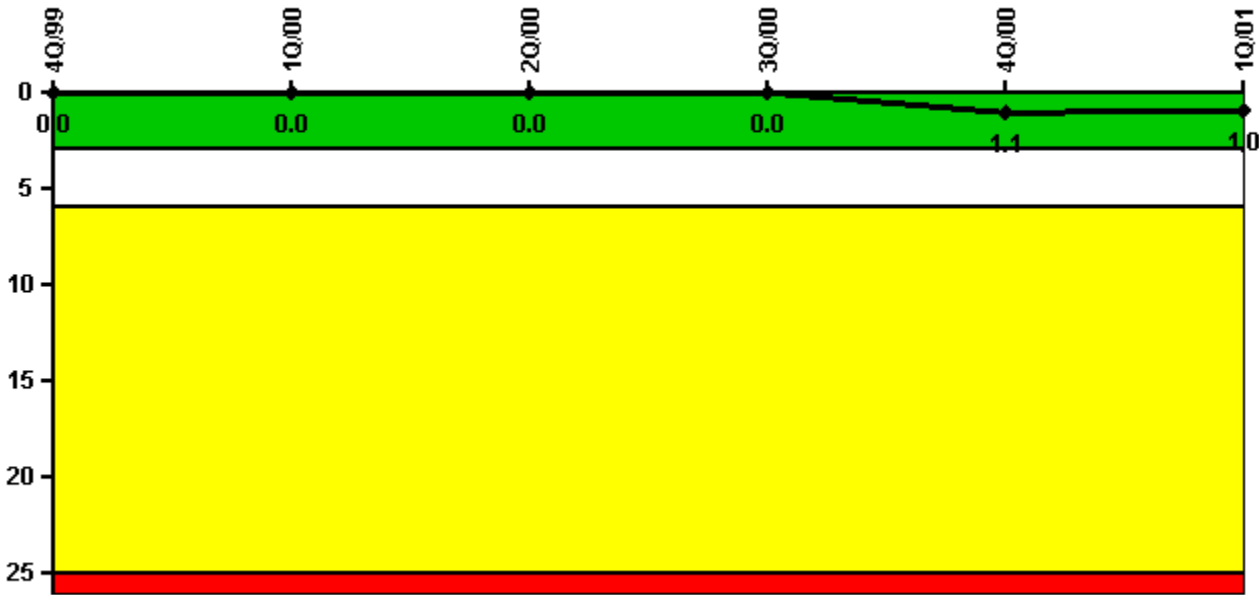


### Cooper

#### 1Q/2001 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 | 4Q/99    | 1Q/00    | 2Q/00    | 3Q/00    | 4Q/00      | 1Q/01      |
|--|----------|----------|----------|----------|------------|------------|
| Unplanned scrams                       | 0        | 0        | 0        | 0        | 1.0        | 0          |
| Critical hours                         | 2209.0   | 1369.4   | 849.5    | 2208.0   | 2092.6     | 1873.9     |
|  |          |          |          |          |            |            |
| <b>Indicator value</b>                 | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1.1</b> | <b>1.0</b> |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



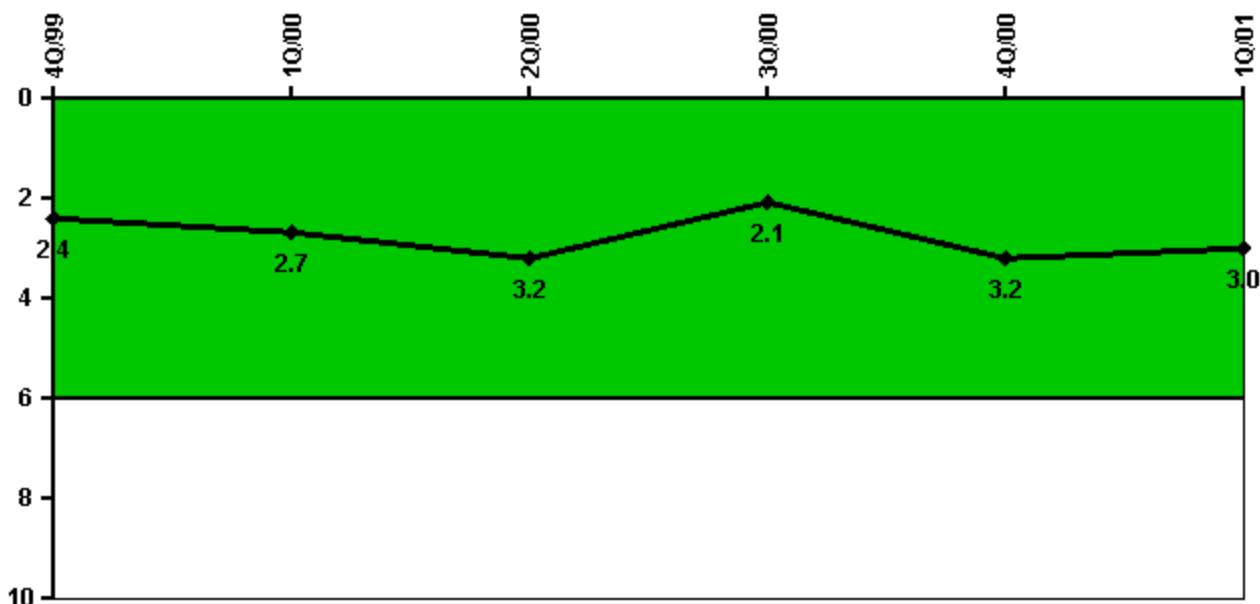
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|-------|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                         | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

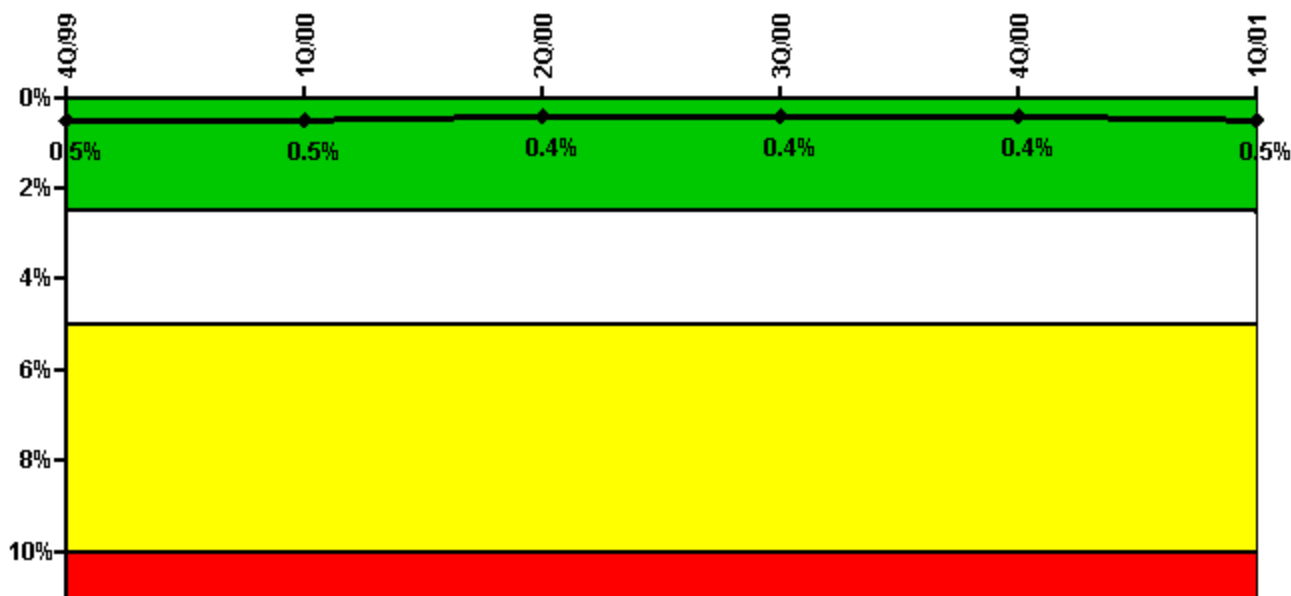
#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/99  | 1Q/00  | 2Q/00 | 3Q/00  | 4Q/00  | 1Q/01  |
|---|--------|--------|-------|--------|--------|--------|
| Unplanned power changes                       | 0      | 1.0    | 1.0   | 0      | 1.0    | 1.0    |
| Critical hours                                | 2209.0 | 1369.4 | 849.5 | 2208.0 | 2092.6 | 1873.9 |
|   |        |        |       |        |        |        |
| Indicator value                               | 2.4    | 2.7    | 3.2   | 2.1    | 3.2    | 3.0    |

Licensee Comments:

1Q/01: Feb - Z-Sump Level Switch LCO 3.0.3

### Safety System Unavailability, Emergency AC Power



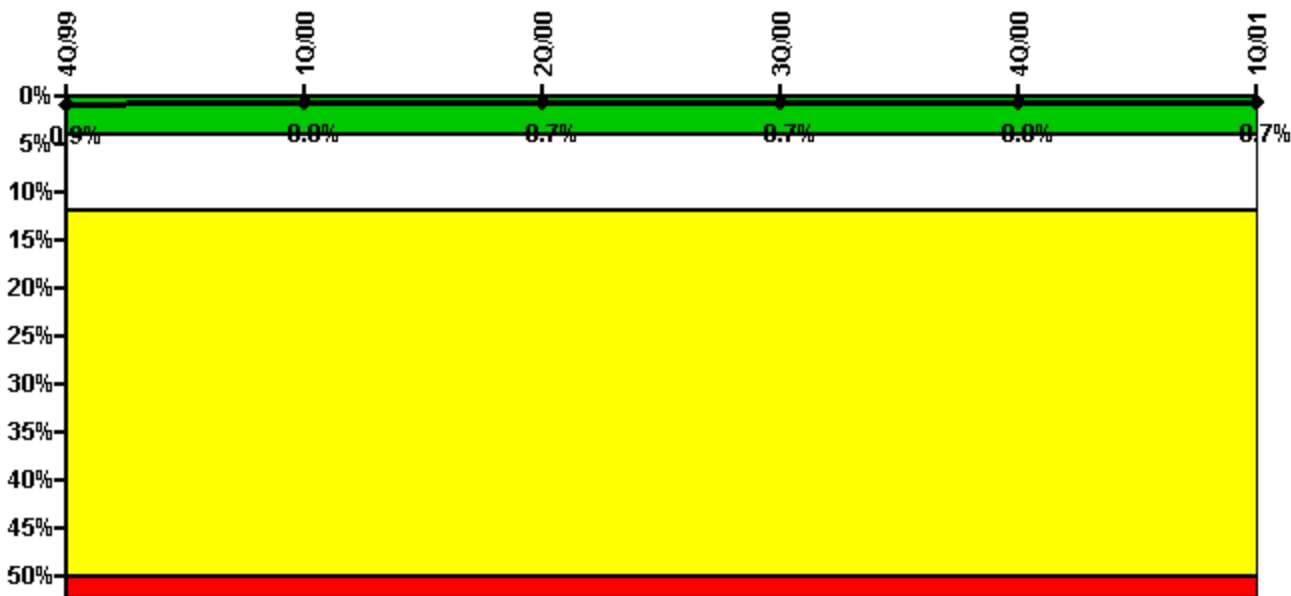
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Emergency AC Power | 4Q/99       | 1Q/00       | 2Q/00       | 3Q/00       | 4Q/00       | 1Q/01       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                                   |             |             |             |             |             |             |
| Planned unavailable hours                        | 0           | 0           | 0           | 1.10        | 18.02       | 11.20       |
| Unplanned unavailable hours                      | 0           | 0           | 0           | 0           | 7.95        | 0           |
| Fault exposure hours                             | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                            | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours                                   | 2209.00     | 2184.00     | 2071.20     | 2208.00     | 2208.00     | 2160.00     |
| <b>Train 2</b>                                   |             |             |             |             |             |             |
| Planned unavailable hours                        | 12.75       | 0           | 0           | 0.72        | 28.05       | 0           |
| Unplanned unavailable hours                      | 11.43       | 0           | 0           | 0           | 4.29        | 45.65       |
| Fault exposure hours                             | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                            | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours                                   | 2209.00     | 2184.00     | 2184.00     | 2208.00     | 2208.00     | 2160.00     |
|  |             |             |             |             |             |             |
| <b>Indicator value</b>                           | <b>0.5%</b> | <b>0.5%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.5%</b> |

Licensee Comments: none

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



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

#### Notes

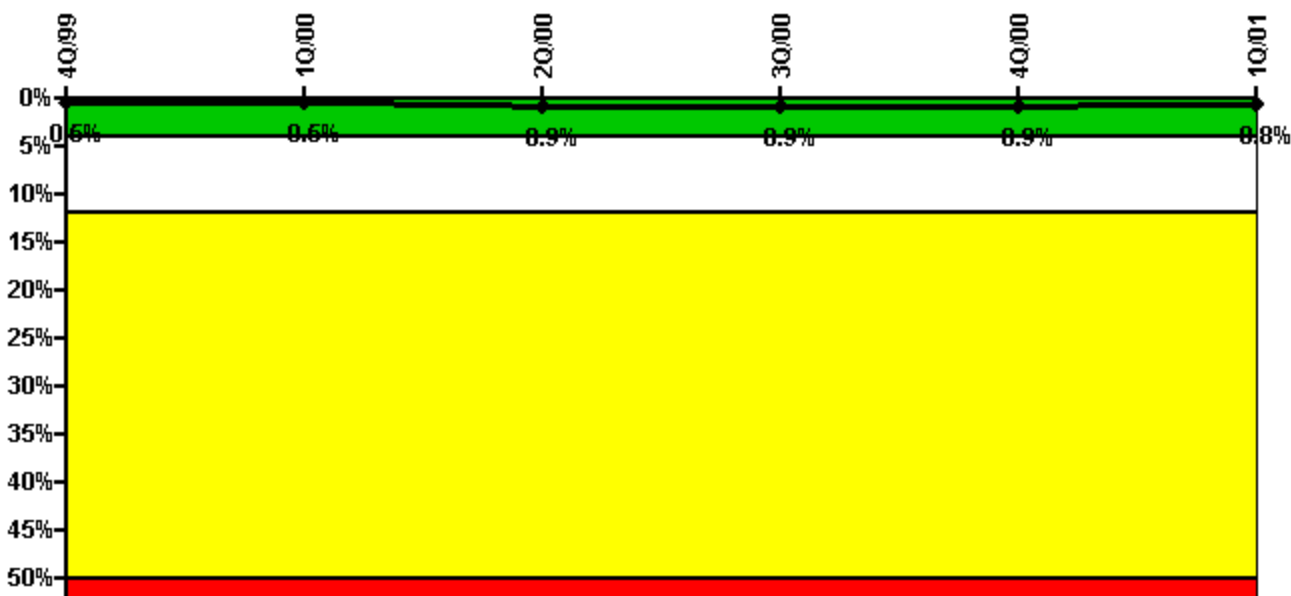
| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/99       | 1Q/00       | 2Q/00       | 3Q/00       | 4Q/00       | 1Q/01       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |
| Planned unavailable hours   | 0.30        | 0.13        | 0.43        | 1.74        | 31.48       | 1.22        |
| Unplanned unavailable hours   | 0           | 0           | 0           | 0           | 0           | 0           |
| Fault exposure hours  | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours   | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours  | 2209.00     | 1370.57     | 838.08      | 2208.00     | 2094.65     | 1833.20     |
|   |             |             |             |             |             |             |
| <b>Indicator value</b>  | <b>0.9%</b> | <b>0.8%</b> | <b>0.7%</b> | <b>0.7%</b> | <b>0.8%</b> | <b>0.7%</b> |

Licensee Comments:

3Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

2Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

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



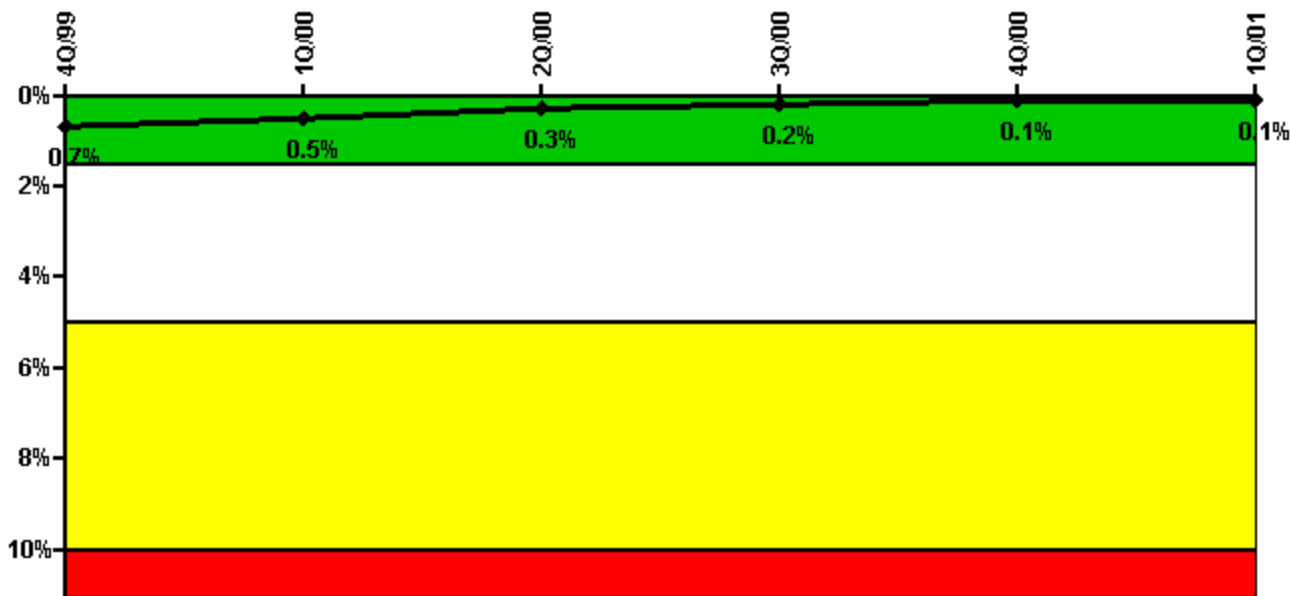
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/99       | 1Q/00       | 2Q/00       | 3Q/00       | 4Q/00       | 1Q/01       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |
| Planned unavailable hours                                | 2.62        | 0.85        | 0.10        | 3.35        | 7.39        | 0.22        |
| Unplanned unavailable hours                              | 0           | 0           | 80.77       | 0           | 0           | 0           |
| Fault exposure hours                                     | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                                    | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours   | 2209.00     | 1370.57     | 838.08      | 2208.00     | 2094.65     | 1833.20     |
|  |             |             |             |             |             |             |
| <b>Indicator value</b>                                   | <b>0.5%</b> | <b>0.5%</b> | <b>0.9%</b> | <b>0.9%</b> | <b>0.9%</b> | <b>0.8%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



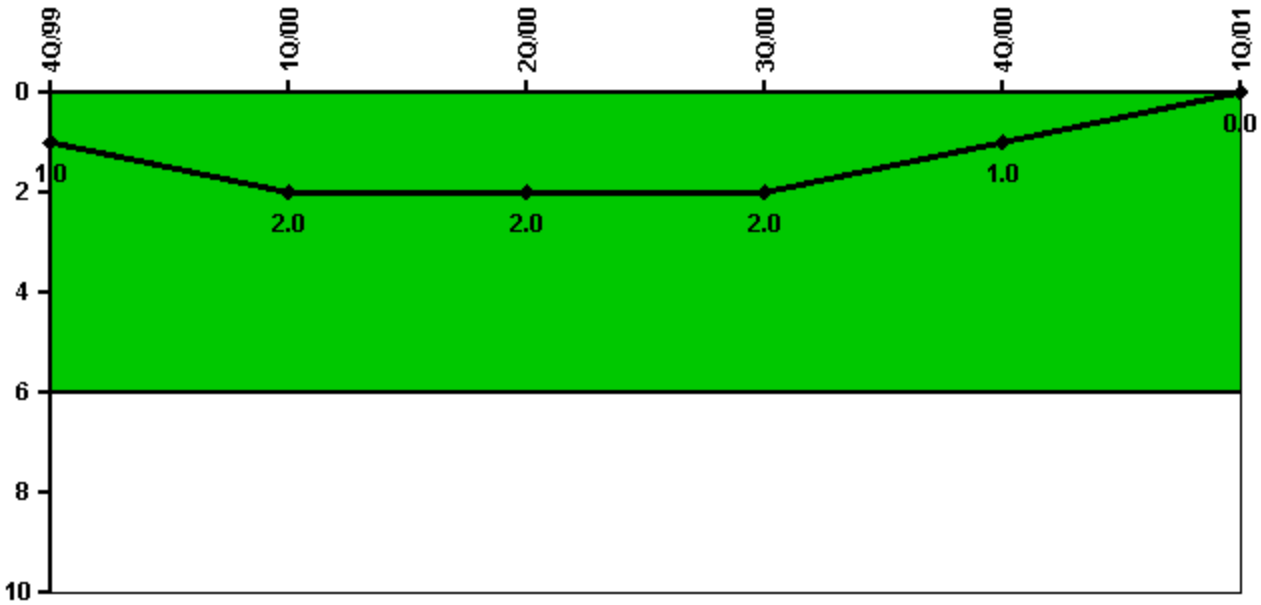
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/99       | 1Q/00       | 2Q/00       | 3Q/00       | 4Q/00       | 1Q/01       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |
| Planned unavailable hours                                  | 0           | 0.27        | 21.02       | 0           | 0.40        | 1.32        |
| Unplanned unavailable hours                                | 0           | 23.35       | 0           | 0           | 0           | 0           |
| Fault exposure hours                                       | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                                      | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours   | 2209.00     | 1664.85     | 2063.80     | 2208.00     | 2208.00     | 2080.00     |
| <b>Train 2</b>   |             |             |             |             |             |             |
| Planned unavailable hours                                  | 0           | 0           | 2.53        | 0           | 0.35        | 0.88        |
| Unplanned unavailable hours                                | 0           | 0           | 0           | 0           | 0           | 0           |
| Fault exposure hours                                       | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                                      | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours   | 2209.00     | 1664.85     | 2063.80     | 2208.00     | 2208.00     | 2080.00     |
|  |             |             |             |             |             |             |
| <b>Indicator value</b>                                     | <b>0.7%</b> | <b>0.5%</b> | <b>0.3%</b> | <b>0.2%</b> | <b>0.1%</b> | <b>0.1%</b> |

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

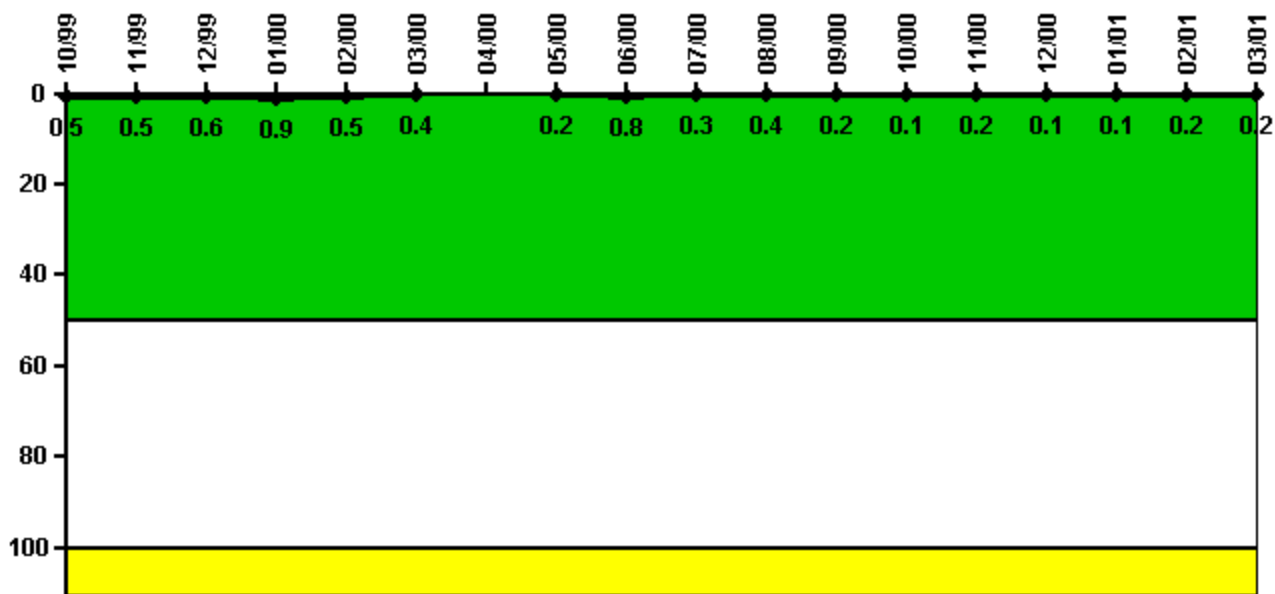
#### Notes

| Safety System Functional Failures (BWR) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 1     | 1     | 0     | 0     | 0     | 0     |
| Indicator value                         | 1     | 2     | 2     | 2     | 1     | 0     |

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

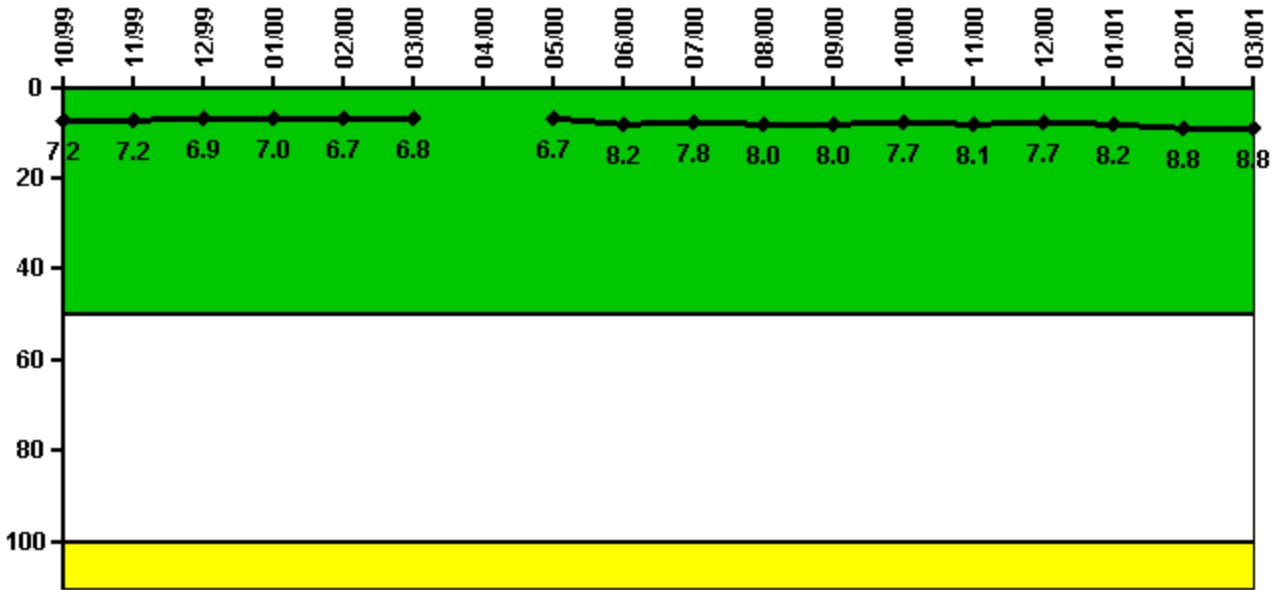
#### Notes

| Reactor Coolant System Activity | 10/99    | 11/99    | 12/99    | 1/00     | 2/00     | 3/00     | 4/00 | 5/00     | 6/00     | 7/00     | 8/00     | 9/00     |
|---------------------------------|----------|----------|----------|----------|----------|----------|------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.001070 | 0.001060 | 0.001140 | 0.001710 | 0.001060 | 0.000774 | N/A  | 0.000410 | 0.001690 | 0.000681 | 0.000727 | 0.000454 |
| 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                 | 0.5      | 0.5      | 0.6      | 0.9      | 0.5      | 0.4      | N/A  | 0.2      | 0.8      | 0.3      | 0.4      | 0.2      |

| Reactor Coolant System Activity | 10/00    | 11/00    | 12/00    | 1/01     | 2/01     | 3/01     |
|---------------------------------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000195 | 0.000434 | 0.000238 | 0.000283 | 0.000329 | 0.000427 |
| Technical specification limit   | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Indicator value                 | 0.1      | 0.2      | 0.1      | 0.1      | 0.2      | 0.2      |

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

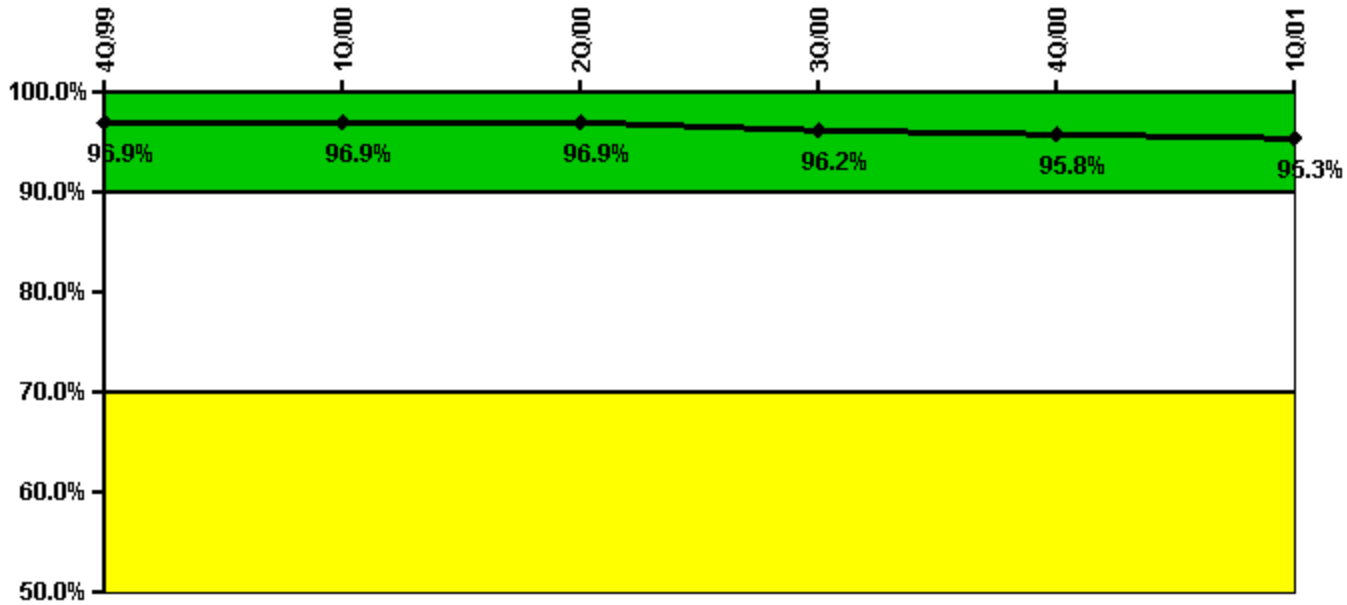
#### Notes

| Reactor Coolant System Leakage | 10/99 | 11/99 | 12/99 | 1/00  | 2/00  | 3/00  | 4/00 | 5/00  | 6/00  | 7/00  | 8/00  | 9/00  |
|--------------------------------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| Maximum leakage                | 2.145 | 2.145 | 2.058 | 2.097 | 2.023 | 2.037 | N/A  | 2.000 | 2.453 | 2.348 | 2.390 | 2.410 |
| 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   | 7.2   | 6.9   | 7.0   | 6.7   | 6.8   | N/A  | 6.7   | 8.2   | 7.8   | 8.0   | 8.0   |

| Reactor Coolant System Leakage | 10/00 | 11/00 | 12/00 | 1/01  | 2/01  | 3/01  |
|--------------------------------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 2.320 | 2.443 | 2.312 | 2.464 | 2.630 | 2.626 |
| Technical specification limit  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  |
| Indicator value                | 7.7   | 8.1   | 7.7   | 8.2   | 8.8   | 8.8   |

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

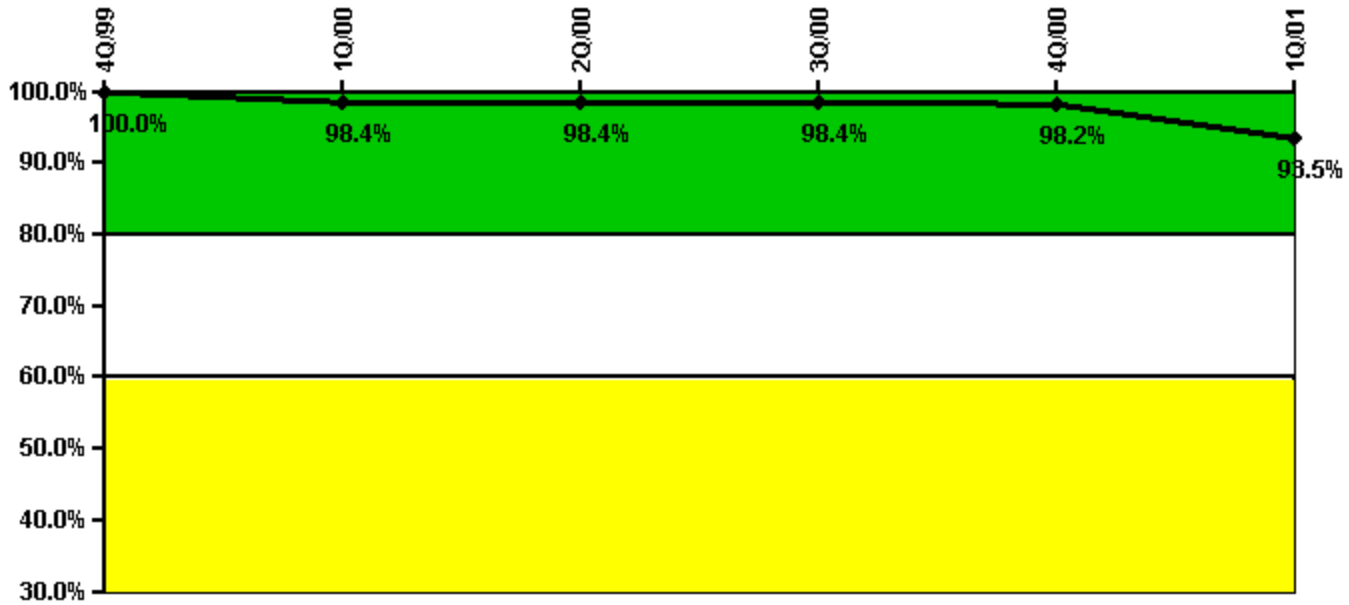
#### Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|----------------------------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 60.0  | 3.0   | 44.0  | 24.0  | 62.0  | 8.0   |
| Total opportunities        | 63.0  | 3.0   | 45.0  | 27.0  | 66.0  | 8.0   |
|                            |       |       |       |       |       |       |
| Indicator value            | 96.9% | 96.9% | 96.9% | 96.2% | 95.8% | 95.3% |

Licensee Comments:

4Q/00: 12/2000 Data omitted Operations simulator drills. Changed from 8 to 24. JWD 7/12/2001

### ERO Drill Participation



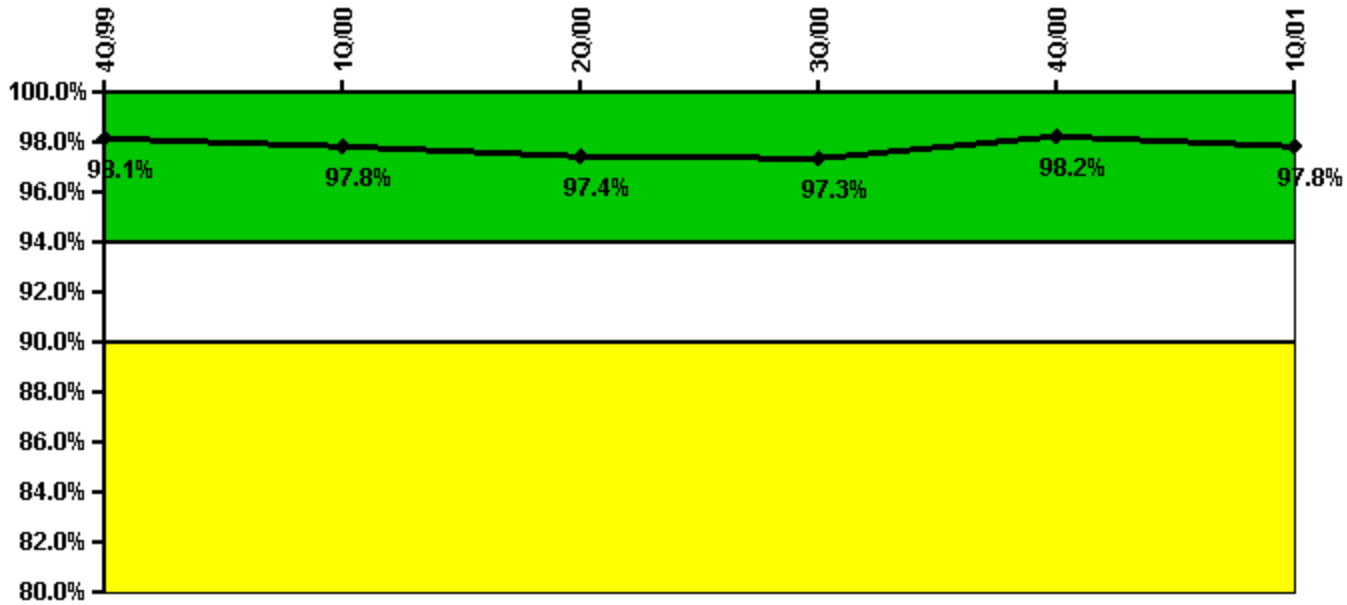
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 4Q/99  | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|-----------------------------|--------|-------|-------|-------|-------|-------|
| Participating Key personnel | 125.0  | 125.0 | 125.0 | 126.0 | 108.0 | 100.0 |
| Total Key personnel         | 125.0  | 127.0 | 127.0 | 128.0 | 110.0 | 107.0 |
|                             |        |       |       |       |       |       |
| Indicator value             | 100.0% | 98.4% | 98.4% | 98.4% | 98.2% | 93.5% |

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 161   | 142   | 141   | 140   | 166   | 140   |
| Total sirens-tests          | 168   | 144   | 144   | 144   | 168   | 144   |
|                             |       |       |       |       |       |       |
| Indicator value             | 98.1% | 97.8% | 97.4% | 97.3% | 98.2% | 97.8% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Occupational Exposure Control Effectiveness | 4Q/99    | 1Q/00    | 2Q/00    | 3Q/00    | 4Q/00    | 1Q/01    |
|---|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences             | 0        | 0        | 0        | 0        | 0        | 0        |
| Very high radiation area occurrences        | 0        | 0        | 0        | 0        | 0        | 0        |
| Unintended exposure occurrences             | 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> |

Licensee Comments: none

### RETS/ODCM Radiological Effluent



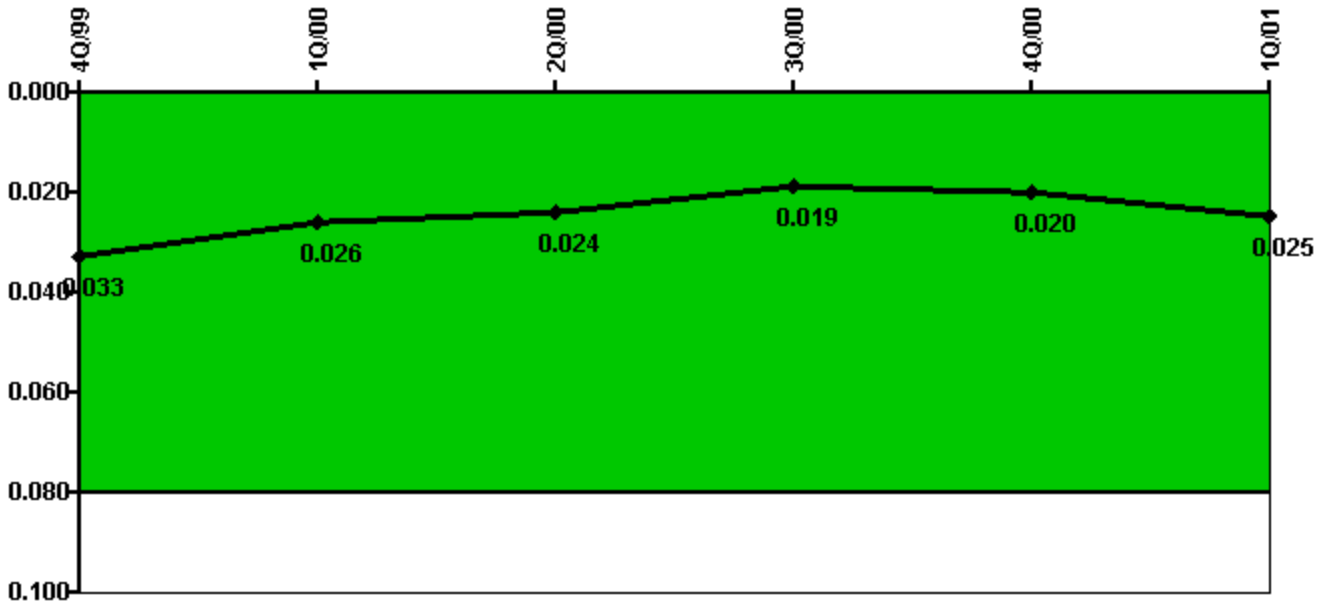
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

| RETS/ODCM Radiological Effluent | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---------------------------------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences           | 0     | 0     | 0     | 0     | 0     | 0     |
|                                 |       |       |       |       |       |       |
| Indicator value                 | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### Protected Area Security Performance Index



Thresholds: White > 0.080

#### Notes

| Protected Area Security Performance Index | 4Q/99        | 1Q/00        | 2Q/00        | 3Q/00        | 4Q/00        | 1Q/01        |
|---|--------------|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours                    | 131.02       | 27.50        | 141.89       | 84.28        | 130.19       | 150.12       |
| CCTV compensatory hours                   | 30.7         | 4.1          | 1.6          | 0.7          | 48.4         | 3.0          |
| IDS normalization factor                  | 1.30         | 1.30         | 1.30         | 1.30         | 1.30         | 1.30         |
| CCTV normalization factor                 | 1.1          | 1.1          | 1.1          | 1.1          | 1.1          | 1.1          |
|   |              |              |              |              |              |              |
| <b>Index Value</b>                        | <b>0.033</b> | <b>0.026</b> | <b>0.024</b> | <b>0.019</b> | <b>0.020</b> | <b>0.025</b> |

Licensee Comments: none



### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Personnel Screening Program | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|
| Program failures            | 0     | 0     | 0     | 0     | 0     | 0     |
|                             |       |       |       |       |       |       |
| Indicator value             | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| FFD/Personnel Reliability | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---------------------------|-------|-------|-------|-------|-------|-------|
| Program Failures          | 0     | 0     | 0     | 0     | 0     | 0     |
|                           |       |       |       |       |       |       |
| Indicator value           | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

▲ [PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002