

### Indian Point 2

#### 1Q/2000 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 | 1Q/99    | 2Q/99    | 3Q/99      | 4Q/99      | 1Q/00      |
|--|----------|----------|------------|------------|------------|
| Unplanned scrams                       | 0        | 0        | 1.0        | 0          | 1.0        |
| Critical hours                         | 2160.0   | 2183.0   | 1478.5     | 1902.0     | 1099.5     |
|  |          |          |            |            |            |
| <b>Indicator value</b>                 | <b>0</b> | <b>0</b> | <b>0.9</b> | <b>0.9</b> | <b>2.1</b> |

Licensee Comments:

1Q/00: Plant shut down due to SGTR in 24 steam generator.

### Scrams with Loss of Normal Heat Removal



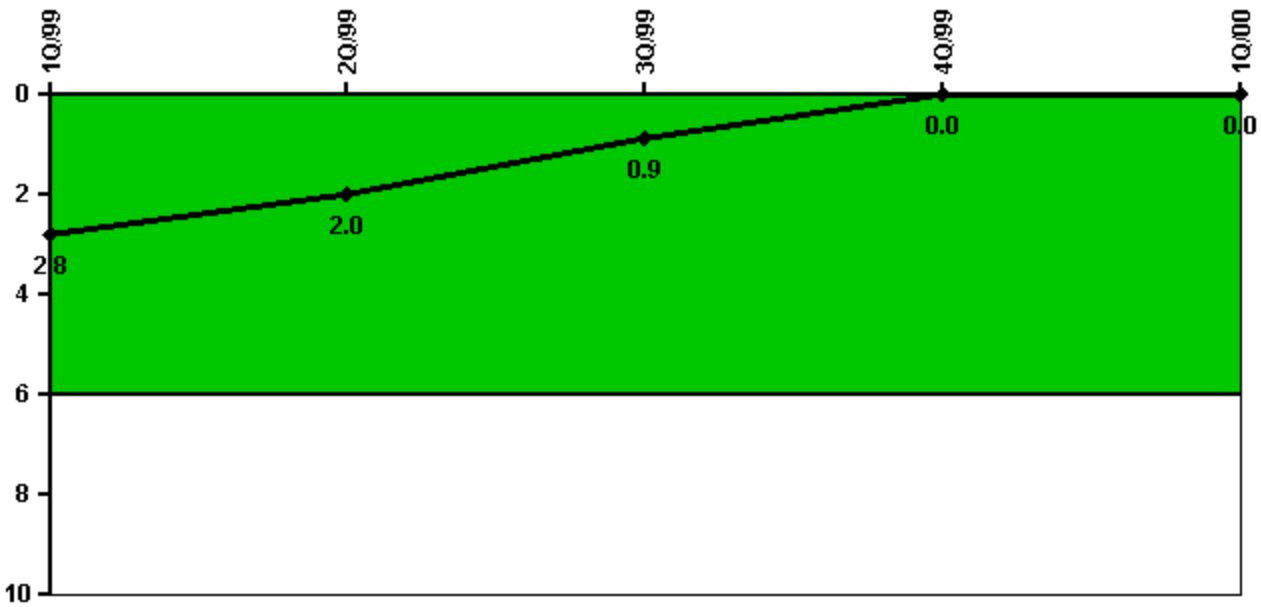
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 0     | 0     | 0     | 1.0   |
| Indicator value                         | 1.0   | 1.0   | 1.0   | 1.0   | 2.0   |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



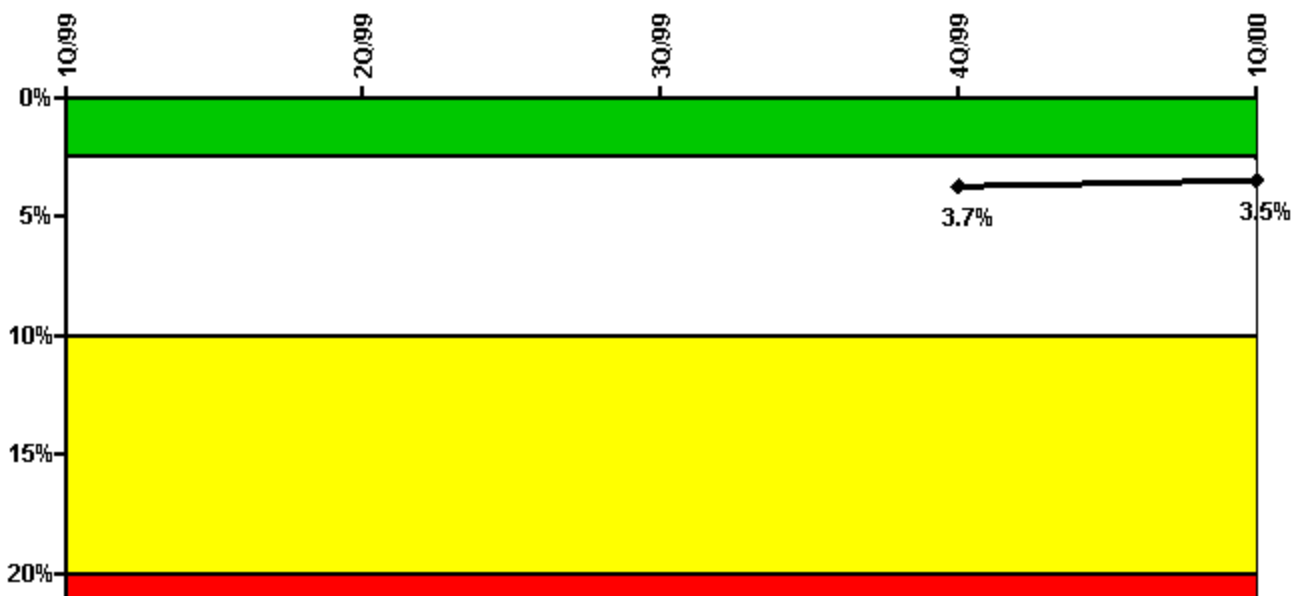
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/99      | 2Q/99      | 3Q/99      | 4Q/99    | 1Q/00    |
|---|------------|------------|------------|----------|----------|
| Unplanned power changes                       | 0          | 0          | 0          | 0        | 0        |
| Critical hours                                | 2160.0     | 2183.0     | 1478.5     | 1902.0   | 1099.5   |
|   |            |            |            |          |          |
| <b>Indicator value</b>                        | <b>2.8</b> | <b>2.0</b> | <b>0.9</b> | <b>0</b> | <b>0</b> |

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 | 1Q/99   | 2Q/99   | 3Q/99   | 4Q/99       | 1Q/00       |
|---|---------|---------|---------|-------------|-------------|
| <b>Train 1</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 98.38   | 6.03    | 73.45   | 52.85       | 2.12        |
| Unplanned unavailable hours                             | 5.08    | 1.48    | 0       | 38.47       | 0           |
| Fault exposure hours                                    | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2184.00 | 2208.00 | 2208.00     | 2184.00     |
| <b>Train 2</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 98.52   | 9.25    | 27.45   | 7.84        | 51.14       |
| Unplanned unavailable hours                             | 0       | 1.75    | 0       | 0           | 0           |
| Fault exposure hours                                    | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2184.00 | 2208.00 | 2208.00     | 2184.00     |
| <b>Train 3</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 95.89   | 6.58    | 10.83   | 34.25       | 3.81        |
| Unplanned unavailable hours                             | 0       | 1.80    | 26.17   | 0           | 0           |
| Fault exposure hours                                    | 0       | 0       | 1443.93 | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2184.00 | 2208.00 | 2208.00     | 2184.00     |
|   |         |         |         |             |             |
| <b>Indicator value</b>                                  |         |         |         | <b>3.7%</b> | <b>3.5%</b> |

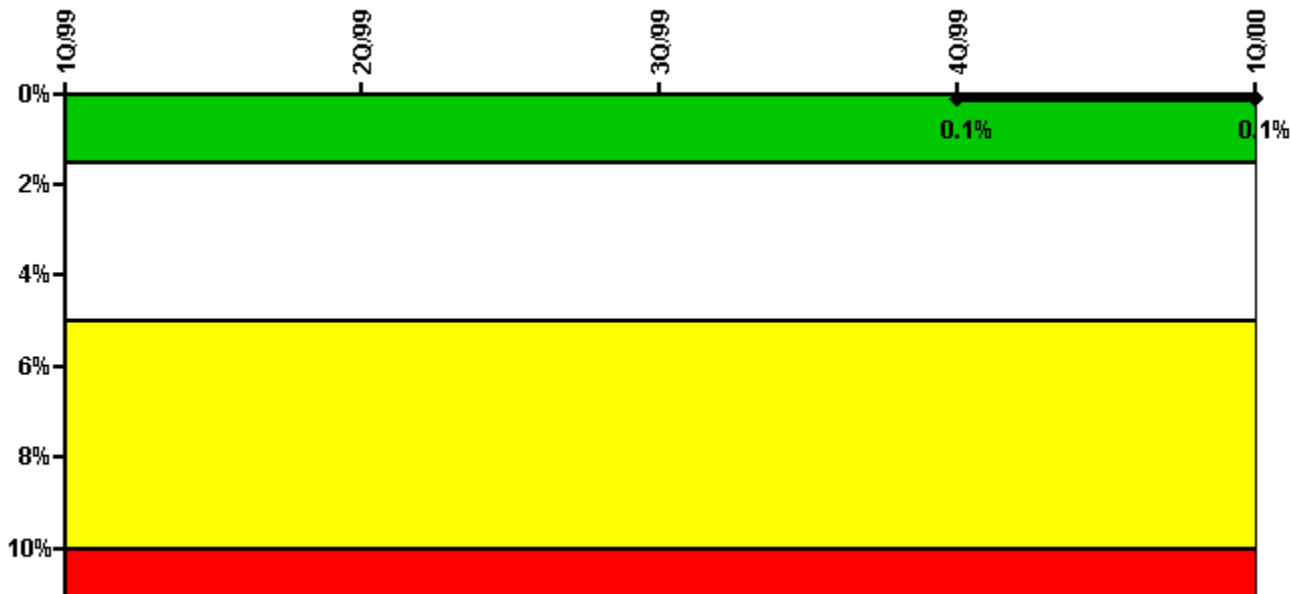
#### Licensee Comments:

3Q/99: Train 3 fault hours have been revised based on a detailed review of the historical data for 23 EDG.

3Q/99: Fault Exposure Hours Reset per NEI, "Supplemental Guidance for Fault Exposure Hour Reset", December 6, 2001

3Q/99: Train three was revised to reflect the removal of fault exposure hours. NRC supplemental inspection completed in Inspection Report 2001-002. All corrective actions have been completed.

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



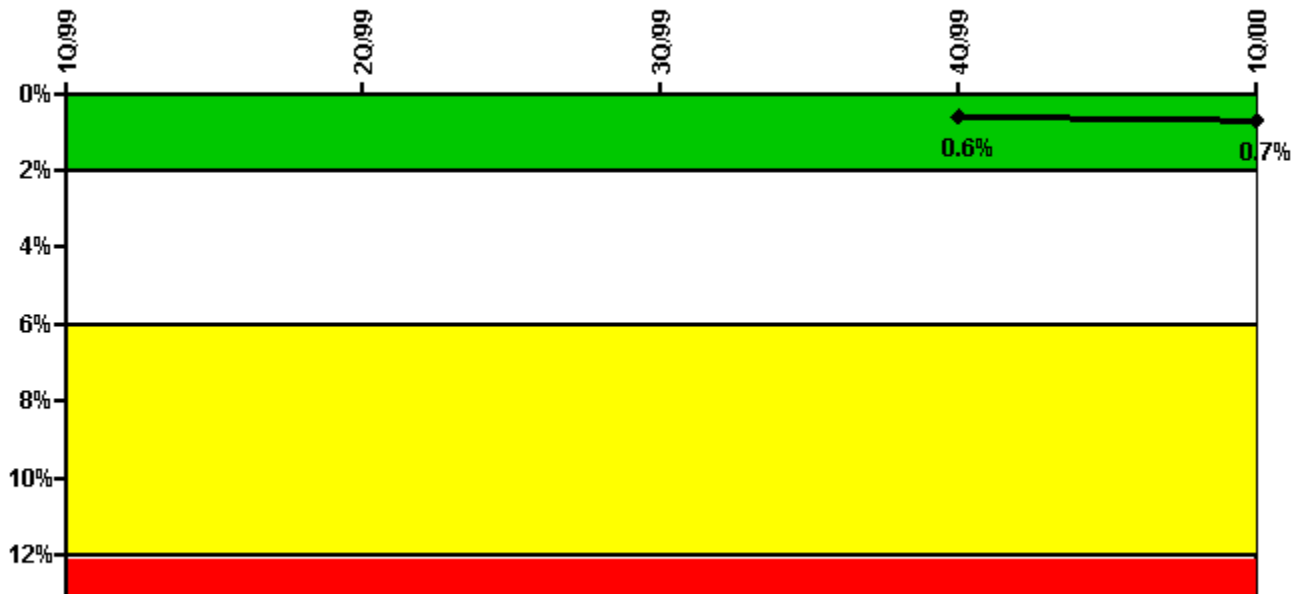
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 1Q/99   | 2Q/99   | 3Q/99   | 4Q/99       | 1Q/00       |
|---|---------|---------|---------|-------------|-------------|
| <b>Train 1</b>  |         |         |         |             |             |
| Planned unavailable hours   | 0       | 4.00    | 0       | 0           | 3.60        |
| Unplanned unavailable hours   | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours  | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 1478.50 | 1902.00     | 1099.50     |
| <b>Train 2</b>  |         |         |         |             |             |
| Planned unavailable hours   | 3.00    | 0.30    | 0       | 3.50        | 0           |
| Unplanned unavailable hours   | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours  | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 1478.50 | 1902.00     | 1099.50     |
| <b>Train 3</b>  |         |         |         |             |             |
| Planned unavailable hours   | 0.50    | 4.00    | 0       | 0           | 0           |
| Unplanned unavailable hours   | 0       | 0       | 9.50    | 0           | 0           |
| Fault exposure hours  | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 1478.50 | 1902.00     | 1099.50     |
|   |         |         |         |             |             |
| <b>Indicator value</b>  |         |         |         | <b>0.1%</b> | <b>0.1%</b> |

Licensee Comments: none

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



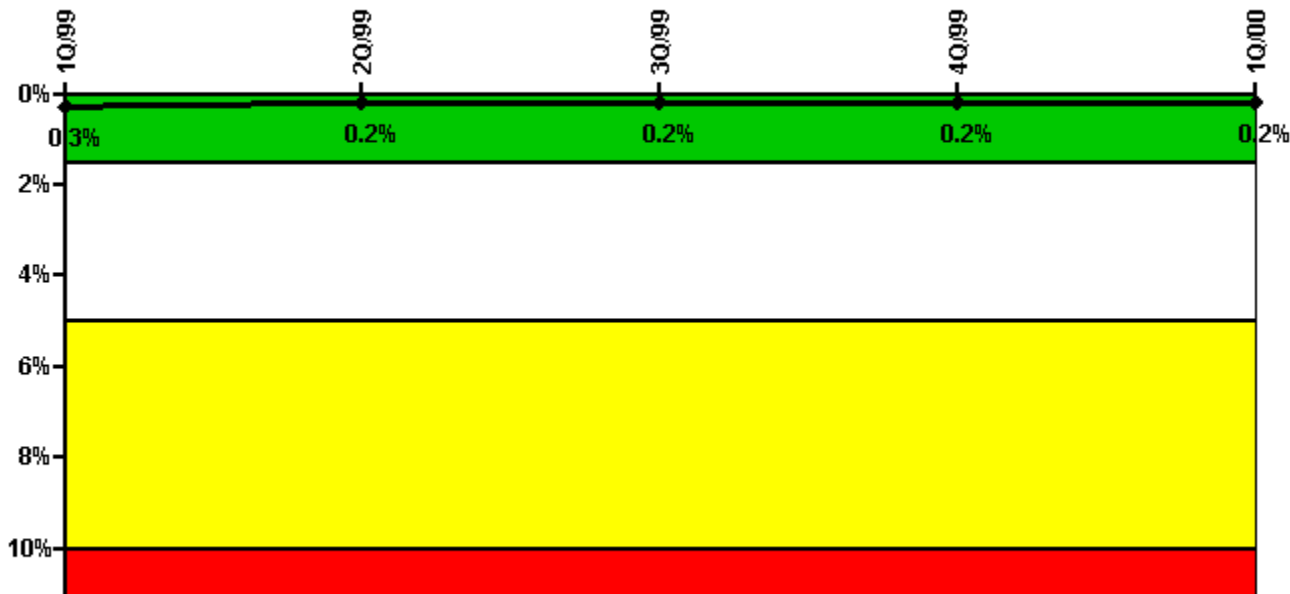
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

| Safety System Unavailability, Heat Removal System (AFW) | 1Q/99   | 2Q/99   | 3Q/99   | 4Q/99       | 1Q/00       |
|---|---------|---------|---------|-------------|-------------|
| <b>Train 1</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 5.50    | 1.00    | 0       | 1.00        | 0           |
| Unplanned unavailable hours                             | 0       | 0       | 0       | 0           | 0           |
| Fault exposure hours                                    | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 1478.50 | 1902.00     | 1099.50     |
| <b>Train 2</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 5.00    | 12.00   | 11.00   | 2.50        | 13.70       |
| Unplanned unavailable hours                             | 8.50    | 5.00    | 0       | 0           | 0.30        |
| Fault exposure hours                                    | 24.00   | 0       | 0       | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 1478.50 | 1902.00     | 1099.50     |
| <b>Train 3</b>  |         |         |         |             |             |
| Planned unavailable hours                               | 1.50    | 2.00    | 6.00    | 2.00        | 13.00       |
| Unplanned unavailable hours                             | 0       | 0       | 26.50   | 0           | 0           |
| Fault exposure hours                                    | 0       | 0       | 0       | 0           | 0           |
| Effective Reset hours                                   | 0       | 0       | 0       | 0           | 0           |
| Required hours  | 2160.00 | 2183.00 | 1478.50 | 1902.00     | 1099.50     |
|   |         |         |         |             |             |
| <b>Indicator value</b>                                  |         |         |         | <b>0.6%</b> | <b>0.7%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



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

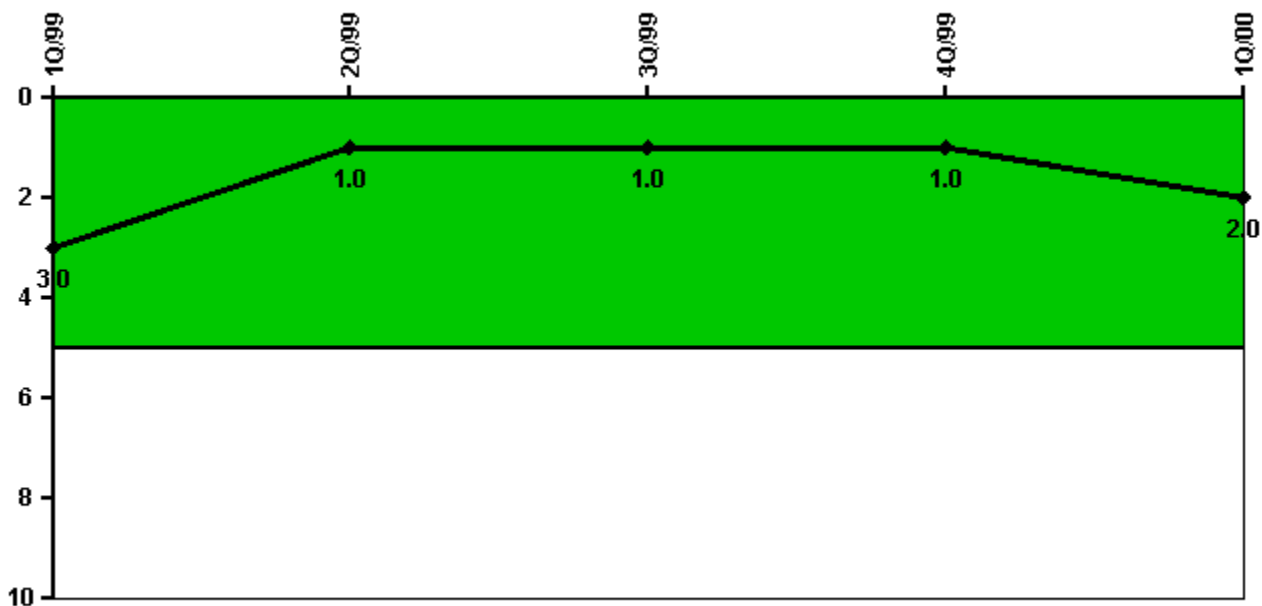
#### Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/99   | 2Q/99   | 3Q/99   | 4Q/99   | 1Q/00   |
|--|---------|---------|---------|---------|---------|
| <b>Train 1</b>   |         |         |         |         |         |
| Planned unavailable hours                                  | 6.00    | 0       | 1.00    | 0.40    | 0.50    |
| Unplanned unavailable hours                                | 0       | 0       | 0       | 0       | 0       |
| Fault exposure hours                                       | 0       | 0       | 0       | 0       | 0       |
| Effective Reset hours                                      | 0       | 0       | 0       | 0       | 0       |
| Required hours   | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| <b>Train 2</b>   |         |         |         |         |         |
| Planned unavailable hours                                  | 0.50    | 0       | 6.00    | 0.10    | 0.50    |
| Unplanned unavailable hours                                | 0       | 0       | 10.50   | 0       | 0       |
| Fault exposure hours                                       | 0       | 0       | 0       | 0       | 0       |
| Effective Reset hours                                      | 0       | 0       | 0       | 0       | 0       |
| Required hours   | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| <b>Train 3</b>   |         |         |         |         |         |
| Planned unavailable hours                                  | 0       | 0       | 0       | 0       | 0       |
| Unplanned unavailable hours                                | 0       | 0       | 0       | 0       | 0       |
| Fault exposure hours                                       | 0       | 0       | 0       | 0       | 0       |
| Effective Reset hours                                      | 0       | 0       | 0       | 0       | 0       |
| Required hours   | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| <b>Train 4</b>   |         |         |         |         |         |
| Planned unavailable hours                                  | 0       | 0       | 0       | 0       | 0       |
| Unplanned unavailable hours                                | 0       | 0       | 0       | 0       | 0       |
| Fault exposure hours                                       | 0       | 0       | 0       | 0       | 0       |
| Effective Reset hours                                      | 0       | 0       | 0       | 0       | 0       |

|                 |         |         |         |         |         |
|-----------------|---------|---------|---------|---------|---------|
| Required hours  | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
|                 |         |         |         |         |         |
| Indicator value | 0.3%    | 0.2%    | 0.2%    | 0.2%    | 0.2%    |

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

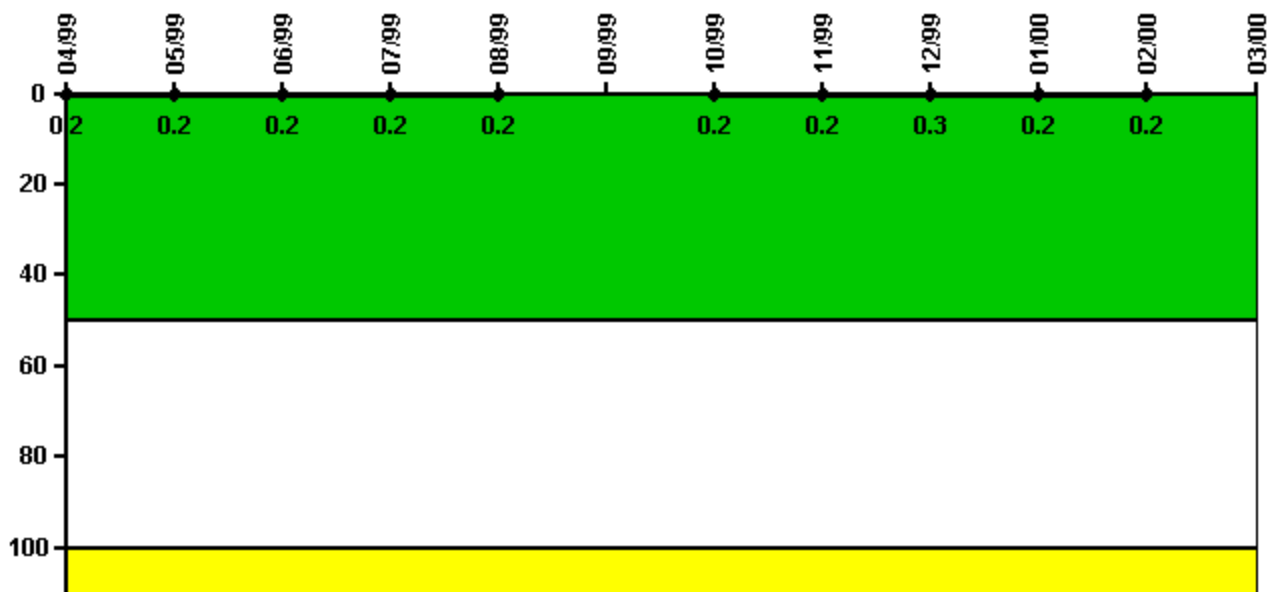
### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

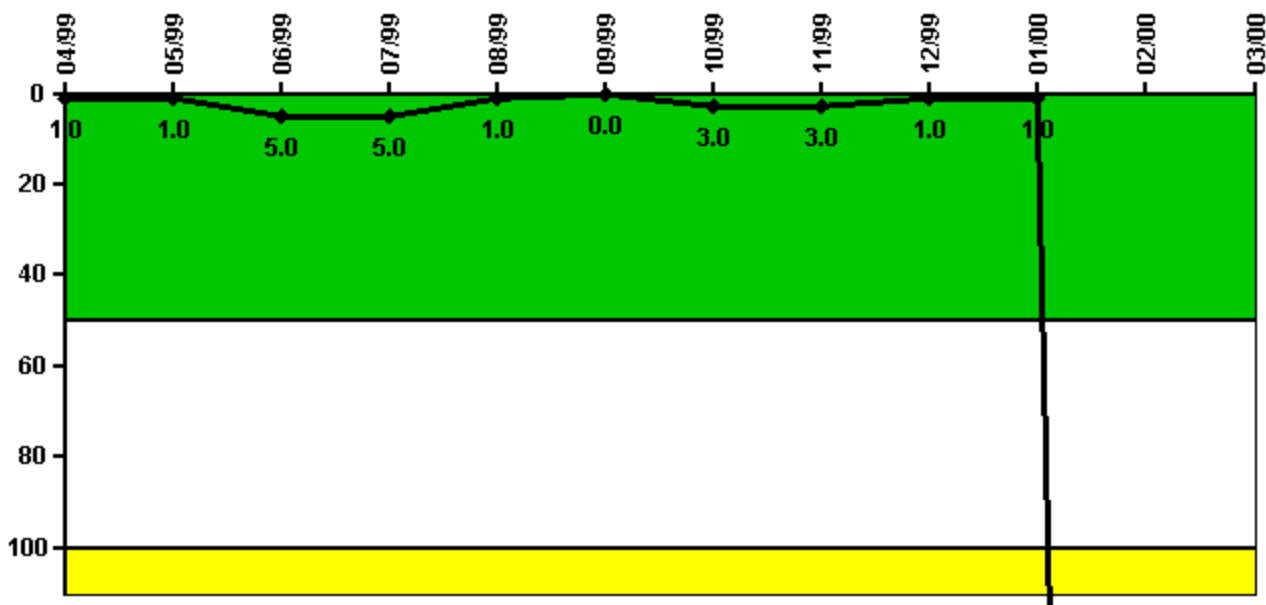
#### Notes

| Reactor Coolant System Activity | 4/99     | 5/99     | 6/99     | 7/99     | 8/99     | 9/99 | 10/99    | 11/99    | 12/99    | 1/00     | 2/00     | 3/00 |
|---------------------------------|----------|----------|----------|----------|----------|------|----------|----------|----------|----------|----------|------|
| Maximum activity                | 0.002150 | 0.002170 | 0.002060 | 0.002340 | 0.002370 |      | 0.002190 | 0.002300 | 0.002600 | 0.002390 | 0.002280 | N/A  |
| 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  |
| Indicator value                 | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |      | 0.2      | 0.2      | 0.3      | 0.2      | 0.2      | N/A  |

Licensee Comments:

3/00: Plant shut down during March, 2000.

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

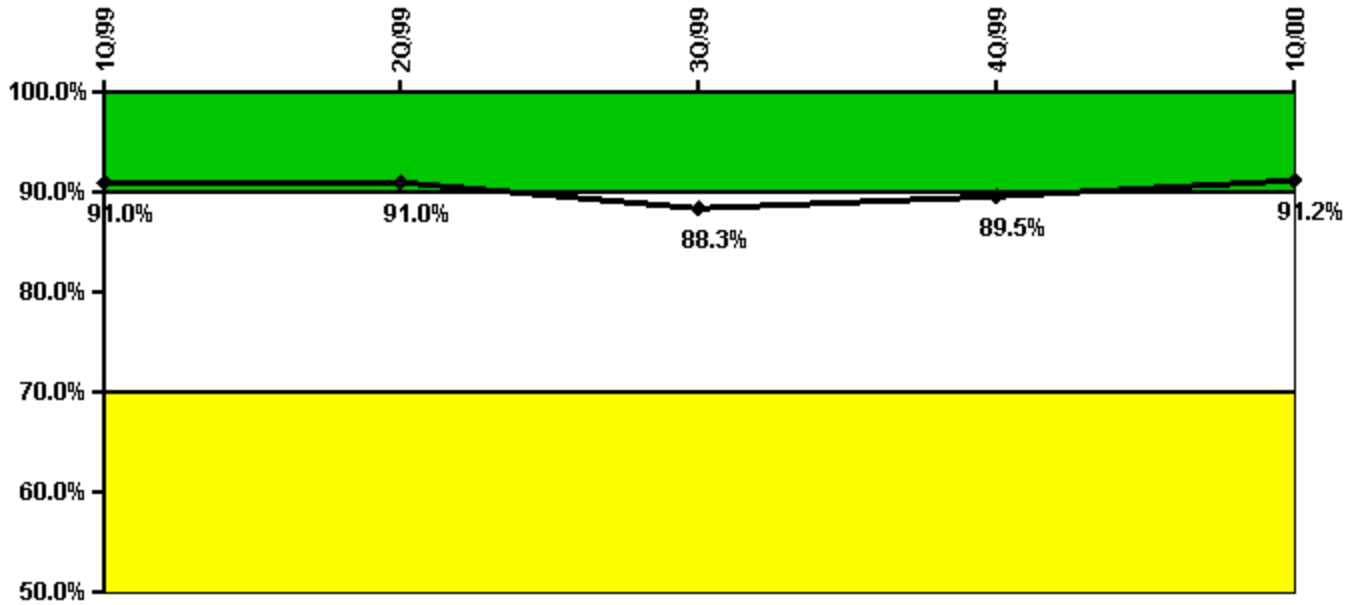
#### Notes

| Reactor Coolant System Leakage | 4/99  | 5/99  | 6/99  | 7/99  | 8/99  | 9/99 | 10/99 | 11/99 | 12/99 | 1/00  | 2/00    | 3/00 |
|--------------------------------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|---------|------|
| Maximum leakage                | 0.100 | 0.100 | 0.500 | 0.500 | 0.100 | 0    | 0.300 | 0.300 | 0.100 | 0.100 | 109.000 | N/A  |
| 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                | 1.0   | 1.0   | 5.0   | 5.0   | 1.0   | 0    | 3.0   | 3.0   | 1.0   | 1.0   | 1090.0  | N/A  |

Licensee Comments:

3/00: Steam Generator tube failure on 2/15/2000.

### Drill/Exercise Performance



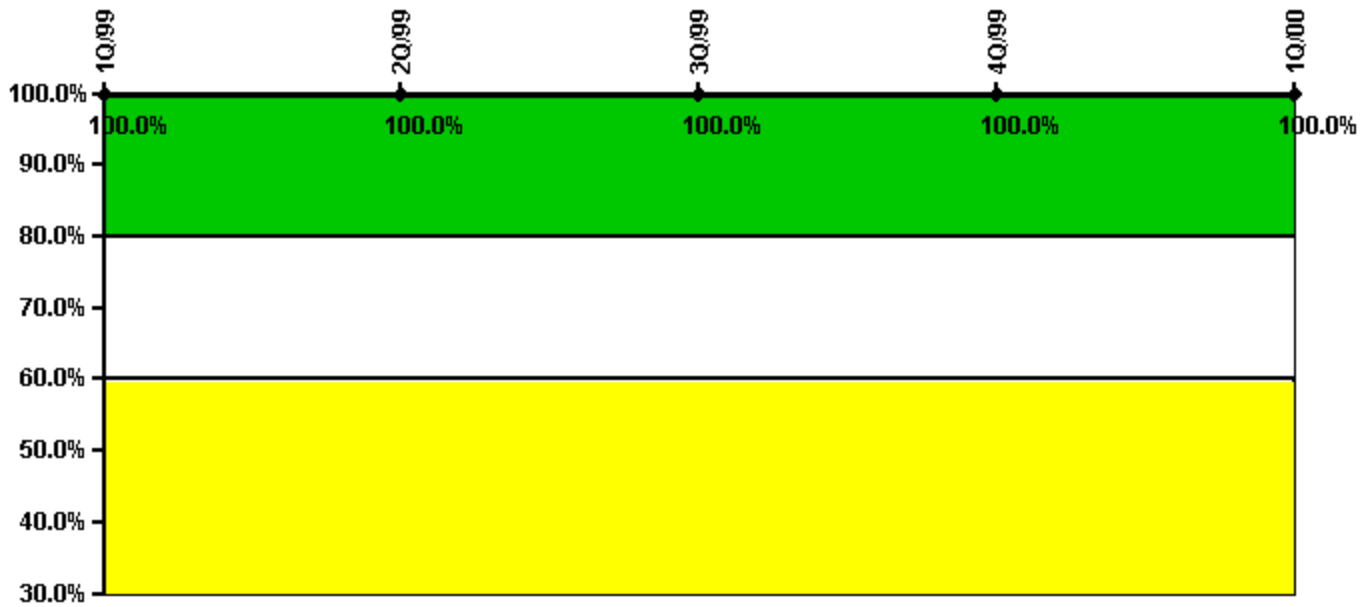
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|----------------------------|-------|-------|-------|-------|-------|
| Successful opportunities   | 6.0   | 0     | 22.0  | 28.0  | 29.0  |
| Total opportunities        | 7.0   | 0     | 27.0  | 28.0  | 30.0  |
|                            |       |       |       |       |       |
| Indicator value            | 91.0% | 91.0% | 88.3% | 89.5% | 91.2% |

Licensee Comments: none

### ERO Drill Participation



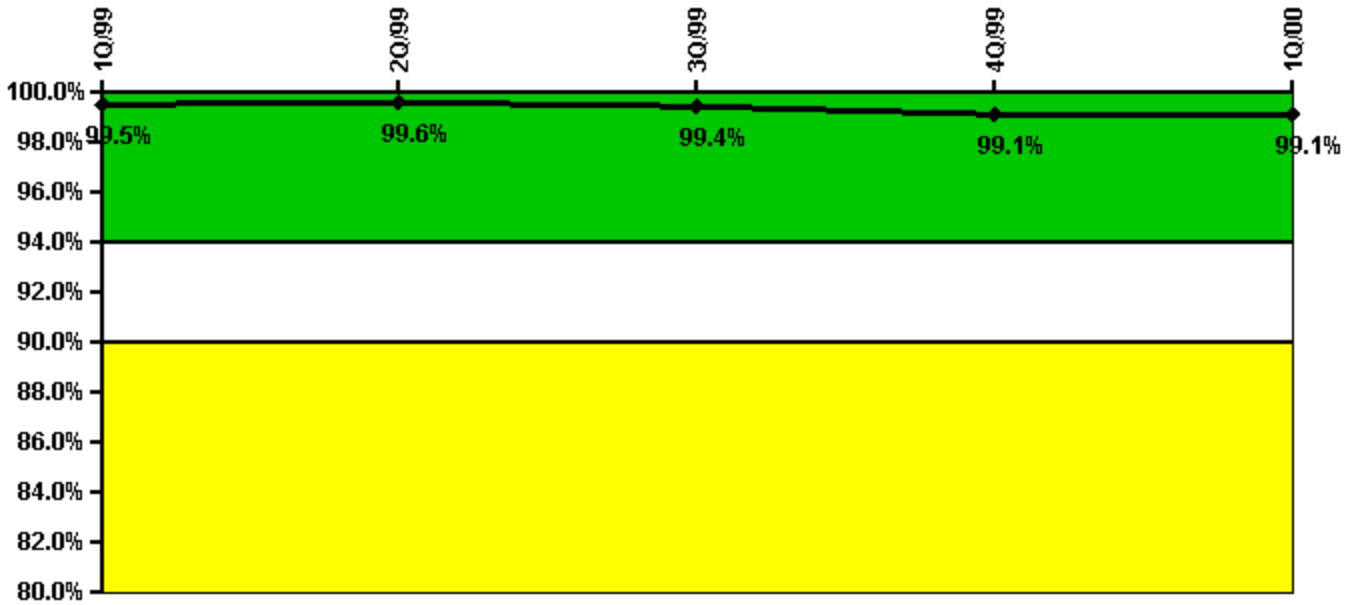
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 1Q/99         | 2Q/99         | 3Q/99         | 4Q/99         | 1Q/00         |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|
| Participating Key personnel | 60.0          | 60.0          | 59.0          | 63.0          | 62.0          |
| Total Key personnel         | 60.0          | 60.0          | 59.0          | 63.0          | 62.0          |
|                             |               |               |               |               |               |
| <b>Indicator value</b>      | <b>100.0%</b> | <b>100.0%</b> | <b>100.0%</b> | <b>100.0%</b> | <b>100.0%</b> |

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

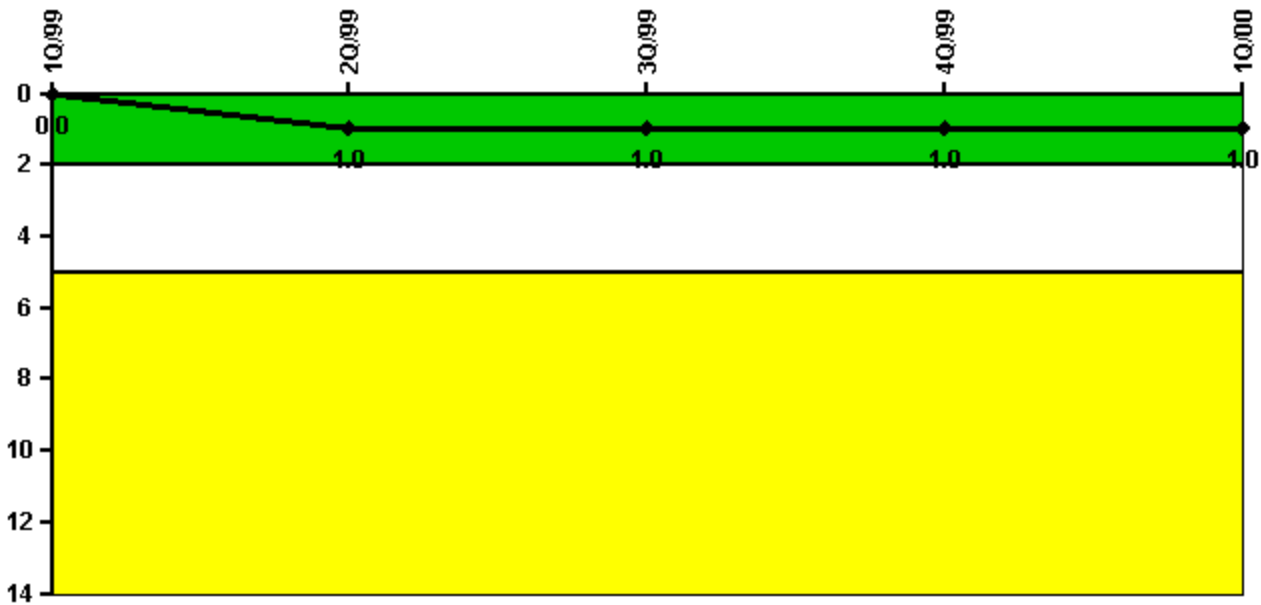
#### Notes

| Alert & Notification System | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|-----------------------------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 1073  | 1071  | 1067  | 1217  | 920   |
| Total sirens-tests          | 1078  | 1078  | 1078  | 1232  | 924   |
|                             |       |       |       |       |       |
| Indicator value             | 99.5% | 99.6% | 99.4% | 99.1% | 99.1% |

Licensee Comments:

3Q/99: We have revised our historical data for 3Q99 due to a difference in how we interpret a siren test.

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

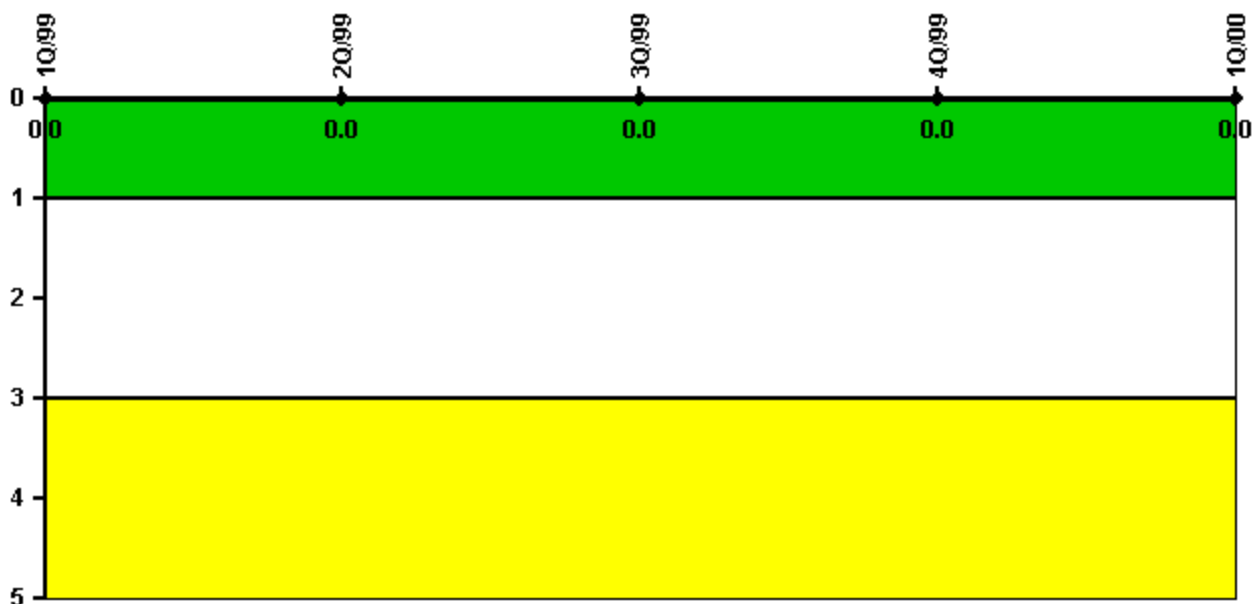
#### Notes

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

Licensee Comments:

4Q/99: We have revised our 4Q99 data based on a detailed review of the historical data using FAQs and NEI 99-02, Rev D.

### RETS/ODCM Radiological Effluent



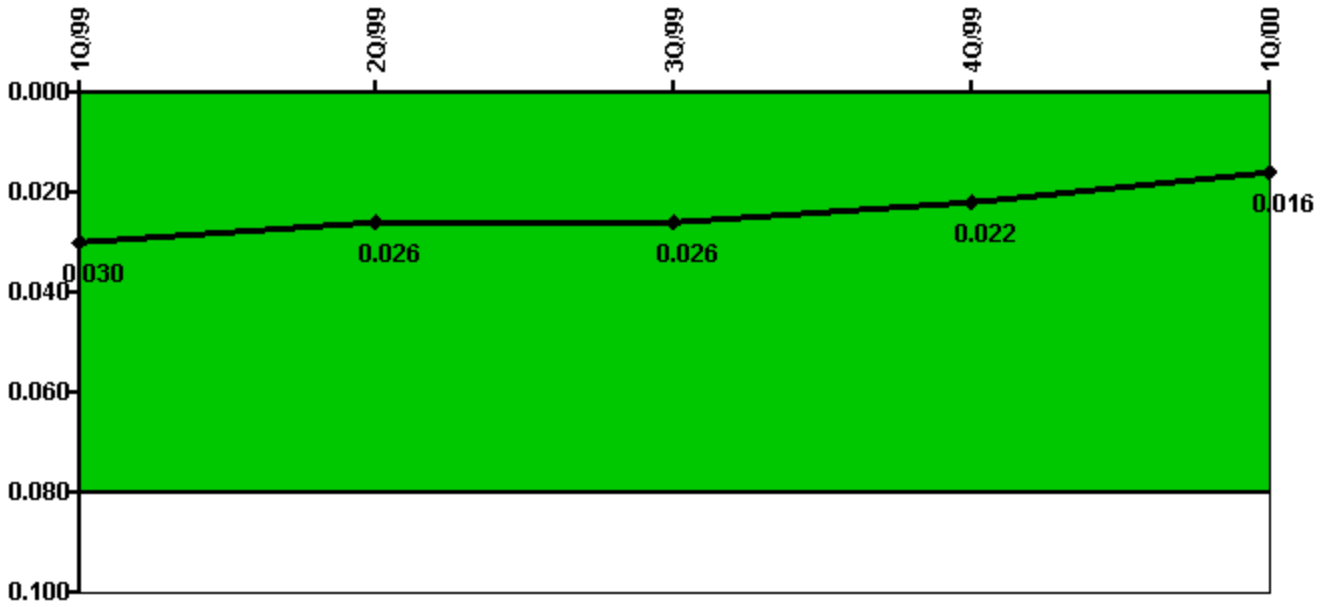
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

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

Licensee Comments: none

### Protected Area Security Performance Index



Thresholds: White > 0.080

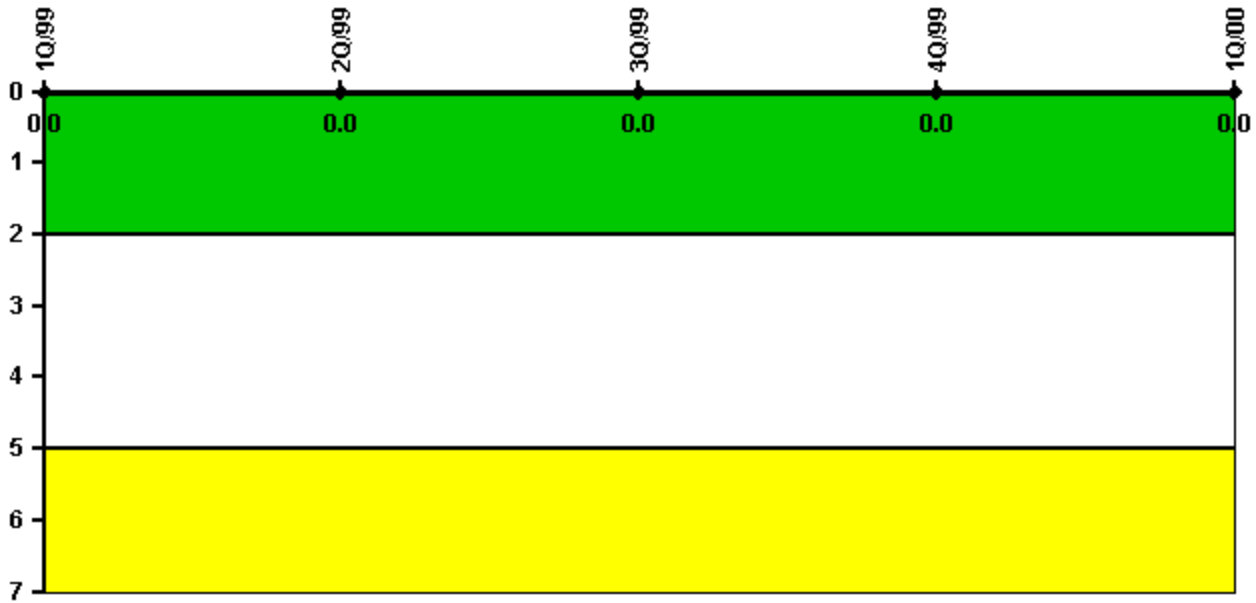
#### Notes

| Protected Area Security Performance Index | 1Q/99        | 2Q/99        | 3Q/99        | 4Q/99        | 1Q/00        |
|---|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours                    | 231.93       | 0            | 93.37        | 10.25        | 0            |
| CCTV compensatory hours                   | 0            | 2.4          | 0            | 56.5         | 135.7        |
| IDS normalization factor                  | 1.00         | 1.00         | 1.00         | 1.00         | 1.00         |
| CCTV normalization factor                 | 1.1          | 1.1          | 1.1          | 1.1          | 1.1          |
|   |              |              |              |              |              |
| <b>Index Value</b>                        | <b>0.030</b> | <b>0.026</b> | <b>0.026</b> | <b>0.022</b> | <b>0.016</b> |

Licensee Comments: none



### Personnel Screening Program



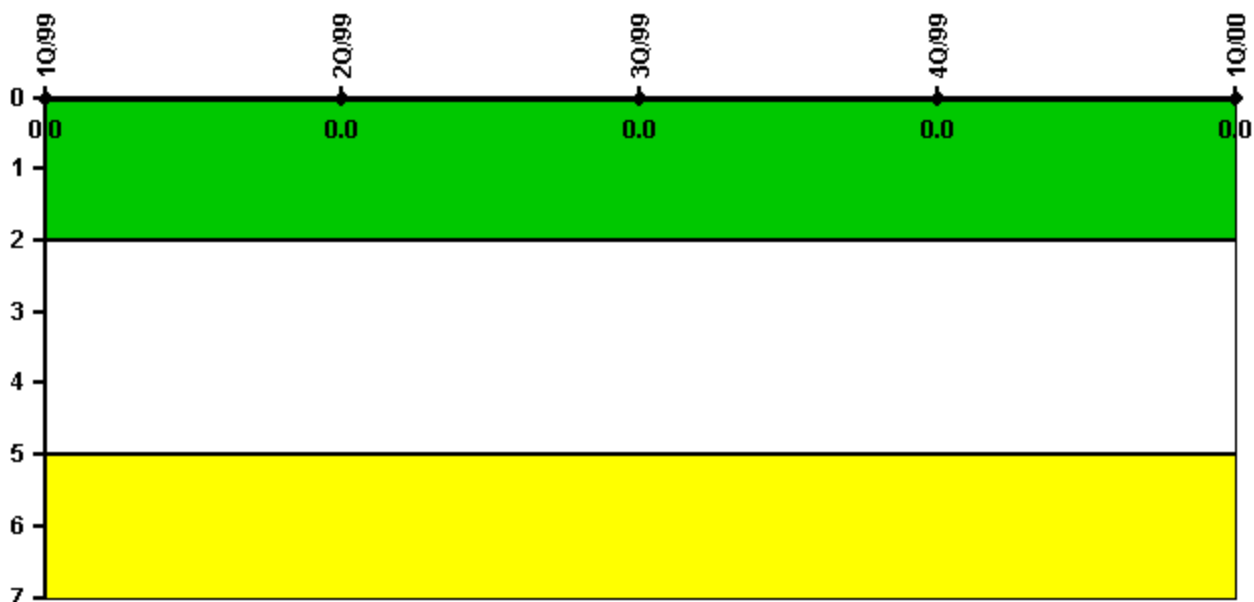
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

Licensee Comments: none

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

Last Modified: April 1, 2002