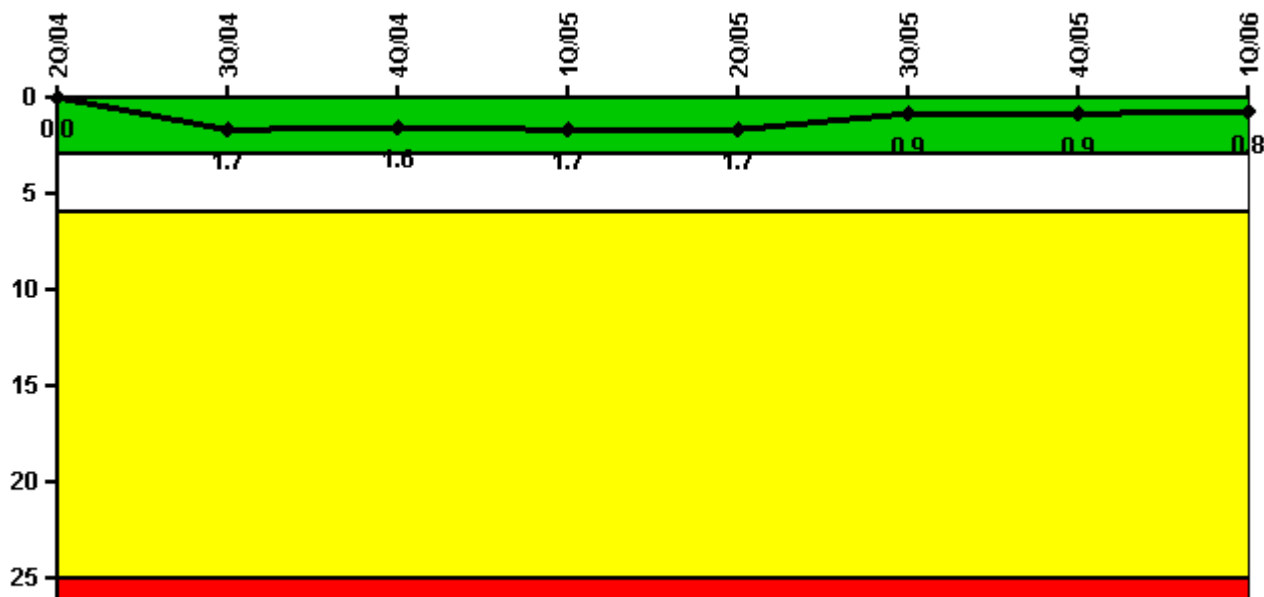


## Browns Ferry 2

### 1Q/2006 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



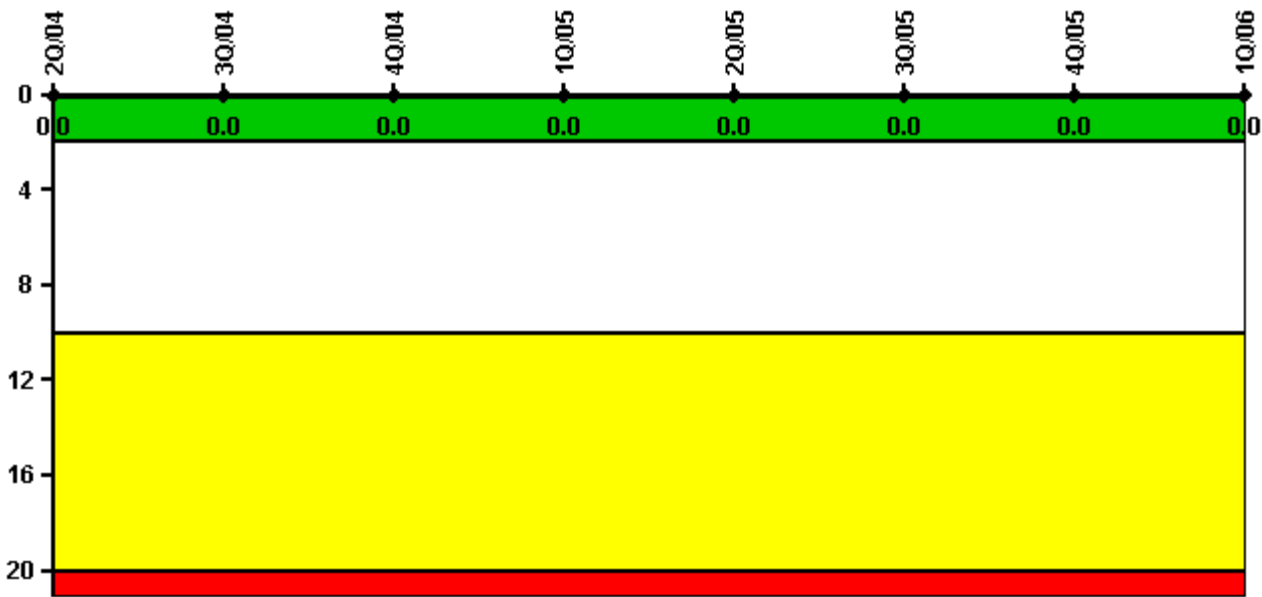
**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

#### 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                       | 0      | 2.0    | 0      | 0      | 0      | 1.0    | 0      | 0      |
| Critical hours                         | 2183.0 | 2143.7 | 2209.0 | 1905.0 | 1812.5 | 2176.4 | 2209.0 | 2160.0 |
| Indicator value                        | 0      | 1.7    | 1.6    | 1.7    | 1.7    | 0.9    | 0.9    | 0.8    |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



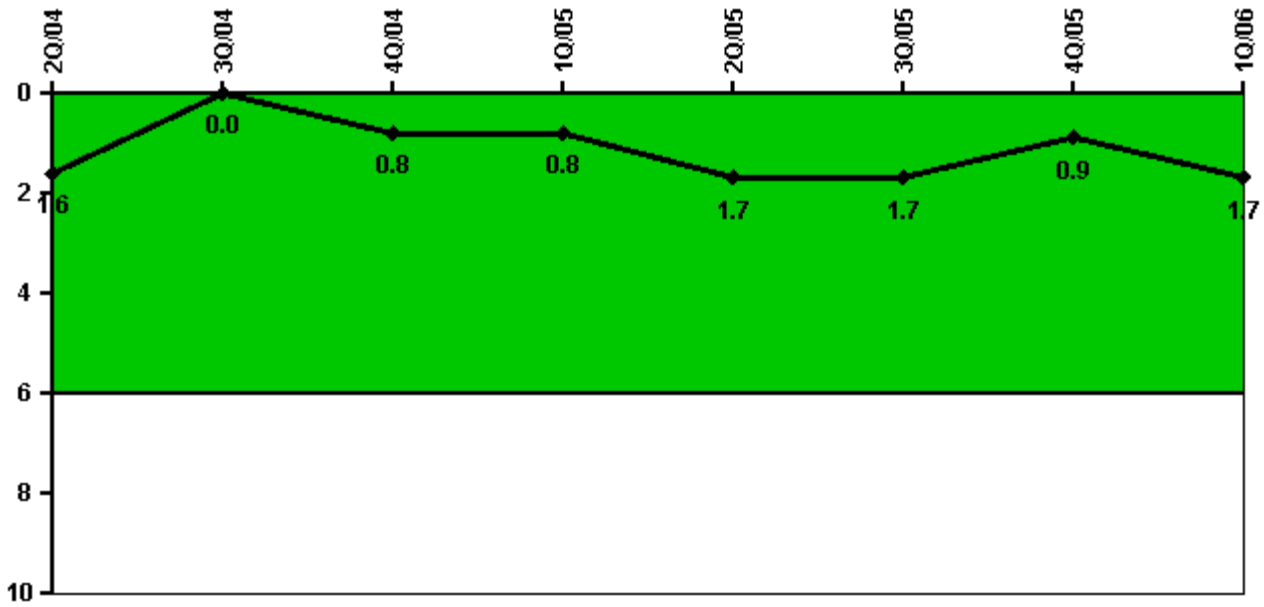
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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          | 0        | 1.0        | 0          | 1.0        | 0          | 0          | 1.0        |
| Critical hours                                | 2183.0     | 2143.7   | 2209.0     | 1905.0     | 1812.5     | 2176.4     | 2209.0     | 2160.0     |
| <b>Indicator value</b>                        | <b>1.6</b> | <b>0</b> | <b>0.8</b> | <b>0.8</b> | <b>1.7</b> | <b>1.7</b> | <b>0.9</b> | <b>1.7</b> |

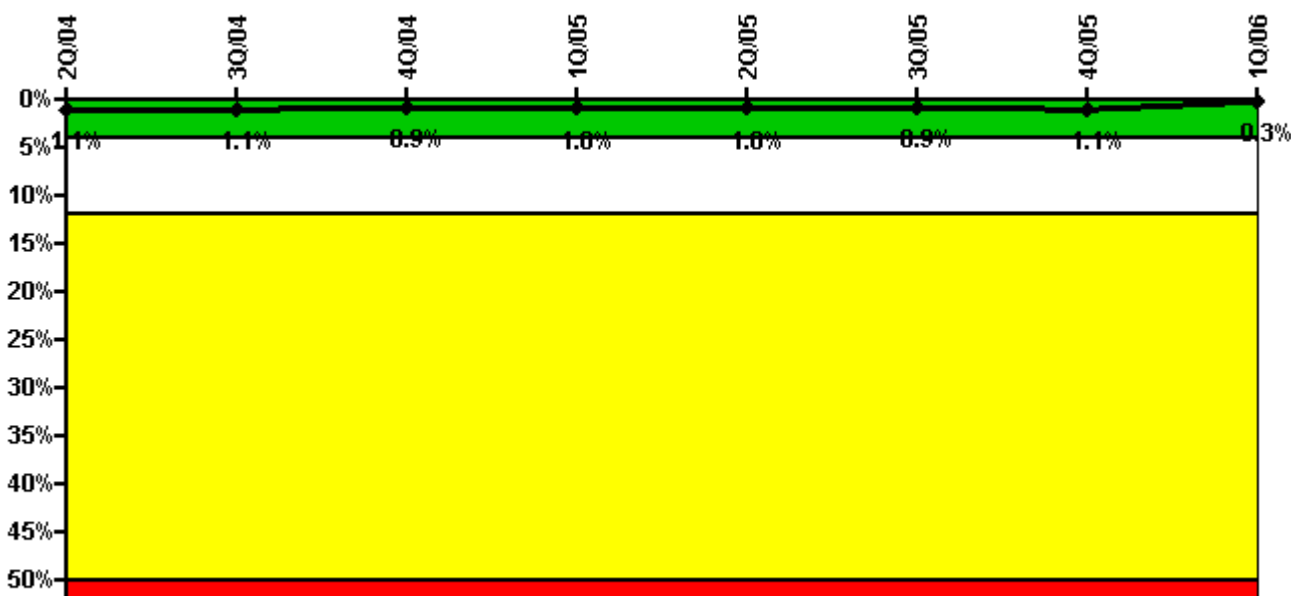
Licensee Comments: none



|                             |             |             |             |             |             |             |             |             |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Fault exposure hours        | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours       | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours              | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 2184.00     | 2208.00     | 2208.00     | 2160.00     |
| <b>Train 6</b>              |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 0.76        | 2.68        | 1.55        | 1.21        | 8.89        | 0.87        | 4.39        | 7.19        |
| 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              | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 2184.00     | 2208.00     | 2208.00     | 2160.00     |
| <b>Train 7</b>              |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 2.32        | 3.59        | 10.61       | 1.30        | 8.14        | 32.95       | 1.07        | 38.18       |
| 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              | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 2184.00     | 2208.00     | 2208.00     | 2160.00     |
| <b>Train 8</b>              |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 1.39        | 1.05        | 2.33        | 5.73        | 1.28        | 9.58        | 27.32       | 2.13        |
| 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              | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 2184.00     | 2208.00     | 2208.00     | 2160.00     |
| <b>Indicator value</b>      | <b>1.1%</b> | <b>1.1%</b> | <b>1.1%</b> | <b>1.1%</b> | <b>0.9%</b> | <b>0.8%</b> | <b>0.8%</b> | <b>0.8%</b> |

Licensee Comments: none

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



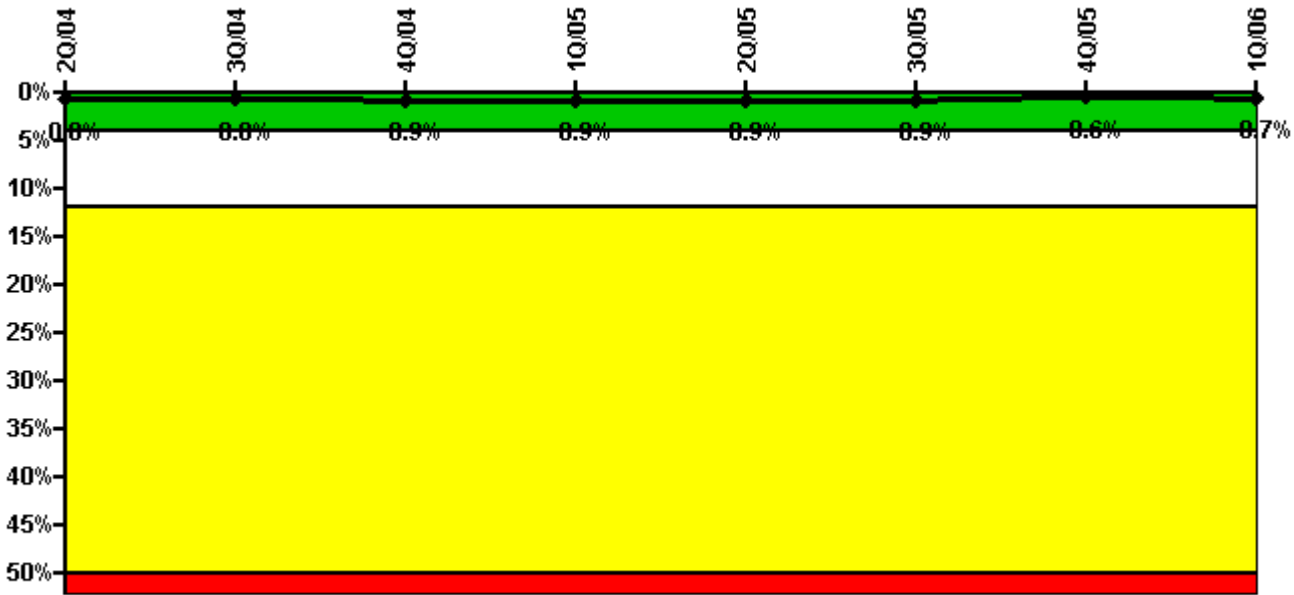
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

**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                                           | 0           | 0           | 0           | 4.60        | 0           | 0           | 20.92       | 0           |
| Unplanned unavailable hours                                         | 0           | 0           | 0           | 5.12        | 0           | 0           | 28.42       | 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                                                      | 2184.00     | 2208.00     | 2208.00     | 1910.10     | 1803.75     | 2208.00     | 2208.00     | 2160.00     |
| <b>Indicator value</b>                                              | <b>1.1%</b> | <b>1.1%</b> | <b>0.9%</b> | <b>1.0%</b> | <b>1.0%</b> | <b>0.9%</b> | <b>1.1%</b> | <b>0.3%</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                                | 8.58        | 0.33        | 22.80       | 0.58        | 0.43        | 0.28        | 72.55       | 66.43       |
| 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                                           | 2184.00     | 2208.00     | 2208.00     | 1910.10     | 1803.75     | 2208.00     | 2208.00     | 2160.00     |
| <b>Indicator value</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> | <b>0.6%</b> | <b>0.7%</b> |

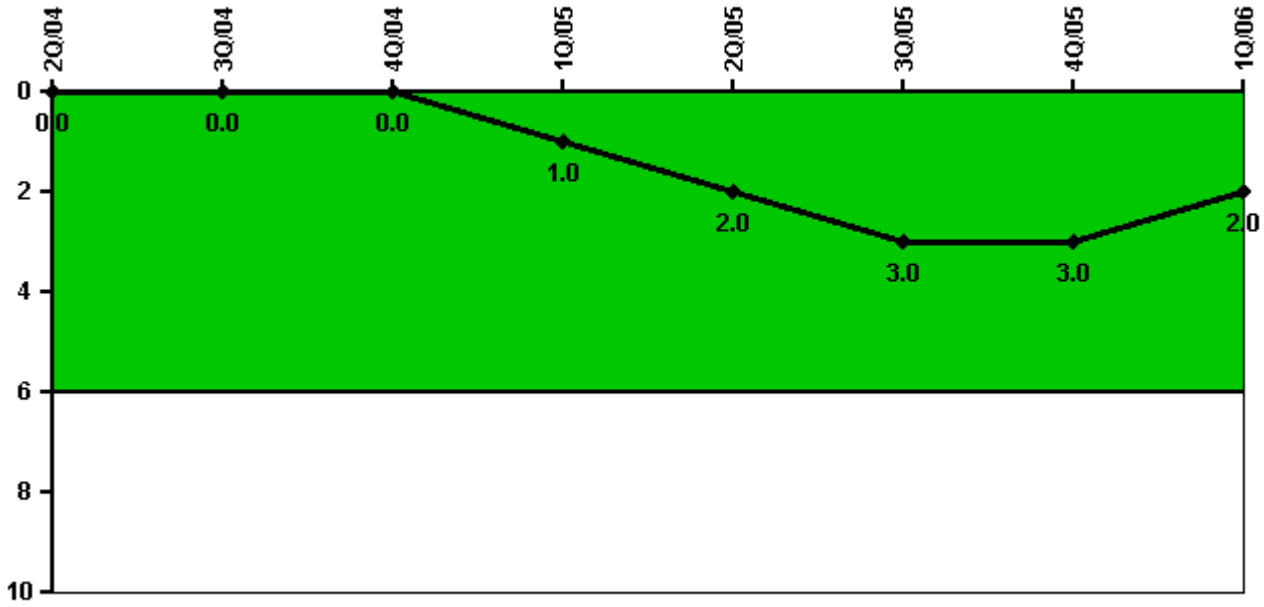
Licensee Comments: none



|                 |         |         |         |         |         |         |         |         |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Required hours  | 2183.00 | 2208.00 | 2209.00 | 1913.20 | 2014.60 | 2208.00 | 2208.00 | 2160.00 |
| Indicator value | 0.8%    | 0.8%    | 0.9%    | 0.9%    | 1.4%    | 1.4%    | 1.4%    | 1.3%    |

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

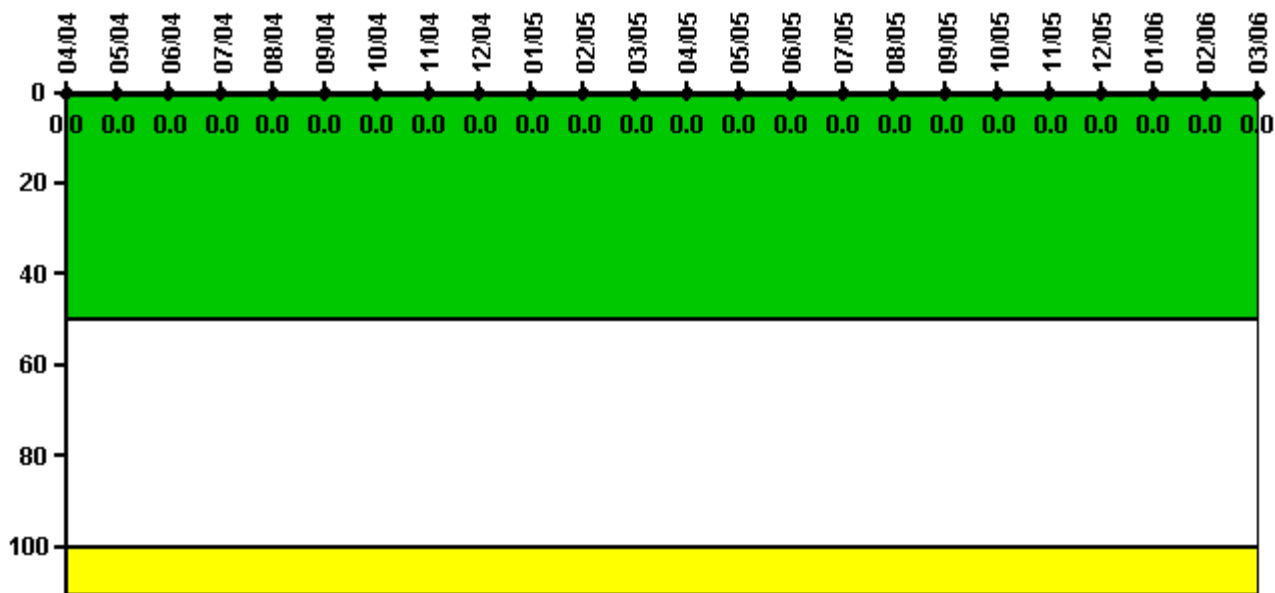
### Notes

| 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     | 1     | 1     | 1     | 0     | 0     |
| Indicator value                         | 0     | 0     | 0     | 1     | 2     | 3     | 3     | 2     |

Licensee Comments: none



### Reactor Coolant System Activity



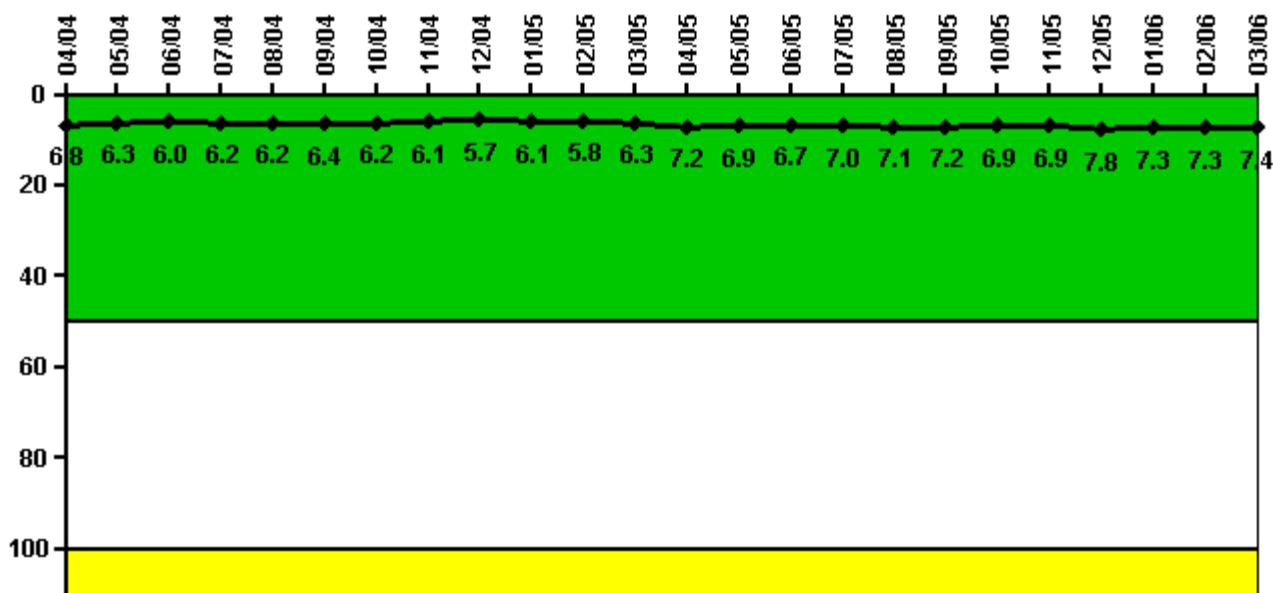
Thresholds: White > 50.0 Yellow > 100.0

#### 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                | 0.000114 | 0.000087 | 0.000114 | 0.000128 | 0.000081 | 0.000110 | 0.000095 | 0.000102 | 0.000037 | 0.000046 | 0.000040 | 0.000036 |
| 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 | 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                | 0.000033 | 0.000046 | 0.000038 | 0.000036 | 0.000037 | 0.000035 | 0.000040 | 0.000048 | 0.000040 | 0.000035 | 0.000032 | 0.000038 |
| 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        |

Licensee Comments: none

### Reactor Coolant System Leakage



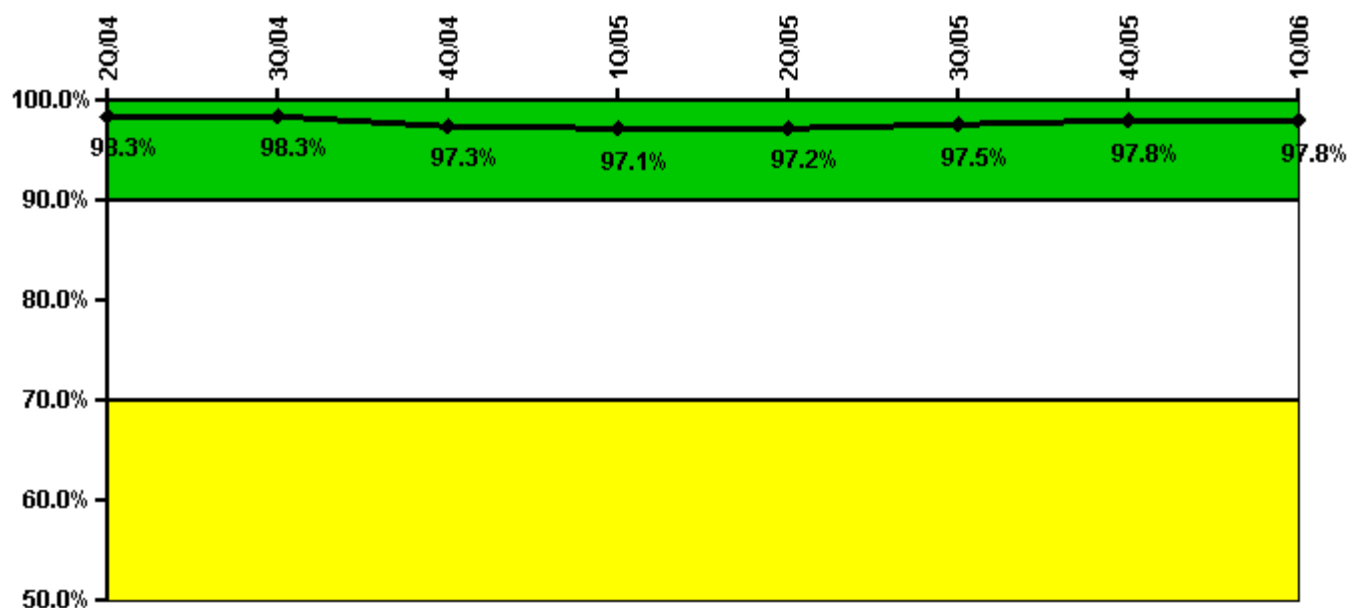
Thresholds: White > 50.0 Yellow > 100.0

**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                | 2.040 | 1.880 | 1.800 | 1.860 | 1.870 | 1.910 | 1.870 | 1.820 | 1.700 | 1.830 | 1.730 | 1.880 |
| 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                | 6.8   | 6.3   | 6.0   | 6.2   | 6.2   | 6.4   | 6.2   | 6.1   | 5.7   | 6.1   | 5.8   | 6.3   |
| 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                | 2.160 | 2.060 | 2.020 | 2.090 | 2.140 | 2.160 | 2.060 | 2.060 | 2.340 | 2.200 | 2.190 | 2.220 |
| 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                | 7.2   | 6.9   | 6.7   | 7.0   | 7.1   | 7.2   | 6.9   | 6.9   | 7.8   | 7.3   | 7.3   | 7.4   |

Licensee Comments: none

### Drill/Exercise Performance



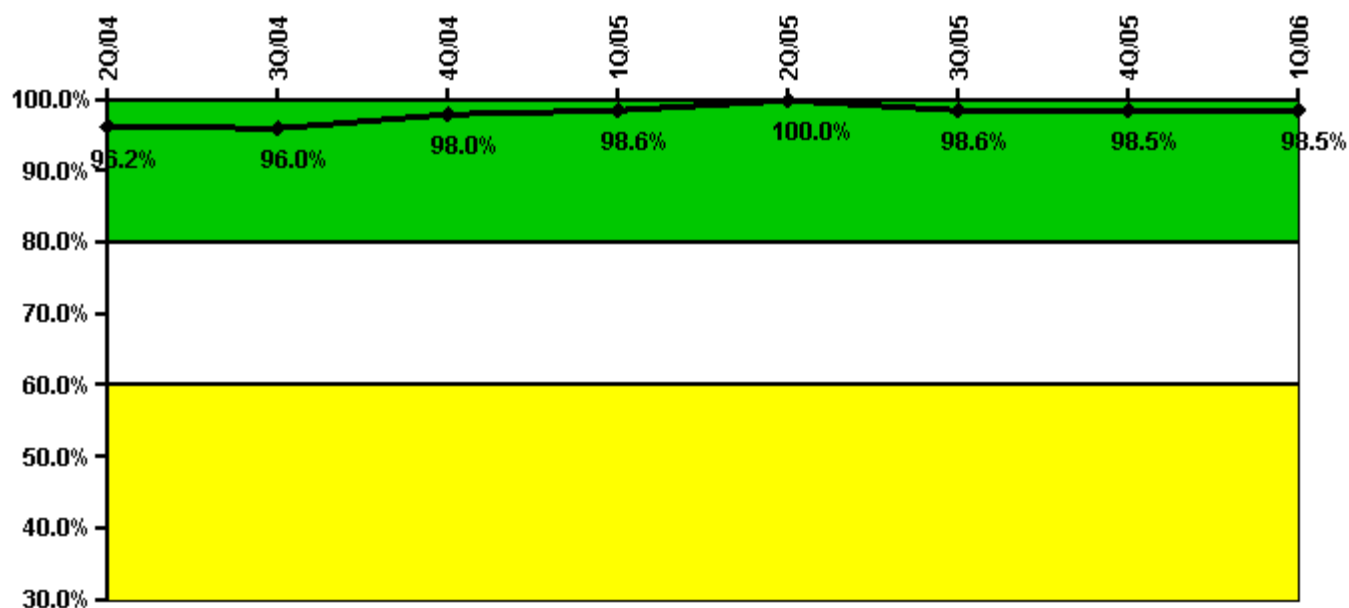
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 6.0   | 7.0   | 67.0  | 0     | 16.0  | 4.0   | 76.0  | 0     |
| Total opportunities        | 6.0   | 7.0   | 70.0  | 0     | 16.0  | 4.0   | 77.0  | 0     |
| Indicator value            | 98.3% | 98.3% | 97.3% | 97.1% | 97.2% | 97.5% | 97.8% | 97.8% |

Licensee Comments: none

### ERO Drill Participation



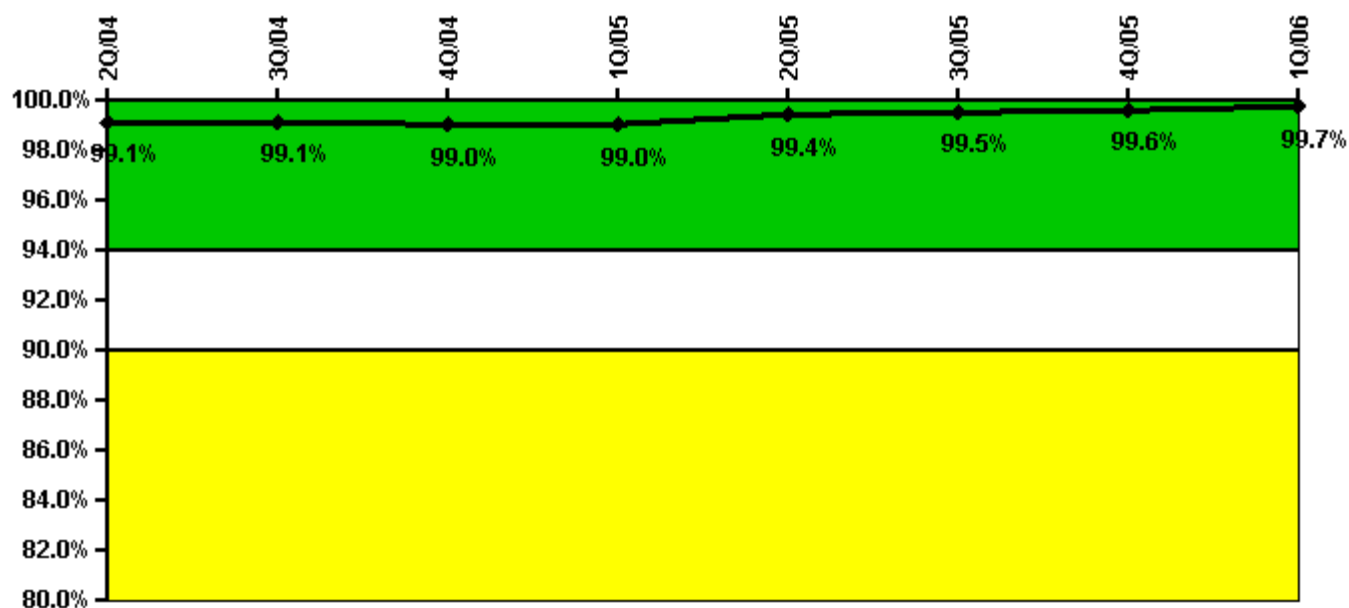
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05  | 3Q/05 | 4Q/05 | 1Q/06 |
|-----------------------------|-------|-------|-------|-------|--------|-------|-------|-------|
| Participating Key personnel | 51.0  | 48.0  | 49.0  | 71.0  | 71.0   | 72.0  | 66.0  | 66.0  |
| Total Key personnel         | 53.0  | 50.0  | 50.0  | 72.0  | 71.0   | 73.0  | 67.0  | 67.0  |
| Indicator value             | 96.2% | 96.0% | 98.0% | 98.6% | 100.0% | 98.6% | 98.5% | 98.5% |

Licensee Comments: none

### Alert & Notification System



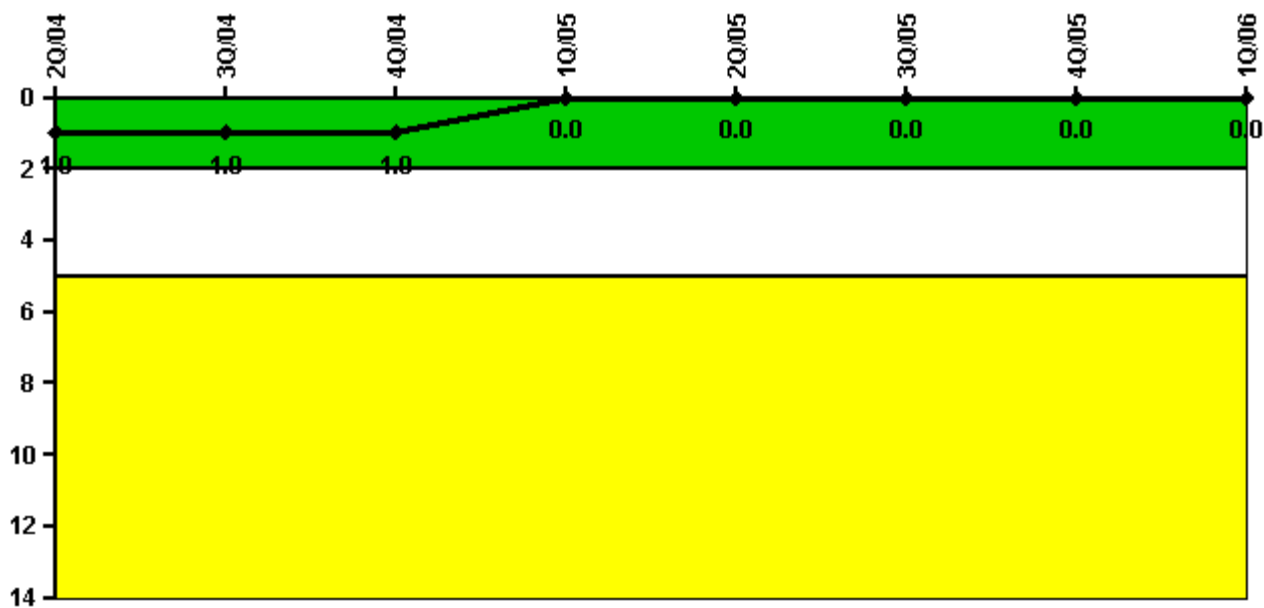
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 883   | 694   | 994   | 794   | 896   | 698   | 898   | 799   |
| Total sirens-tests          | 900   | 700   | 1000  | 800   | 900   | 700   | 900   | 800   |
| Indicator value             | 99.1% | 99.1% | 99.0% | 99.0% | 99.4% | 99.5% | 99.6% | 99.7% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



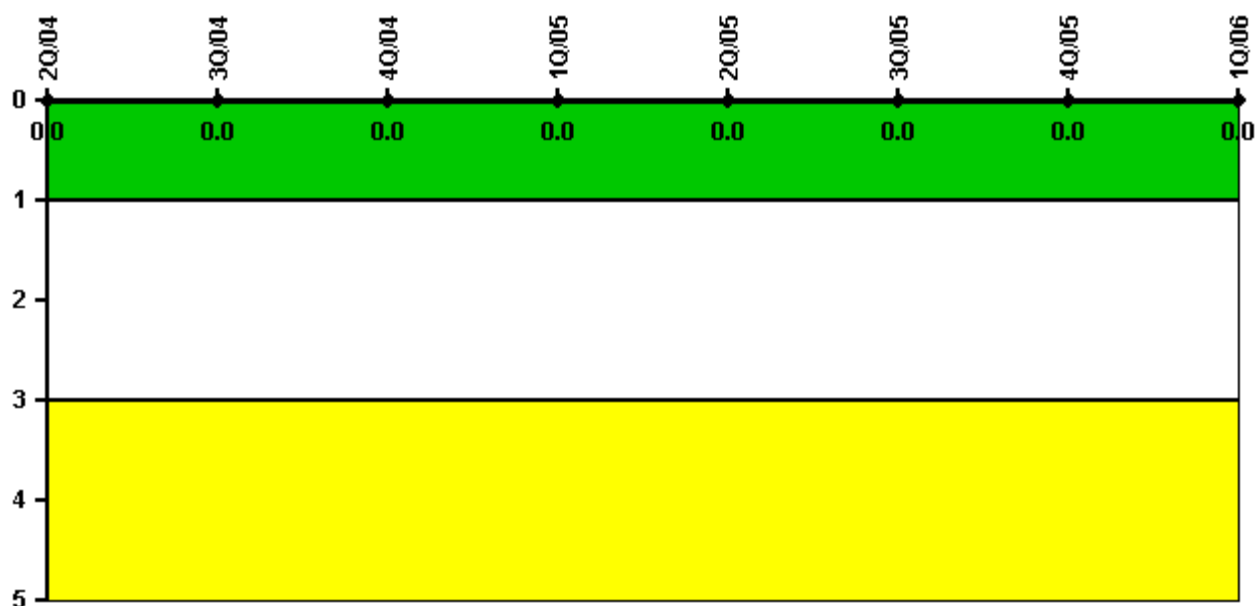
Thresholds: White > 2.0 Yellow > 5.0

#### 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>1</b> | <b>1</b> | <b>1</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