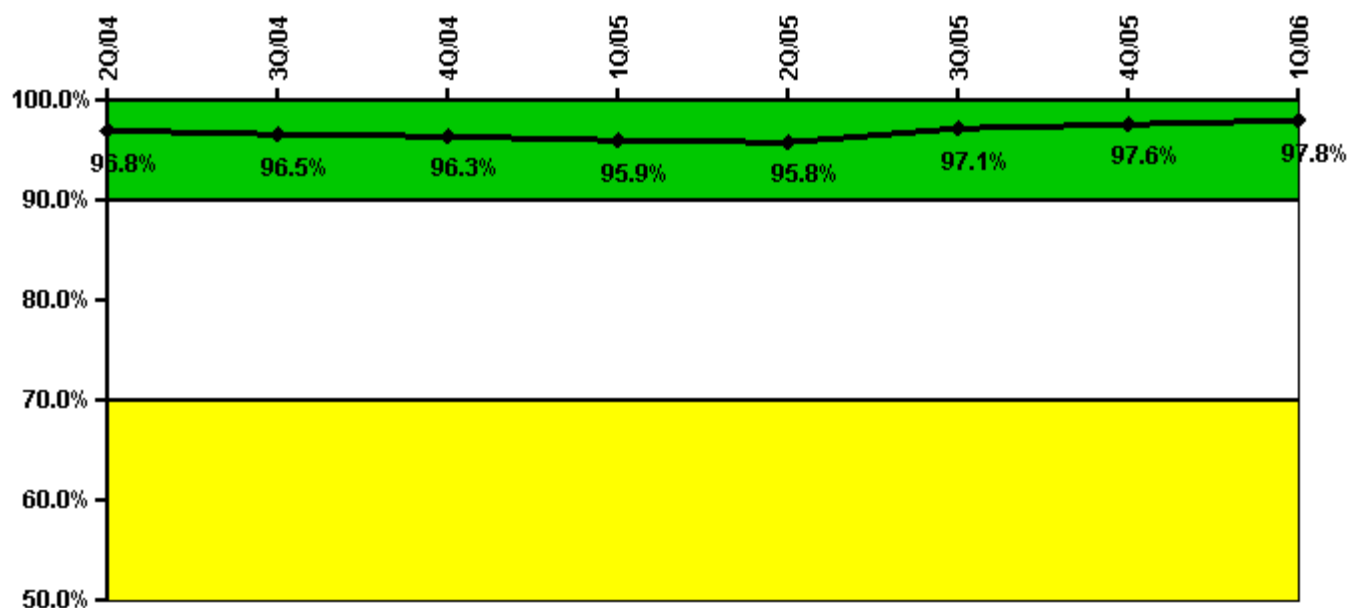
Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.280	0.140	0.140	0.130	0.120	0.130	0.160	0.110	0.110	0.090	0.090	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.8	1.4	1.4	1.3	1.2	1.3	1.6	1.1	1.1	0.9	0.9	0.9

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	0.440	0.090	0.120	0.080	0.080	0.100	0.120	0.140	0.100	0.090	0.090	0.080
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	4.4	0.9	1.2	0.8	0.8	1.0	1.2	1.4	1.0	0.9	0.9	0.8

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

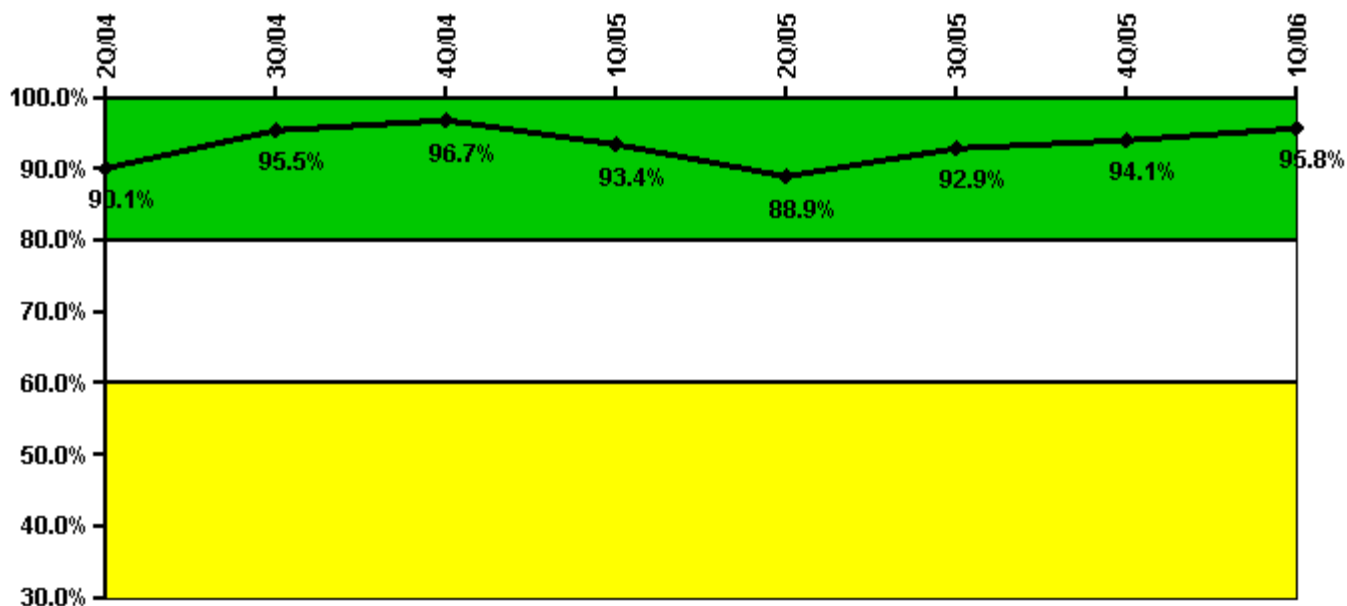
#### Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	12.0	32.0	8.0	19.0	20.0	29.0	27.0	34.0
Total opportunities	13.0	34.0	8.0	20.0	20.0	29.0	27.0	34.0
Indicator value	96.8%	96.5%	96.3%	95.9%	95.8%	97.1%	97.6%	97.8%

Licensee Comments:

1Q/06: One Drill/Exercise opportunity for February is not included in this report and is under review by the NRC as referenced in NRC Report 2006-008.

### ERO Drill Participation



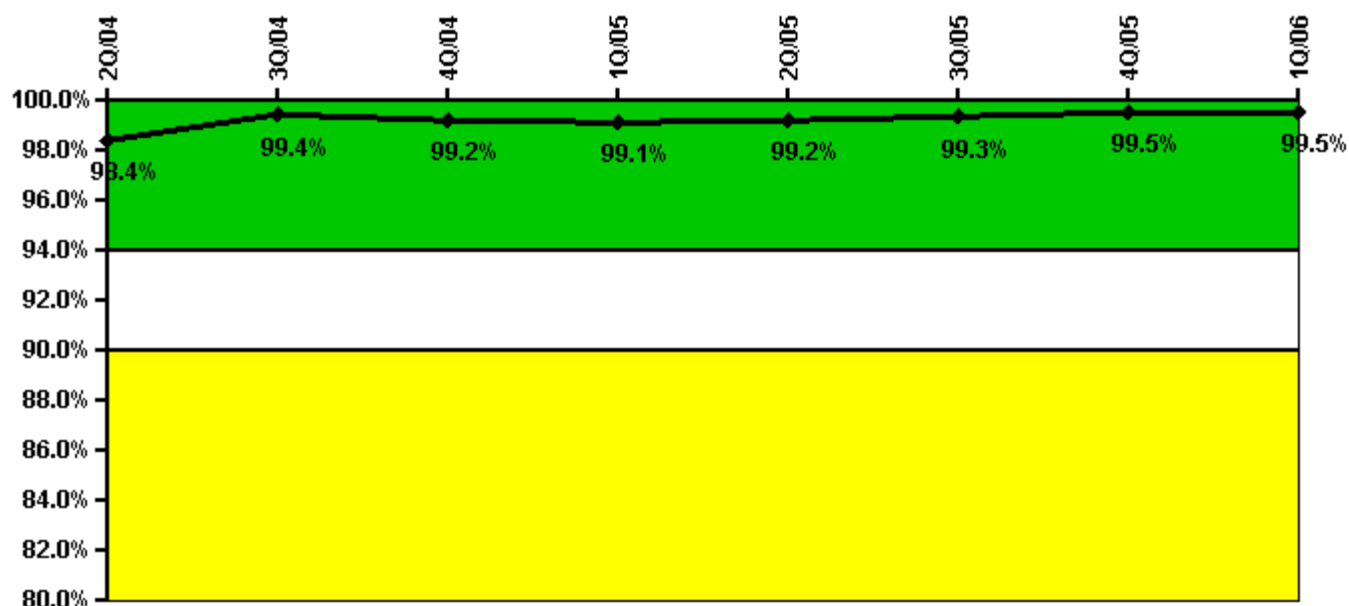
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	145.0	150.0	148.0	142.0	136.0	144.0	144.0	137.0
Total Key personnel	161.0	157.0	153.0	152.0	153.0	155.0	153.0	143.0
Indicator value	90.1%	95.5%	96.7%	93.4%	88.9%	92.9%	94.1%	95.8%

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	533	532	461	534	475	541	472	542
Total sirens-tests	536	536	469	537	476	544	476	544
Indicator value	98.4%	99.4%	99.2%	99.1%	99.2%	99.3%	99.5%	99.5%

Licensee Comments:

1Q/06: During review of 4th quarter 2005 data, it was discovered that data for one siren was inaccurate. Data was corrected with no change in color.

### 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