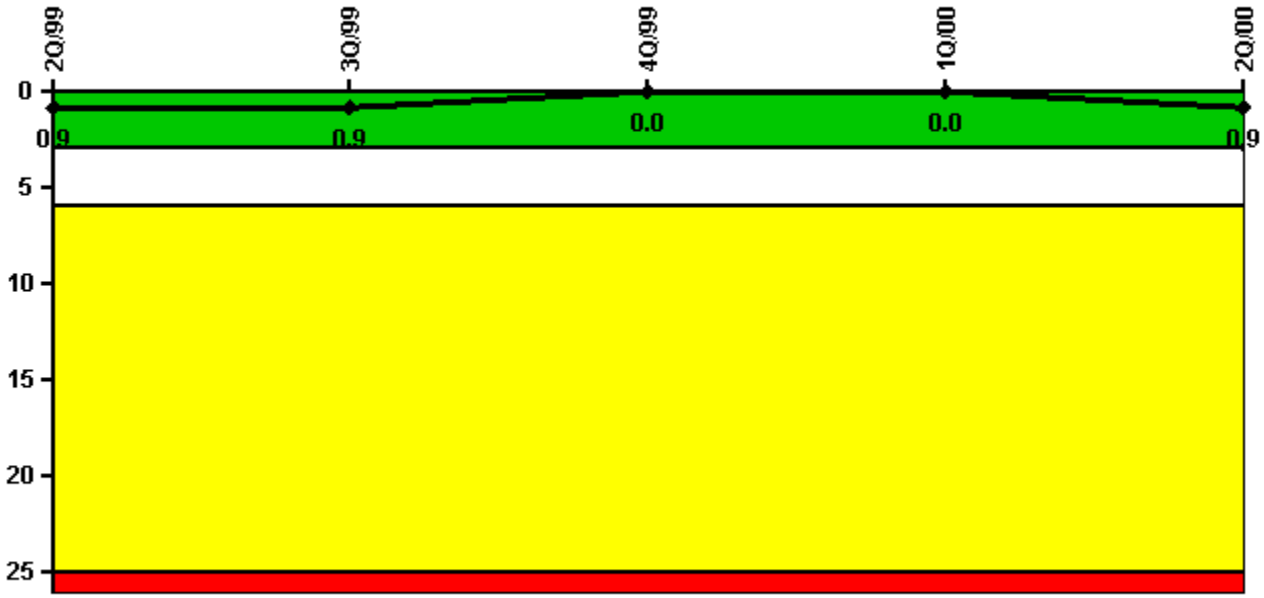
# Prairie Island 2

## 2Q/2000 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



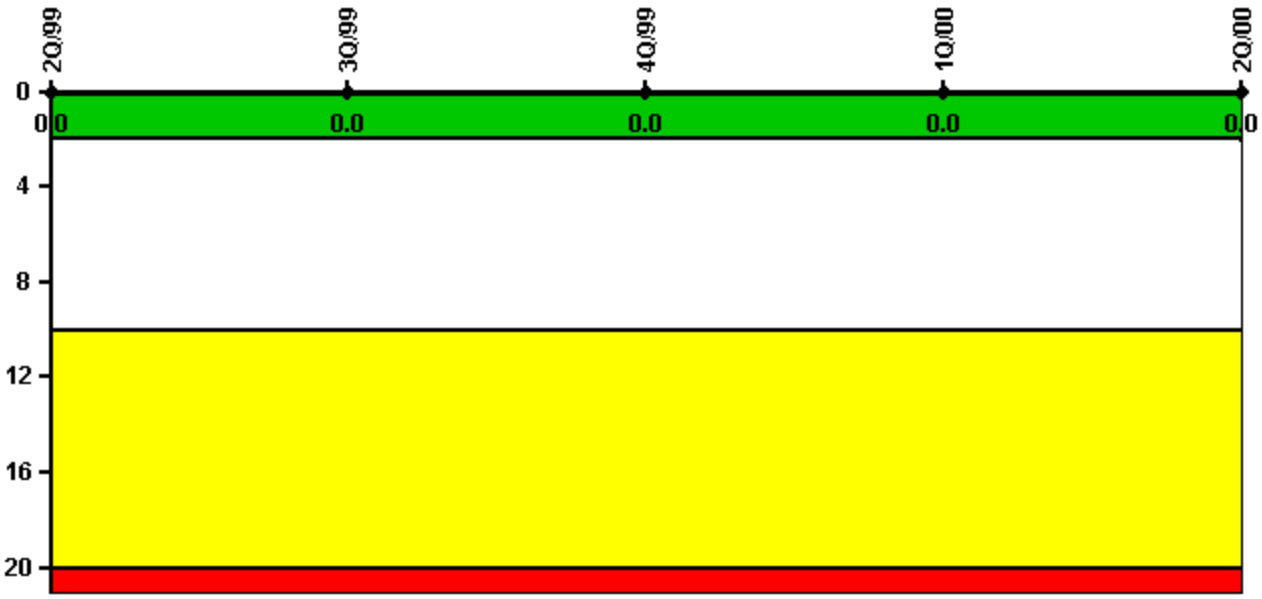

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 1257.2 |
| | | | | | |
| **Indicator value** | **0.9** | **0.9** | **0** | **0** | **0.9** |

Licensee Comments: none

## Scrams with Loss of Normal Heat Removal



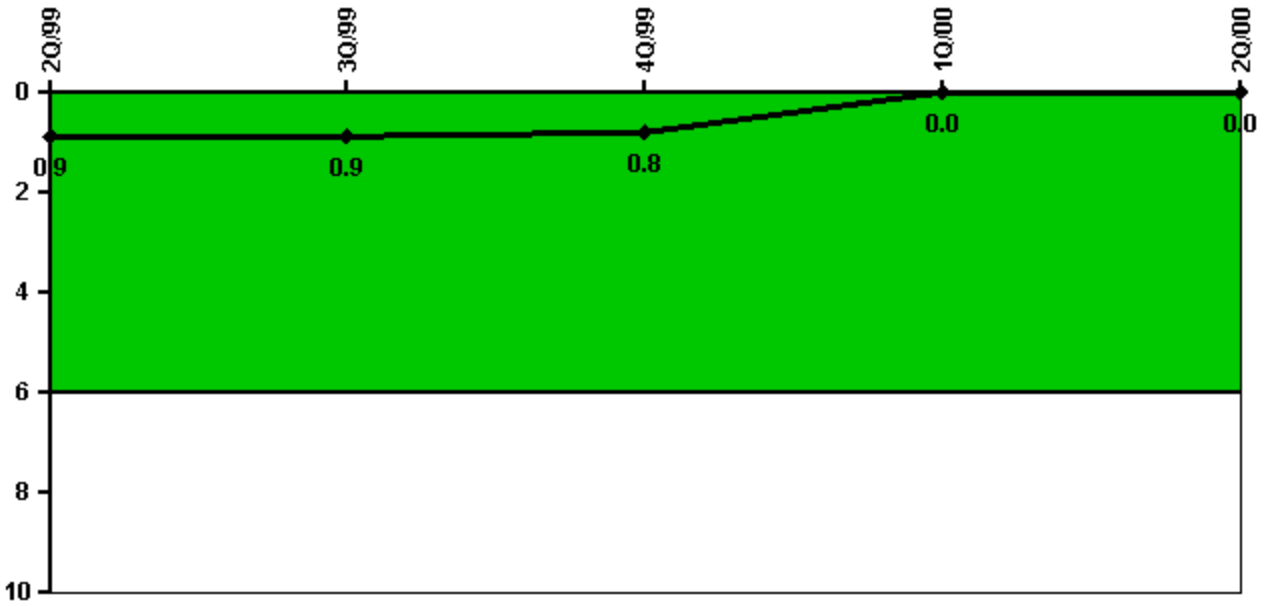

**Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0**

### Notes

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

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



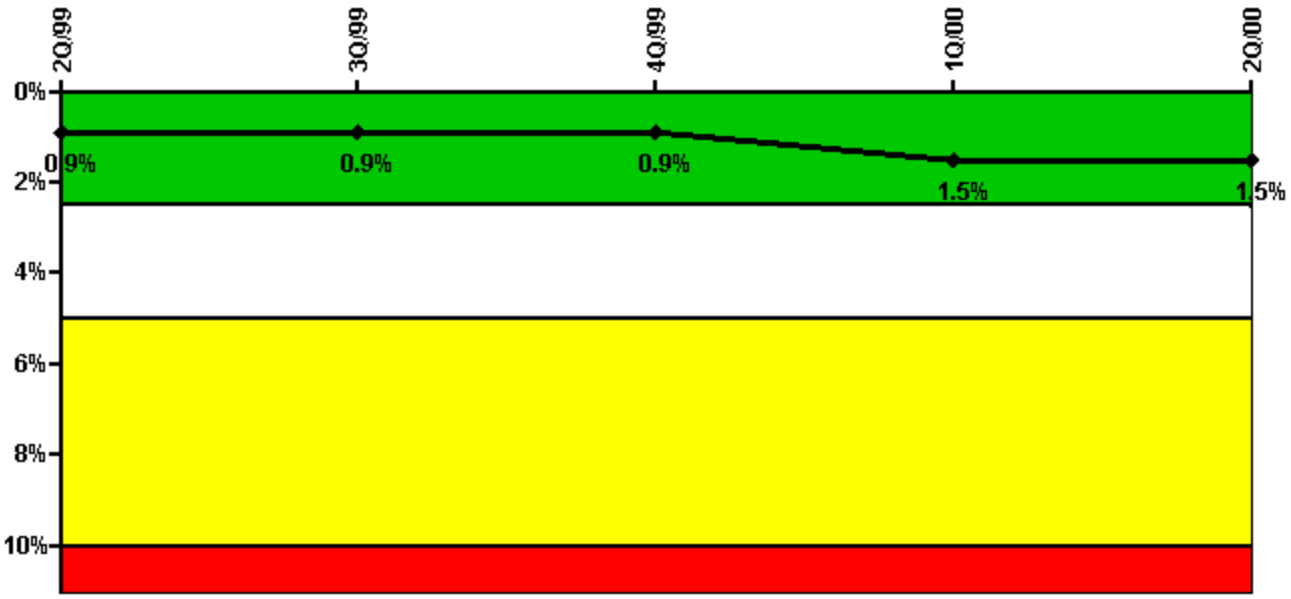

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 1257.2 |
| | | | | | |
| **Indicator value** | **0.9** | **0.9** | **0.8** | **0** | **0** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power




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

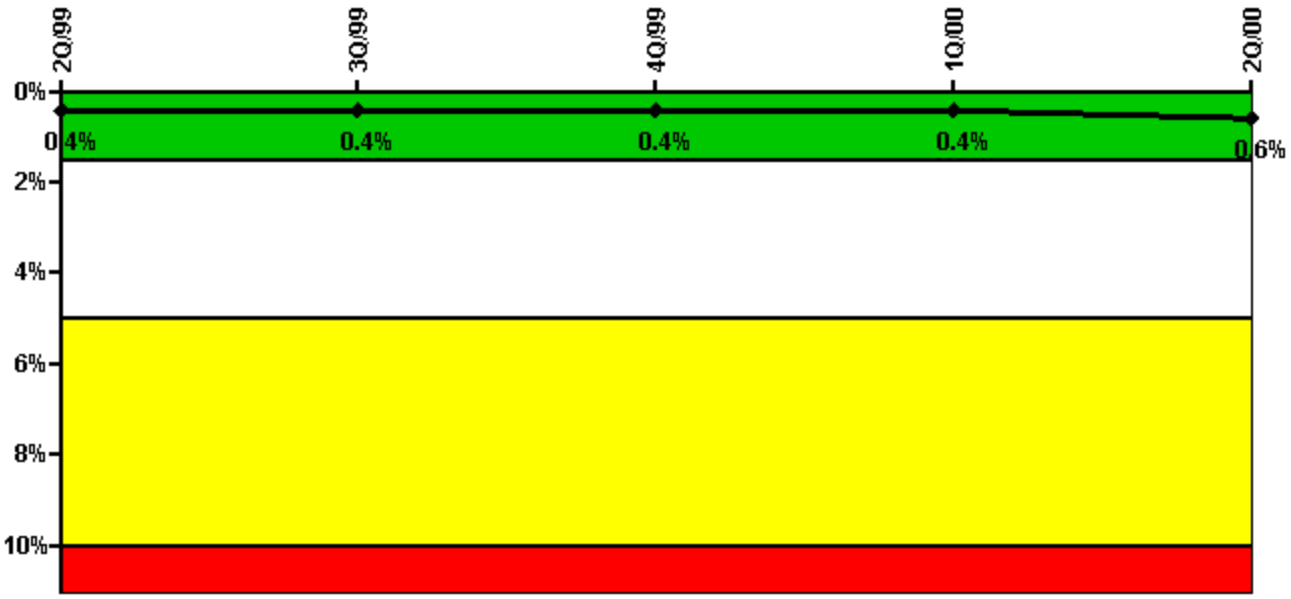
## Notes

| Safety System Unavailability, Emergency AC Power | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 5.77 | 5.50 | 32.72 | 5.37 | 3.79 |
| Unplanned unavailable hours | 0 | 0 | 37.73 | 9.10 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 340.05 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2057.75 |
| **Train 2** | | | | | |
| Planned unavailable hours | 14.52 | 5.97 | 31.77 | 16.20 | 5.23 |
| Unplanned unavailable hours | 0 | 0 | 8.18 | 31.50 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2057.75 |
| | | | | | |
| **Indicator value** | **0.9%** | **0.9%** | **0.9%** | **1.5%** | **1.5%** |

Licensee Comments:

3Q/98: Planned unavailable hours for 2Q96, 2Q97, 3Q97, and 3Q98 were revised to reflect current guidance of NEI 99-02, rev 0, which states that planned overhaul hours do not have to be included in the unavailable hours for this performance indicator. NEI 99-02 allows data, submitted prior to revision 0, may be revised and resubmitted to reflect current guidance if desired. Changes did not result in a threshold color change.

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



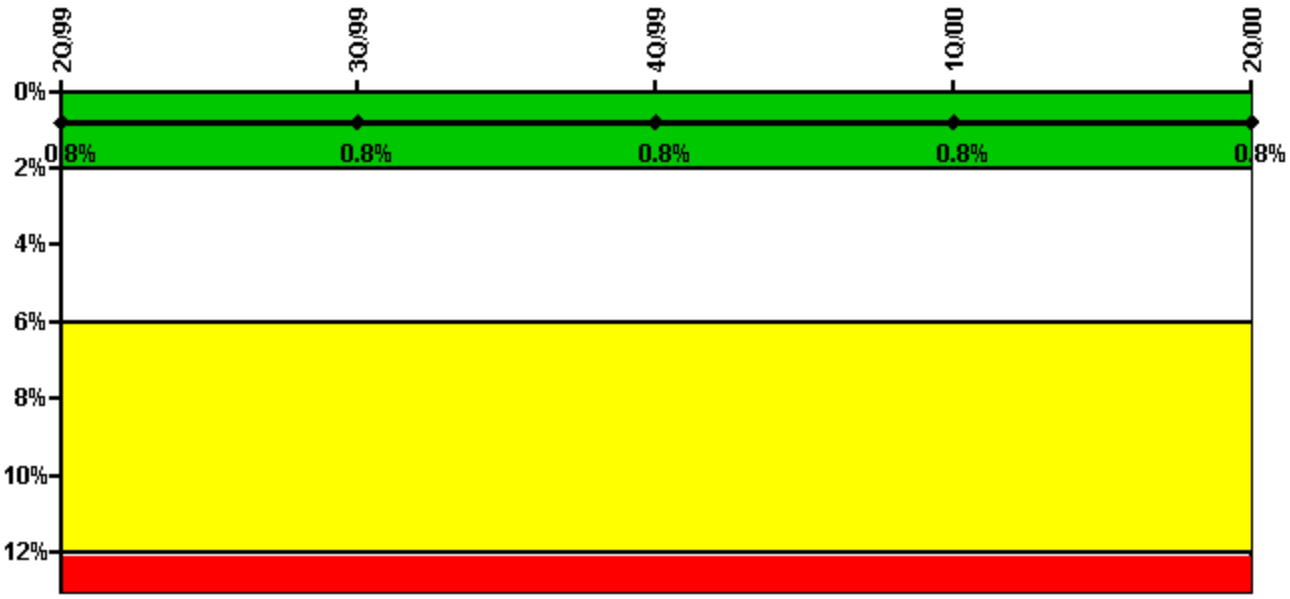

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0.86 | 3.17 | 1.88 | 8.85 | 33.00 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 14.07 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 1257.14 |
| **Train 2** | | | | | |
| Planned unavailable hours | 38.42 | 2.74 | 2.54 | 1.06 | 20.67 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.35 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 1257.14 |
| | | | | | |
| **Indicator value** | **0.4%** | **0.4%** | **0.4%** | **0.4%** | **0.6%** |

Licensee Comments: none

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




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

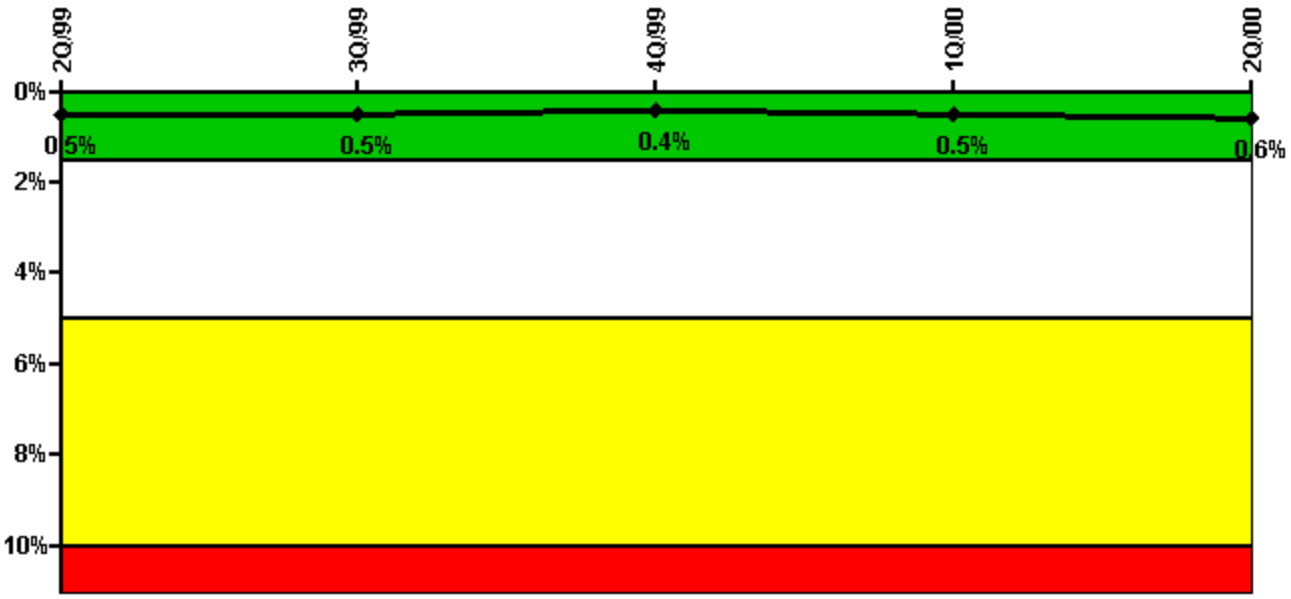
## Notes

| Safety System Unavailability, Heat Removal System (AFW) | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 4.28 | 9.79 | 4.22 | 13.04 | 8.75 |
| Unplanned unavailable hours | 0 | 0 | 0 | 44.05 | 11.37 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 1257.14 |
| **Train 2** | | | | | |
| Planned unavailable hours | 43.01 | 8.43 | 5.40 | 5.72 | 7.16 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.58 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 1257.14 |
| | | | | | |
| **Indicator value** | **0.8%** | **0.8%** | **0.8%** | **0.8%** | **0.8%** |

Licensee Comments:

4Q/99: On the 10/14/99 submittal, the planned unavailable hours for Train 2 for 10/1999 was 1.15 and should have been 1.97. The data entry on the 12/14/99 submittal did include the correct number of planned unavailable hours.

## 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/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0.99 | 12.42 | 3.95 | 8.95 | 33.84 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 14.07 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2057.75 |
| **Train 2** | | | | | |
| Planned unavailable hours | 38.52 | 12.79 | 3.81 | 1.13 | 21.20 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.35 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2057.75 |
| | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.4%** | **0.5%** | **0.6%** |

Licensee Comments:

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not

counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

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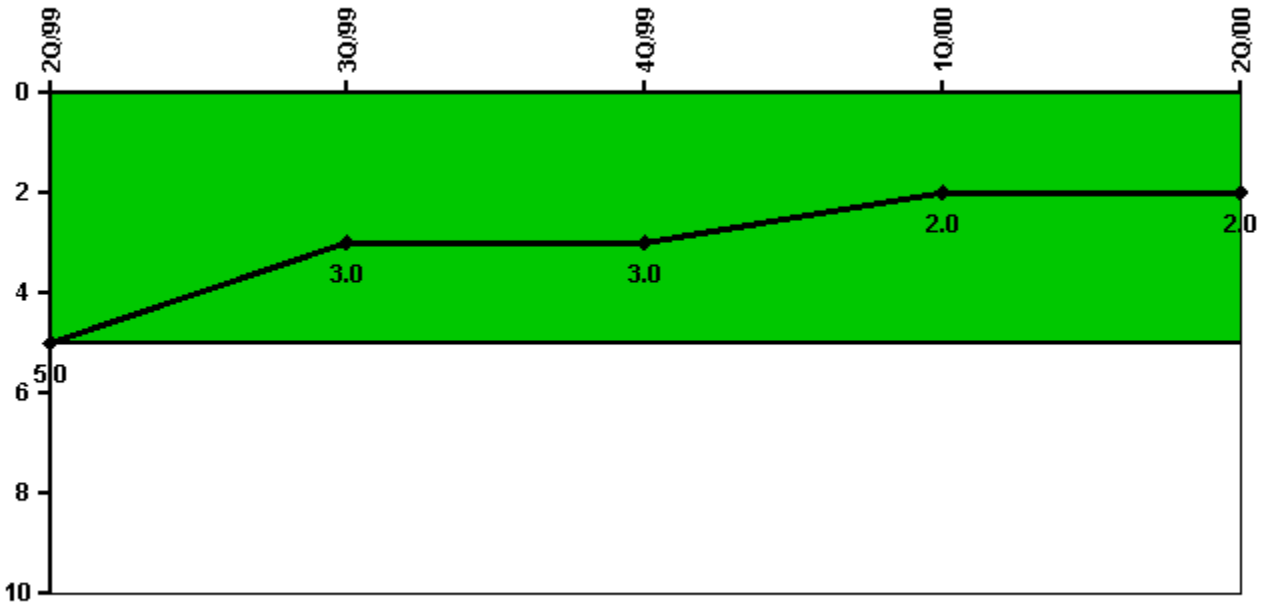
## Safety System Functional Failures (PWR)




**Thresholds: White > 5.0**

### Notes

| Safety System Functional Failures (PWR) | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 2 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **5** | **3** | **3** | **2** | **2** |

Licensee Comments: none

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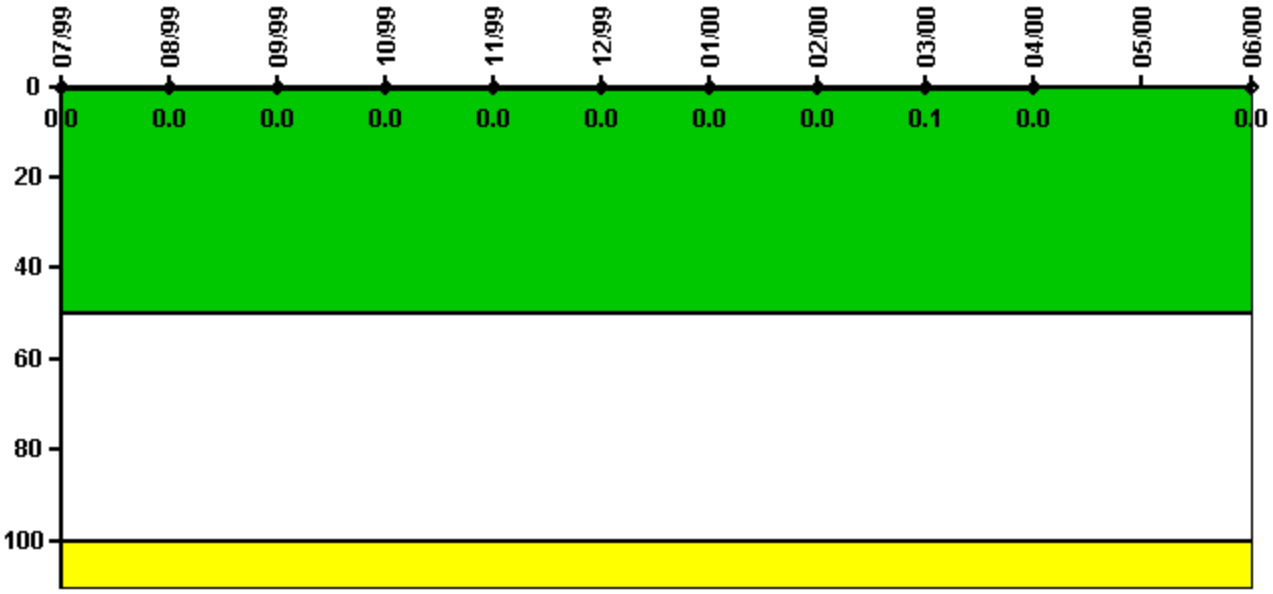
## Reactor Coolant System Activity




**Thresholds: White > 50.0 Yellow > 100.0**

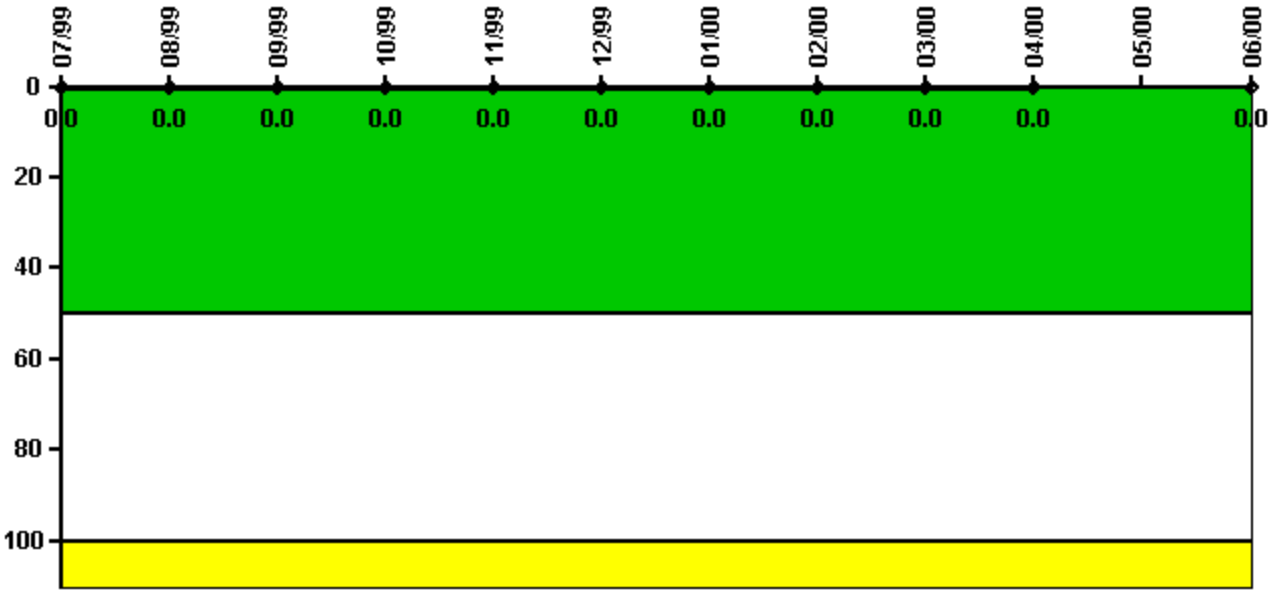
## Notes

| Reactor Coolant System Activity | 7/99 | 8/99 | 9/99 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000400 | 0.000420 | 0.000410 | 0.000410 | 0.000430 | 0.000470 | 0.000470 | 0.000480 | 0.000500 | 0.000480 | N/A | 0.000230 |
| 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** | **0.1** | **0** | **N/A** | **0** |

Licensee Comments:

6/00: Unit was in a refueling outage the entire month of May.

## Reactor Coolant System Leakage



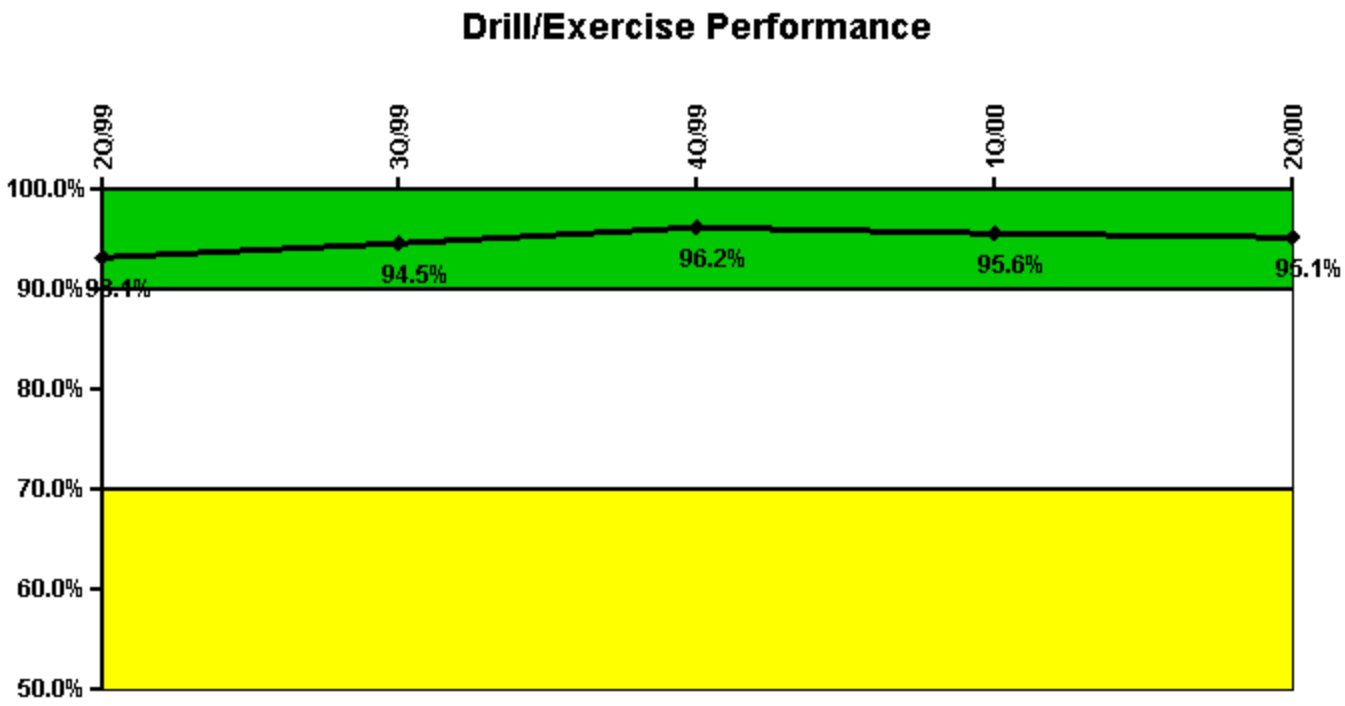

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Leakage | 7/99 | 8/99 | 9/99 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A | 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** | **N/A** | **0** |

Licensee Comments:

6/00: Unit was in a refueling outage the entire month of May.



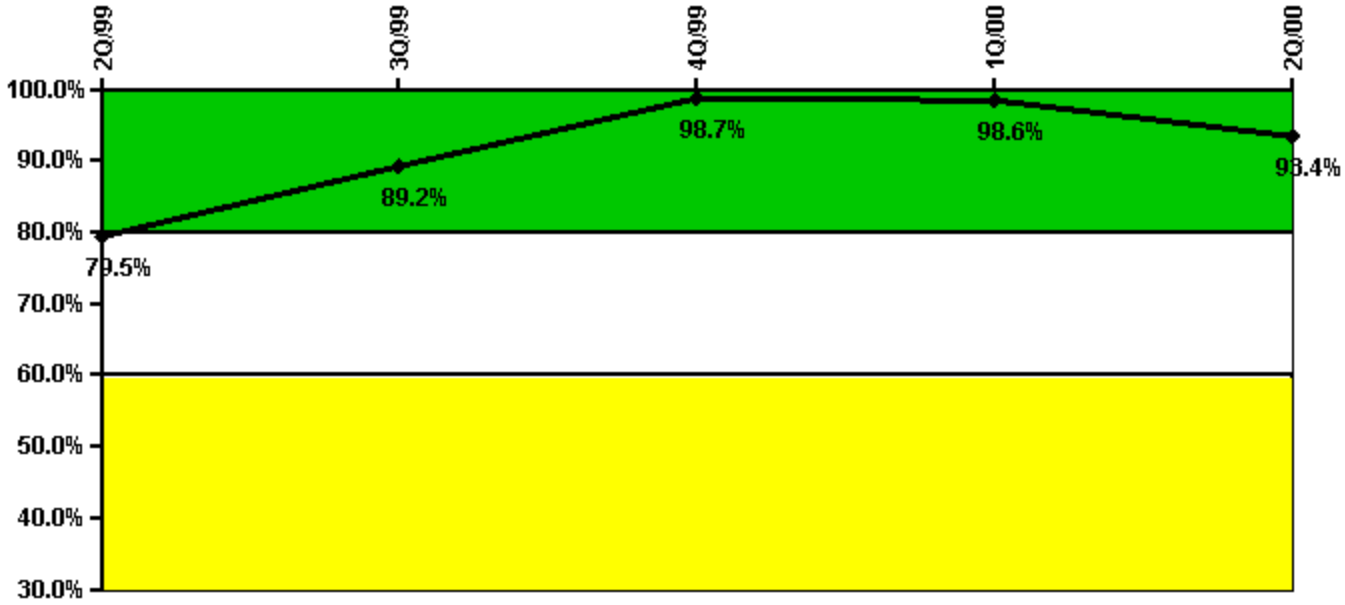

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Successful opportunities | 16.0 | 29.0 | 65.0 | 12.0 | 2.0 |
| Total opportunities | 16.0 | 29.0 | 68.0 | 14.0 | 2.0 |
| | | | | | |
| **Indicator value** | **93.1%** | **94.5%** | **96.2%** | **95.6%** | **95.1%** |

Licensee Comments: none

## ERO Drill Participation



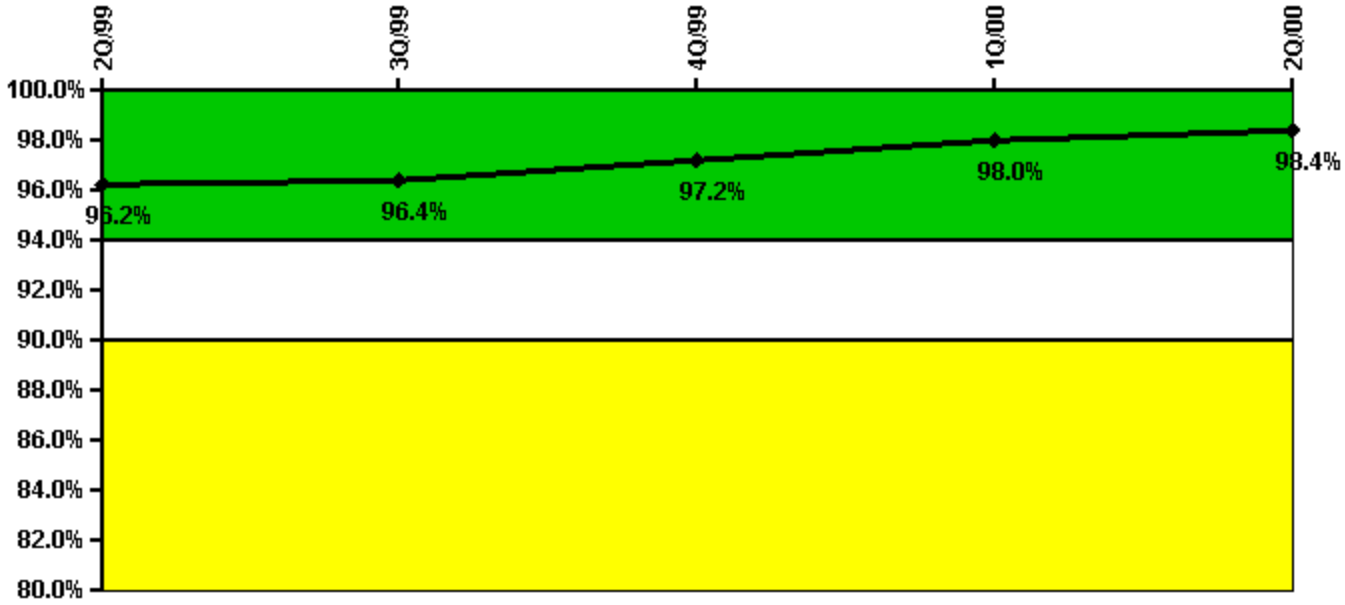

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Participating Key personnel | 66.0 | 74.0 | 76.0 | 73.0 | 71.0 |
| Total Key personnel | 83.0 | 83.0 | 77.0 | 74.0 | 76.0 |
| | | | | | |
| **Indicator value** | **79.5%** | **89.2%** | **98.7%** | **98.6%** | **93.4%** |

Licensee Comments: none

## Alert & Notification System



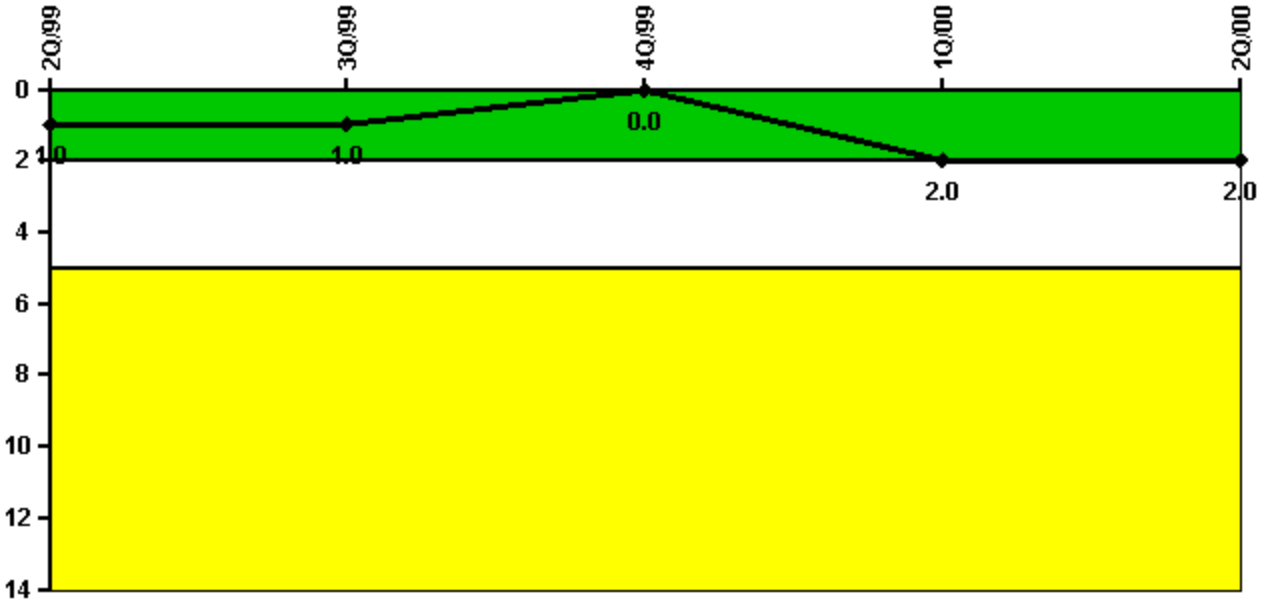

**Thresholds: White < 94.0% Yellow < 90.0%**

### Notes

| Alert & Notification System | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Successful siren-tests | 301 | 302 | 312 | 308 | 306 |
| Total sirens-tests | 312 | 312 | 312 | 312 | 312 |
| | | | | | |
| **Indicator value** | **96.2%** | **96.4%** | **97.2%** | **98.0%** | **98.4%** |

Licensee Comments: none

## Occupational Exposure Control Effectiveness




**Thresholds: White > 2.0 Yellow > 5.0**

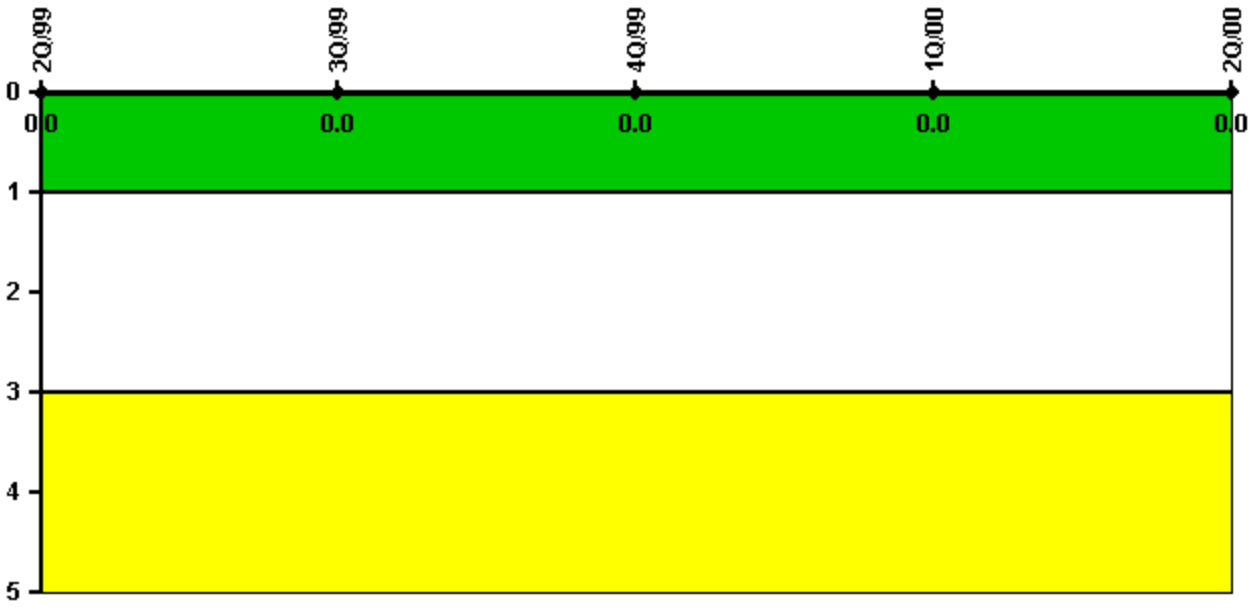
## Notes

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

Licensee Comments:

1Q/00: 1Q2000 - Number of Technical Specification High Radiation Area Occurrences was conservatively changed from 1 to 2. Originally, this was considered a single occurrence - a failure to lock a Technical Specification High Radiation Area. Subsequent review revealed a second opportunity - a failure to conduct a timely survey. Both occurrences were associated with a single work activity in the same High Radiation Area. Change did not result in a threshold color change.

## RETS/ODCM Radiological Effluent



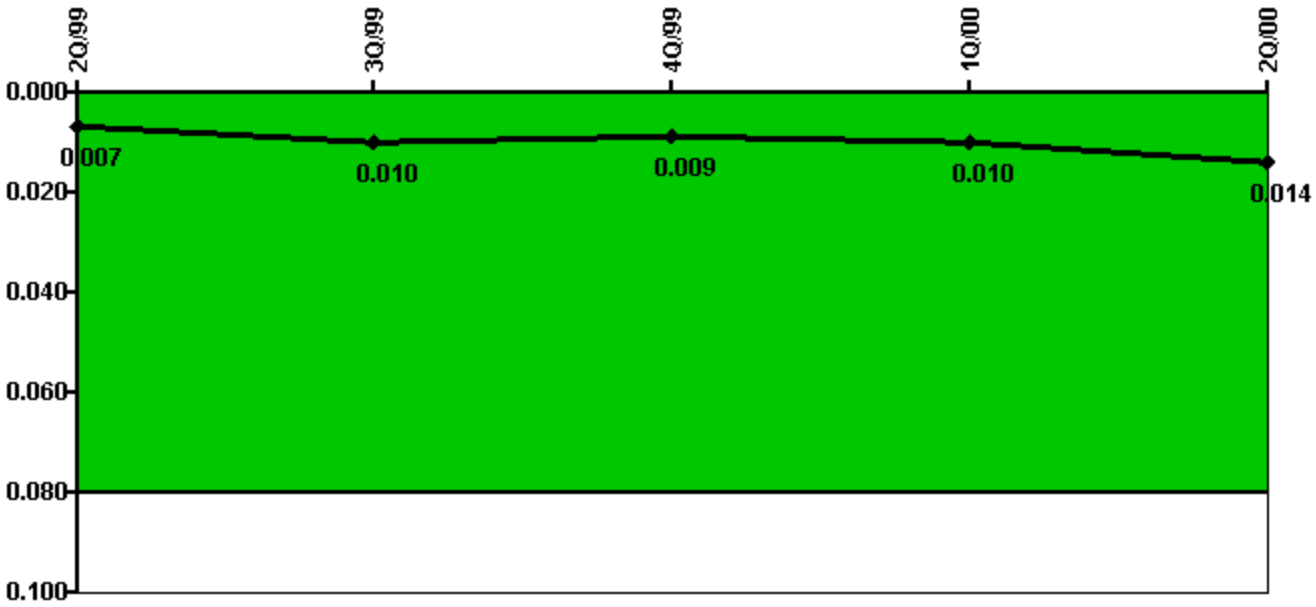

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

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

Licensee Comments: none

## Protected Area Security Performance Index



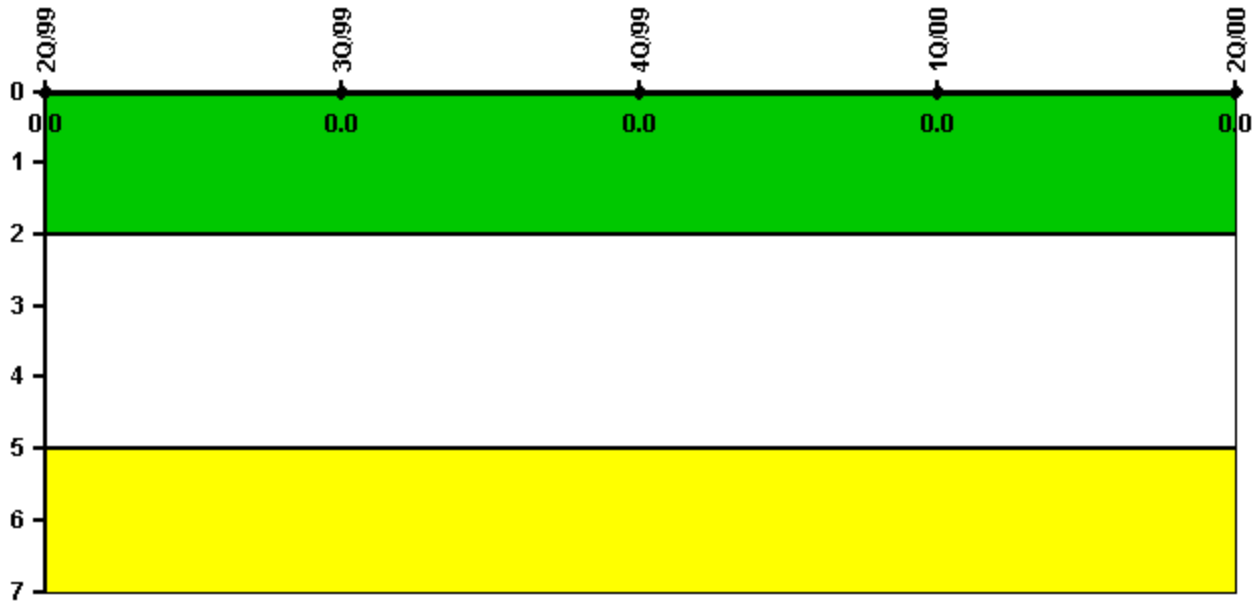

**Thresholds: White > 0.080**

## Notes

| Protected Area Security Performance Index | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| IDS compensatory hours | 72.30 | 70.50 | 7.10 | 37.03 | 155.08 |
| CCTV compensatory hours | 0 | 0 | 0 | 0 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | |
| **Index Value** | **0.007** | **0.010** | **0.009** | **0.010** | **0.014** |

Licensee Comments: none

## Personnel Screening Program



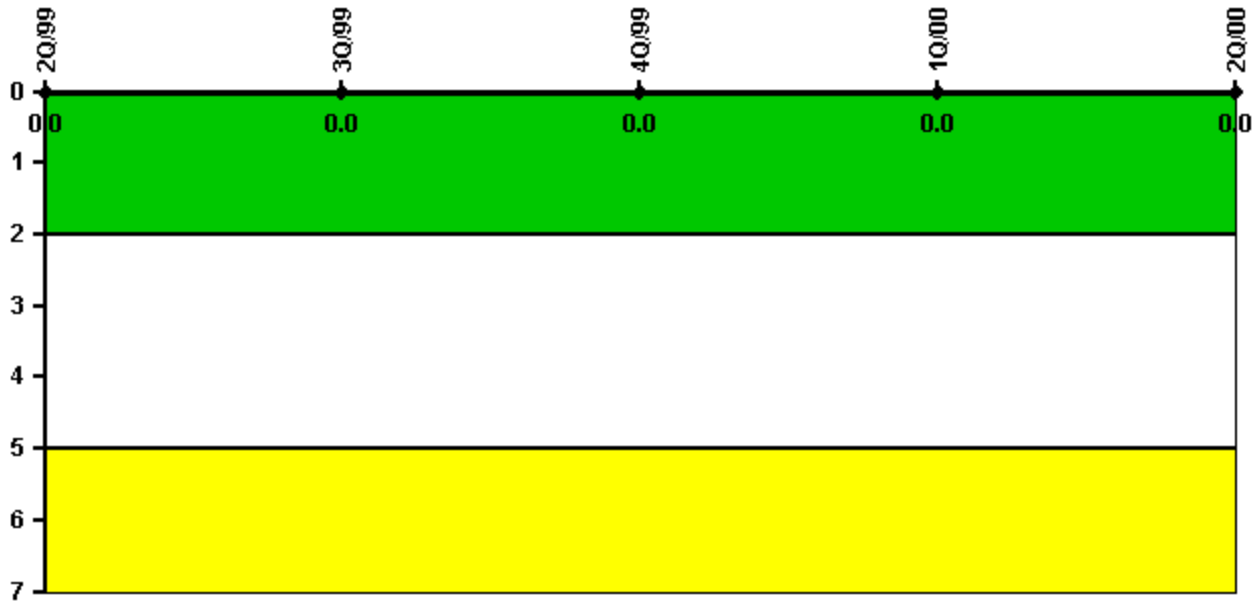

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Personnel Screening Program | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/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 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/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*