

# Hatch 1

## 2Q/2005 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



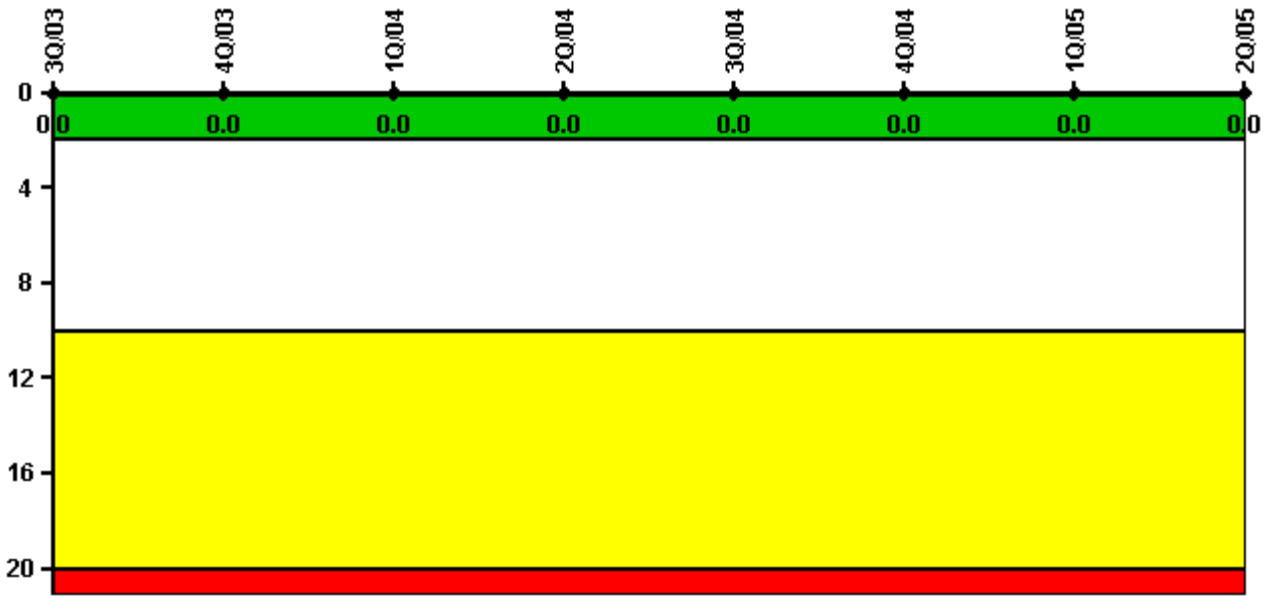
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                         | 2208.0 | 2209.0 | 1519.1 | 2183.0 | 2208.0 | 2209.0 | 1962.2 | 2183.0 |
| Indicator value                        | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



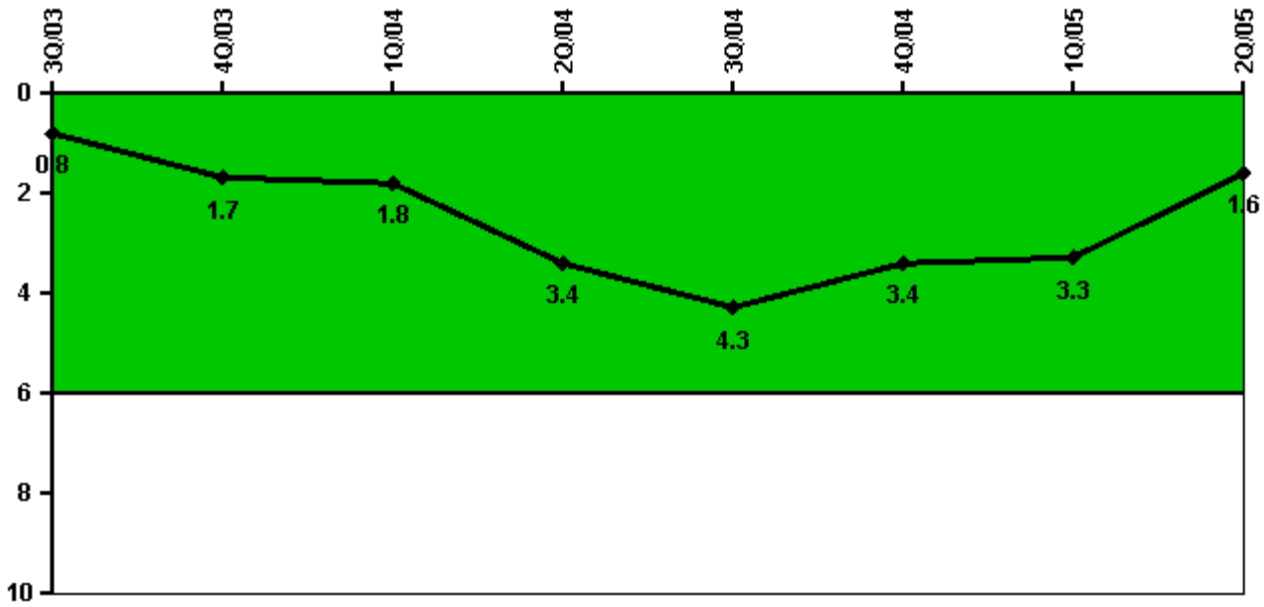
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 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



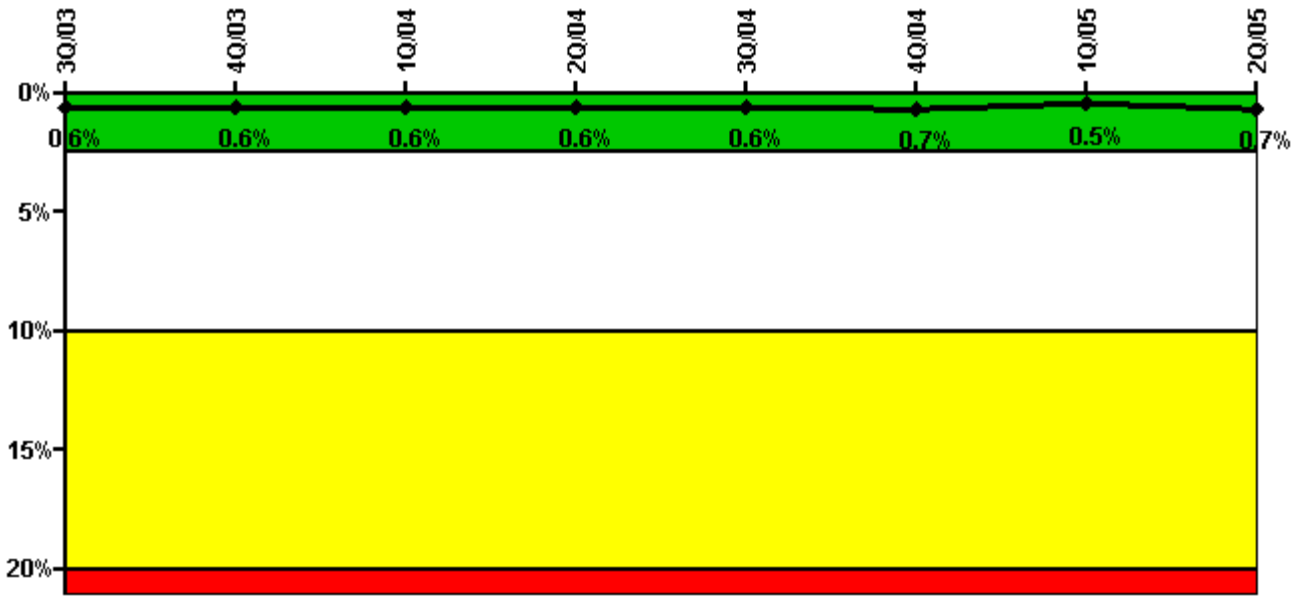
Thresholds: White > 6.0

#### 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      | 1.0    | 0      | 3.0    | 1.0    | 0      | 0      | 1.0    |
| Critical hours                                | 2208.0 | 2209.0 | 1519.1 | 2183.0 | 2208.0 | 2209.0 | 1962.2 | 2183.0 |
| Indicator value                               | 0.8    | 1.7    | 1.8    | 3.4    | 4.3    | 3.4    | 3.3    | 1.6    |

Licensee Comments: none

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



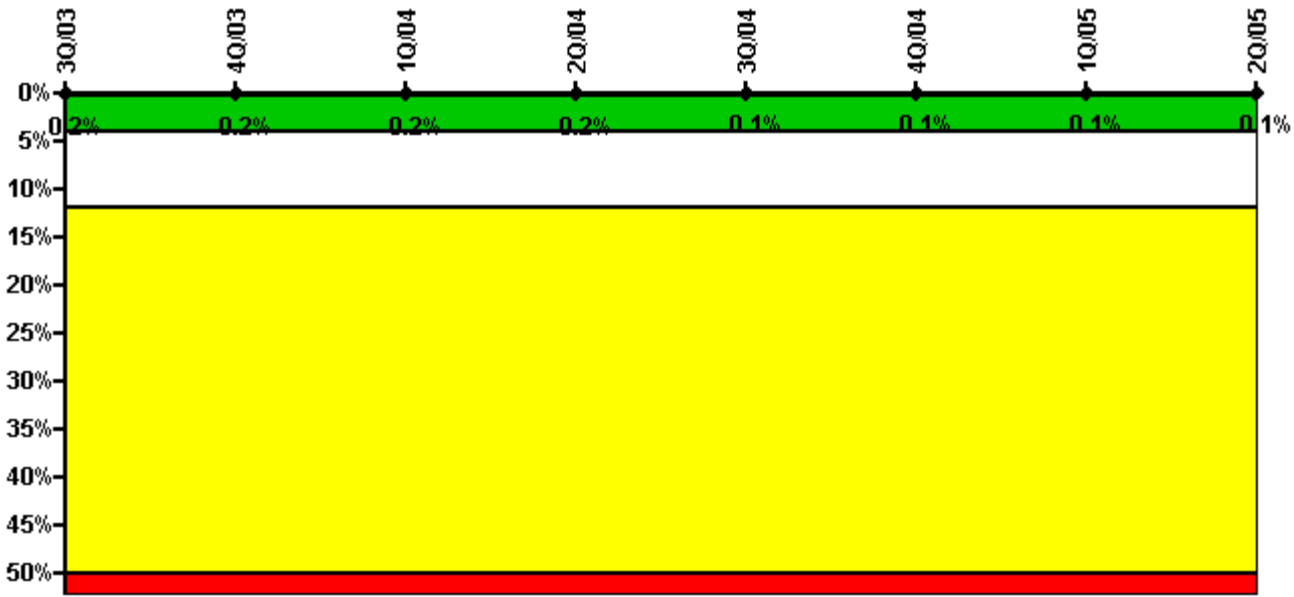
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

#### Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 0           | 0           | 0.43        | 0           | 0           | 5.87        | 105.72      |
| Unplanned unavailable hours                             | 0           | 18.87       | 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                               | 14.50       | 15.97       | 0           | 0.15        | 32.75       | 30.48       | 32.43       | 0.17        |
| Unplanned unavailable hours                             | 0           | 0           | 0           | 0           | 0           | 119.30      | 0           | 9.02        |
| 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 3</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 0           | 0           | 2.06        | 1.55        | 33.08       | 7.10        | 1.80        |
| 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>Indicator value</b>                                  | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.7%</b> | <b>0.5%</b> | <b>0.7%</b> |

Licensee Comments: none

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



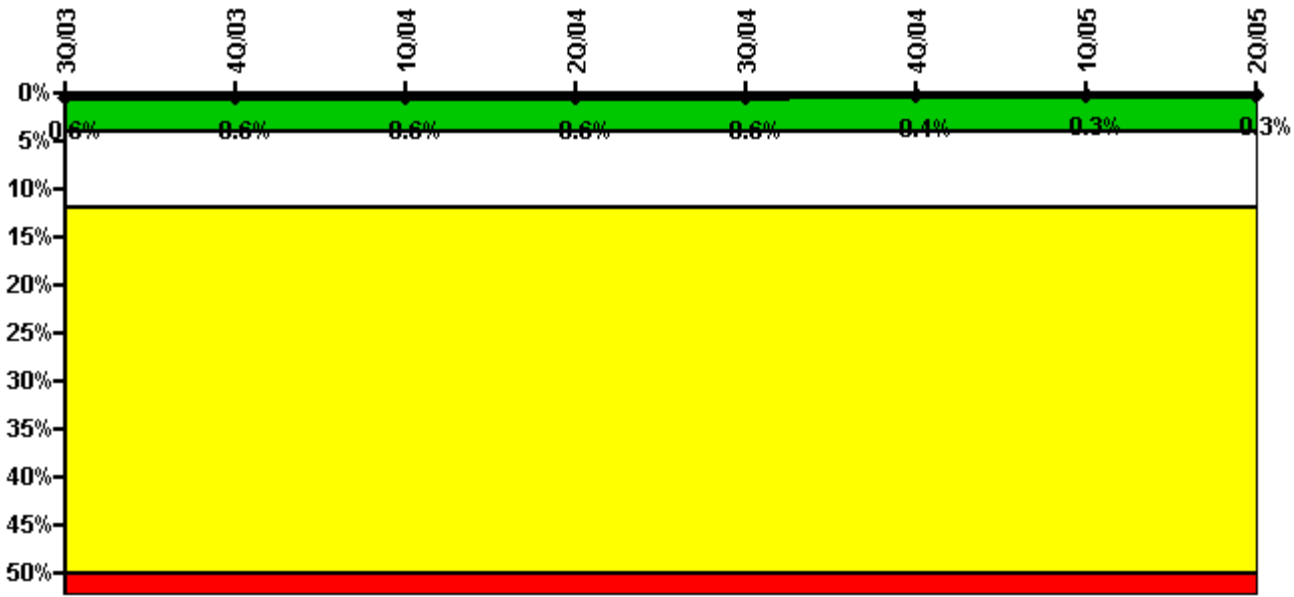
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 0           | 0           | 0           | 0           | 0           | 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  | 2208.00     | 2209.00     | 1519.13     | 2183.00     | 2208.00     | 2209.00     | 1962.18     | 2183.00     |
| <b>Indicator value</b>  | <b>0.2%</b> | <b>0.2%</b> | <b>0.2%</b> | <b>0.2%</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 (RCIC)



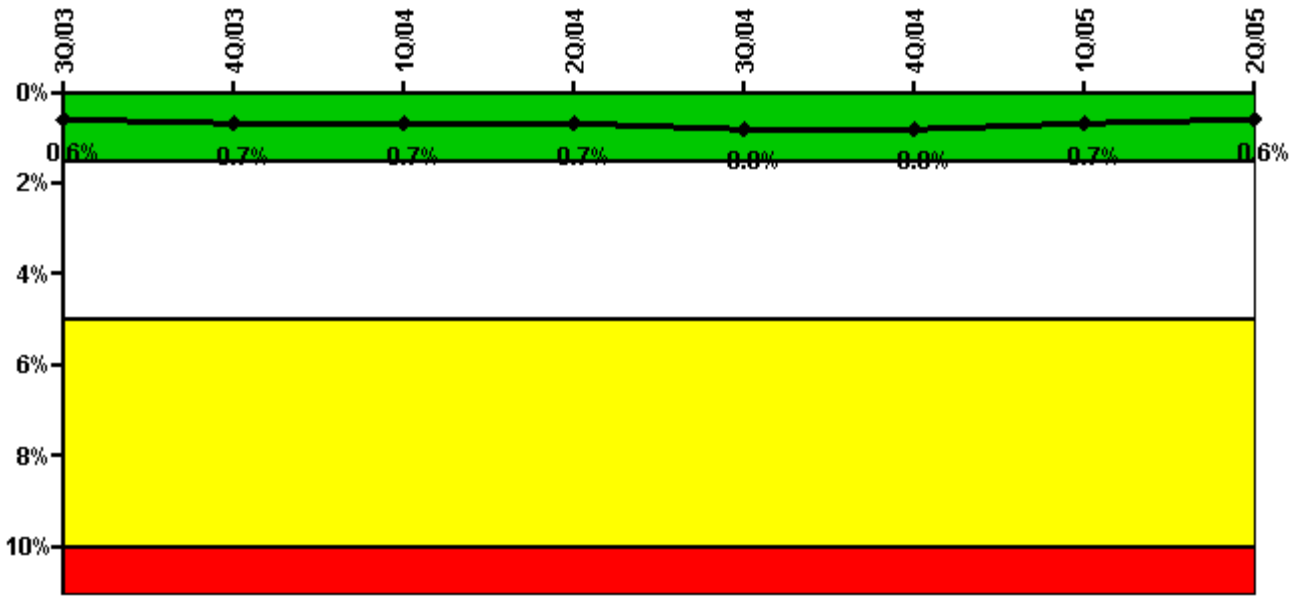
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                | 0.83        | 0.42        | 5.91        | 3.92        | 2.50        | 0.52        | 0.45        | 14.08       |
| 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     | 1519.13     | 2183.00     | 2208.00     | 2209.00     | 1962.18     | 2183.00     |
| <b>Indicator value</b>                                   | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.4%</b> | <b>0.3%</b> | <b>0.3%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



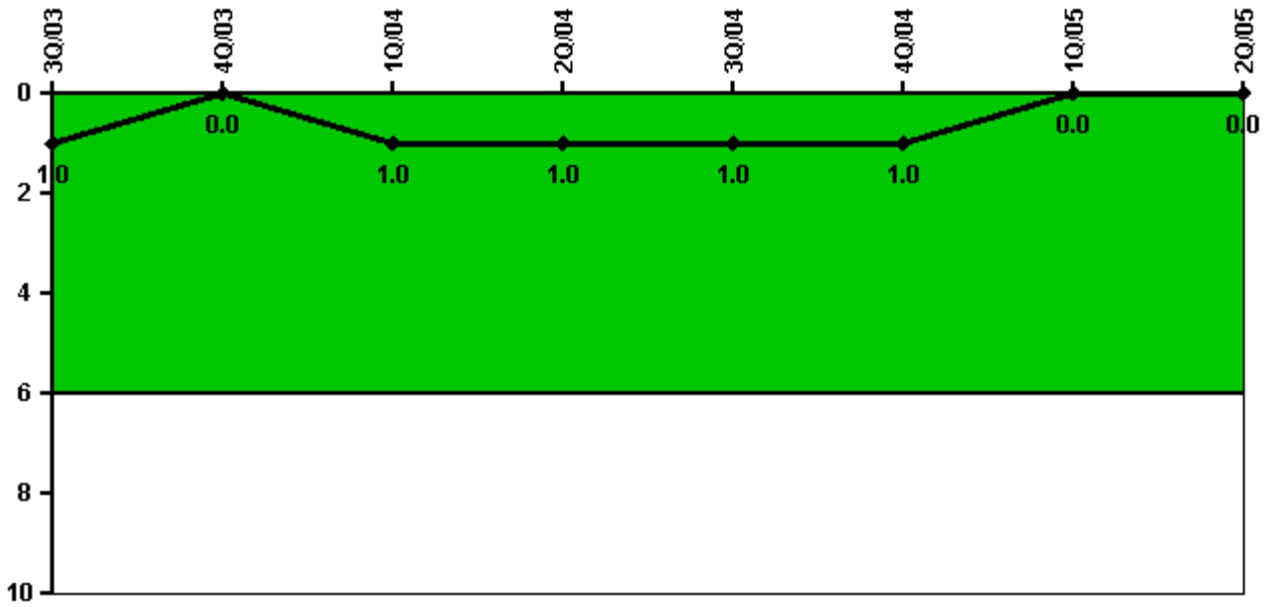
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

| Safety System Unavailability, Residual Heat Removal System | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 26.31       | 3.27        | 0           | 0           | 25.99       | 0           | 0           | 0           |
| Unplanned unavailable hours                                | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Fault exposure hours                                       | 42.60       | 83.67       | 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                                  | 0           | 45.42       | 11.66       | 0           | 20.37       | 0           | 0.24        | 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   | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2183.00     |
| <b>Indicator value</b>                                     | <b>0.6%</b> | <b>0.7%</b> | <b>0.7%</b> | <b>0.7%</b> | <b>0.8%</b> | <b>0.8%</b> | <b>0.7%</b> | <b>0.6%</b> |

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

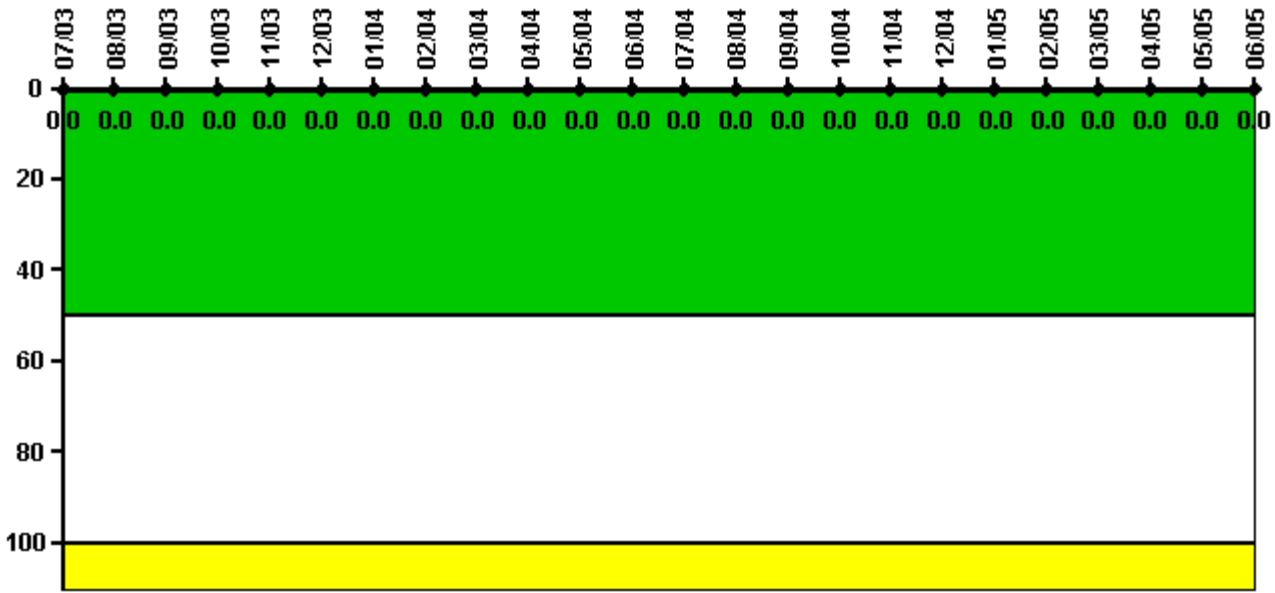
#### Notes

| Safety System Functional Failures (BWR) | 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     | 0     | 1     | 1     | 1     | 1     | 0     | 0     |

Licensee Comments: none



### Reactor Coolant System Activity



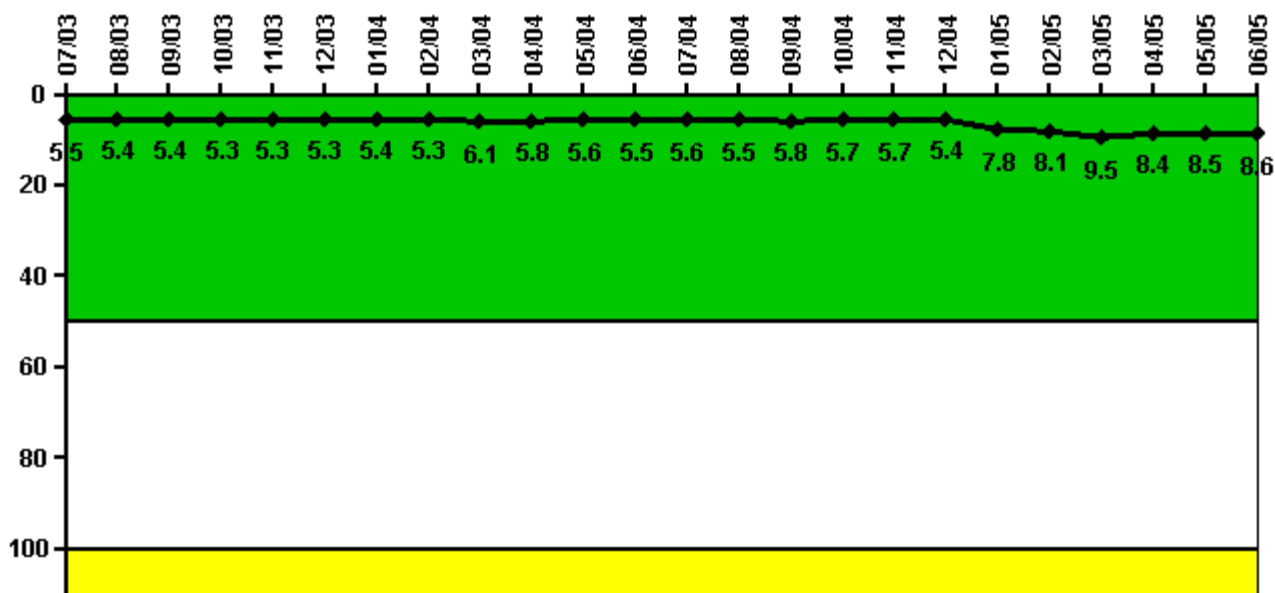
Thresholds: White > 50.0 Yellow > 100.0

#### 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                | 0.000008 | 0.000006 | 0.000010 | 0.000020 | 0.000020 | 0.000010 | 0.000010 | 0.000020 | 0.000006 | 0.000005 | 0.000005 | 0.000006 |
| 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        | 0        | 0        | 0        | 0        | 0        |
| 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                | 0.000006 | 0.000008 | 0.000006 | 0.000008 | 0.000008 | 0.000007 | 0.000006 | 0.000006 | 0.000010 | 0.000008 | 0.000010 | 0.000009 |
| 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        | 0        | 0        | 0        | 0        | 0        |

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

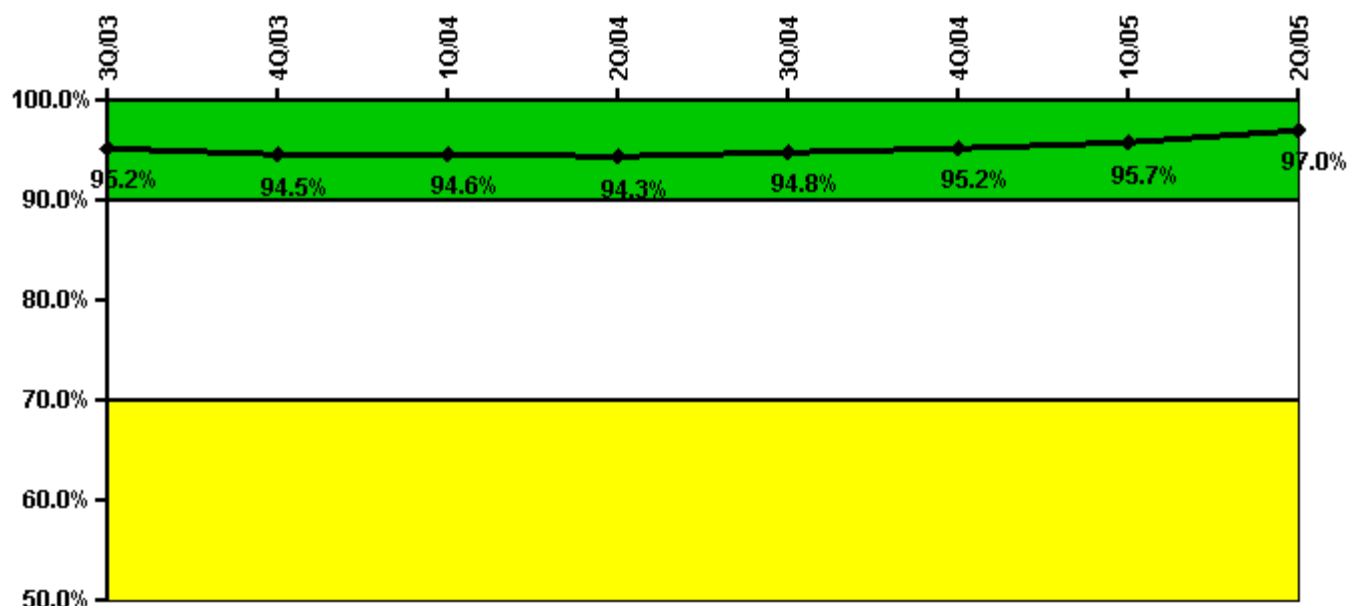
| Reactor Coolant System Leakage | 7/03  | 8/03  | 9/03  | 10/03 | 11/03 | 12/03 | 1/04  | 2/04  | 3/04  | 4/04  | 5/04  | 6/04  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 1.640 | 1.630 | 1.630 | 1.590 | 1.590 | 1.590 | 1.630 | 1.580 | 1.820 | 1.730 | 1.690 | 1.660 |
| 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                | 5.5   | 5.4   | 5.4   | 5.3   | 5.3   | 5.3   | 5.4   | 5.3   | 6.1   | 5.8   | 5.6   | 5.5   |

| 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                | 1.680 | 1.660 | 1.730 | 1.720 | 1.700 | 1.630 | 2.350 | 2.420 | 2.860 | 2.530 | 2.560 | 2.580 |
| 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                | 5.6   | 5.5   | 5.8   | 5.7   | 5.7   | 5.4   | 7.8   | 8.1   | 9.5   | 8.4   | 8.5   | 8.6   |

Licensee Comments: none

### Drill/Exercise Performance



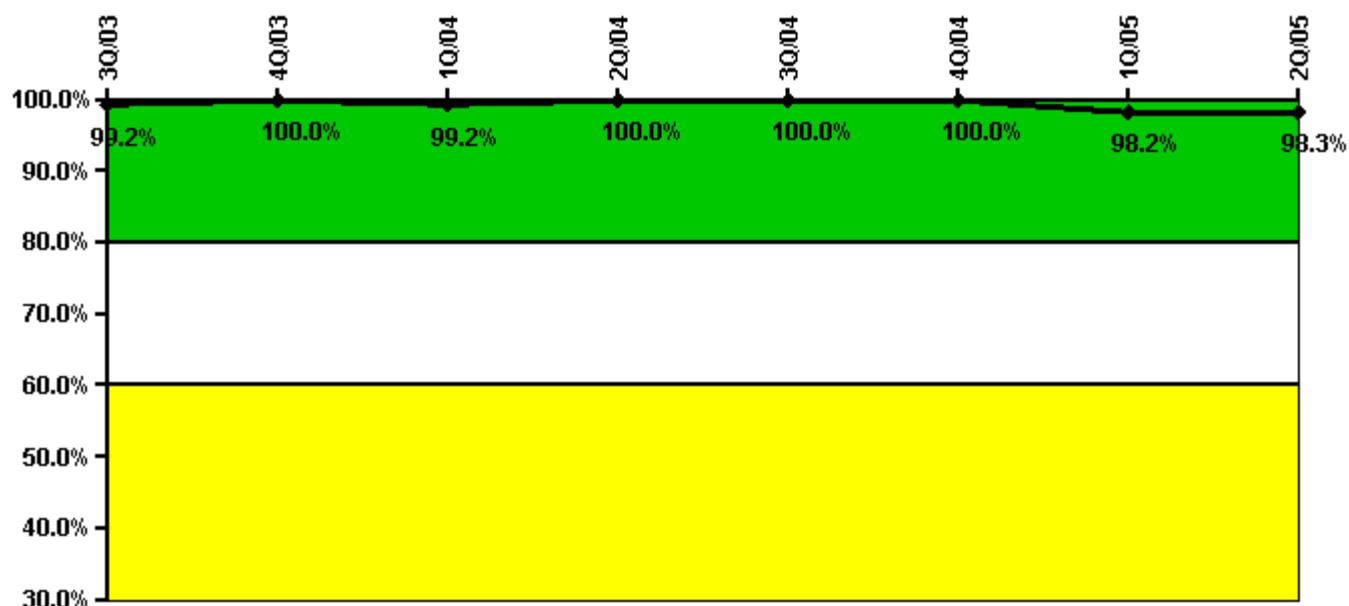
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 71.0  | 5.0   | 2.0   | 17.0  | 34.0  | 18.0  | 1.0   | 14.0  |
| Total opportunities        | 72.0  | 6.0   | 2.0   | 18.0  | 34.0  | 19.0  | 2.0   | 14.0  |
| Indicator value            | 95.2% | 94.5% | 94.6% | 94.3% | 94.8% | 95.2% | 95.7% | 97.0% |

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 | 130.0 | 128.0  | 119.0 | 116.0  | 111.0  | 114.0  | 109.0 | 119.0 |
| Total Key personnel         | 131.0 | 128.0  | 120.0 | 116.0  | 111.0  | 114.0  | 111.0 | 121.0 |
| Indicator value             | 99.2% | 100.0% | 99.2% | 100.0% | 100.0% | 100.0% | 98.2% | 98.3% |

Licensee Comments: none

## Alert & Notification System

**Not applicable due to  
unique design  
characteristics.  
Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### Notes

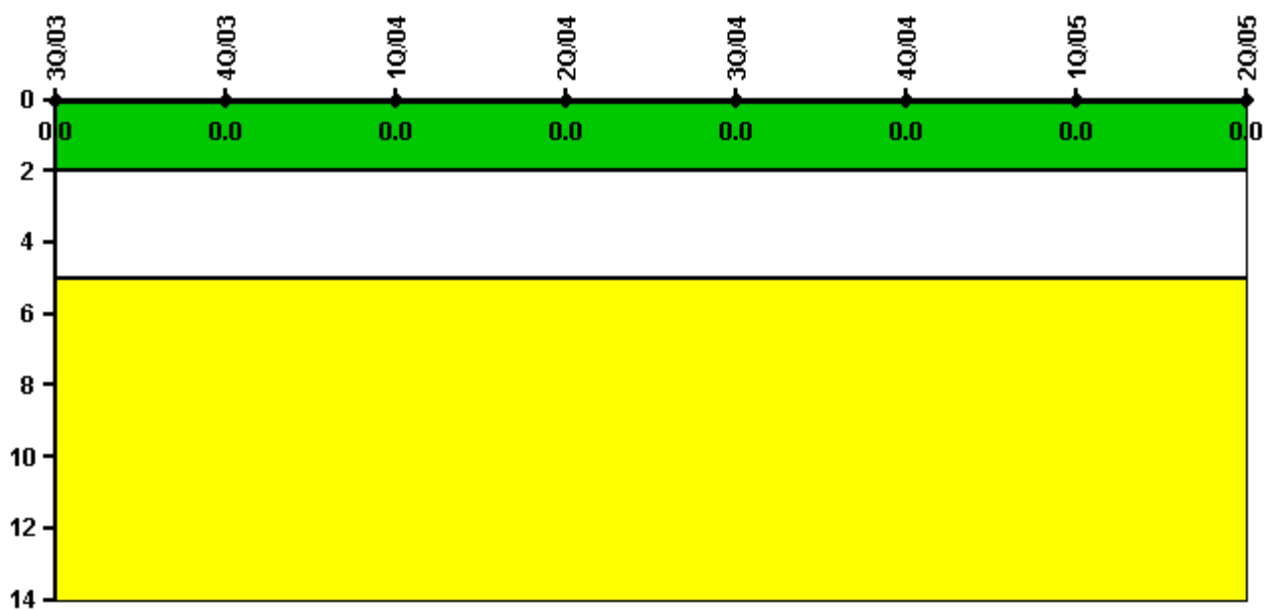
| Alert & Notification System | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      |       |       |       |       |       |       |       |       |
| Total sirens-tests          |       |       |       |       |       |       |       |       |
|                             |       |       |       |       |       |       |       |       |
| <b>Indicator value</b>      |       |       |       |       |       |       |       |       |

Licensee Comments:

2Q/05: Plant Hatch does not use sirens as an emergency notification system.

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### Occupational Exposure Control Effectiveness



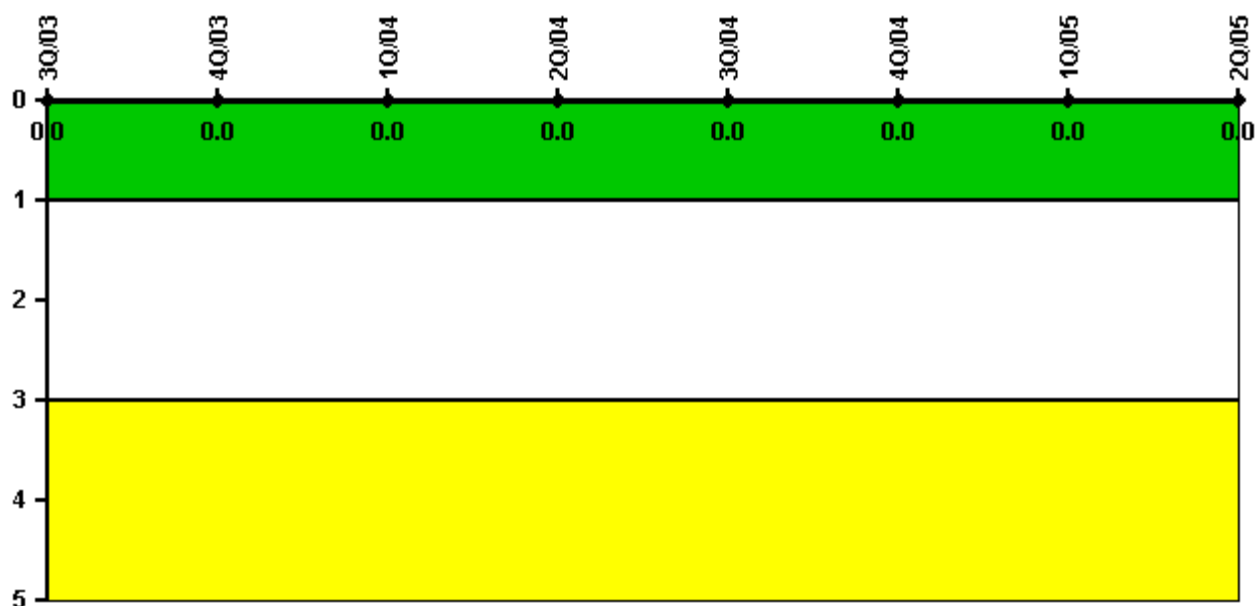
Thresholds: White > 2.0 Yellow > 5.0

#### 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.