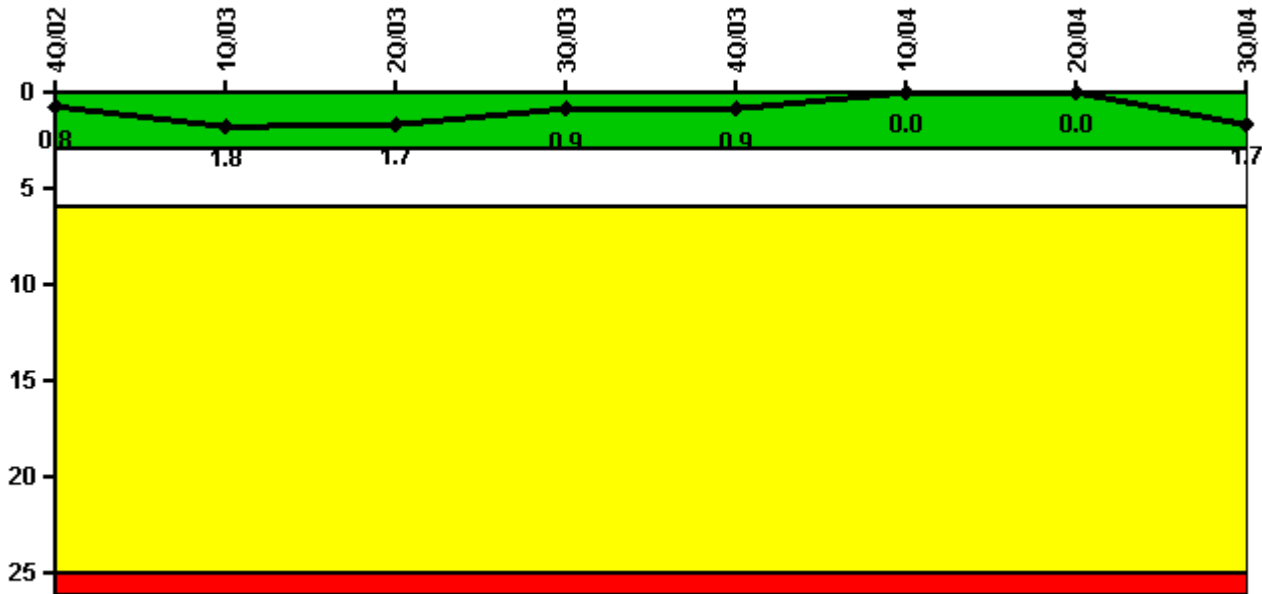


Browns Ferry 2

3Q/2004 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/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 2.0 |
| Critical hours | 1981.0 | 1703.3 | 2183.0 | 2208.0 | 1962.0 | 2184.0 | 2183.0 | 2143.7 |
| Indicator value | 0.8 | 1.8 | 1.7 | 0.9 | 0.9 | 0 | 0 | 1.7 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



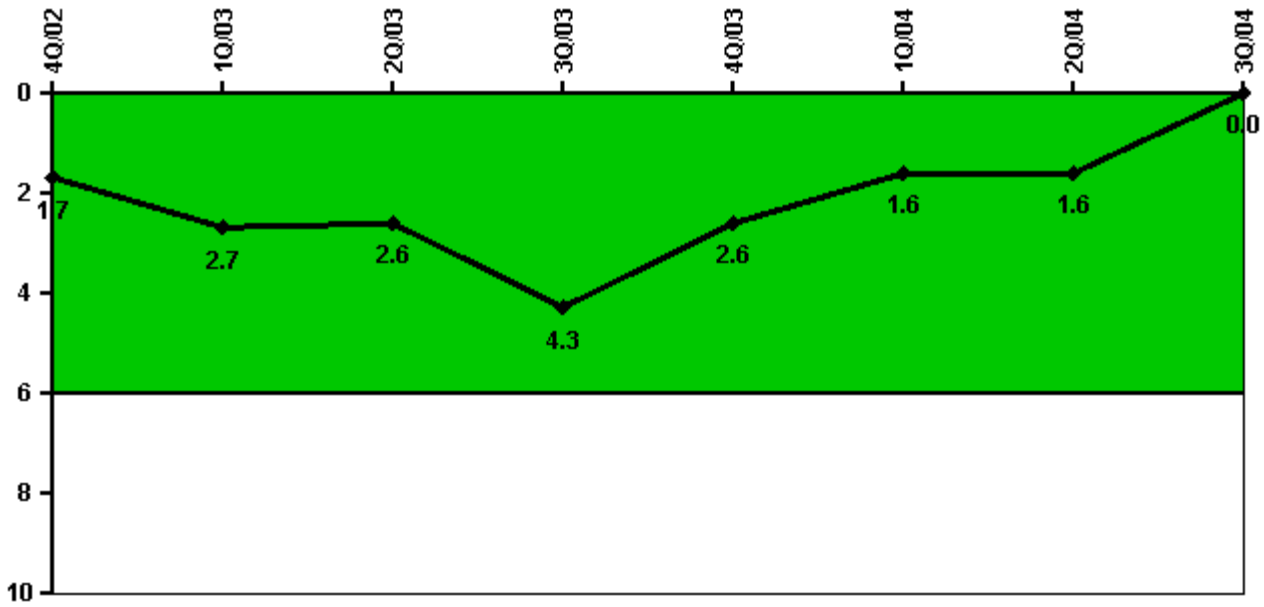
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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



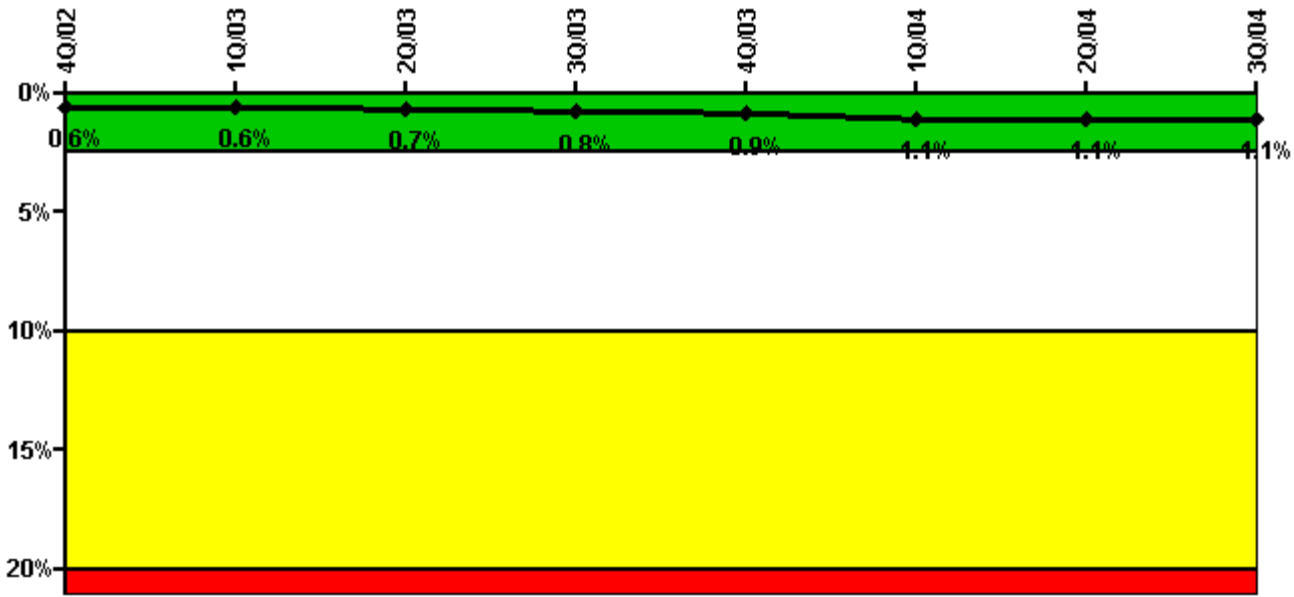
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 2.0 | 1.0 | 0 | 2.0 | 0 | 0 | 0 | 0 |
| Critical hours | 1981.0 | 1703.3 | 2183.0 | 2208.0 | 1962.0 | 2184.0 | 2183.0 | 2143.7 |
| Indicator value | 1.7 | 2.7 | 2.6 | 4.3 | 2.6 | 1.6 | 1.6 | 0 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

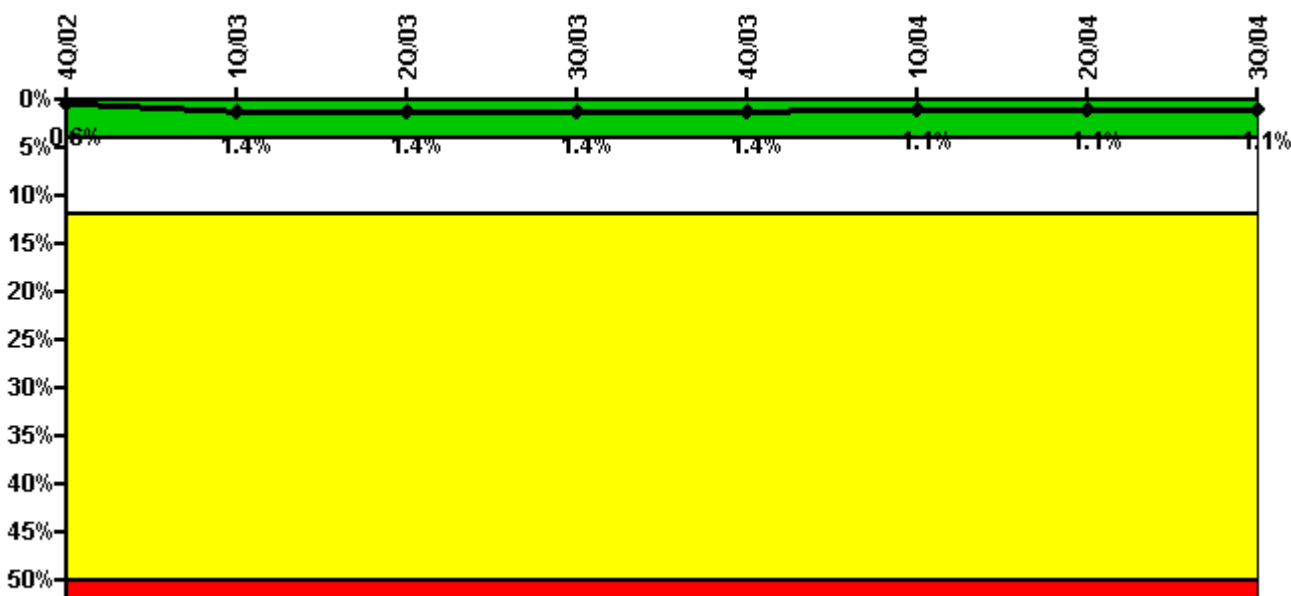
Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0.95 | 1.52 | 47.44 | 38.97 | 3.83 | 1.08 | 1.46 | 1.57 |
| Unplanned unavailable hours | 0 | 0 | 0 | 35.57 | 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 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2184.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0.71 | 5.29 | 12.80 | 39.40 | 37.85 | 1.02 | 0.81 | 1.21 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 15.52 | 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 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2184.00 | 2208.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 1.20 | 82.33 | 7.52 | 11.02 | 1.02 | 0.99 | 0.53 | 1.25 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 7.03 | 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 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2184.00 | 2208.00 |
| Train 4 | | | | | | | | |
| Planned unavailable hours | 1.02 | 14.89 | 59.27 | 6.19 | 22.61 | 50.82 | 1.01 | 0.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 57.42 | 0 | 4.55 | 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 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2184.00 | 2208.00 |
| Train 5 | | | | | | | | |
| Planned unavailable hours | 1.73 | 6.16 | 9.28 | 1.07 | 67.80 | 1.50 | 0.93 | 1.11 |
| Unplanned unavailable hours | 0 | 27.68 | 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 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2184.00 | 2208.00 |
| Train 6 | | | | | | | | |
| Planned unavailable hours | 1.95 | 4.89 | 1.56 | 6.30 | 2.09 | 58.30 | 0.76 | 2.68 |
| 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 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2184.00 | 2208.00 |
| Train 7 | | | | | | | | |
| Planned unavailable hours | 8.05 | 1.55 | 37.81 | 4.44 | 2.02 | 1.85 | 2.32 | 3.59 |
| 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 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2184.00 | 2208.00 |
| Train 8 | | | | | | | | |
| Planned unavailable hours | 0.98 | 14.01 | 10.89 | 3.86 | 1.29 | 1.18 | 1.39 | 1.05 |
| Unplanned unavailable hours | 0 | 0 | 34.08 | 0 | 0 | 89.95 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 378.67 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2184.00 | 2208.00 |
| Indicator value | 0.6% | 0.6% | 0.7% | 0.8% | 0.9% | 1.1% | 1.1% | 1.1% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)



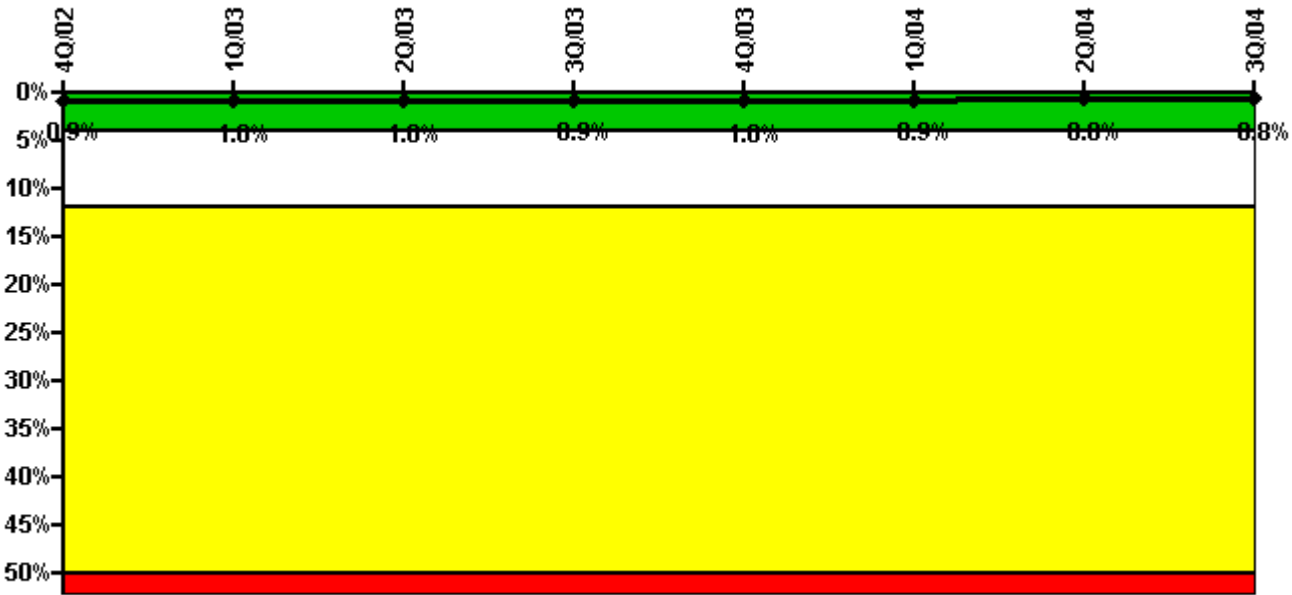
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 184.85 | 3.90 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 19.13 | 0 | 0 | 11.69 | 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 | 1981.60 | 1580.52 | 2183.00 | 2208.00 | 1942.05 | 2184.00 | 2184.00 | 2208.00 |
| Indicator value | 0.6% | 1.4% | 1.4% | 1.4% | 1.4% | 1.1% | 1.1% | 1.1% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



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

Notes

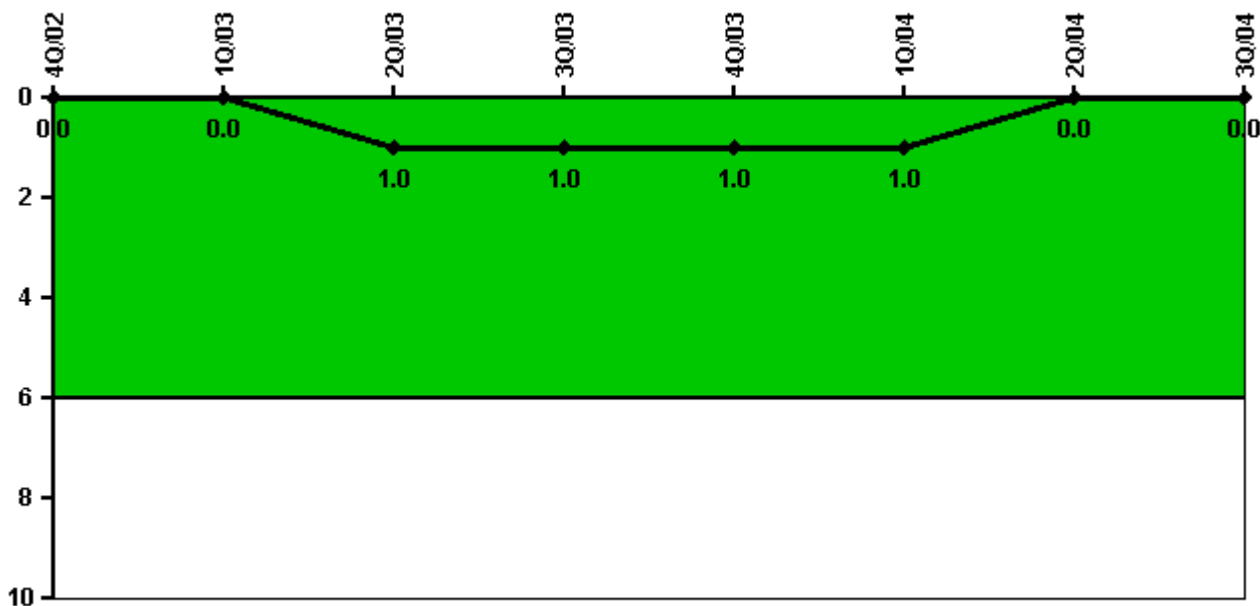
| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 144.65 | 0.62 | 4.34 | 1.00 | 8.35 | 0 | 8.58 | 0.33 |
| Unplanned unavailable hours | 0 | 28.97 | 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 | 1981.60 | 1580.52 | 2183.00 | 2208.00 | 1942.05 | 2184.00 | 2184.00 | 2208.00 |
| Indicator value | 0.9% | 1.0% | 1.0% | 0.9% | 1.0% | 0.9% | 0.8% | 0.8% |

Licensee Comments: none

| | | | | | | | | |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Required hours | 2209.00 | 1673.40 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| Indicator value | 0.5% | 0.5% | 0.5% | 0.5% | 0.7% | 0.8% | 0.8% | 0.8% |

Licensee Comments: none

Safety System Functional Failures (BWR)



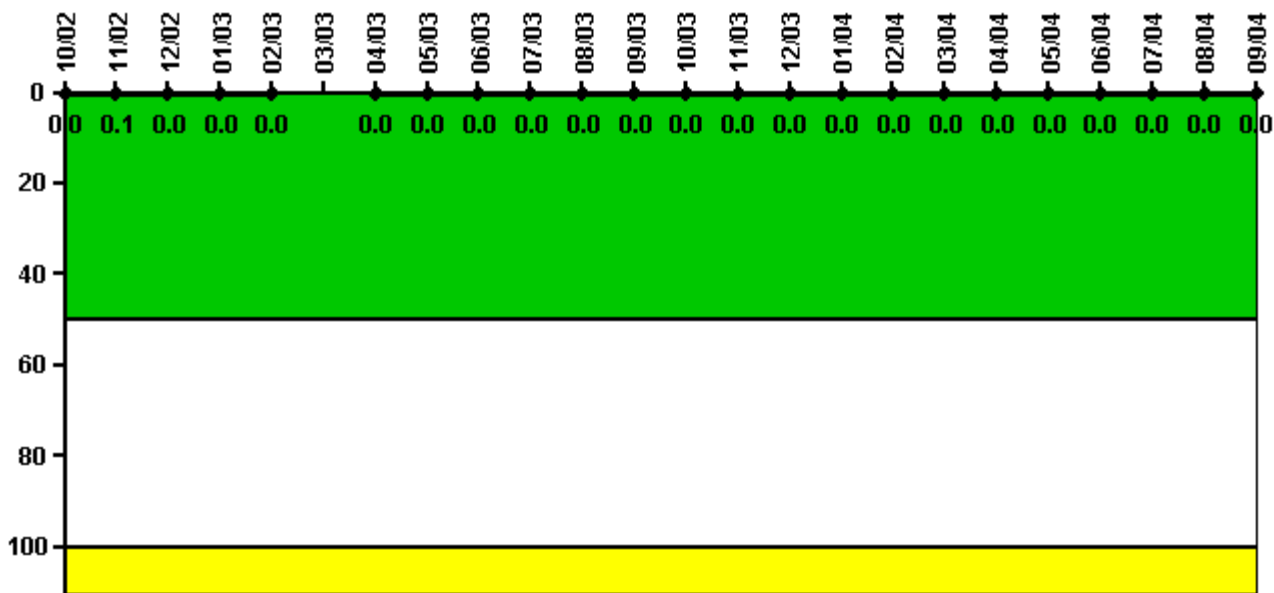
Thresholds: White > 6.0

Notes

| Safety System Functional Failures (BWR) | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

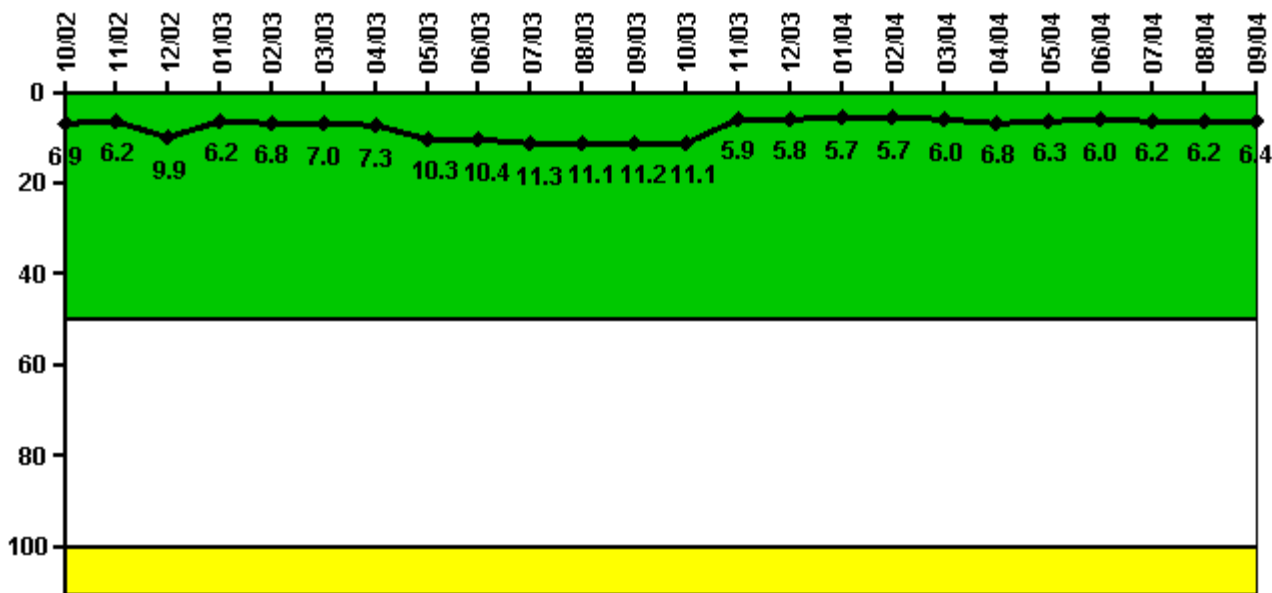
Notes

| Reactor Coolant System Activity | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 |
|---------------------------------|----------|----------|----------|----------|----------|------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000045 | 0.001870 | 0.001015 | 0.001060 | 0.000990 | N/A | 0.000622 | 0.000153 | 0.000109 | 0.000107 | 0.000109 | 0.000098 |
| Technical specification limit | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| Indicator value | 0 | 0.1 | 0 | 0 | 0 | N/A | 0 | 0 | 0 | 0 | 0 | 0 |

| Reactor Coolant System Activity | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000119 | 0.000134 | 0.000184 | 0.000092 | 0.000200 | 0.000092 | 0.000114 | 0.000087 | 0.000114 | 0.000128 | 0.000081 | 0.000110 |
| Technical specification limit | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



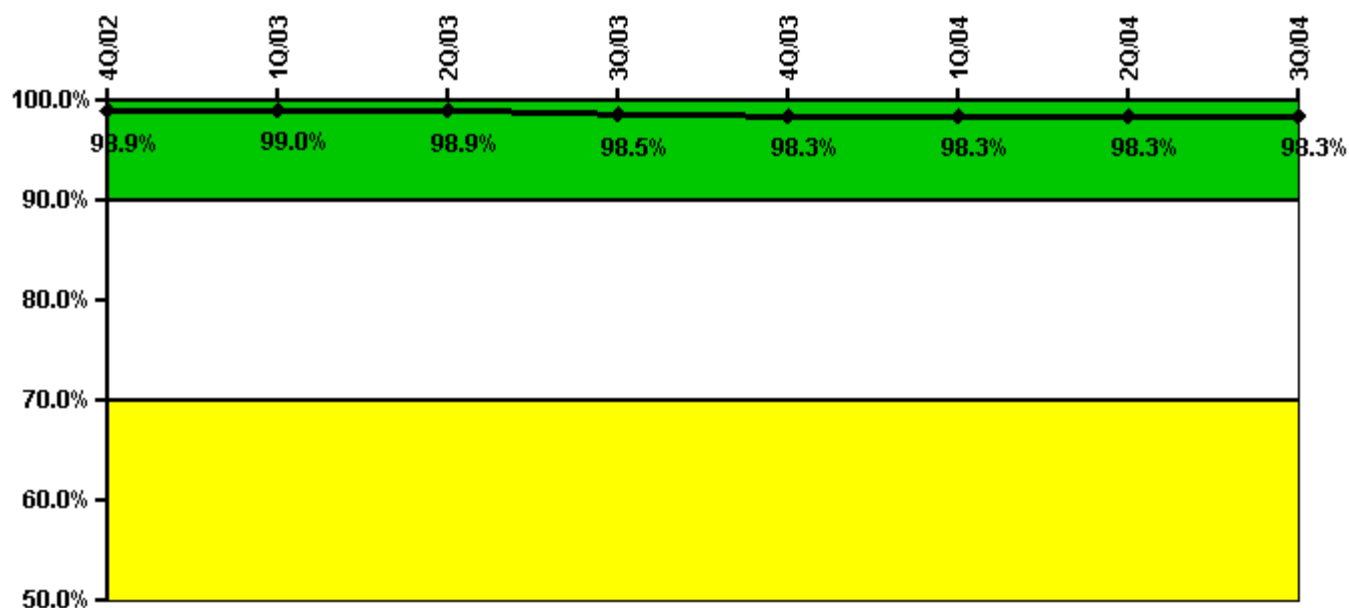
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Leakage | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 2.080 | 1.870 | 2.970 | 1.870 | 2.050 | 2.100 | 2.200 | 3.090 | 3.110 | 3.380 | 3.320 | 3.360 |
| 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 | 6.9 | 6.2 | 9.9 | 6.2 | 6.8 | 7.0 | 7.3 | 10.3 | 10.4 | 11.3 | 11.1 | 11.2 |
| Reactor Coolant System Leakage | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 |
| Maximum leakage | 3.340 | 1.780 | 1.750 | 1.710 | 1.720 | 1.810 | 2.040 | 1.880 | 1.800 | 1.860 | 1.870 | 1.910 |
| 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 | 11.1 | 5.9 | 5.8 | 5.7 | 5.7 | 6.0 | 6.8 | 6.3 | 6.0 | 6.2 | 6.2 | 6.4 |

Licensee Comments: none

Drill/Exercise Performance



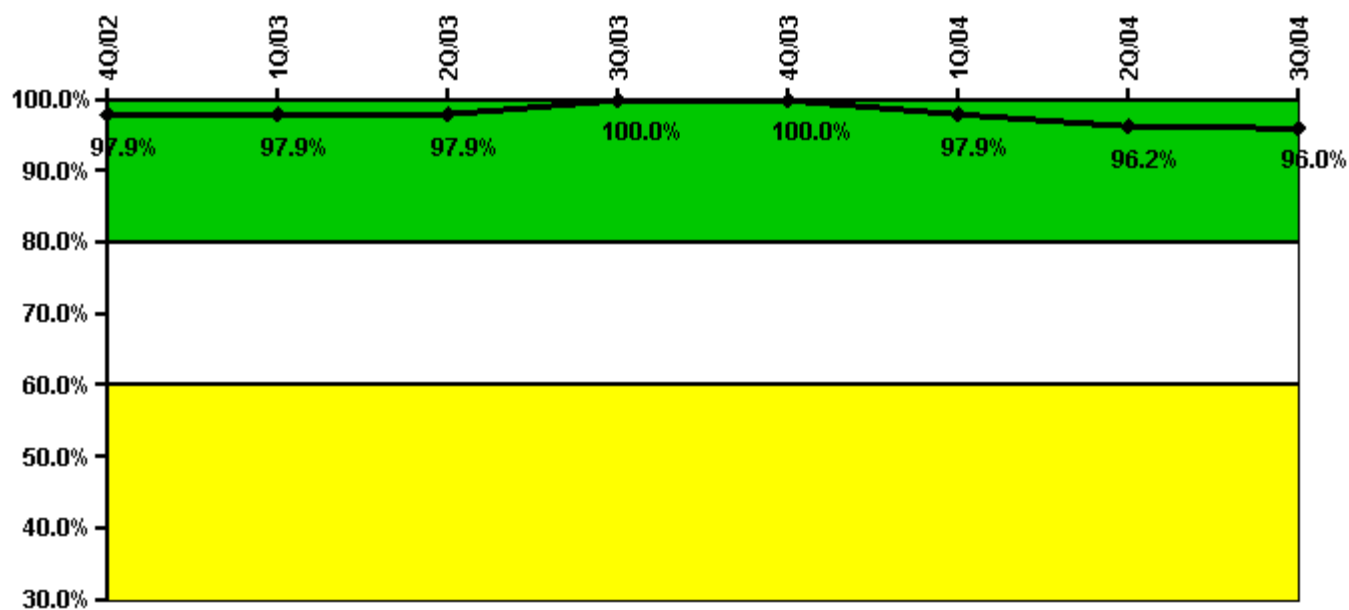
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 62.0 | 12.0 | 12.0 | 19.0 | 51.0 | 6.0 | 6.0 | 7.0 |
| Total opportunities | 63.0 | 12.0 | 12.0 | 20.0 | 52.0 | 6.0 | 6.0 | 7.0 |
| Indicator value | 98.9% | 99.0% | 98.9% | 98.5% | 98.3% | 98.3% | 98.3% | 98.3% |

Licensee Comments: none

ERO Drill Participation



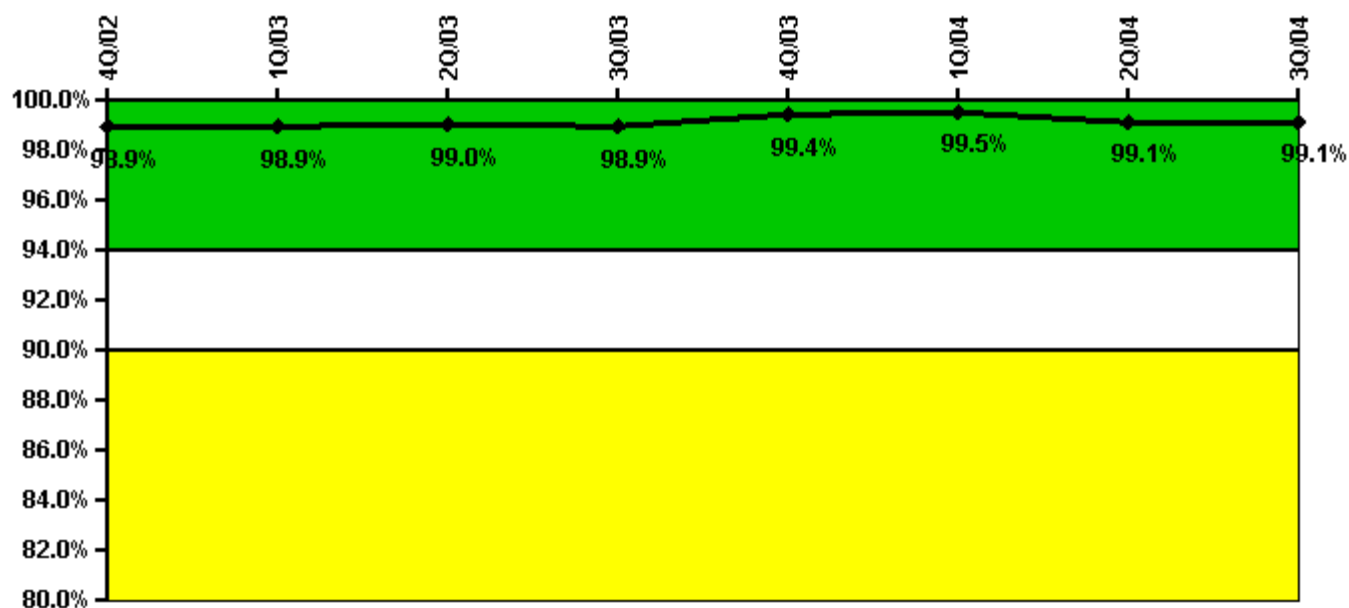
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|-----------------------------|-------|-------|-------|--------|--------|-------|-------|-------|
| Participating Key personnel | 47.0 | 46.0 | 47.0 | 49.0 | 50.0 | 47.0 | 51.0 | 48.0 |
| Total Key personnel | 48.0 | 47.0 | 48.0 | 49.0 | 50.0 | 48.0 | 53.0 | 50.0 |
| Indicator value | 97.9% | 97.9% | 97.9% | 100.0% | 100.0% | 97.9% | 96.2% | 96.0% |

Licensee Comments: none

Alert & Notification System



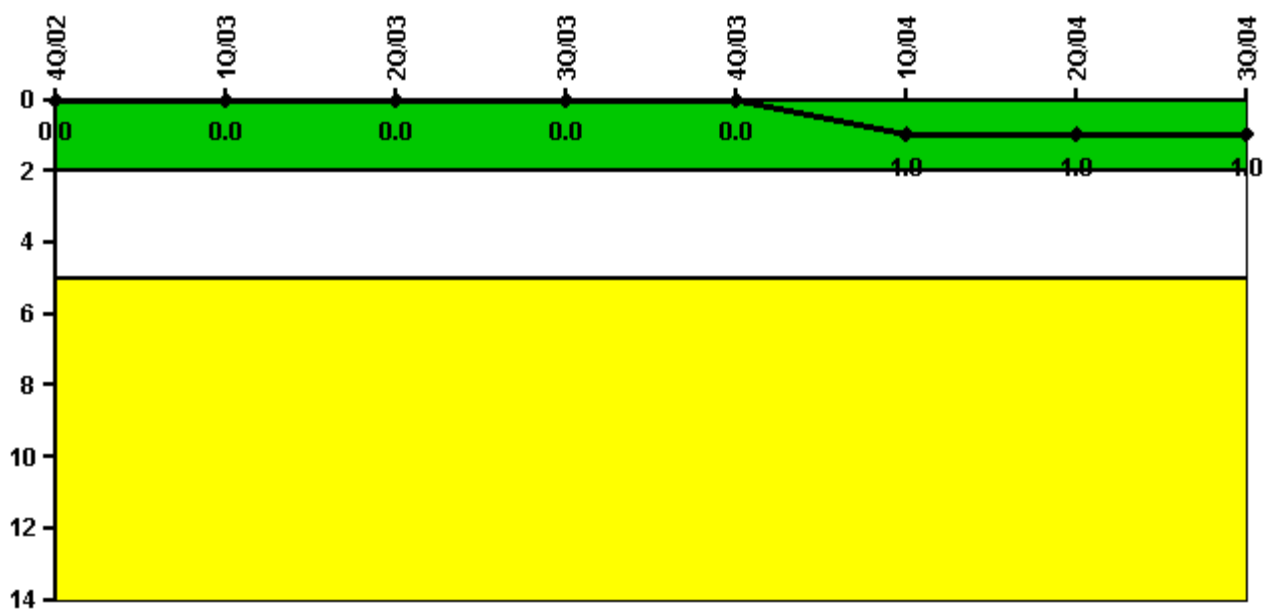
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 1083 | 593 | 995 | 594 | 1098 | 596 | 883 | 694 |
| Total sirens-tests | 1100 | 600 | 1000 | 600 | 1100 | 600 | 900 | 700 |
| Indicator value | 98.9% | 98.9% | 99.0% | 98.9% | 99.4% | 99.5% | 99.1% | 99.1% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 1 | 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 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.

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

Last Modified: October 25, 2004