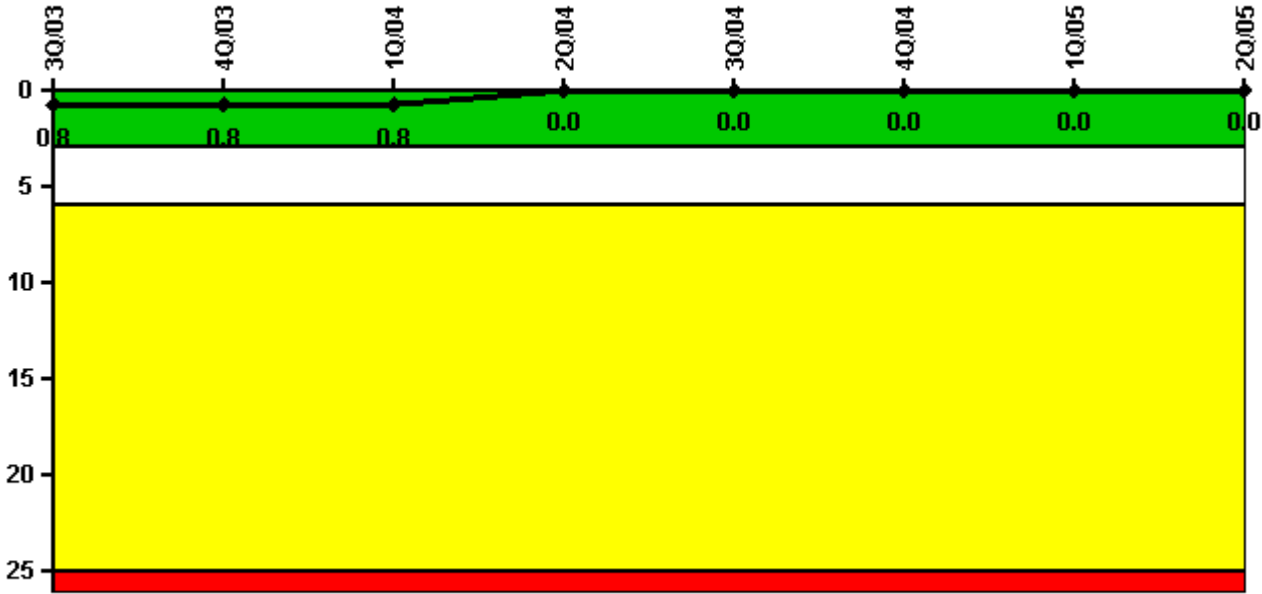


# Limerick 1

## 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 | 1789.2 | 2183.0 | 2208.0 | 2209.0 | 2109.1 | 2183.0 |
| Indicator value                        | 0.8    | 0.8    | 0.8    | 0      | 0      | 0      | 0      | 0      |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



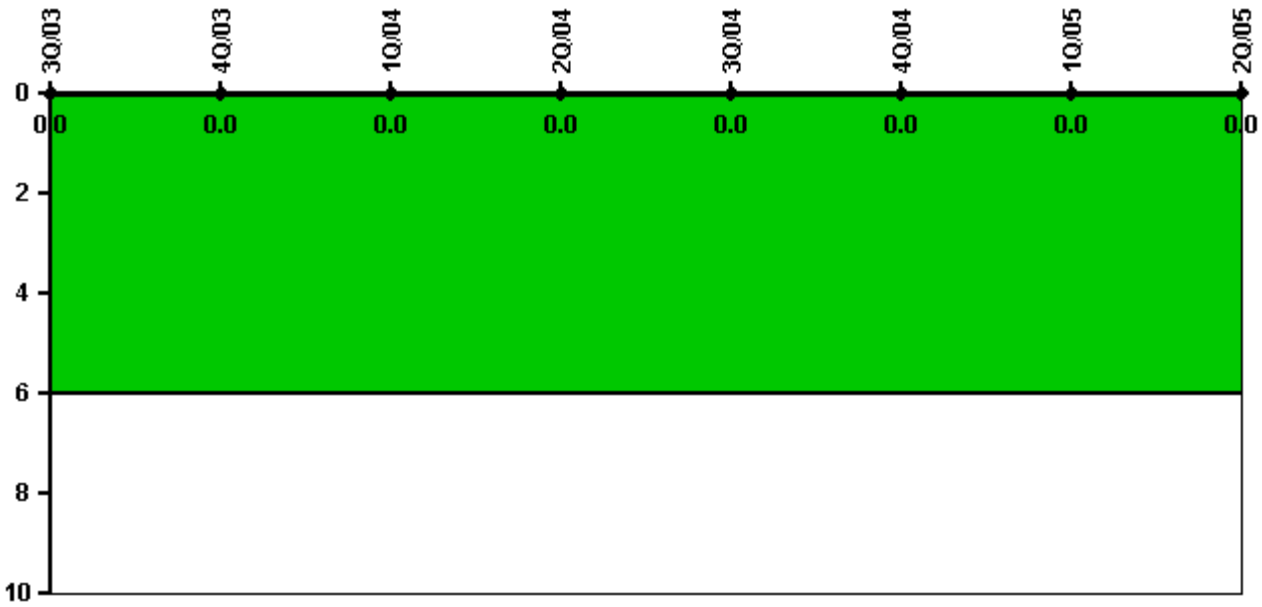
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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

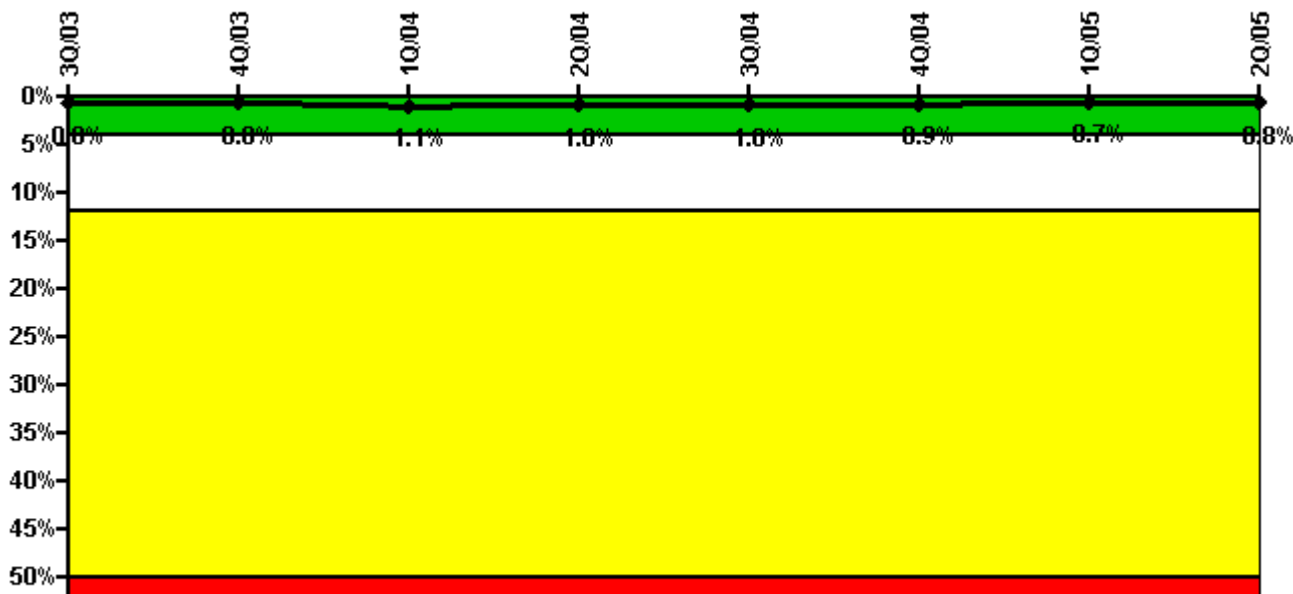
| Unplanned Power Changes per 7000 Critical Hrs | 3Q/03  | 4Q/03  | 1Q/04  | 2Q/04  | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                                | 2208.0 | 2209.0 | 1789.2 | 2183.0 | 2208.0 | 2209.0 | 2109.1 | 2183.0 |
| Indicator value                               | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |

Licensee Comments: none



Licensee Comments: none

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



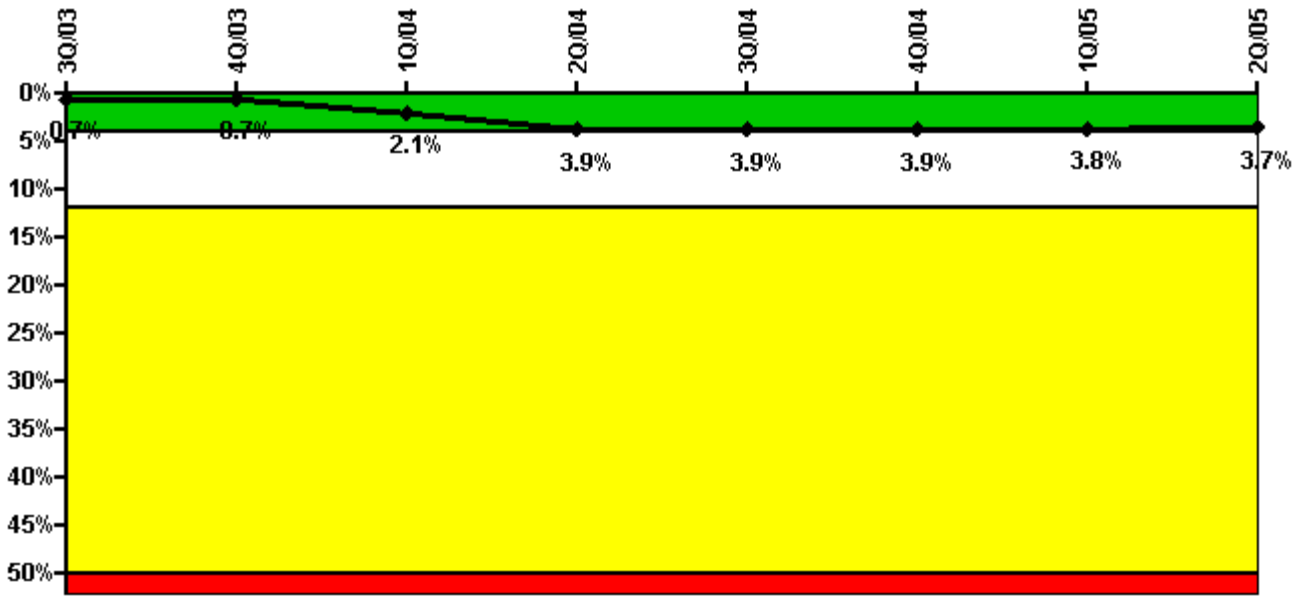
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### 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           | 10.10       | 6.80        | 11.60       | 1.20        | 0           | 0.70        | 28.10       |
| Unplanned unavailable hours   | 0           | 0           | 32.80       | 0           | 0           | 0           | 0           | 0           |
| Fault exposure hours  | 0           | 0           | 30.80       | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours  | 2208.00     | 2209.00     | 1789.17     | 2183.00     | 2208.00     | 2209.00     | 2109.13     | 2183.00     |
| <b>Indicator value</b>  | <b>0.8%</b> | <b>0.8%</b> | <b>1.1%</b> | <b>1.0%</b> | <b>1.0%</b> | <b>0.9%</b> | <b>0.7%</b> | <b>0.8%</b> |

Licensee Comments: none

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



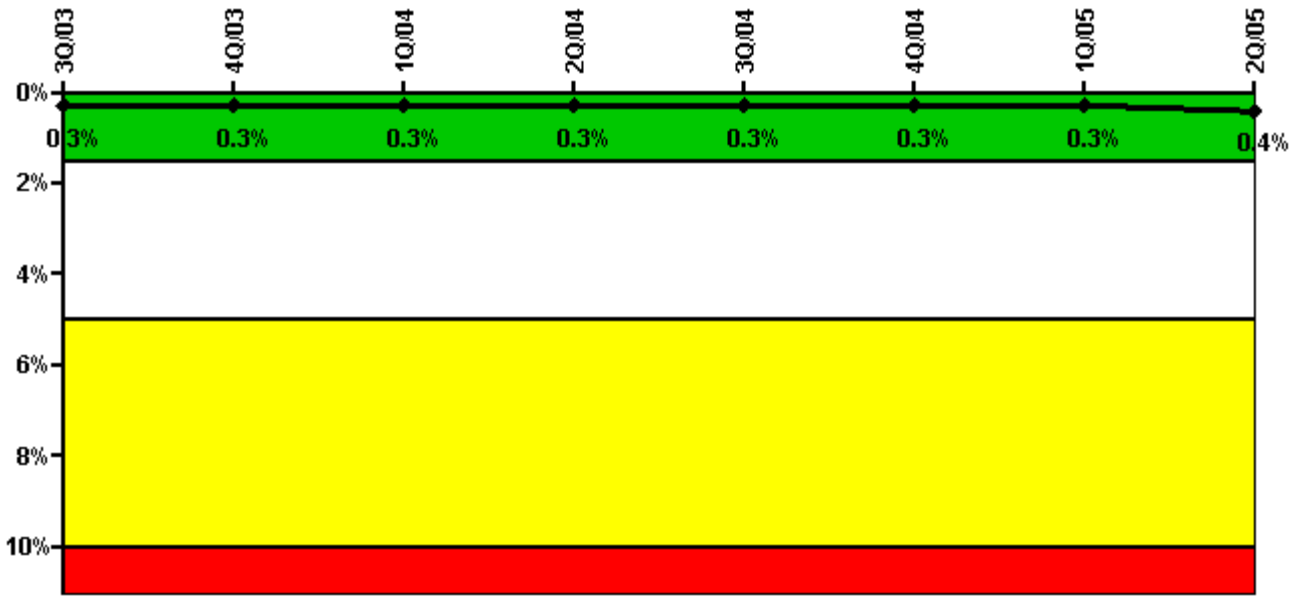
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### 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                                | 1.10        | 9.90        | 38.20       | 14.20       | 0           | 1.60        | 0.30        | 1.10        |
| Unplanned unavailable hours                              | 23.50       | 0           | 20.40       | 23.00       | 0           | 0           | 0           | 0           |
| Fault exposure hours                                     | 0           | 0           | 297.60      | 458.80      | 0           | 0           | 0           | 0           |
| Effective Reset hours                                    | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours   | 2208.00     | 2209.00     | 1789.17     | 2183.00     | 2208.00     | 2209.00     | 2109.13     | 2183.00     |
| <b>Indicator value</b>                                   | <b>0.7%</b> | <b>0.7%</b> | <b>2.1%</b> | <b>3.9%</b> | <b>3.9%</b> | <b>3.9%</b> | <b>3.8%</b> | <b>3.7%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



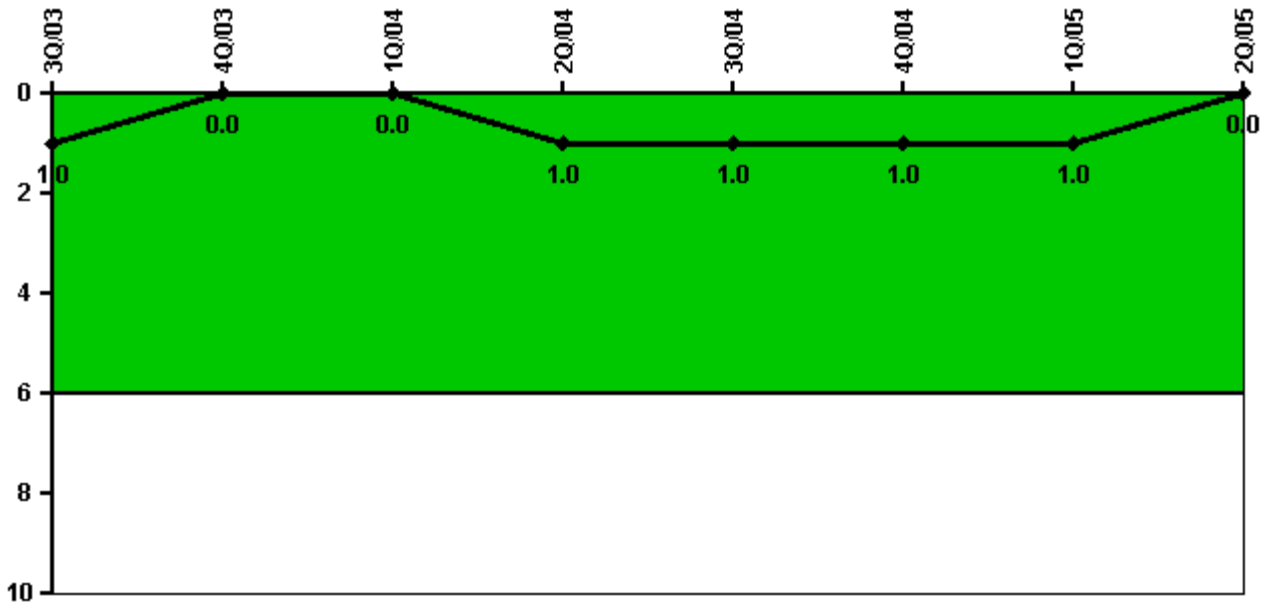
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**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                                  | 0           | 0           | 25.82       | 5.62        | 0           | 0           | 0           | 53.60       |
| 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                                  | 0           | 29.00       | 0           | 5.45        | 0.50        | 37.62       | 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     | 2184.00     | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2183.00     |
| <b>Indicator value</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> | <b>0.3%</b> | <b>0.4%</b> |

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

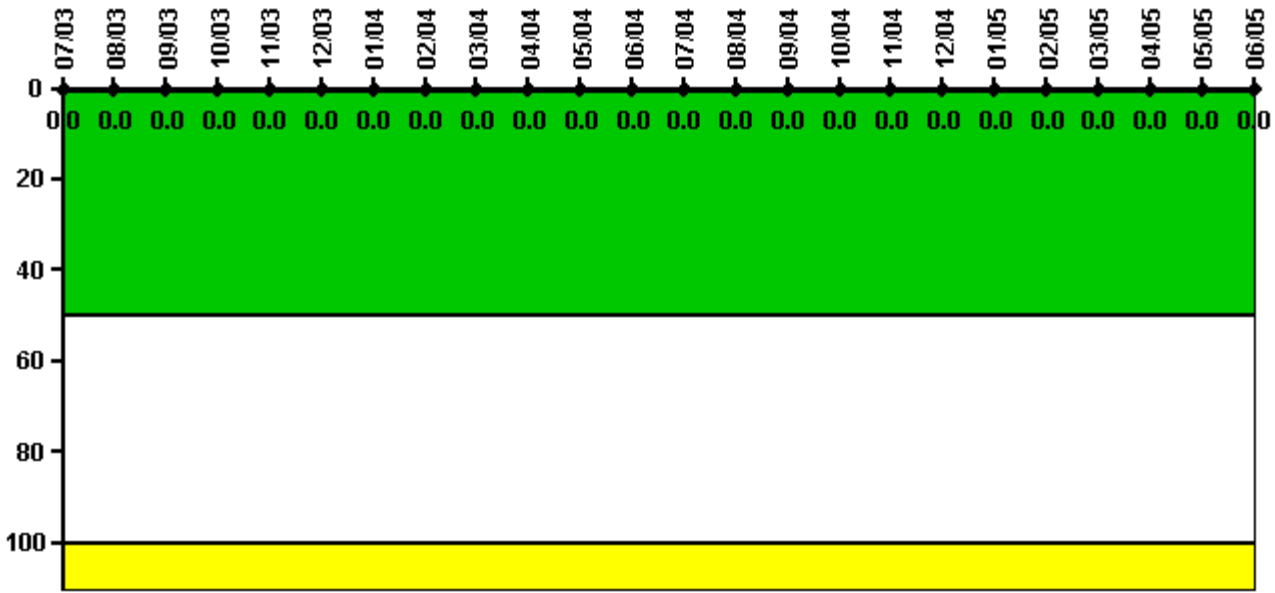
#### Notes

| 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     | 0     | 1     | 0     | 0     | 0     | 0     |
| Indicator value                         | 1     | 0     | 0     | 1     | 1     | 1     | 1     | 0     |

Licensee Comments: none



### Reactor Coolant System Activity



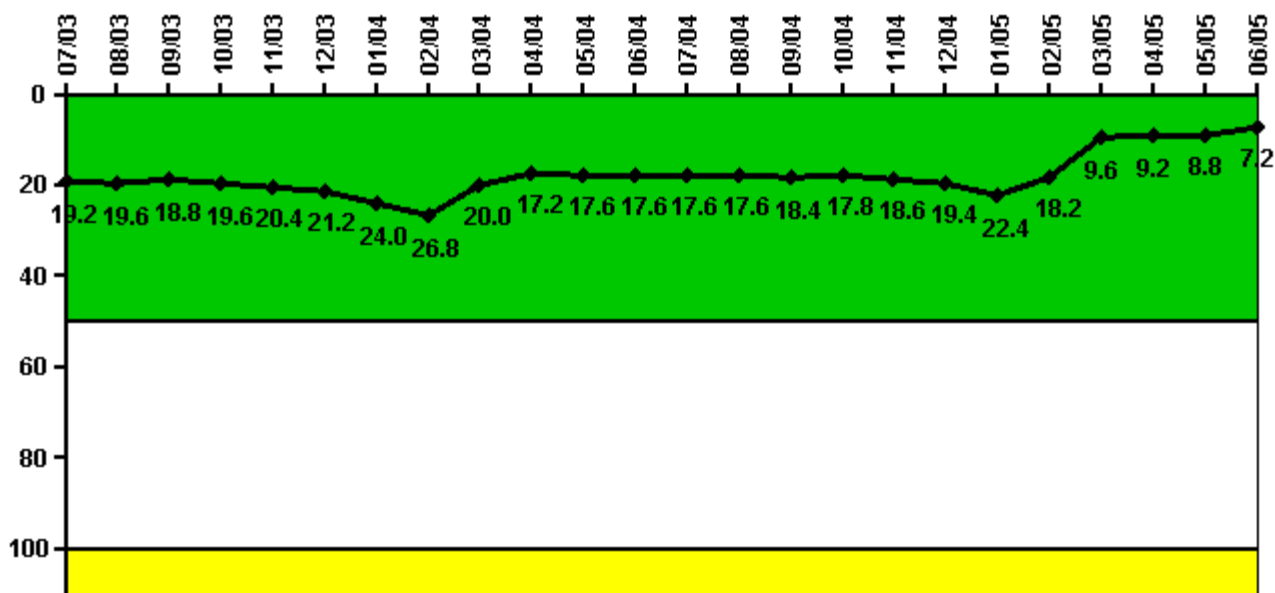
Thresholds: White > 50.0 Yellow > 100.0

#### 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                | 0.000016 | 0.000025 | 0.000021 | 0.000011 | 0.000011 | 0.000021 | 0.000024 | 0.000060 | 0.000005 | 0.000006 | 0.000005 | 0.000005 |
| 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                | 0.000005 | 0.000005 | 0.000006 | 0.000006 | 0.000006 | 0.000006 | 0.000006 | 0.000006 | 0.000006 | 0.000006 | 0.000007 | 0.000005 |
| 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

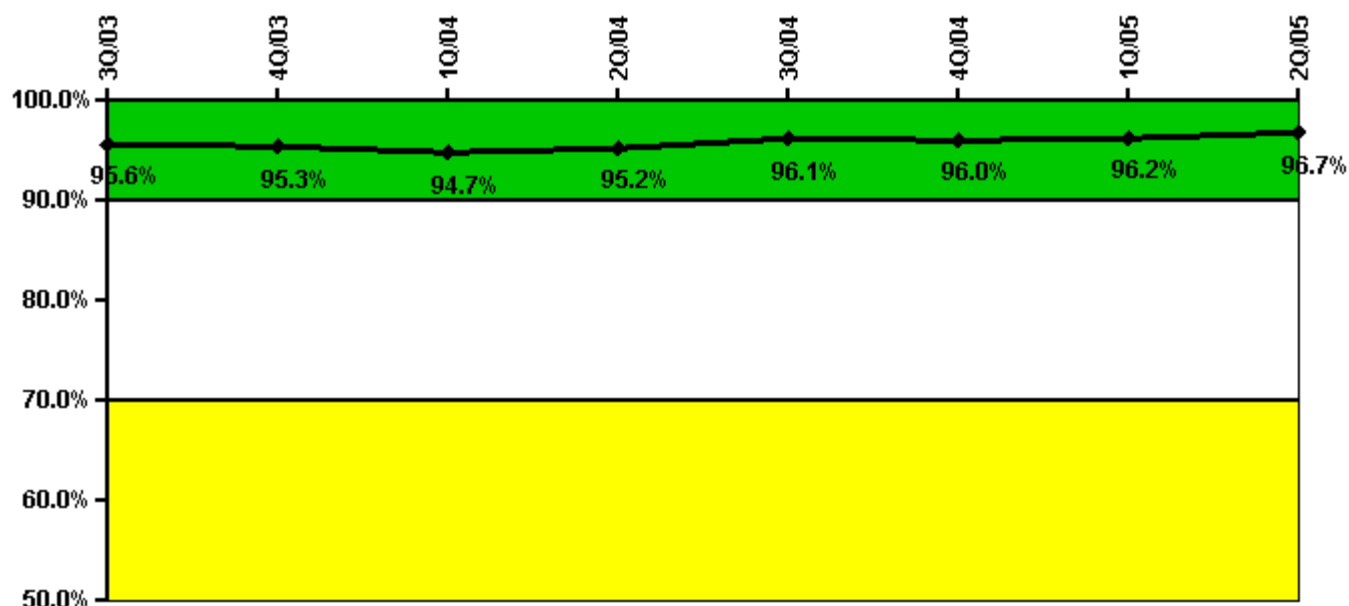
| Reactor Coolant System Leakage | 7/03  | 8/03  | 9/03  | 10/03 | 11/03 | 12/03 | 1/04  | 2/04  | 3/04  | 4/04  | 5/04  | 6/04  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 4.800 | 4.900 | 4.700 | 4.900 | 5.100 | 5.300 | 6.000 | 6.700 | 5.000 | 4.300 | 4.400 | 4.400 |
| 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                | 19.2  | 19.6  | 18.8  | 19.6  | 20.4  | 21.2  | 24.0  | 26.8  | 20.0  | 17.2  | 17.6  | 17.6  |

| 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                | 4.400 | 4.400 | 4.600 | 4.450 | 4.650 | 4.850 | 5.600 | 4.550 | 2.400 | 2.300 | 2.210 | 1.800 |
| 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                | 17.6  | 17.6  | 18.4  | 17.8  | 18.6  | 19.4  | 22.4  | 18.2  | 9.6   | 9.2   | 8.8   | 7.2   |

Licensee Comments: none

### Drill/Exercise Performance



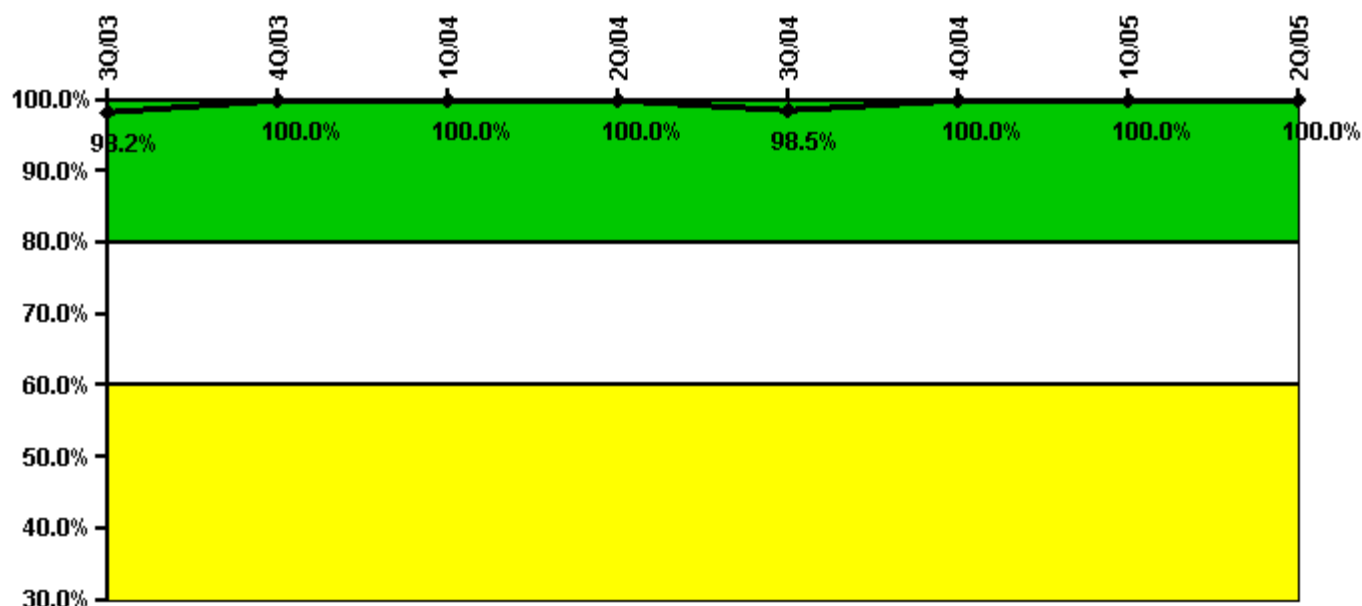
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 8.0   | 141.0 | 18.0  | 45.0  | 73.0  | 103.0 | 12.0  | 41.0  |
| Total opportunities        | 8.0   | 148.0 | 20.0  | 46.0  | 74.0  | 107.0 | 12.0  | 41.0  |
| Indicator value            | 95.6% | 95.3% | 94.7% | 95.2% | 96.1% | 96.0% | 96.2% | 96.7% |

Licensee Comments: none

### ERO Drill Participation



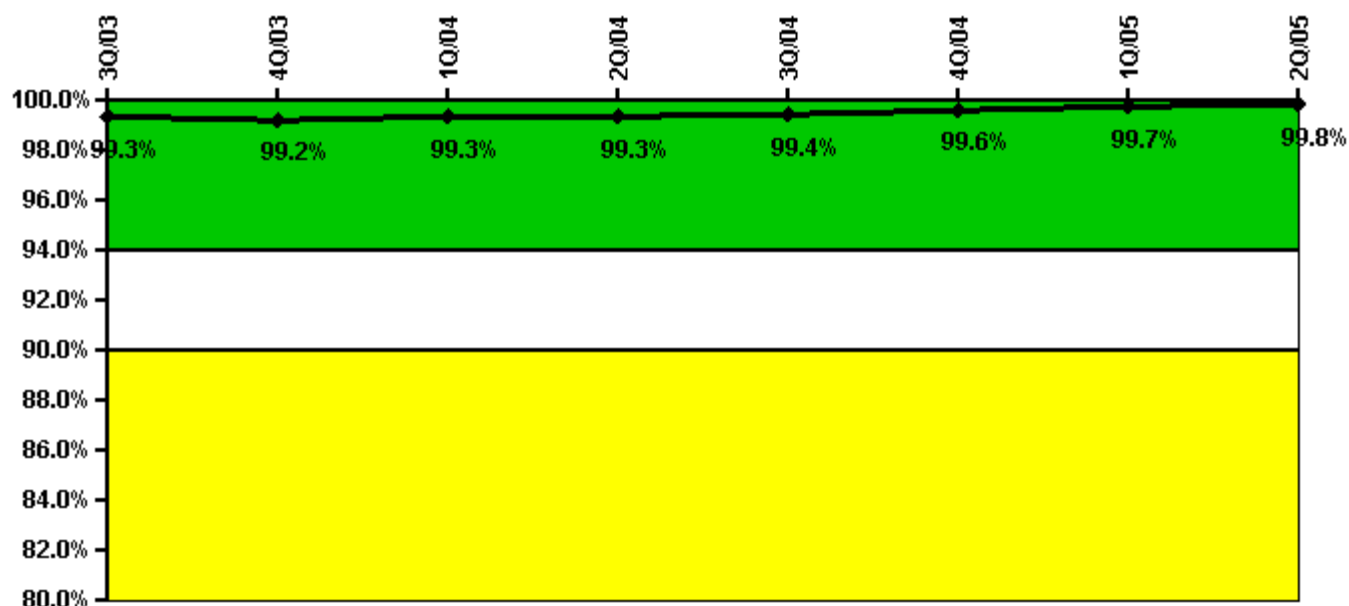
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 3Q/03 | 4Q/03  | 1Q/04  | 2Q/04  | 3Q/04 | 4Q/04  | 1Q/05  | 2Q/05  |
|-----------------------------|-------|--------|--------|--------|-------|--------|--------|--------|
| Participating Key personnel | 55.0  | 58.0   | 62.0   | 67.0   | 66.0  | 66.0   | 68.0   | 70.0   |
| Total Key personnel         | 56.0  | 58.0   | 62.0   | 67.0   | 67.0  | 66.0   | 68.0   | 70.0   |
| Indicator value             | 98.2% | 100.0% | 100.0% | 100.0% | 98.5% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

### Alert & Notification System



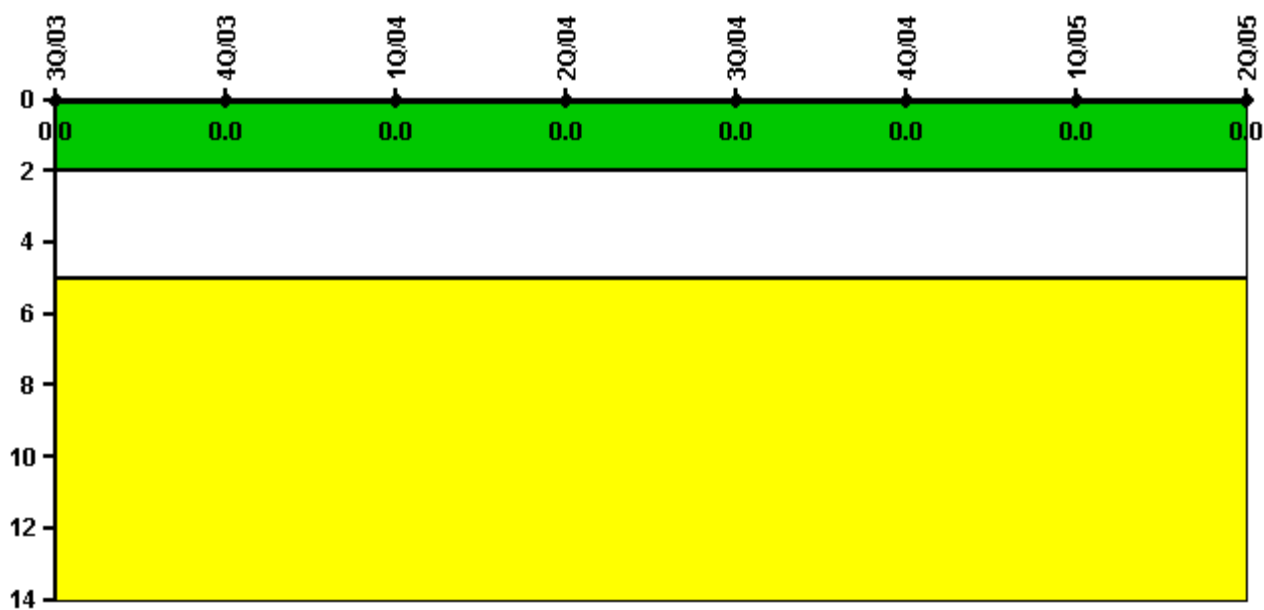
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 2129  | 2127  | 2134  | 2130  | 2140  | 2140  | 2143  | 2138  |
| Total sirens-tests          | 2145  | 2145  | 2145  | 2145  | 2145  | 2145  | 2145  | 2145  |
| Indicator value             | 99.3% | 99.2% | 99.3% | 99.3% | 99.4% | 99.6% | 99.7% | 99.8% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



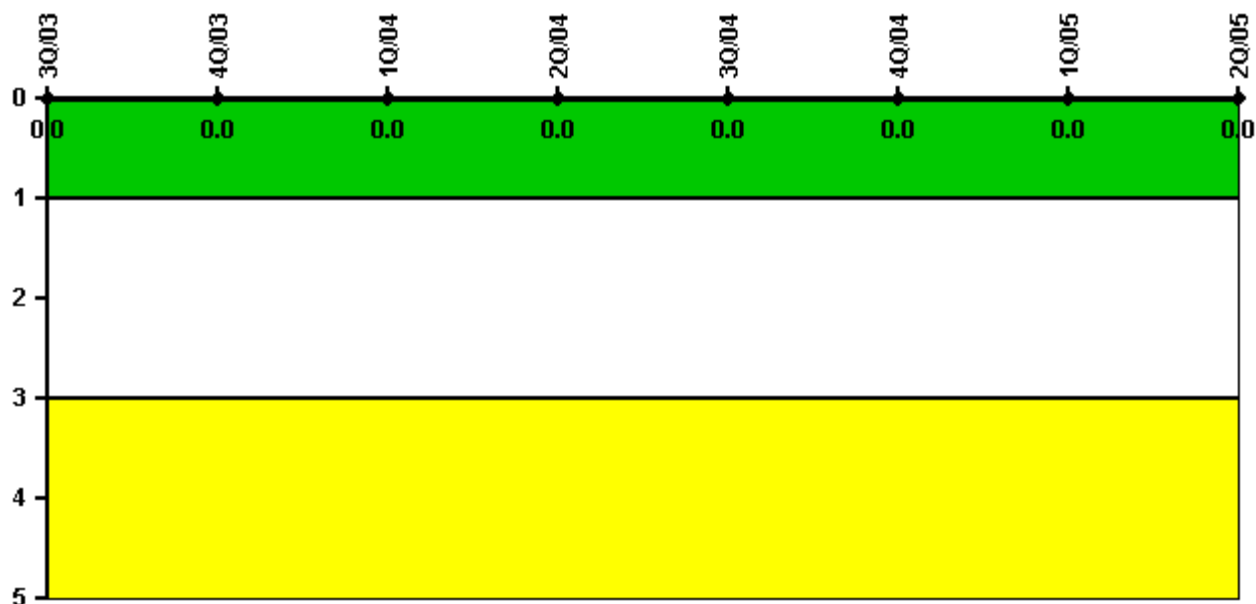
Thresholds: White > 2.0 Yellow > 5.0

#### 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.