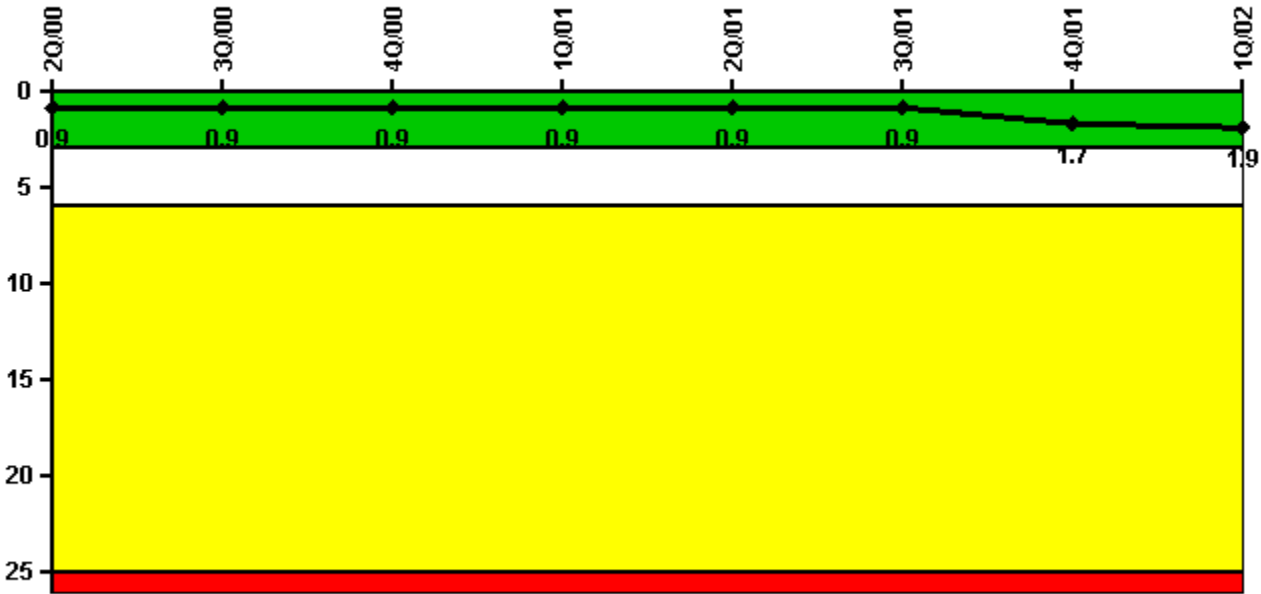


## Prairie Island 2

### 1Q/2002 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



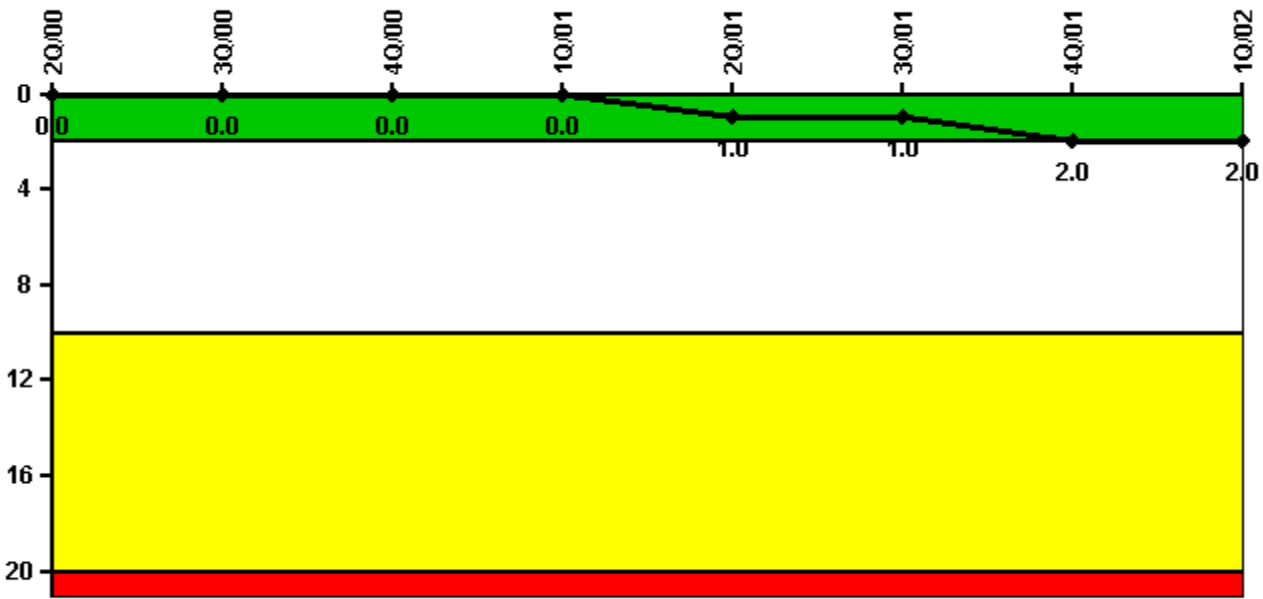
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/00  | 3Q/00  | 4Q/00  | 1Q/01  | 2Q/01  | 3Q/01  | 4Q/01  | 1Q/02  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 1.0    | 0      | 0      | 0      | 1.0    | 0      | 1.0    | 0      |
| Critical hours                         | 1257.2 | 2208.0 | 2209.0 | 2160.0 | 1560.7 | 2208.0 | 2163.3 | 1506.1 |
|  |        |        |        |        |        |        |        |        |
| Indicator value                        | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.7    | 1.9    |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



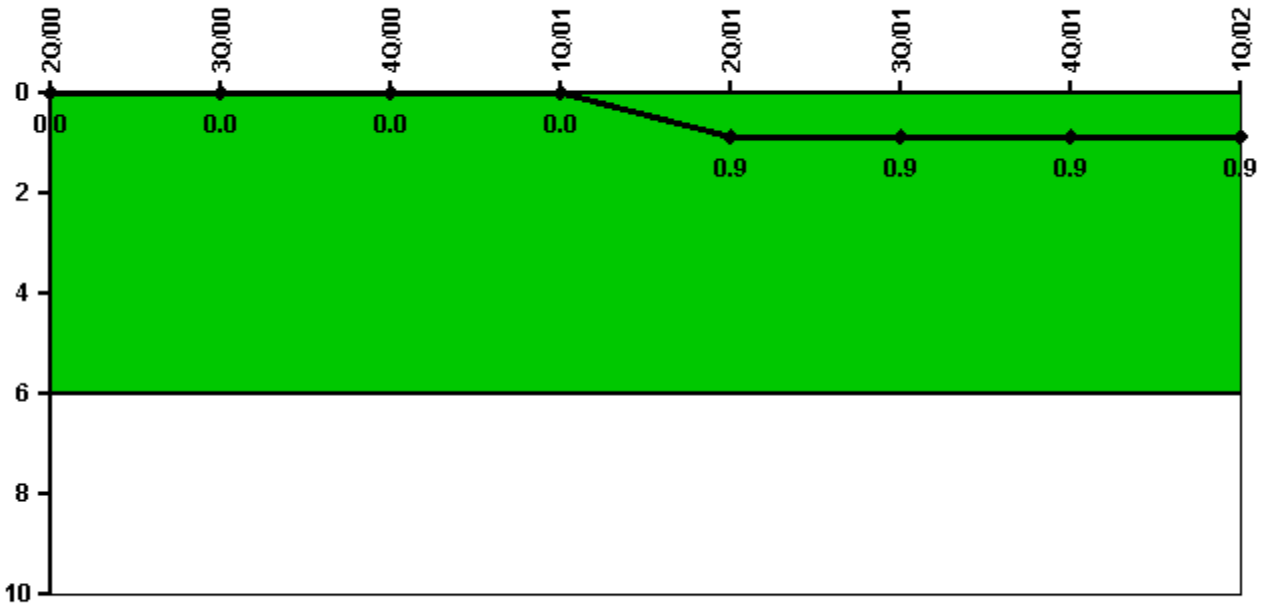
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 0     | 0     | 0     | 1.0   | 0     | 1.0   | 0     |
|   |       |       |       |       |       |       |       |       |
| Indicator value                         | 0     | 0     | 0     | 0     | 1.0   | 1.0   | 2.0   | 2.0   |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



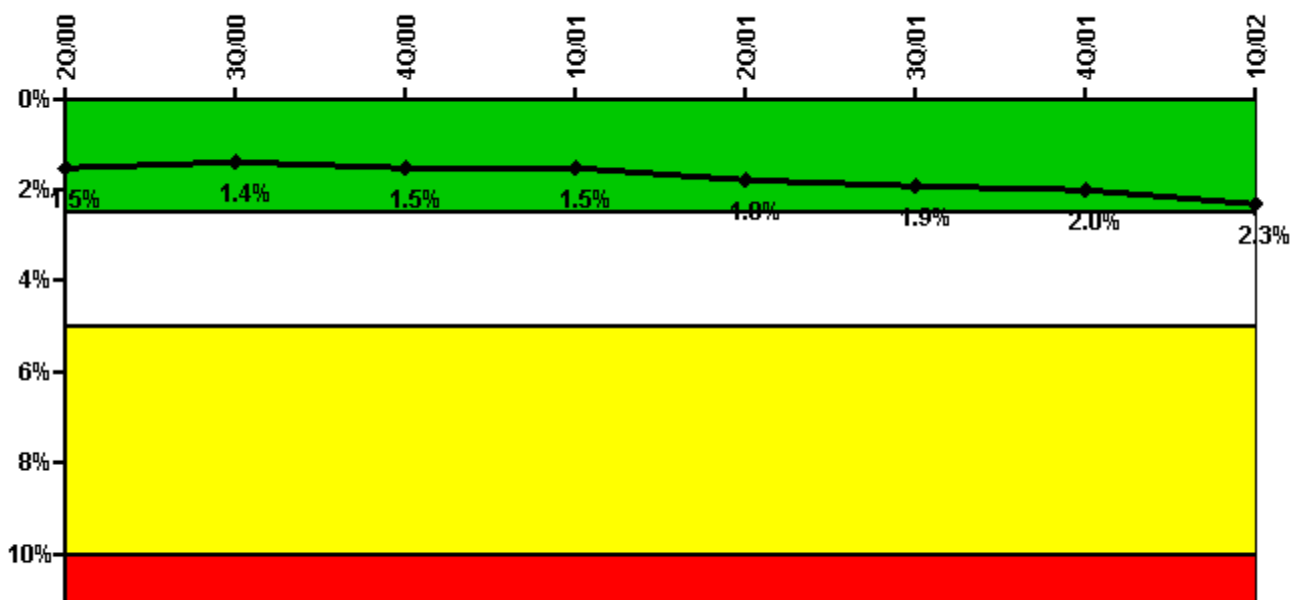
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/00  | 3Q/00  | 4Q/00  | 1Q/01  | 2Q/01  | 3Q/01  | 4Q/01  | 1Q/02  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0      | 1.0    | 0      | 0      | 0      |
| Critical hours                                | 1257.2 | 2208.0 | 2209.0 | 2160.0 | 1560.7 | 2208.0 | 2163.3 | 1506.1 |
|   |        |        |        |        |        |        |        |        |
| Indicator value                               | 0      | 0      | 0      | 0      | 0.9    | 0.9    | 0.9    | 0.9    |

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



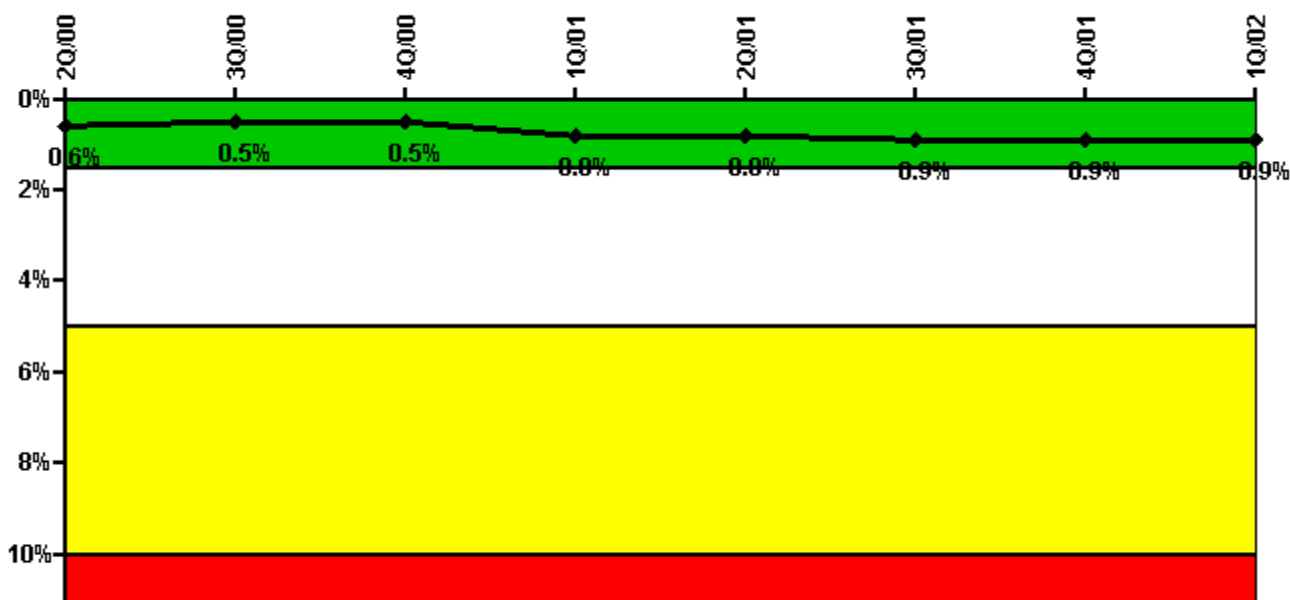
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Emergency AC Power | 2Q/00   | 3Q/00   | 4Q/00   | 1Q/01   | 2Q/01   | 3Q/01   | 4Q/01   | 1Q/02   |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Train 1</b>                                   |         |         |         |         |         |         |         |         |
| Planned unavailable hours                        | 3.79    | 6.30    | 10.27   | 20.07   | 2.02    | 28.68   | 28.13   | 27.43   |
| Unplanned unavailable hours                      | 0       | 0       | 15.17   | 6.53    | 27.25   | 4.18    | 0       | 10.77   |
| Fault exposure hours                             | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Effective Reset hours                            | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Required hours                                   | 2057.75 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| <b>Train 2</b>                                   |         |         |         |         |         |         |         |         |
| Planned unavailable hours                        | 5.23    | 6.40    | 5.51    | 6.18    | 28.60   | 8.07    | 5.35    | 84.24   |
| Unplanned unavailable hours                      | 0       | 15.75   | 1.62    | 0       | 199.42  | 0       | 17.42   | 62.45   |
| Fault exposure hours                             | 0       | 0       | 0       | 0       | 0       | 0       | 8.78    | 0       |
| Effective Reset hours                            | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Required hours                                   | 2057.75 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
|  |         |         |         |         |         |         |         |         |
| Indicator value                                  | 1.5%    | 1.4%    | 1.5%    | 1.5%    | 1.8%    | 1.9%    | 2.0%    | 2.3%    |

Licensee Comments: none

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



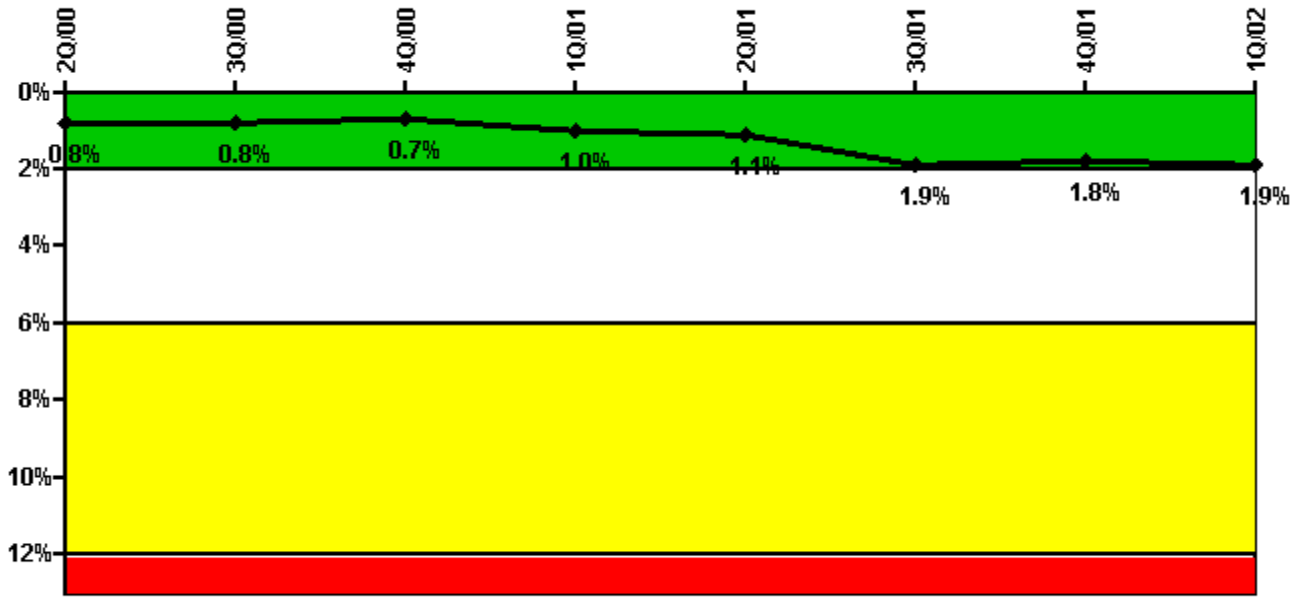
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 2Q/00   | 3Q/00   | 4Q/00   | 1Q/01   | 2Q/01   | 3Q/01   | 4Q/01   | 1Q/02   |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Train 1</b>  |         |         |         |         |         |         |         |         |
| Planned unavailable hours   | 33.00   | 1.87    | 2.03    | 140.13  | 9.23    | 46.89   | 1.81    | 14.95   |
| Unplanned unavailable hours   | 14.07   | 0       | 27.92   | 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  | 1257.14 | 2208.00 | 2209.00 | 2160.00 | 1560.70 | 2208.00 | 2163.30 | 1506.10 |
| <b>Train 2</b>  |         |         |         |         |         |         |         |         |
| Planned unavailable hours   | 20.67   | 9.20    | 0.85    | 1.05    | 10.79   | 22.66   | 14.07   | 1.20    |
| Unplanned unavailable hours   | 0.35    | 0       | 7.50    | 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  | 1257.14 | 2208.00 | 2209.00 | 2160.00 | 1560.70 | 2208.00 | 2163.30 | 1506.10 |
| Indicator value   | 0.6%    | 0.5%    | 0.5%    | 0.8%    | 0.8%    | 0.9%    | 0.9%    | 0.9%    |

Licensee Comments: none

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



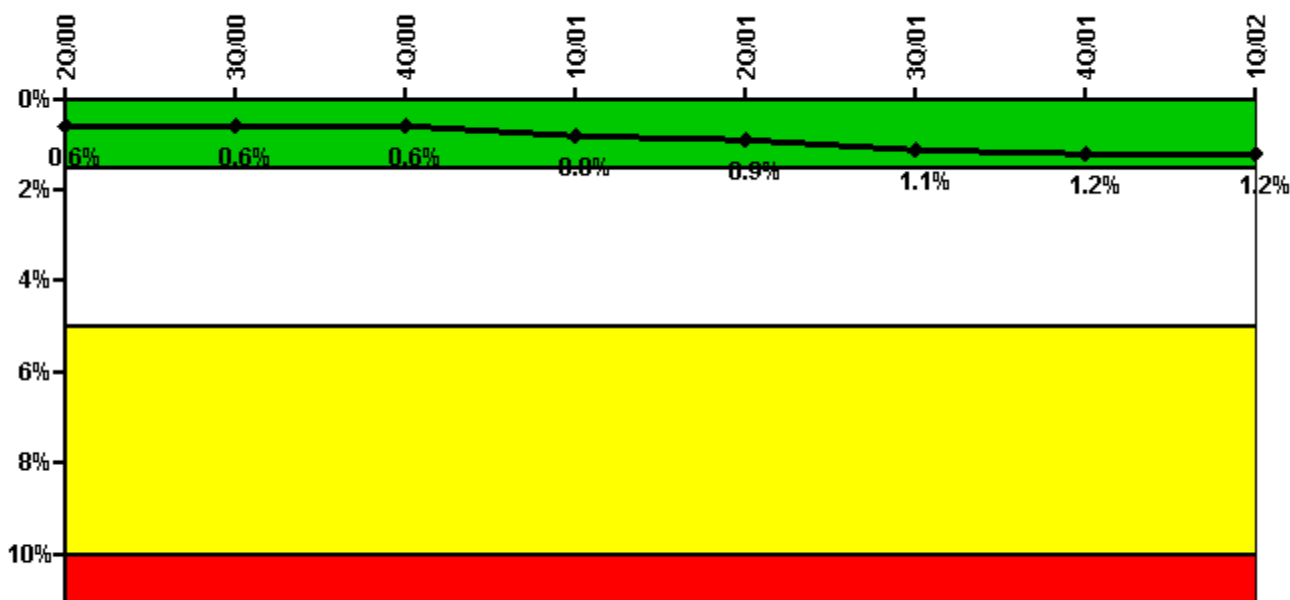
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

| Safety System Unavailability, Heat Removal System (AFW) | 2Q/00   | 3Q/00   | 4Q/00   | 1Q/01   | 2Q/01   | 3Q/01   | 4Q/01   | 1Q/02   |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Train 1</b>  |         |         |         |         |         |         |         |         |
| Planned unavailable hours                               | 8.75    | 8.63    | 7.01    | 145.70  | 8.79    | 10.84   | 6.07    | 14.62   |
| Unplanned unavailable hours                             | 11.37   | 0       | 4.50    | 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  | 1257.14 | 2208.00 | 2209.00 | 2160.00 | 1560.70 | 2208.00 | 2163.30 | 1506.10 |
| <b>Train 2</b>  |         |         |         |         |         |         |         |         |
| Planned unavailable hours                               | 7.16    | 7.69    | 32.85   | 15.27   | 13.75   | 10.73   | 22.86   | 14.42   |
| Unplanned unavailable hours                             | 0.58    | 0       | 7.50    | 0       | 8.50    | 13.97   | 0       | 0       |
| Fault exposure hours                                    | 0       | 0       | 0       | 0       | 0       | 390.88  | 0       | 0       |
| Effective Reset hours                                   | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Required hours  | 1257.14 | 2208.00 | 2209.00 | 2160.00 | 1560.70 | 2208.00 | 2163.30 | 1506.10 |
| Indicator value   | 0.8%    | 0.8%    | 0.7%    | 1.0%    | 1.1%    | 1.9%    | 1.8%    | 1.9%    |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



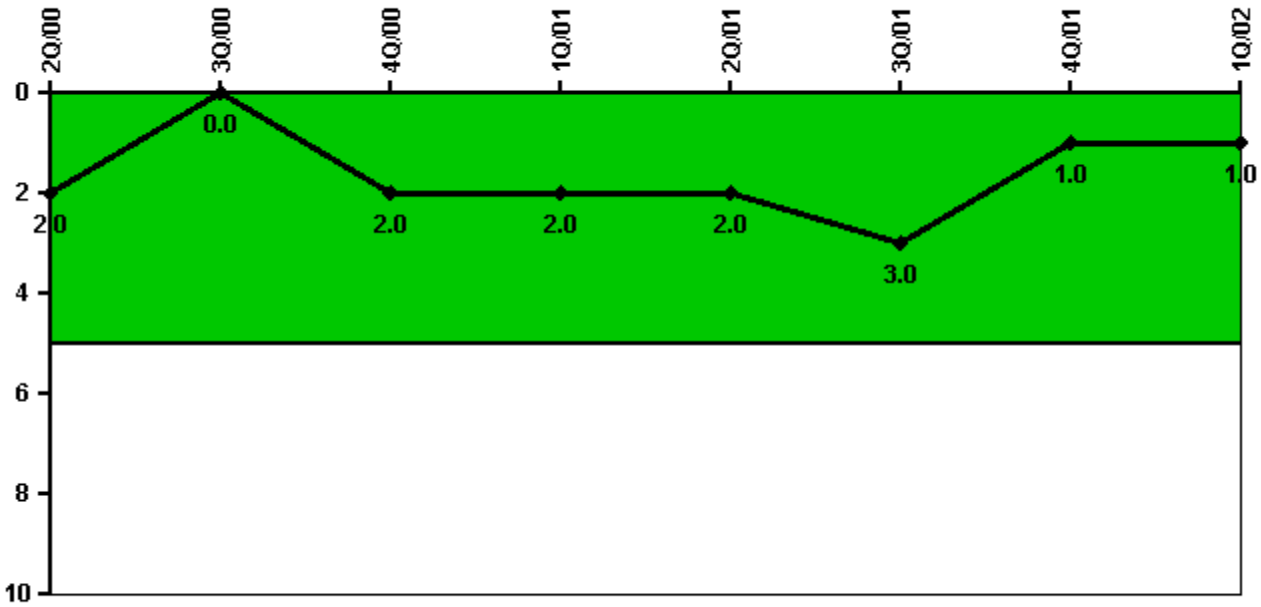
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/00   | 3Q/00   | 4Q/00   | 1Q/01   | 2Q/01   | 3Q/01   | 4Q/01   | 1Q/02   |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Train 1</b>   |         |         |         |         |         |         |         |         |
| Planned unavailable hours                                  | 33.84   | 13.00   | 14.34   | 140.23  | 10.18   | 72.87   | 43.88   | 7.50    |
| Unplanned unavailable hours                                | 14.07   | 0       | 27.92   | 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   | 2057.75 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| <b>Train 2</b>   |         |         |         |         |         |         |         |         |
| Planned unavailable hours                                  | 21.20   | 18.60   | 0.93    | 1.15    | 19.83   | 23.11   | 24.52   | 0.60    |
| Unplanned unavailable hours                                | 0.35    | 0       | 7.50    | 0       | 23.03   | 0       | 0       | 10.80   |
| Fault exposure hours                                       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Effective Reset hours                                      | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Required hours   | 2057.75 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
|  |         |         |         |         |         |         |         |         |
| Indicator value  | 0.6%    | 0.6%    | 0.6%    | 0.8%    | 0.9%    | 1.1%    | 1.2%    | 1.2%    |

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

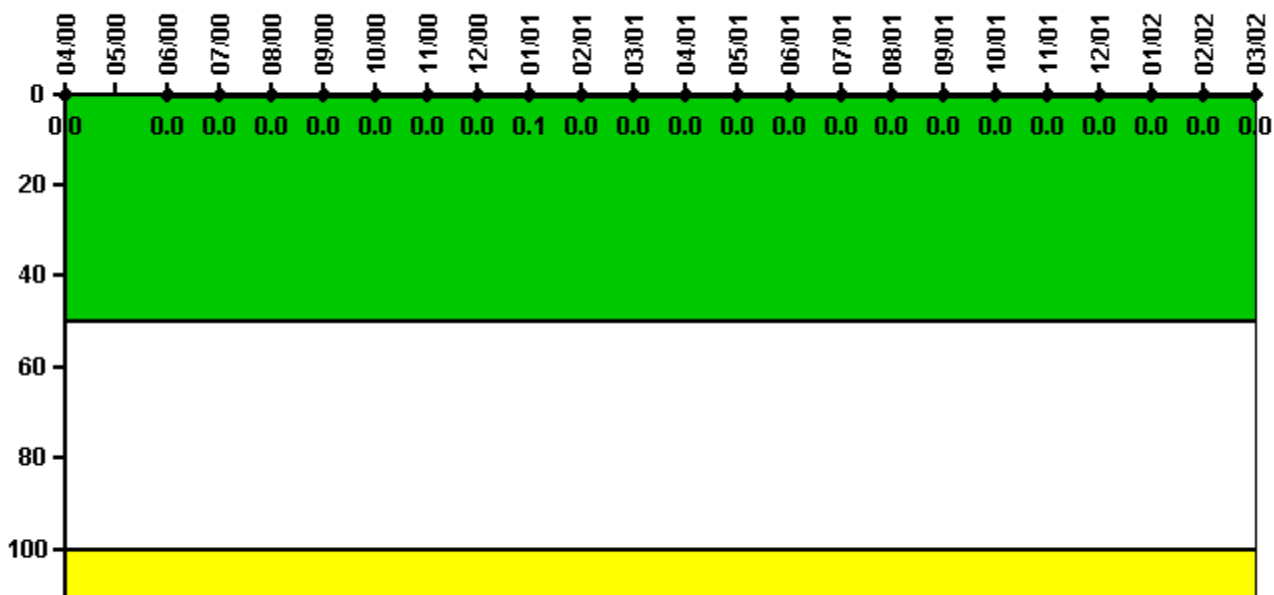
#### Notes

| Safety System Functional Failures (PWR) | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 0     | 0     | 2     | 0     | 0     | 1     | 0     | 0     |
|   |       |       |       |       |       |       |       |       |
| Indicator value                         | 2     | 0     | 2     | 2     | 2     | 3     | 1     | 1     |

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

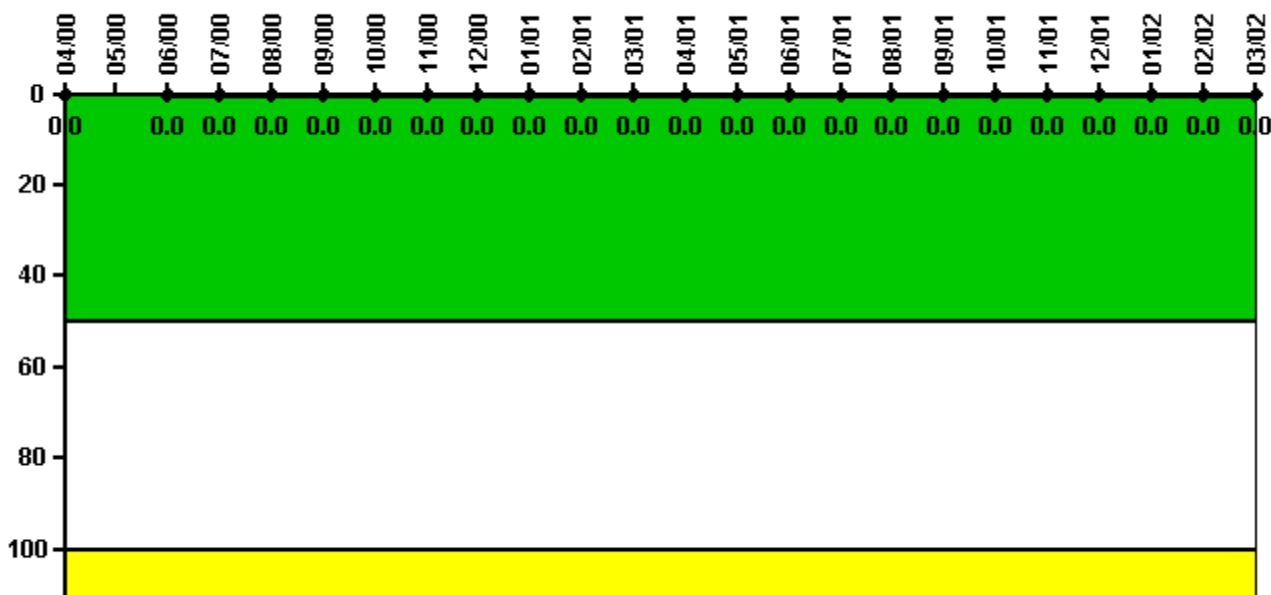
| Reactor Coolant System Activity | 4/00     | 5/00 | 6/00     | 7/00     | 8/00     | 9/00     | 10/00    | 11/00    | 12/00    | 1/01     | 2/01     | 3/01     |
|---------------------------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000480 | N/A  | 0.000230 | 0.000260 | 0.000390 | 0.000280 | 0.000300 | 0.000320 | 0.000390 | 0.000700 | 0.000360 | 0.000350 |
| Technical specification limit   | 1.0      | 1.0  | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      |
| Indicator value                 | 0        | N/A  | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0.1      | 0        | 0        |

| Reactor Coolant System Activity | 4/01     | 5/01     | 6/01     | 7/01     | 8/01     | 9/01     | 10/01    | 11/01    | 12/01    | 1/02     | 2/02     | 3/02     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000370 | 0.000370 | 0.000370 | 0.000440 | 0.000420 | 0.000450 | 0.000430 | 0.000450 | 0.000450 | 0.000450 | 0.000320 | 0.000220 |
| Technical specification limit   | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      |
| 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

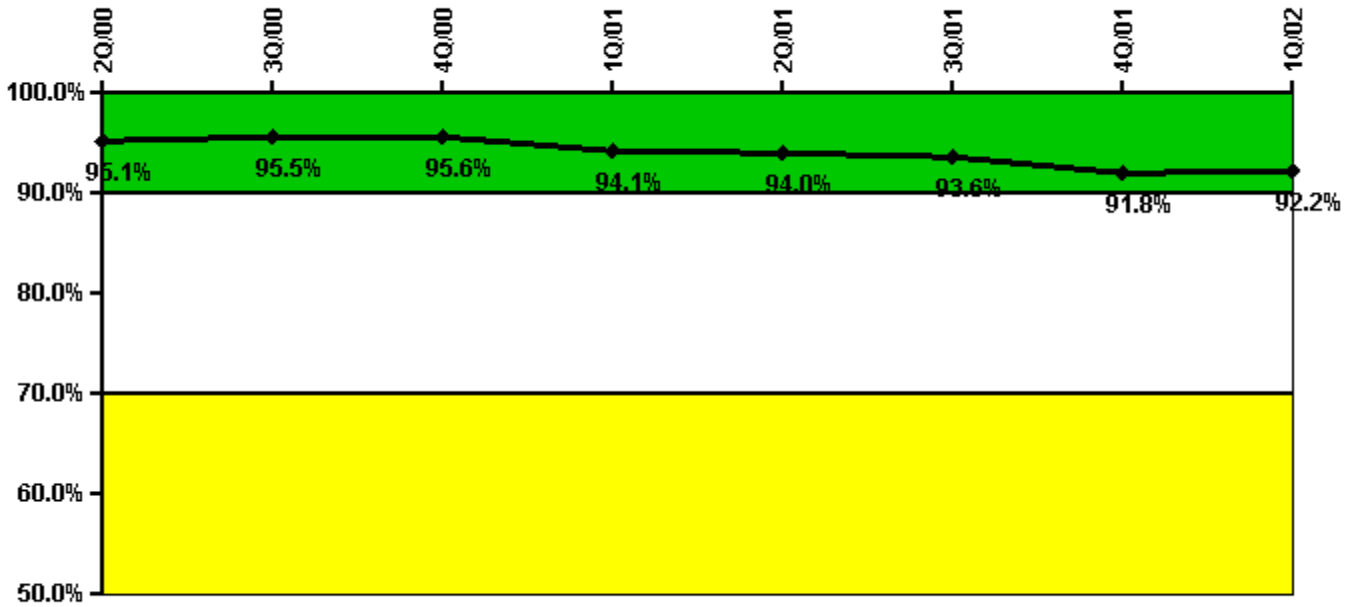
| Reactor Coolant System Leakage | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 |
|--------------------------------|------|------|------|------|------|------|-------|-------|-------|------|------|------|
| Maximum leakage                | 0    | N/A  | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0    | 0    | 0    |
| 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                | 0    | N/A  | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0    | 0    | 0    |

| Reactor Coolant System Leakage | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 |
|--------------------------------|------|------|------|------|------|------|-------|-------|-------|------|------|------|
| Maximum leakage                | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0    | 0    | 0    |
| 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                | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0    | 0    | 0    |

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

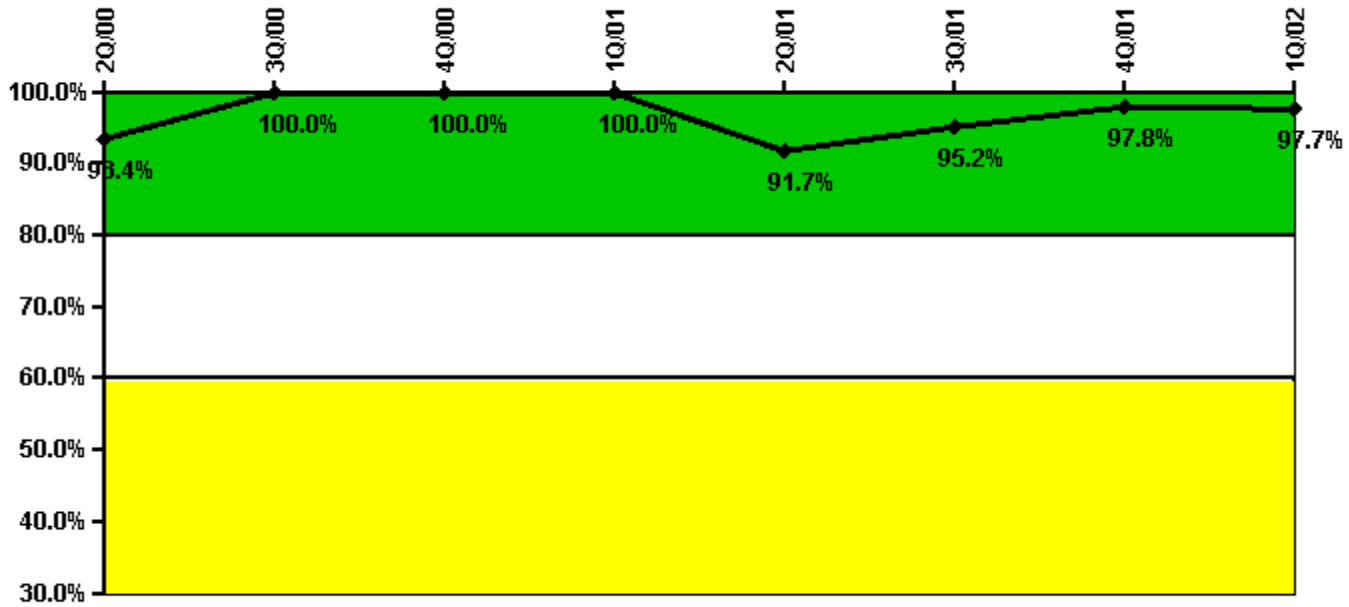
#### Notes

| Drill/Exercise Performance | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 2.0   | 45.0  | 31.0  | 41.0  | 8.0   | 30.0  | 43.0  | 14.0  |
| Total opportunities        | 2.0   | 47.0  | 33.0  | 47.0  | 8.0   | 31.0  | 49.0  | 15.0  |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 95.1% | 95.5% | 95.6% | 94.1% | 94.0% | 93.6% | 91.8% | 92.2% |

Licensee Comments:

4Q/01: A change in the 4Q2001 Drill/Exercise Performance Indicator data was identified during a review of the 4Q2001 data. This resulted in a 4Q2001 DEP indicator change from 92.2% to 91.8% and did not result in a threshold color change.

### ERO Drill Participation



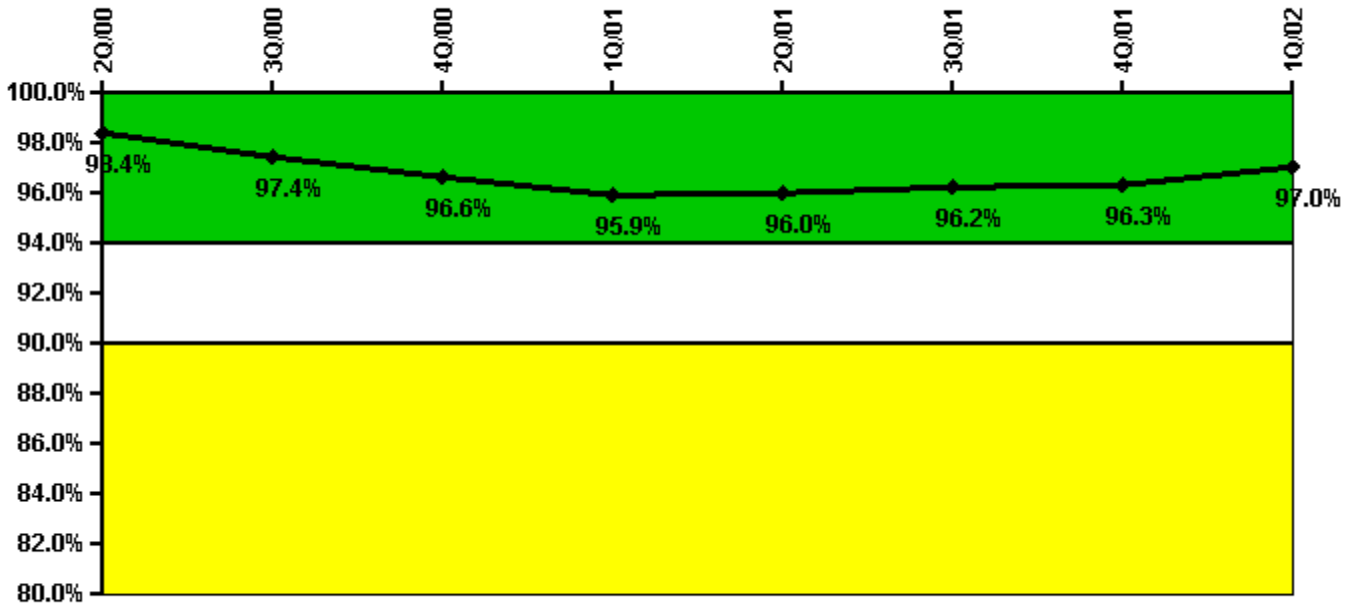
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 2Q/00 | 3Q/00  | 4Q/00  | 1Q/01  | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|-----------------------------|-------|--------|--------|--------|-------|-------|-------|-------|
| Participating Key personnel | 71.0  | 69.0   | 71.0   | 68.0   | 66.0  | 79.0  | 88.0  | 85.0  |
| Total Key personnel         | 76.0  | 69.0   | 71.0   | 68.0   | 72.0  | 83.0  | 90.0  | 87.0  |
|                             |       |        |        |        |       |       |       |       |
| Indicator value             | 93.4% | 100.0% | 100.0% | 100.0% | 91.7% | 95.2% | 97.8% | 97.7% |

Licensee Comments: none

### Alert & Notification System



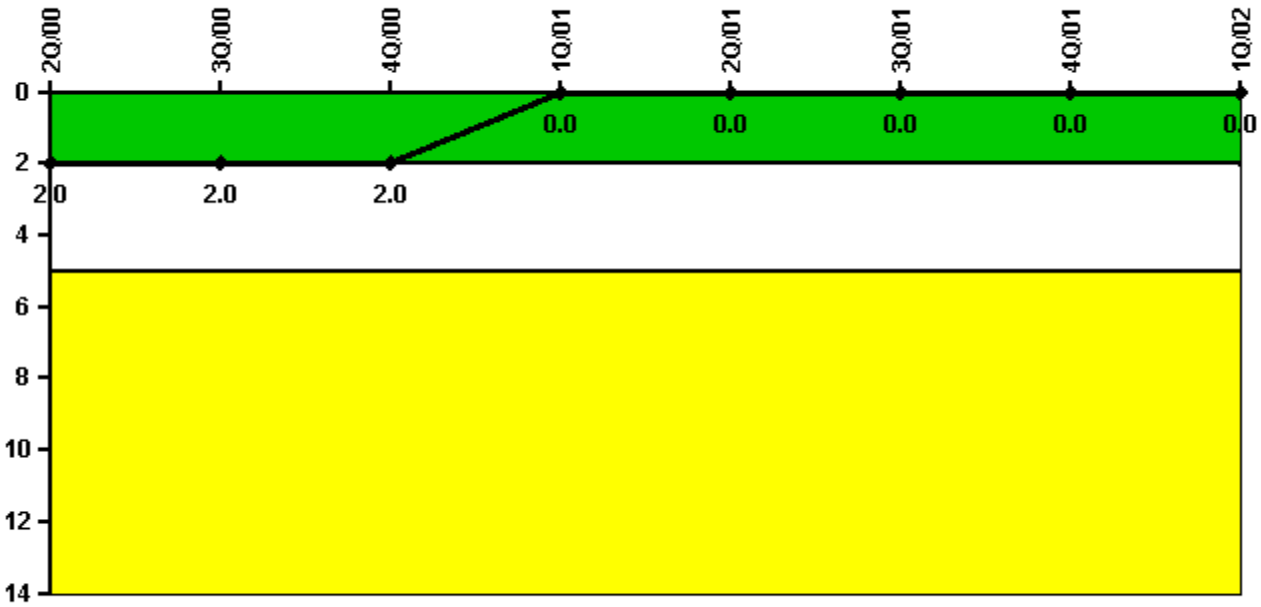
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 306   | 290   | 302   | 299   | 307   | 292   | 304   | 310   |
| Total sirens-tests          | 312   | 312   | 312   | 312   | 312   | 312   | 312   | 315   |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 98.4% | 97.4% | 96.6% | 95.9% | 96.0% | 96.2% | 96.3% | 97.0% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Occupational Exposure Control Effectiveness | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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     |
| Indicator value                             | 2     | 2     | 2     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### RETS/ODCM Radiological Effluent



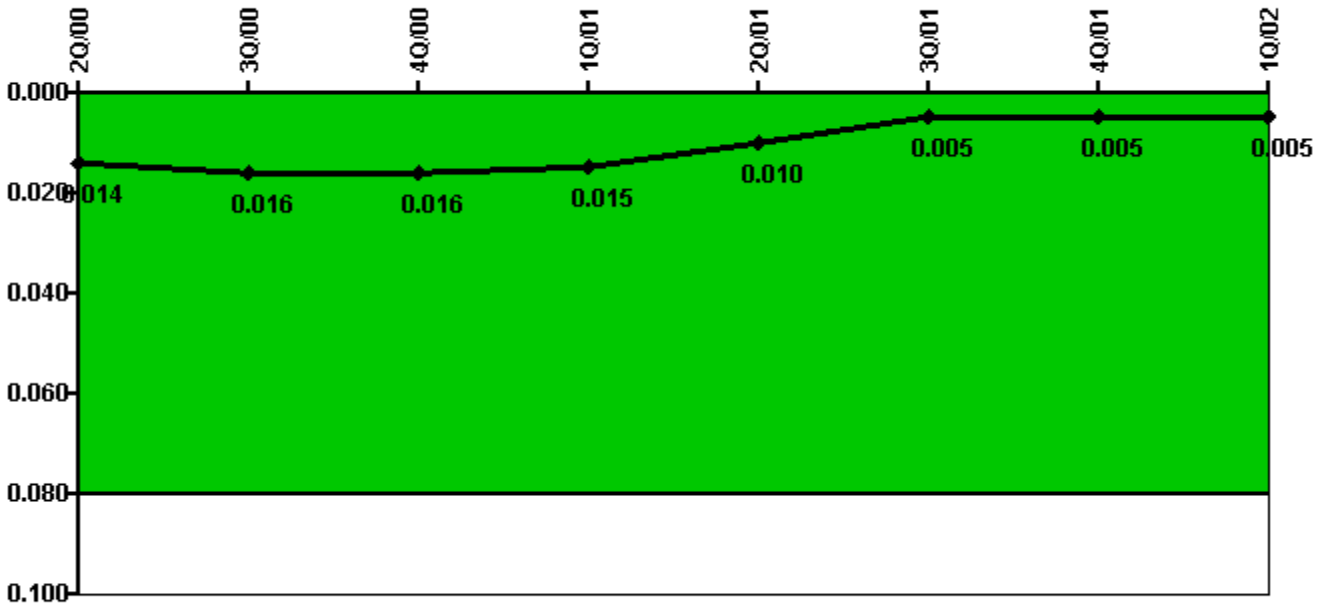
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

| RETS/ODCM Radiological Effluent | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                                 |       |       |       |       |       |       |       |       |
| Indicator value                 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### Protected Area Security Performance Index



Thresholds: White > 0.080

#### Notes

| Protected Area Security Performance Index | 2Q/00        | 3Q/00        | 4Q/00        | 1Q/01        | 2Q/01        | 3Q/01        | 4Q/01        | 1Q/02        |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours                    | 155.08       | 112.69       | 11.89        | 18.89        | 55.99        | 12.57        | 8.11         | 13.11        |
| CCTV compensatory hours                   | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| IDS normalization factor                  | 1.10         | 1.10         | 1.10         | 1.10         | 1.10         | 1.10         | 1.10         | 1.10         |
| CCTV normalization factor                 | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          |
|   |              |              |              |              |              |              |              |              |
| <b>Index Value</b>                        | <b>0.014</b> | <b>0.016</b> | <b>0.016</b> | <b>0.015</b> | <b>0.010</b> | <b>0.005</b> | <b>0.005</b> | <b>0.005</b> |

Licensee Comments: none



### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Personnel Screening Program | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Program failures            | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| FFD/Personnel Reliability | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Program Failures          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                           |       |       |       |       |       |       |       |       |
| Indicator value           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

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

Last Modified: May 1, 2002