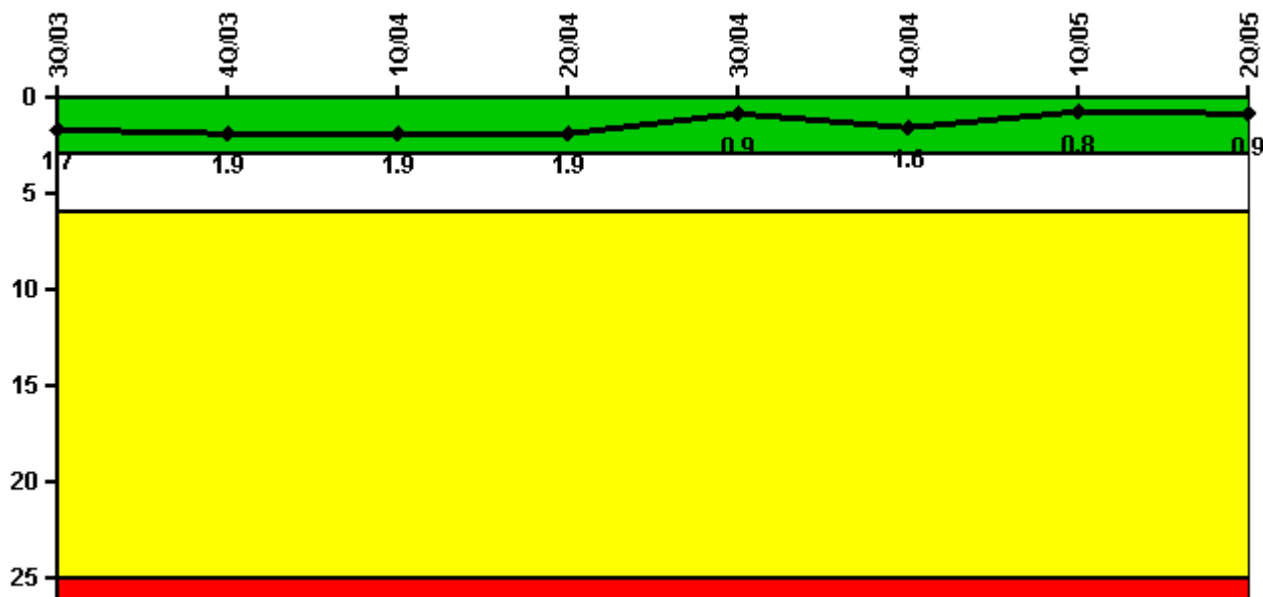


# Catawba 1

## 2Q/2005 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



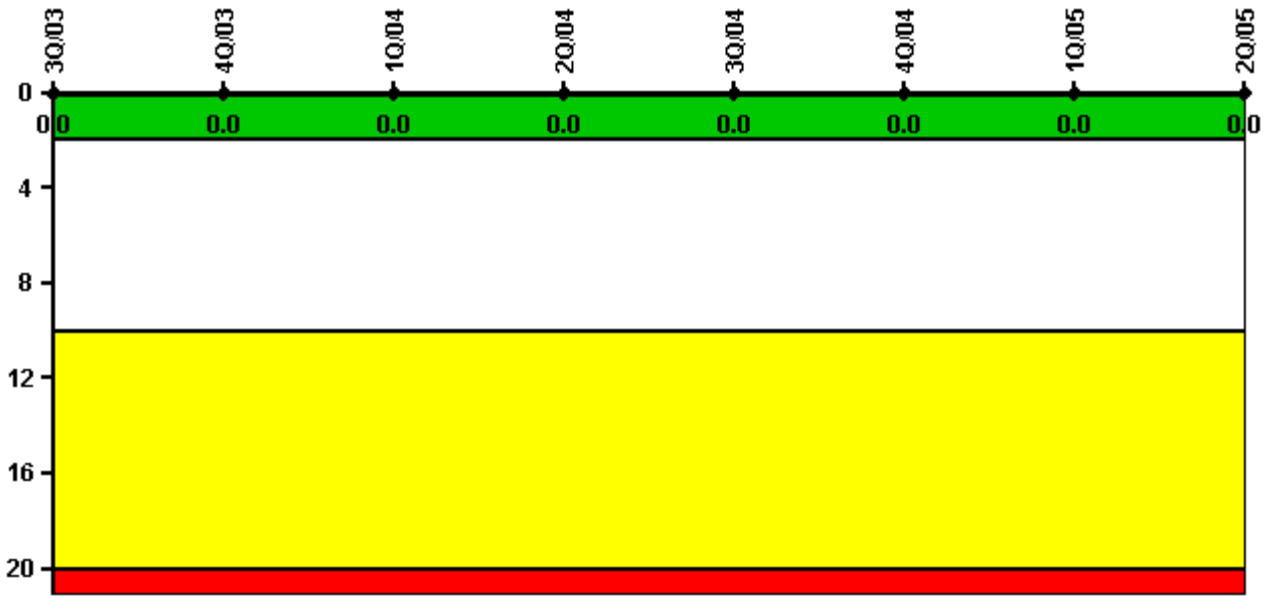
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	1.0	0	1.0	0	0	1.0	0	0
Critical hours	1944.7	1226.8	2074.1	2183.0	2208.0	2179.6	2160.0	1482.4
Indicator value	1.7	1.9	1.9	1.9	0.9	1.6	0.8	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



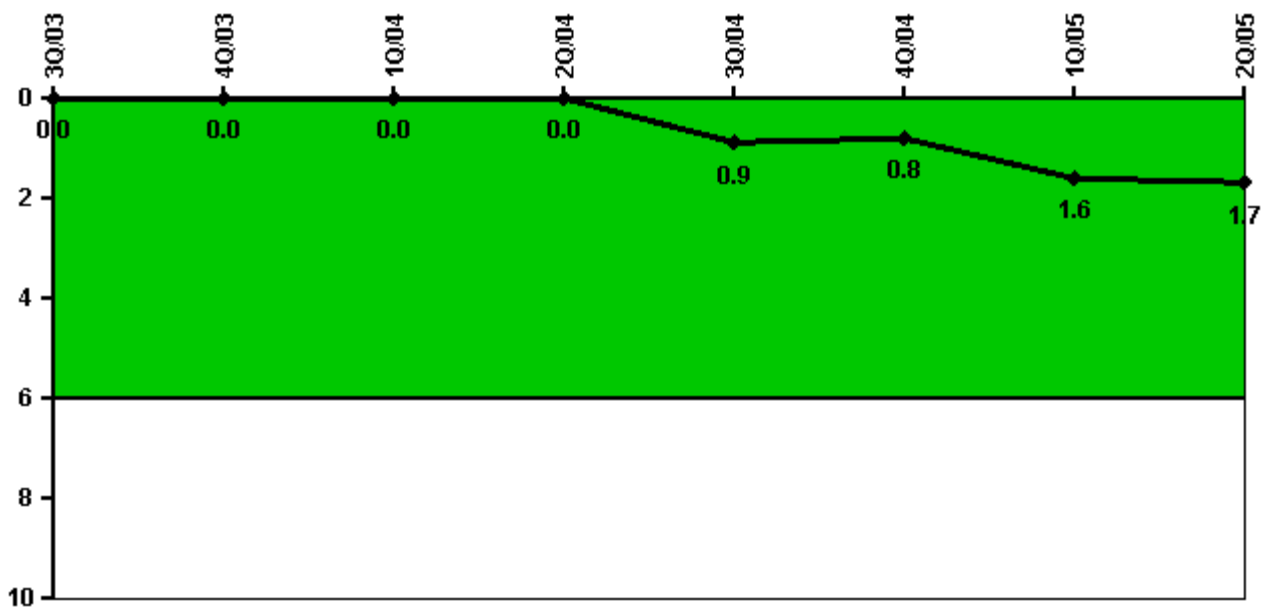
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

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



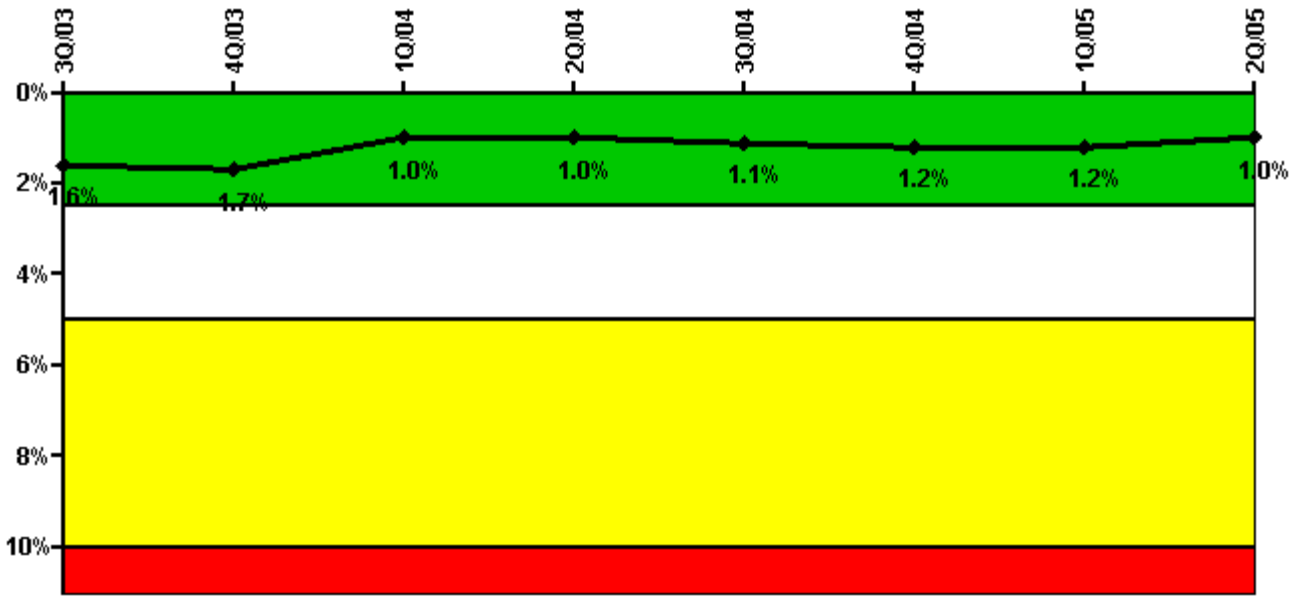
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	1944.7	1226.8	2074.1	2183.0	2208.0	2179.6	2160.0	1482.4
Indicator value	0	0	0	0	0.9	0.8	1.6	1.7

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



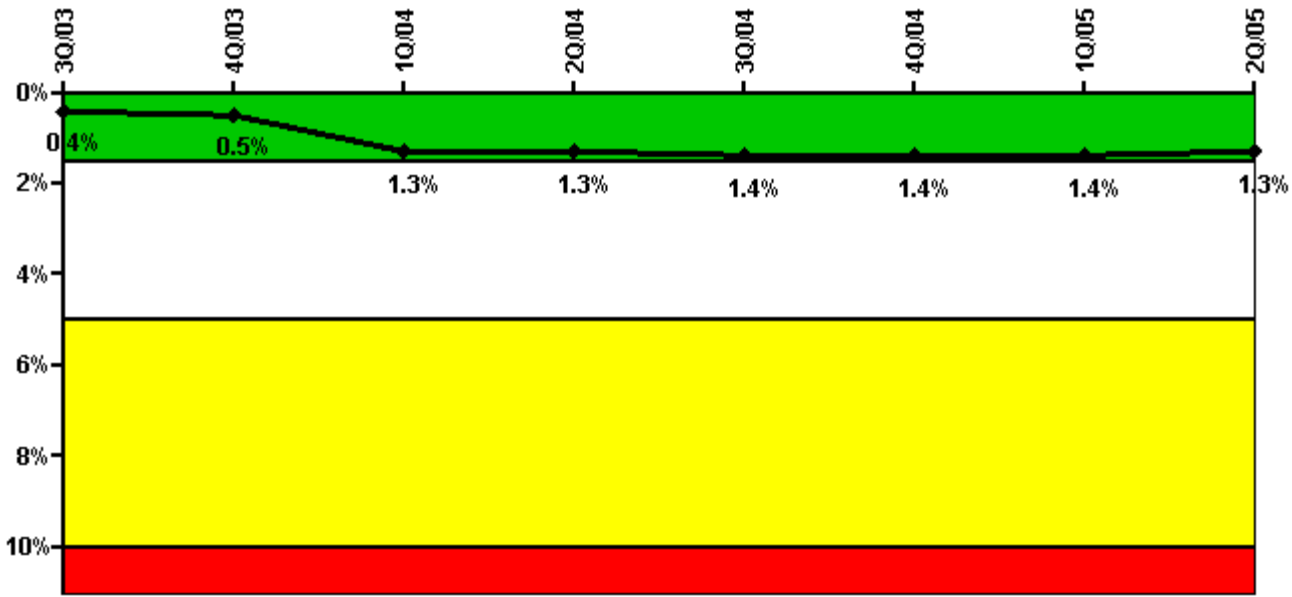
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	60.17	3.58	1.93	11.73	29.66	36.90	30.75	0
Unplanned unavailable hours	0	0	16.28	5.37	0	0	0	40.62
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	1.82	38.85	3.69	1.87	33.01	3.62	28.18	3.57
Unplanned unavailable hours	0	5.65	0	0	0	0	3.45	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	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	1416.00	2183.00
<b>Indicator value</b>	<b>1.6%</b>	<b>1.7%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.0%</b>

Licensee Comments: none

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



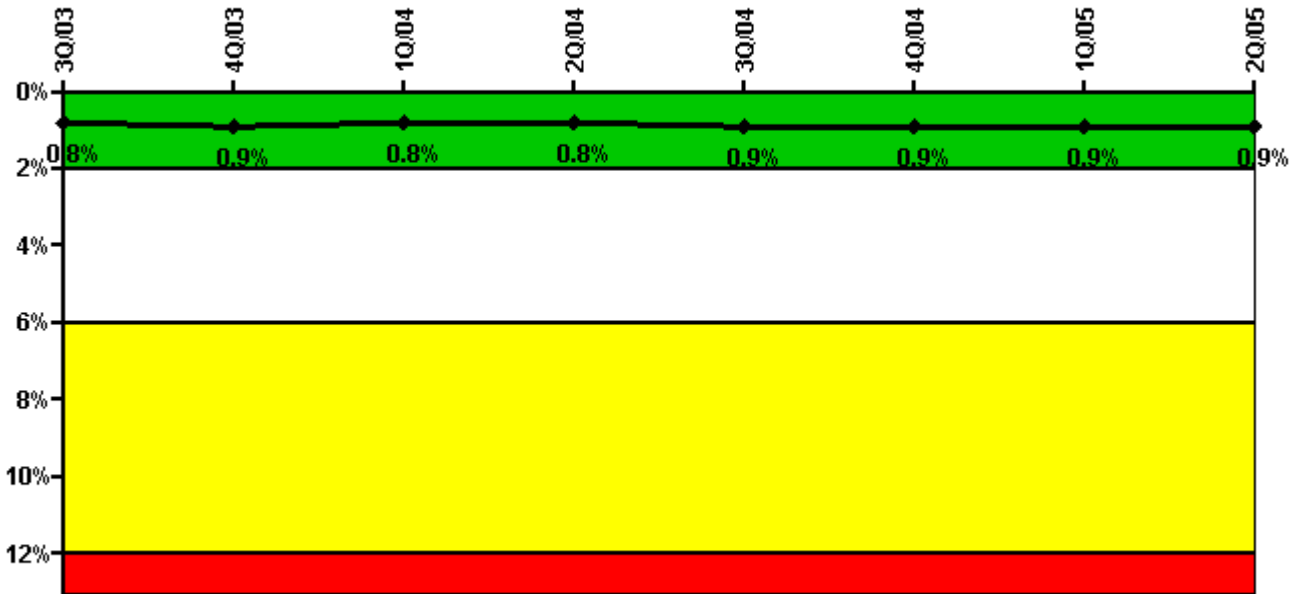
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	5.25	3.58	27.90	4.96	14.20	3.21	19.58	0.25
Unplanned unavailable hours	0	0	165.70	0	0	0	0	0
Fault exposure hours	0	0	159.70	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38
<b>Train 2</b>								
Planned unavailable hours	13.75	2.25	9.19	4.02	17.03	10.21	2.54	3.76
Unplanned unavailable hours	0	3.50	0	0	0	0	3.45	0
Fault exposure hours	0	0	157.70	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38
<b>Train 3</b>								
Planned unavailable hours	20.28	3.58	1.93	4.66	18.96	2.75	2.95	0
Unplanned unavailable hours	0	0	165.70	0	0	0	0	0
Fault exposure hours	0	0	159.70	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38
<b>Train 4</b>								
Planned unavailable hours	1.82	10.17	3.69	3.54	16.61	20.34	1.93	3.57
Unplanned unavailable hours	0	3.50	0	0	0	0	3.45	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	1944.70	1226.90	2074.10	2183.00	2208.00	2179.60	2160.00	1482.38
<b>Indicator value</b>	<b>0.4%</b>	<b>0.5%</b>	<b>1.3%</b>	<b>1.3%</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 (AFW)



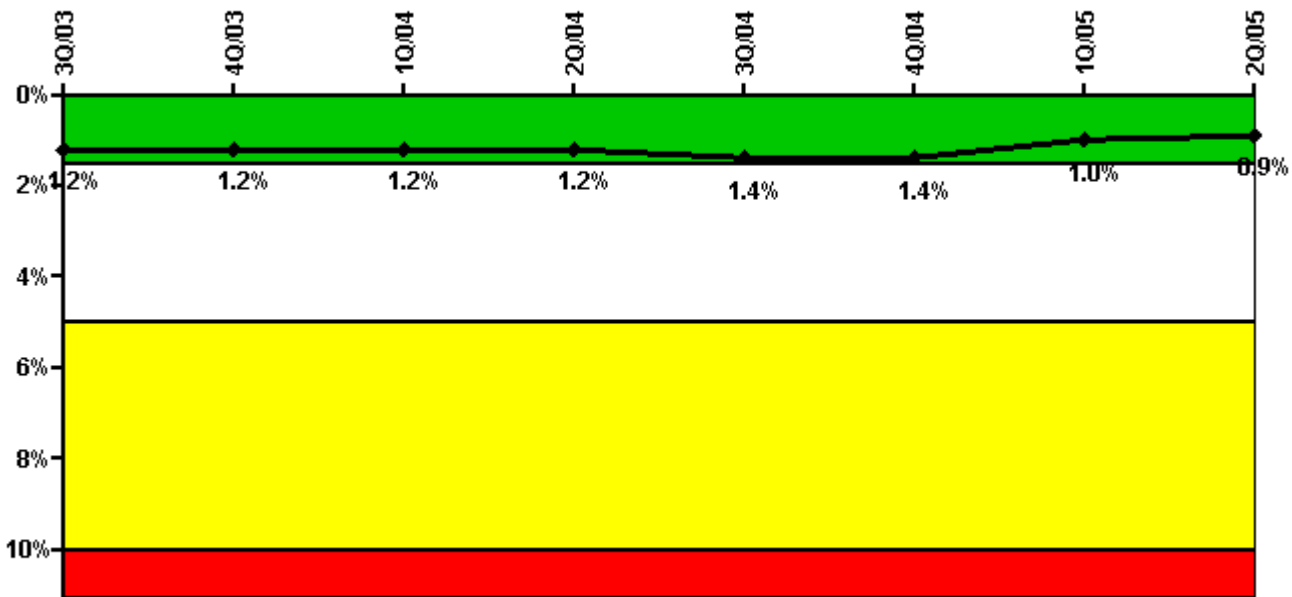
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	34.44	6.08	4.03	11.11	28.88	31.58	16.55	0.25
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	2133.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43
<b>Train 2</b>								
Planned unavailable hours	3.64	3.32	11.72	12.08	61.90	3.87	19.45	4.40
Unplanned unavailable hours	0	3.50	0	0	0	0	3.45	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	2133.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43
<b>Train 3</b>								
Planned unavailable hours	12.70	16.55	2.18	10.50	5.53	13.73	16.88	7.83
Unplanned unavailable hours	6.70	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	2133.30	1300.40	2184.00	2183.00	2208.00	2209.00	2160.00	1514.43
<b>Indicator value</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>0.9%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



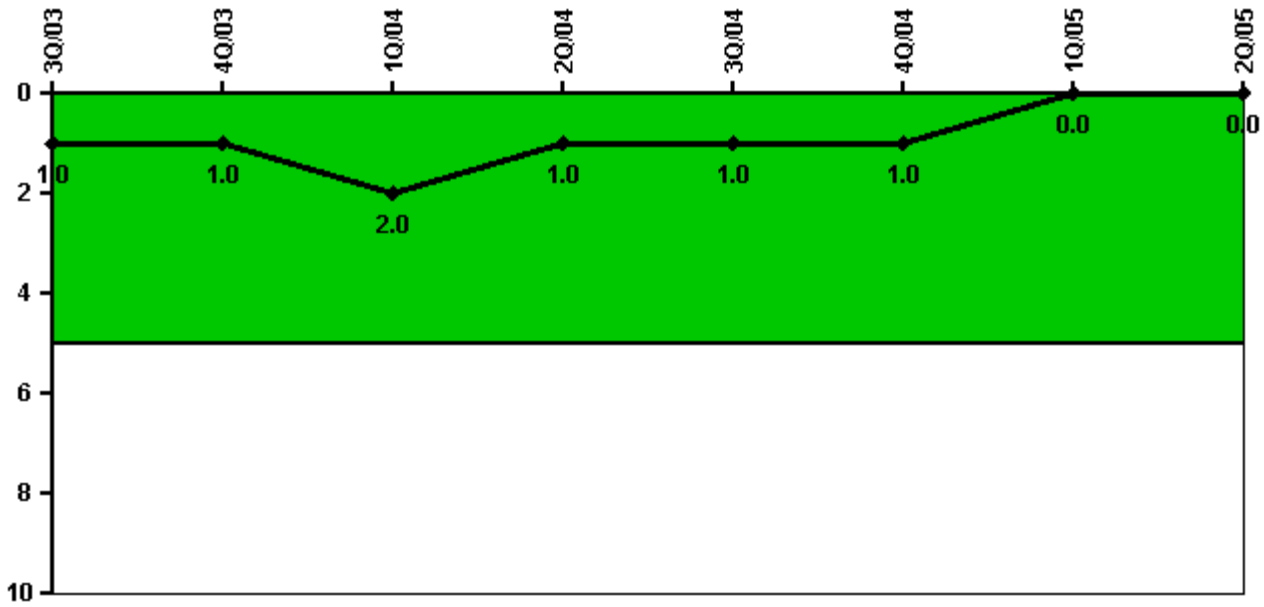
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
<b>Train 1</b>								
Planned unavailable hours	32.53	3.58	2.30	21.23	28.94	31.74	3.26	0.34
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	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	3.04	3.80	3.99	20.90	69.45	3.91	2.20	3.87
Unplanned unavailable hours	0	3.50	0	0	0	0	3.45	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	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Indicator value</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.2%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.0%</b>	<b>0.9%</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

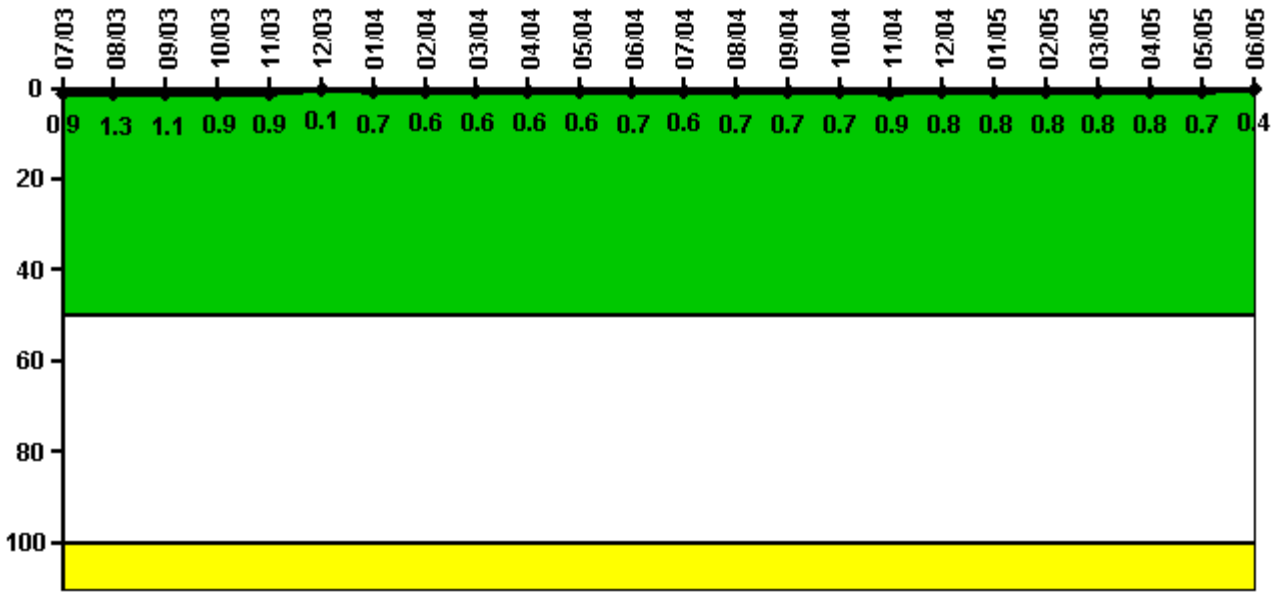
#### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



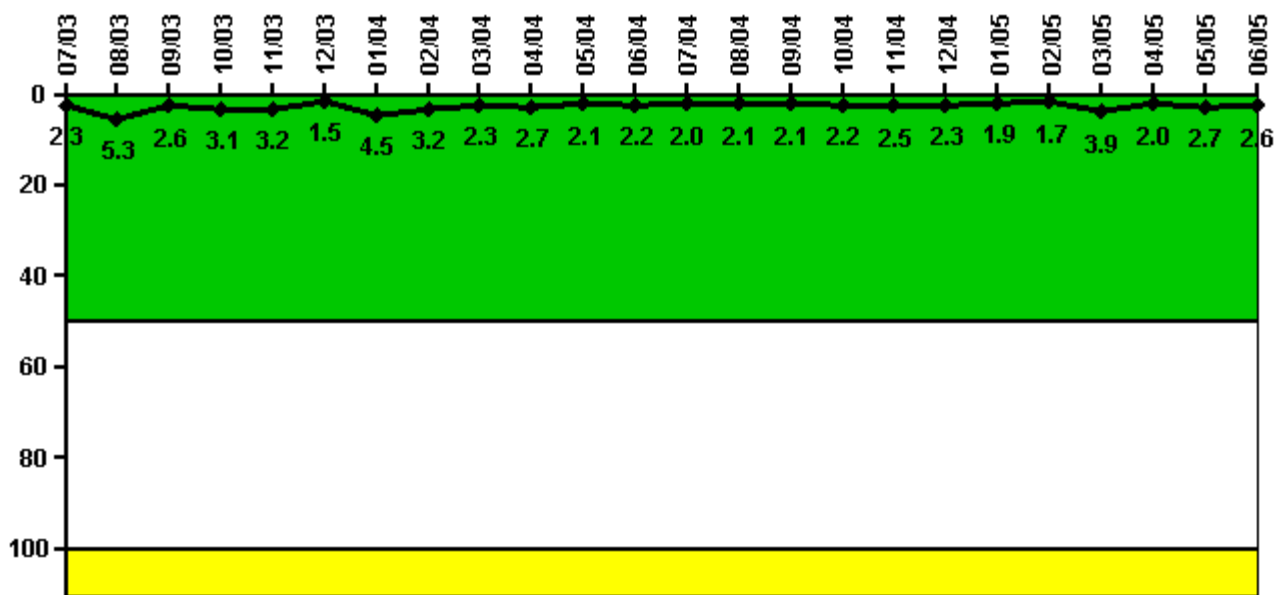
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000580	0.000844	0.000700	0.000567	0.000561	0.000094	0.000454	0.000388	0.000364	0.000376	0.000407	0.000427
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
<b>Indicator value</b>	<b>0.9</b>	<b>1.3</b>	<b>1.1</b>	<b>0.9</b>	<b>0.9</b>	<b>0.1</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>
Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.000413	0.000435	0.000464	0.000461	0.000560	0.000503	0.000515	0.000504	0.000530	0.000532	0.000467	0.000246
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
<b>Indicator value</b>	<b>0.6</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.4</b>

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

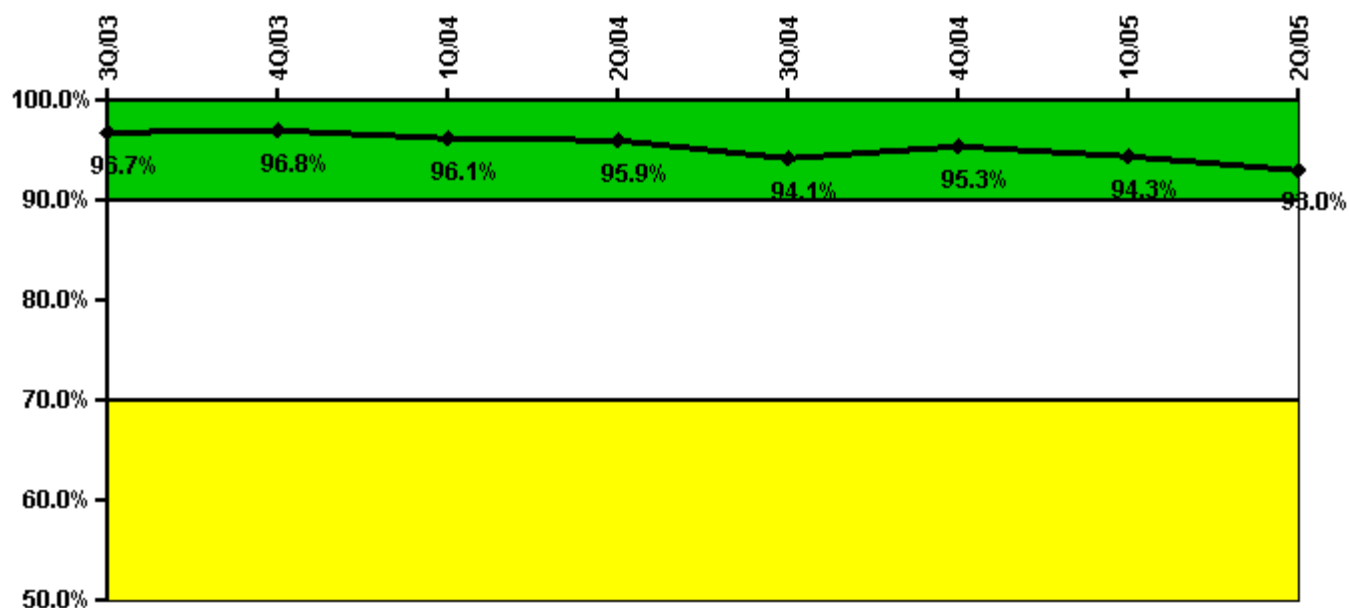
Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.232	0.532	0.262	0.312	0.323	0.145	0.447	0.319	0.229	0.271	0.214	0.217
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.3	5.3	2.6	3.1	3.2	1.5	4.5	3.2	2.3	2.7	2.1	2.2

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.195	0.208	0.211	0.217	0.253	0.228	0.189	0.172	0.385	0.198	0.267	0.262
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	2.0	2.1	2.1	2.2	2.5	2.3	1.9	1.7	3.9	2.0	2.7	2.6

Licensee Comments: none

### Drill/Exercise Performance



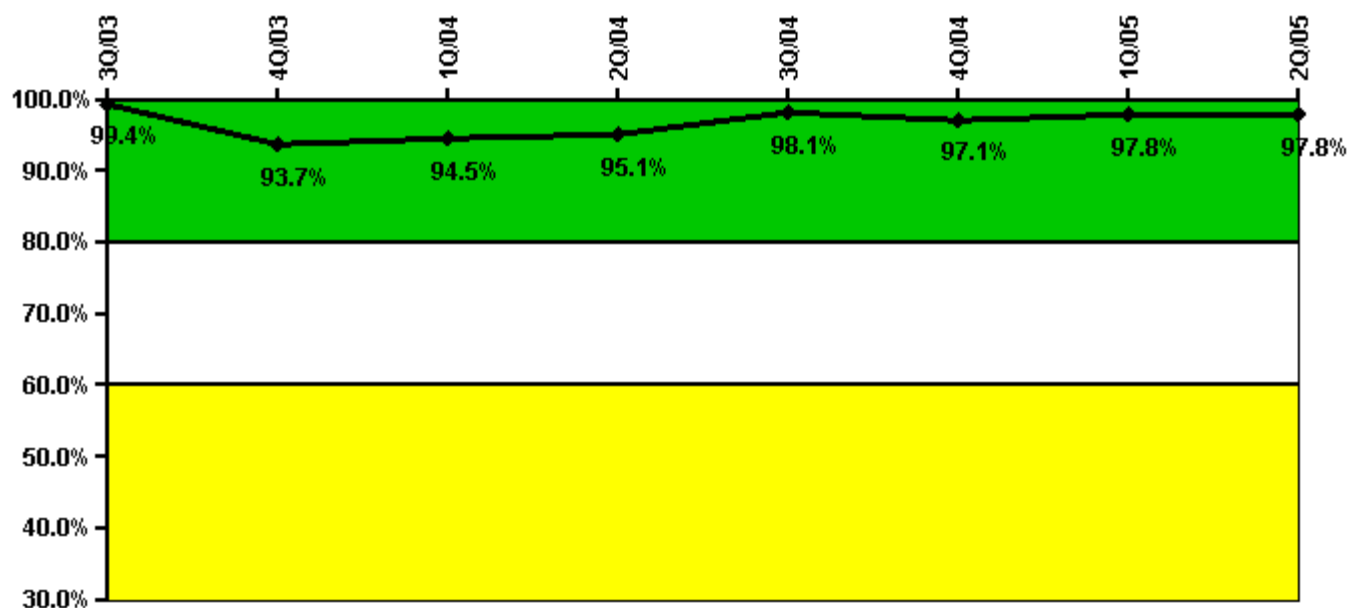
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	80.0	22.0	25.0	19.0	66.0	15.0	56.0	8.0
Total opportunities	82.0	22.0	28.0	20.0	76.0	15.0	62.0	8.0
Indicator value	96.7%	96.8%	96.1%	95.9%	94.1%	95.3%	94.3%	93.0%

Licensee Comments: none

### ERO Drill Participation



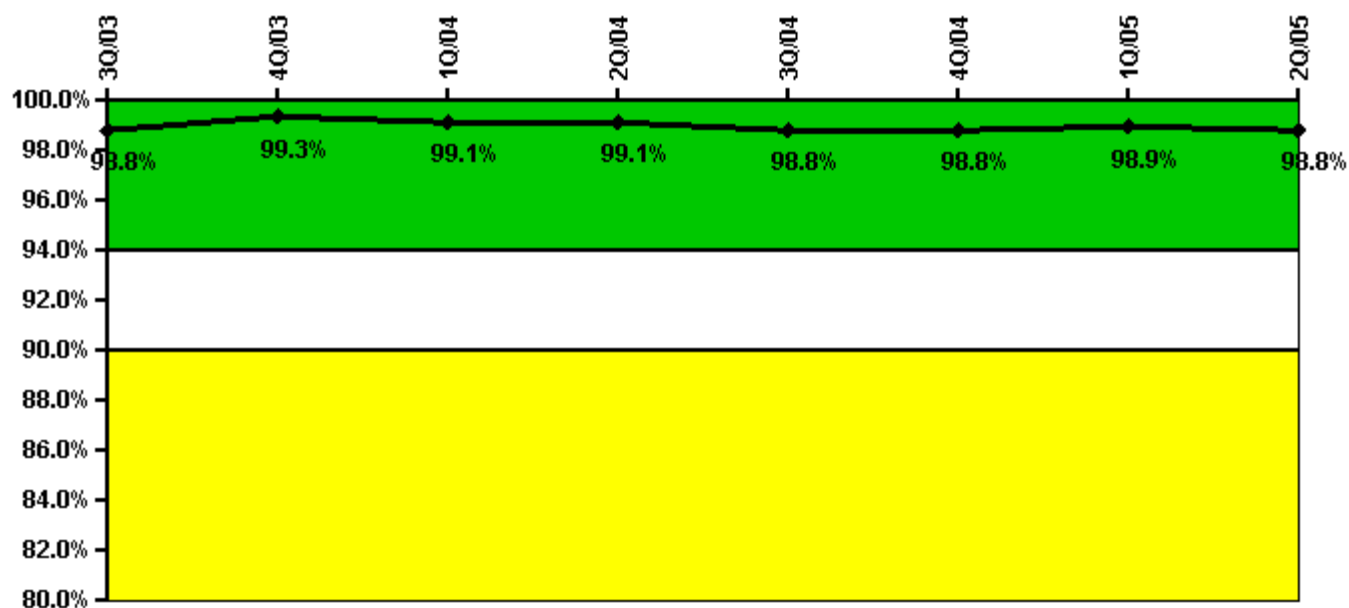
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	159.0	149.0	154.0	154.0	156.0	133.0	134.0	133.0
Total Key personnel	160.0	159.0	163.0	162.0	159.0	137.0	137.0	136.0
Indicator value	99.4%	93.7%	94.5%	95.1%	98.1%	97.1%	97.8%	97.8%

Licensee Comments: none

### Alert & Notification System



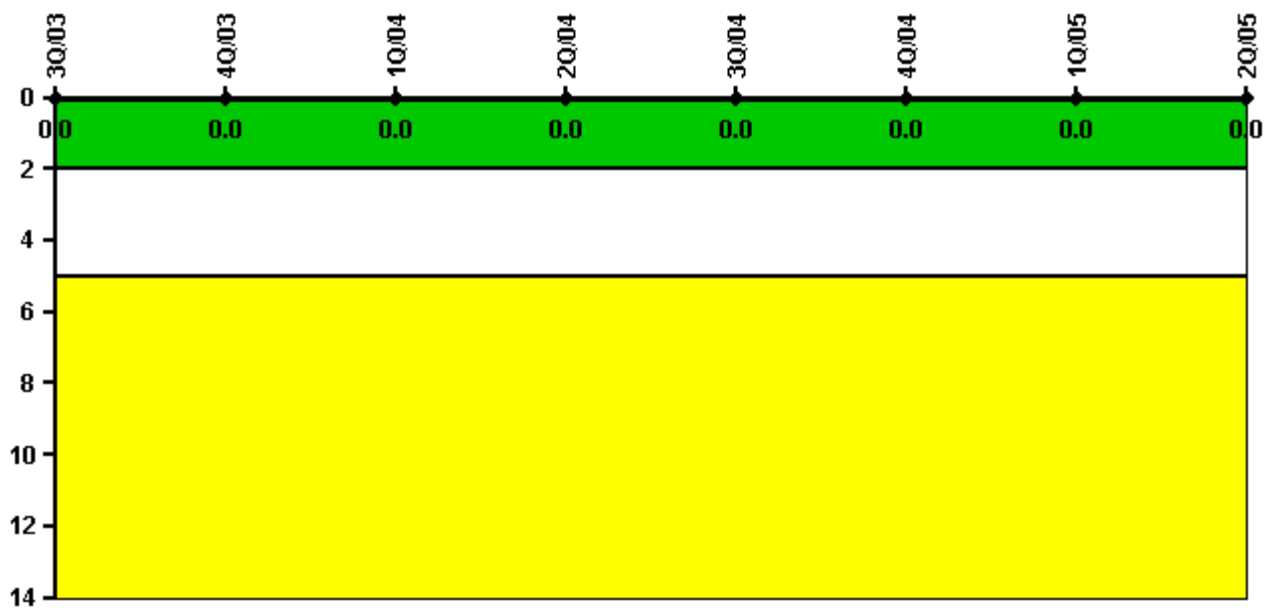
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	2457	2375	2383	2384	2494	2394	2391	2376
Total sirens-tests	2492	2388	2403	2403	2560	2403	2403	2403
Indicator value	98.8%	99.3%	99.1%	99.1%	98.8%	98.8%	98.9%	98.8%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



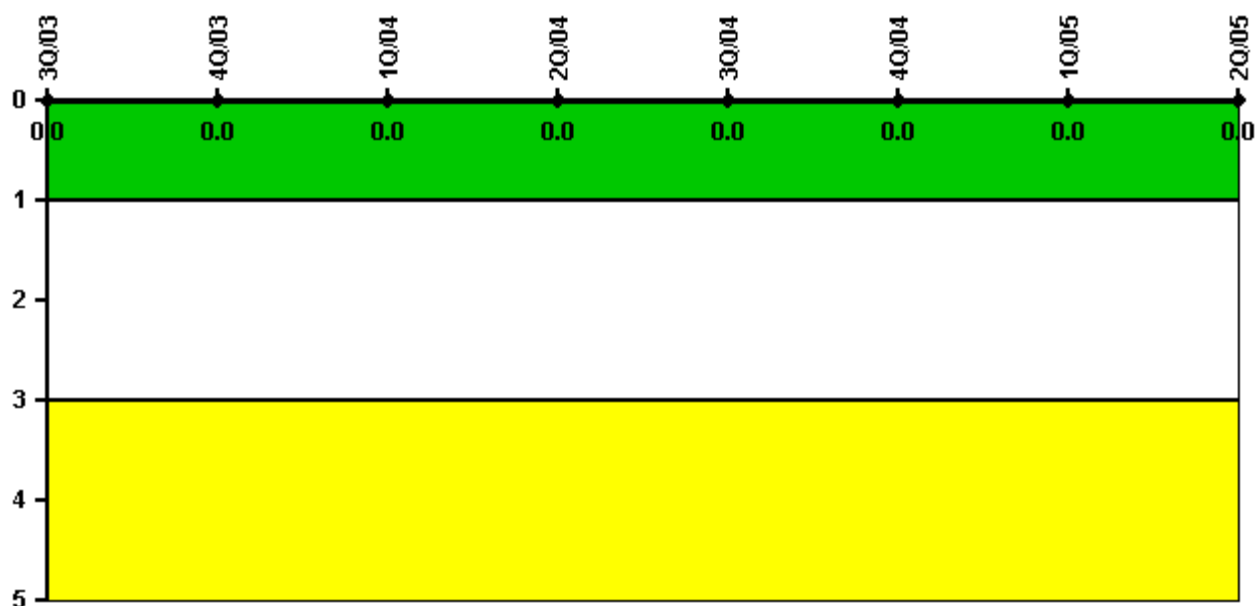
**Thresholds: White > 2.0 Yellow > 5.0**

**Notes**

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