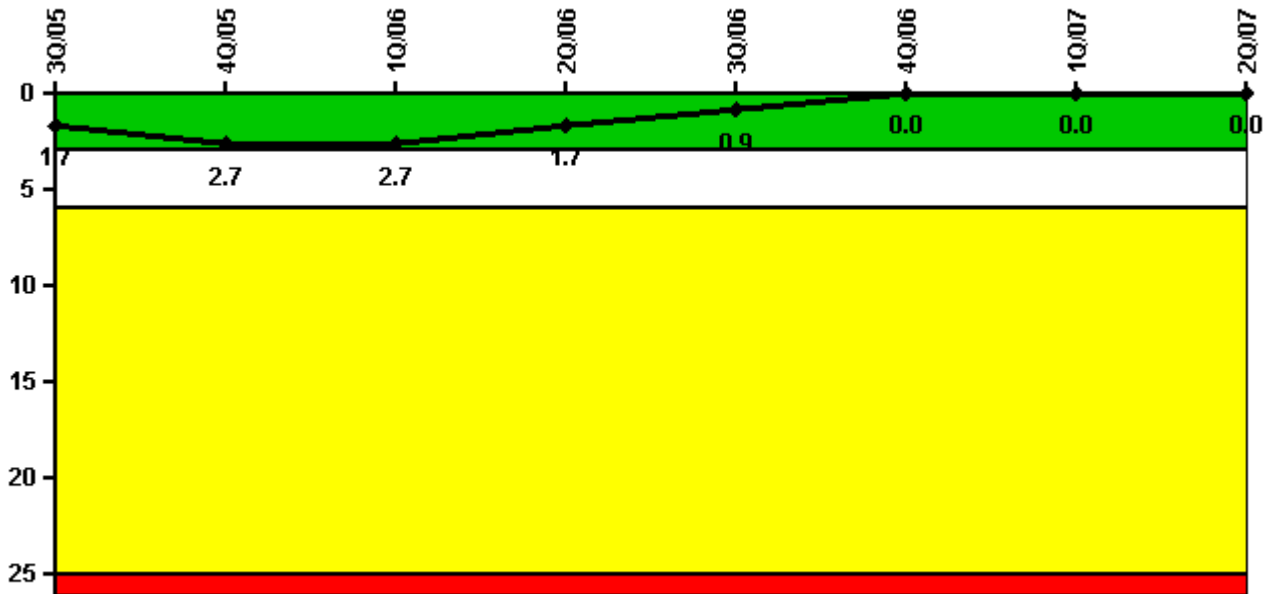


Millstone 3

2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



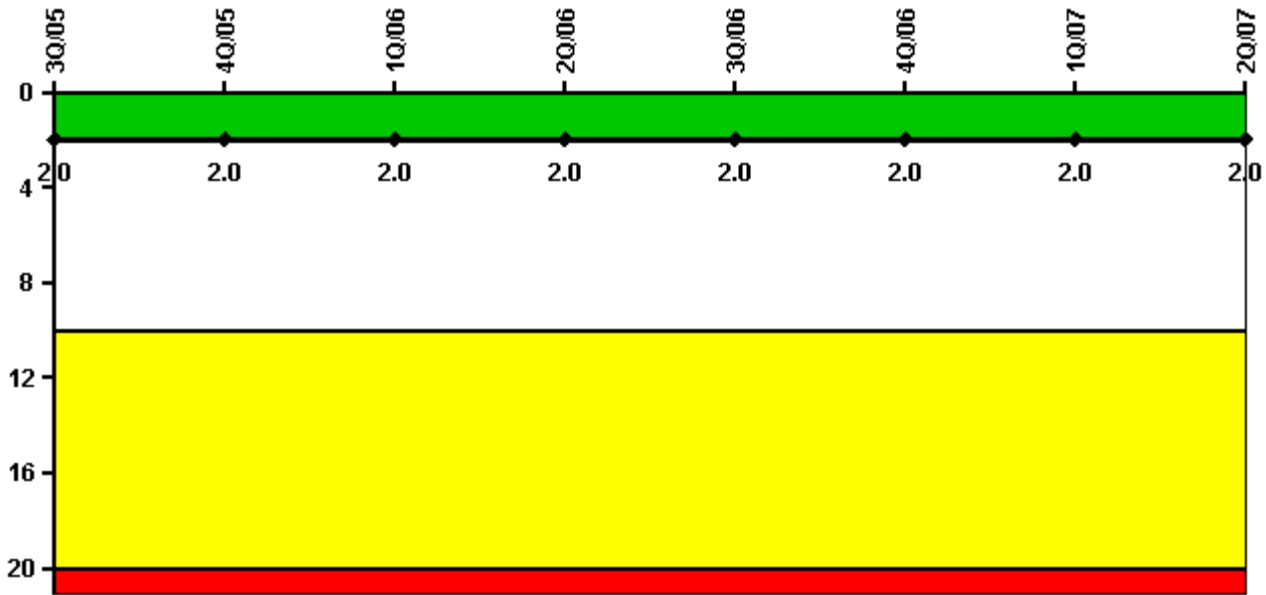
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2173.2 | 1510.5 | 2160.0 | 2183.0 | 2208.0 | 2209.0 | 2128.3 | 1199.3 |
| Indicator value | 1.7 | 2.7 | 2.7 | 1.7 | 0.9 | 0 | 0 | 0 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



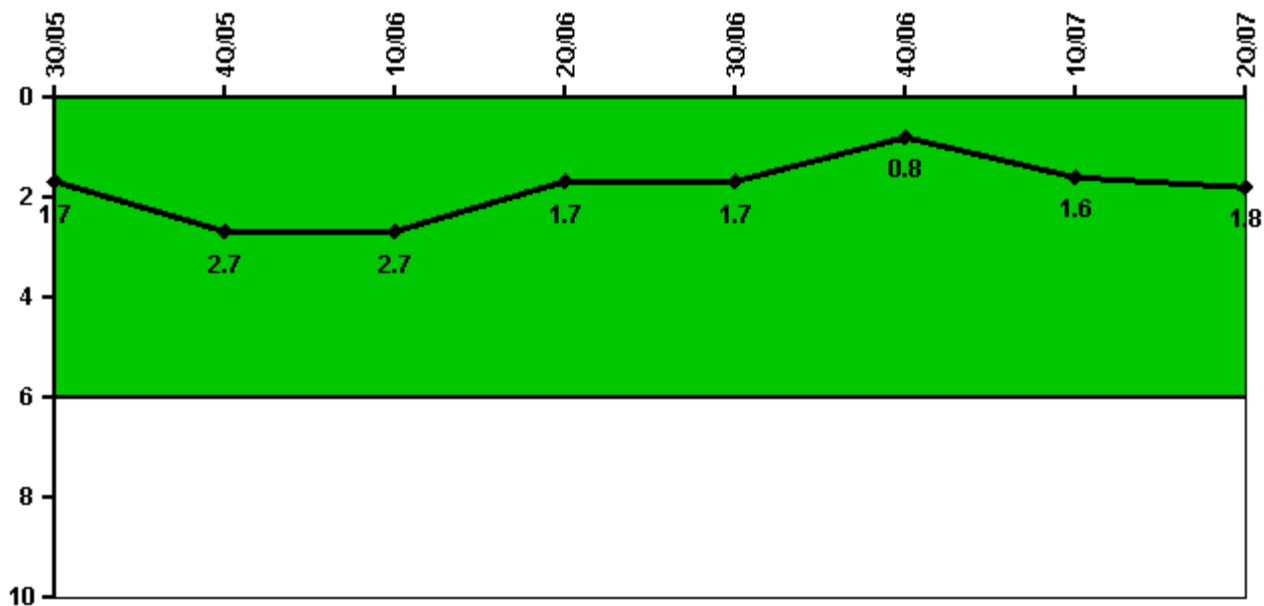
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



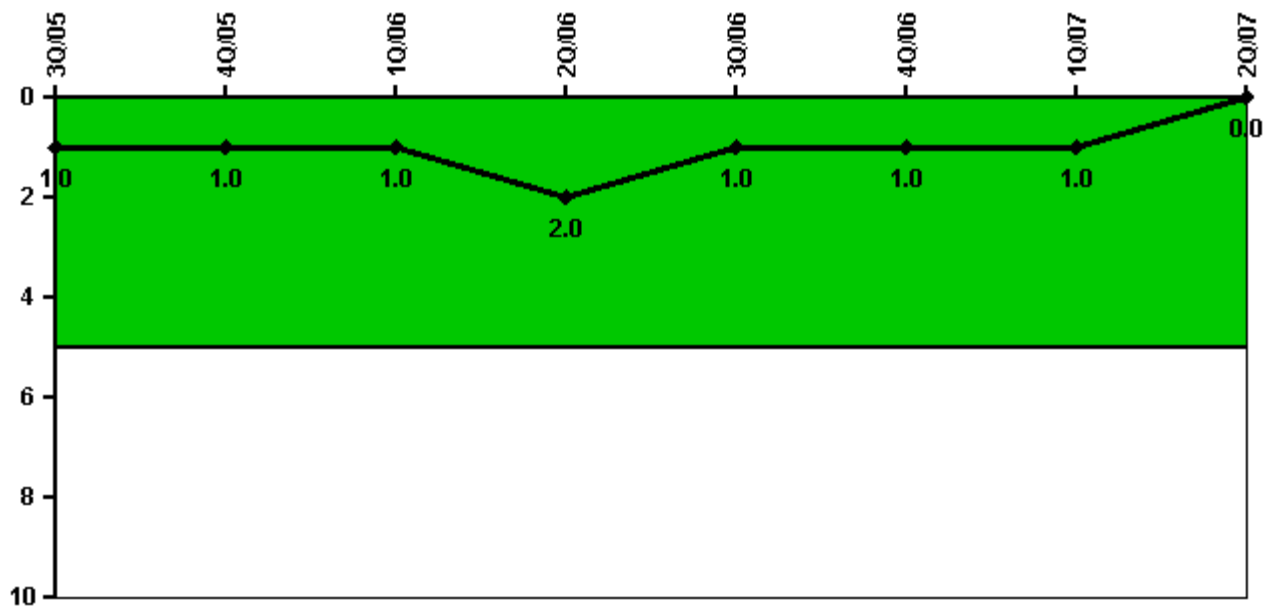
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 2.0 | 0 | 0 | 0 | 1.0 | 1.0 | 0 |
| Critical hours | 2173.2 | 1510.5 | 2160.0 | 2183.0 | 2208.0 | 2209.0 | 2128.3 | 1199.3 |
| Indicator value | 1.7 | 2.7 | 2.7 | 1.7 | 1.7 | 0.8 | 1.6 | 1.8 |

Licensee Comments: none

Safety System Functional Failures (PWR)



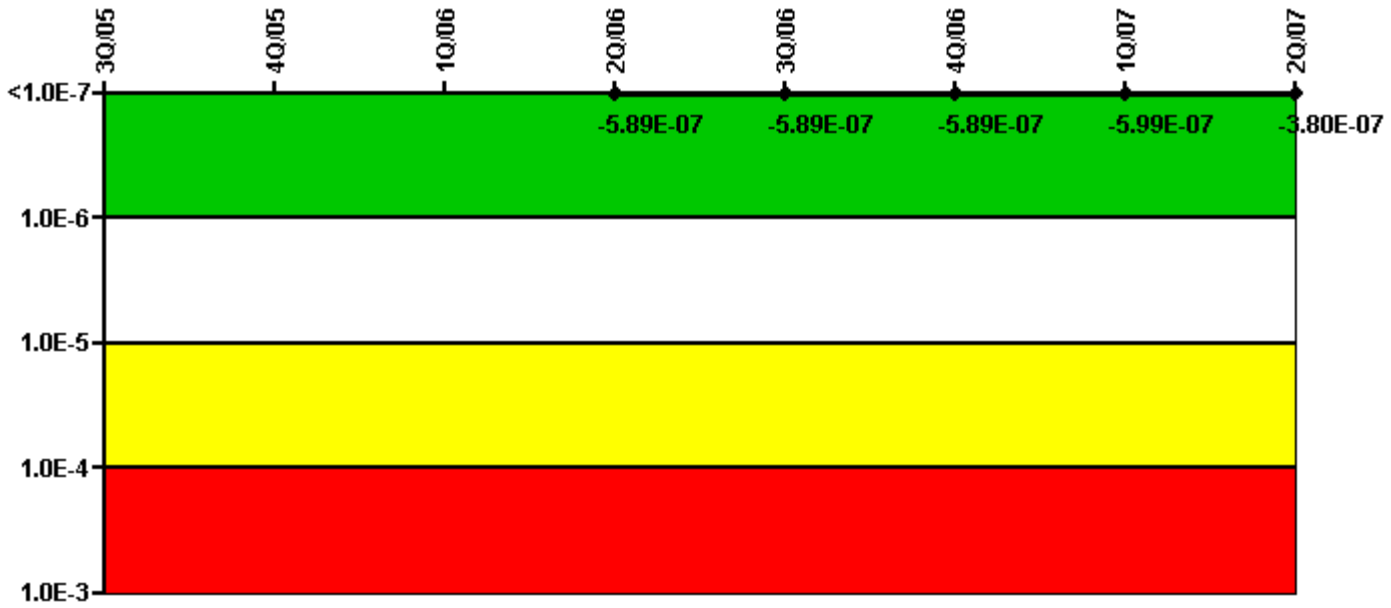
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Indicator value | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 0 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



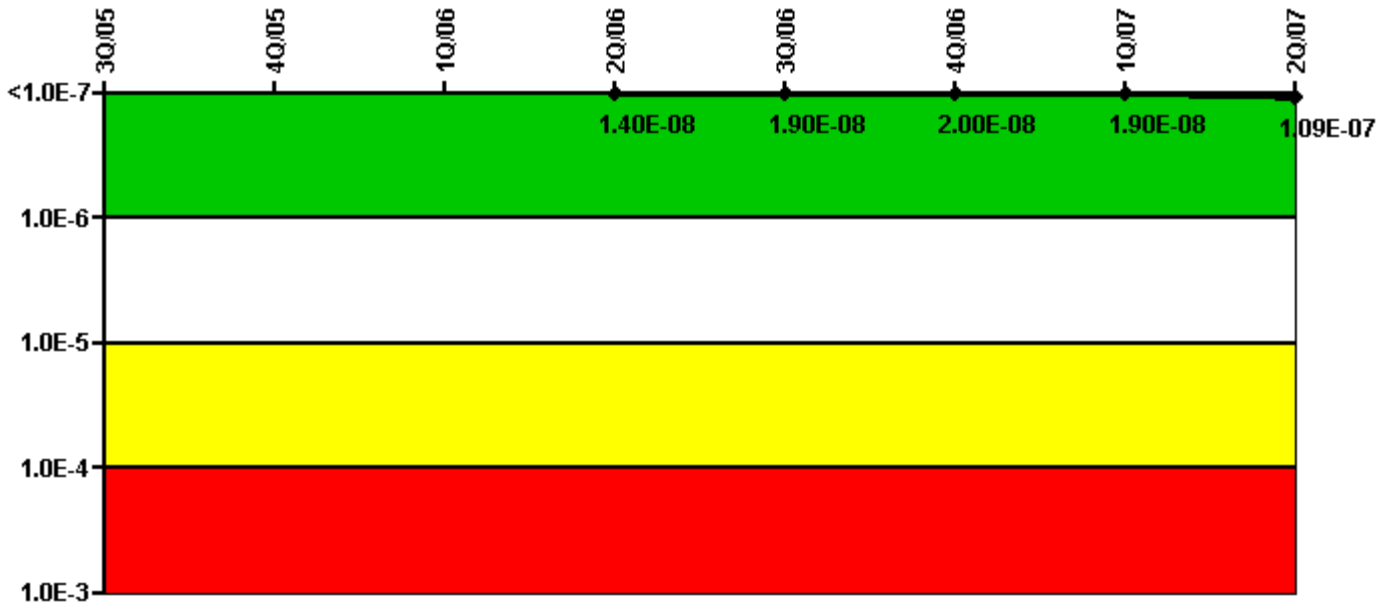
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|-------|-------|-------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | | | | 4.10E-08 | 4.10E-08 | 4.10E-08 | 4.10E-08 | 2.40E-07 |
| URI (Δ CDF) | | | | -6.30E-07 | -6.30E-07 | -6.30E-07 | -6.40E-07 | -6.20E-07 |
| PLE | | | | NO | NO | NO | NO | NO |
| Indicator value | | | | -5.89E-07 | -5.89E-07 | -5.89E-07 | -5.99E-07 | -3.80E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



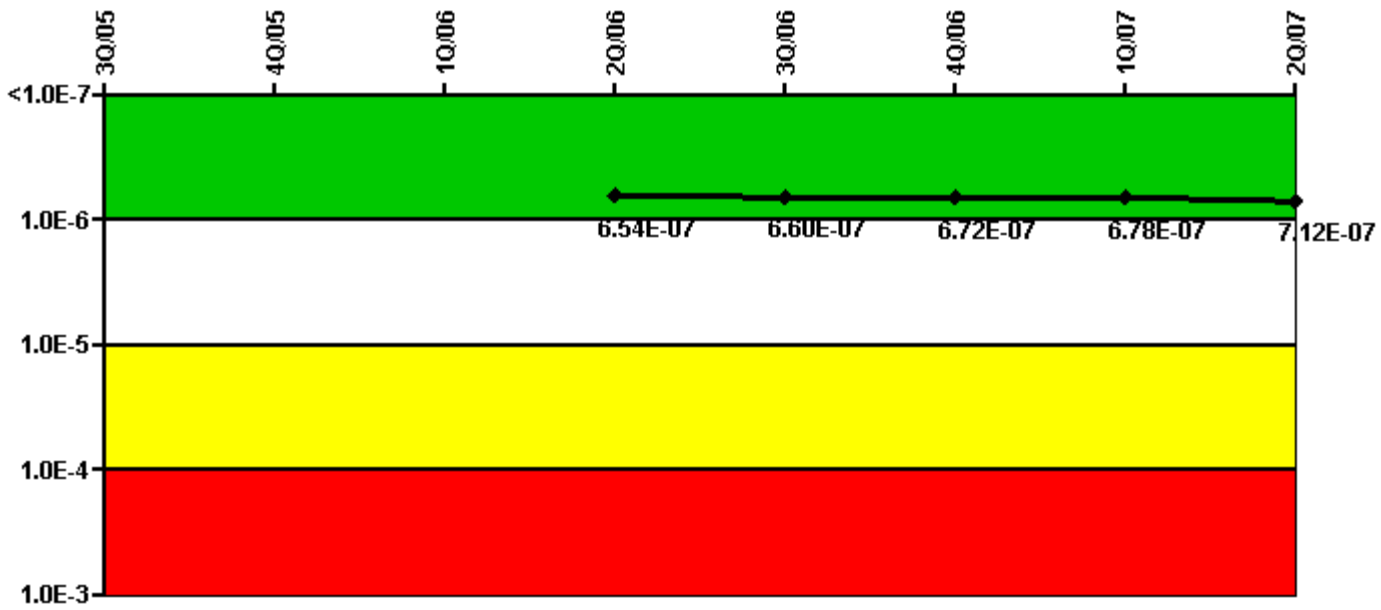
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|--|-------|-------|-------|-----------|-----------|-----------|-----------|----------|
| UAI (ΔCDF) | | | | 2.50E-08 | 3.00E-08 | 3.10E-08 | 3.00E-08 | 2.80E-08 |
| URI (ΔCDF) | | | | -1.10E-08 | -1.10E-08 | -1.10E-08 | -1.10E-08 | 8.10E-08 |
| PLE | | | | NO | NO | NO | NO | NO |
| Indicator value | | | | 1.40E-08 | 1.90E-08 | 2.00E-08 | 1.90E-08 | 1.09E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



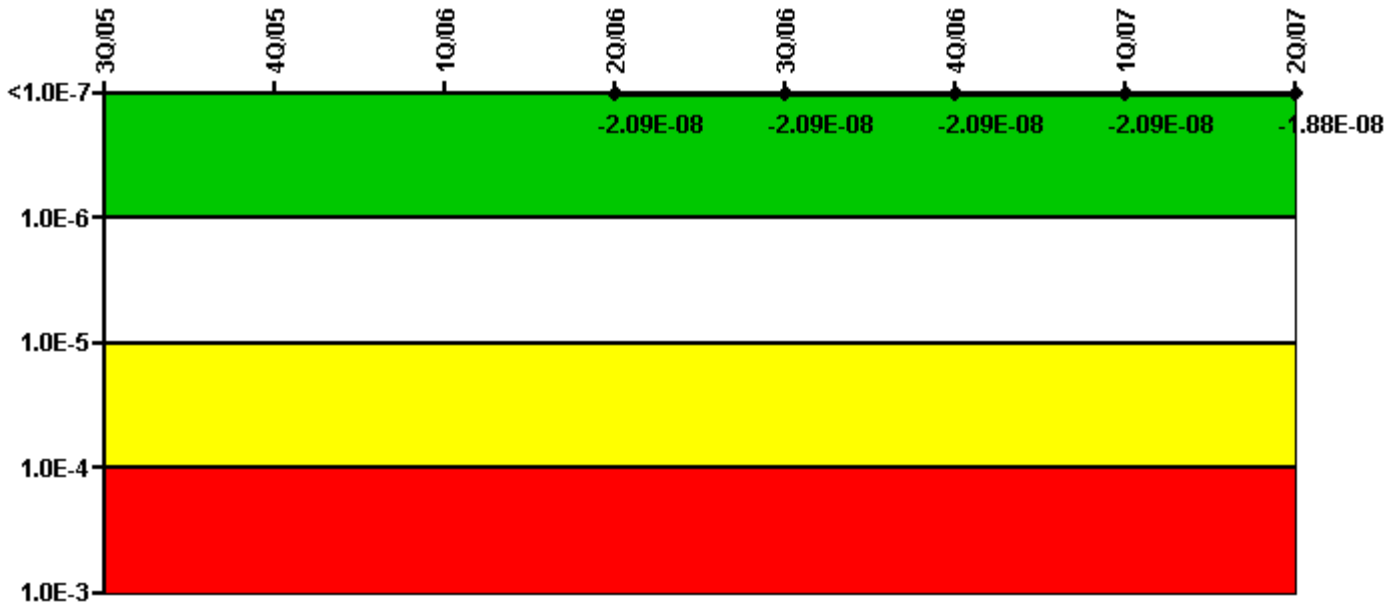
Thresholds: White > $1.0E-6$ Yellow > $1.0E-5$ Red > $1.0E-4$

Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|-------|-------|-------|----------|----------|----------|----------|----------|
| UAI (Δ CDF) | | | | 3.40E-08 | 3.00E-08 | 4.20E-08 | 4.80E-08 | 6.20E-08 |
| URI (Δ CDF) | | | | 6.20E-07 | 6.30E-07 | 6.30E-07 | 6.30E-07 | 6.50E-07 |
| PLE | | | | NO | NO | NO | NO | NO |
| Indicator value | | | | 6.54E-07 | 6.60E-07 | 6.72E-07 | 6.78E-07 | 7.12E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



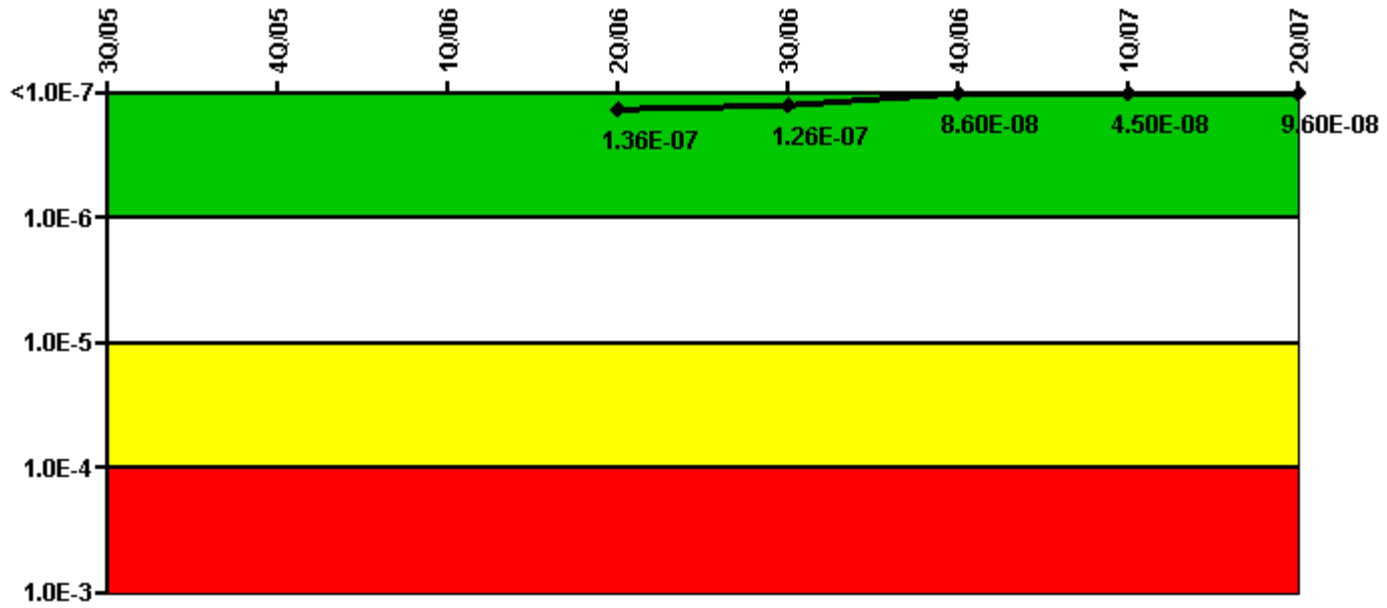
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|--|-------|-------|-------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | | | | 7.40E-11 | 7.40E-11 | 7.40E-11 | 9.50E-11 | 1.60E-10 |
| URI (Δ CDF) | | | | -2.10E-08 | -2.10E-08 | -2.10E-08 | -2.10E-08 | -1.90E-08 |
| PLE | | | | NO | NO | NO | NO | NO |
| Indicator value | | | | -2.09E-08 | -2.09E-08 | -2.09E-08 | -2.09E-08 | -1.88E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



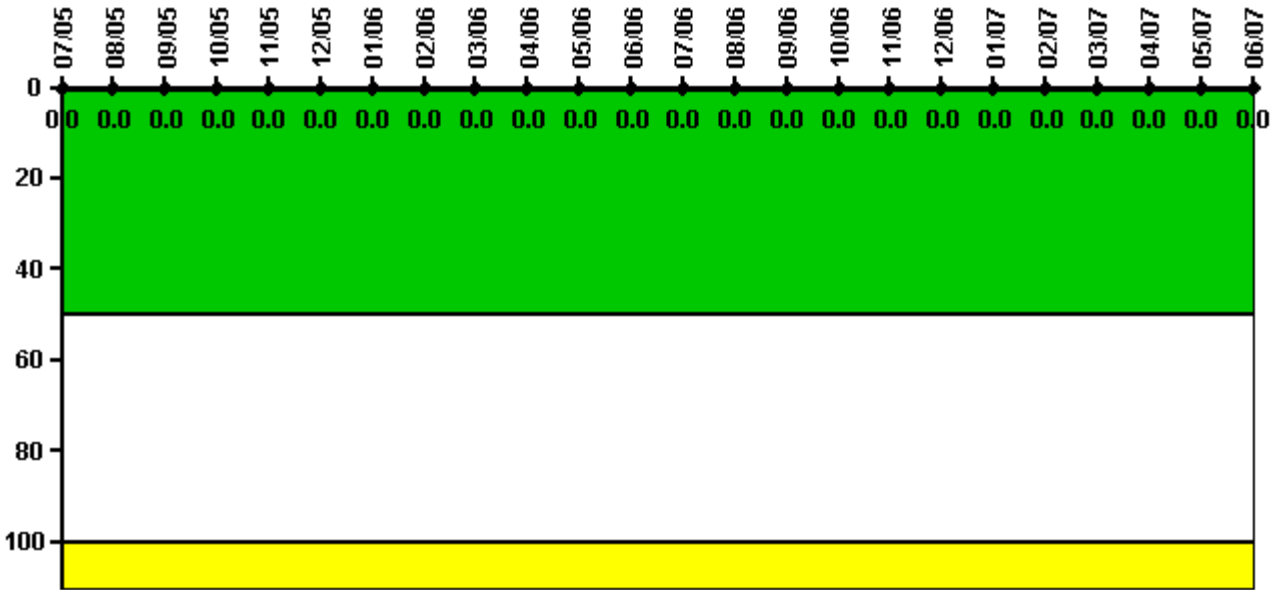
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|-------|-------|-------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF) | | | | 1.60E-07 | 1.50E-07 | 1.10E-07 | 6.90E-08 | 1.20E-07 |
| URI (ΔCDF) | | | | -2.40E-08 | -2.40E-08 | -2.40E-08 | -2.40E-08 | -2.40E-08 |
| PLE | | | | NO | NO | NO | NO | NO |
| Indicator value | | | | 1.36E-07 | 1.26E-07 | 8.60E-08 | 4.50E-08 | 9.60E-08 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

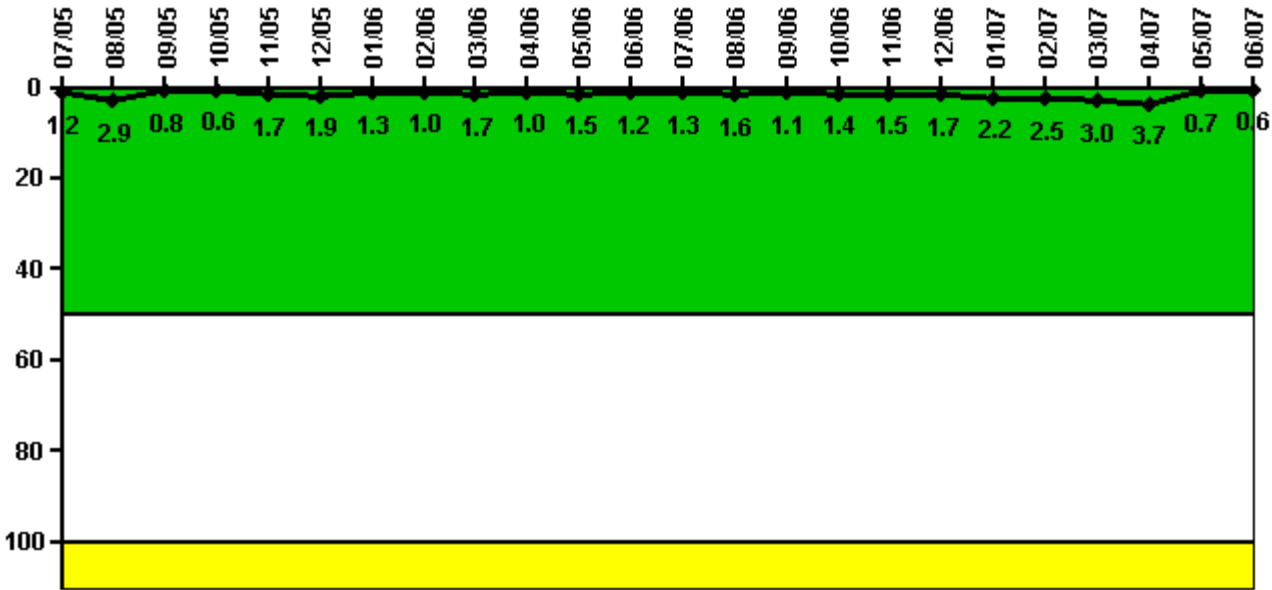
Notes

| Reactor Coolant System Activity | 7/05 | 8/05 | 9/05 | 10/05 | 11/05 | 12/05 | 1/06 | 2/06 | 3/06 | 4/06 | 5/06 | 6/06 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000230 | 0.000233 | 0.000236 | 0.000174 | 0.000144 | 0.000144 | 0.000151 | 0.000164 | 0.000166 | 0.000166 | 0.000174 | 0.000177 |
| 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 |

| Reactor Coolant System Activity | 7/06 | 8/06 | 9/06 | 10/06 | 11/06 | 12/06 | 1/07 | 2/07 | 3/07 | 4/07 | 5/07 | 6/07 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000186 | 0.000191 | 0.000197 | 0.000215 | 0.000204 | 0.000195 | 0.000202 | 0.000279 | 0.000358 | 0.000373 | 0.000086 | 0.000455 |
| 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

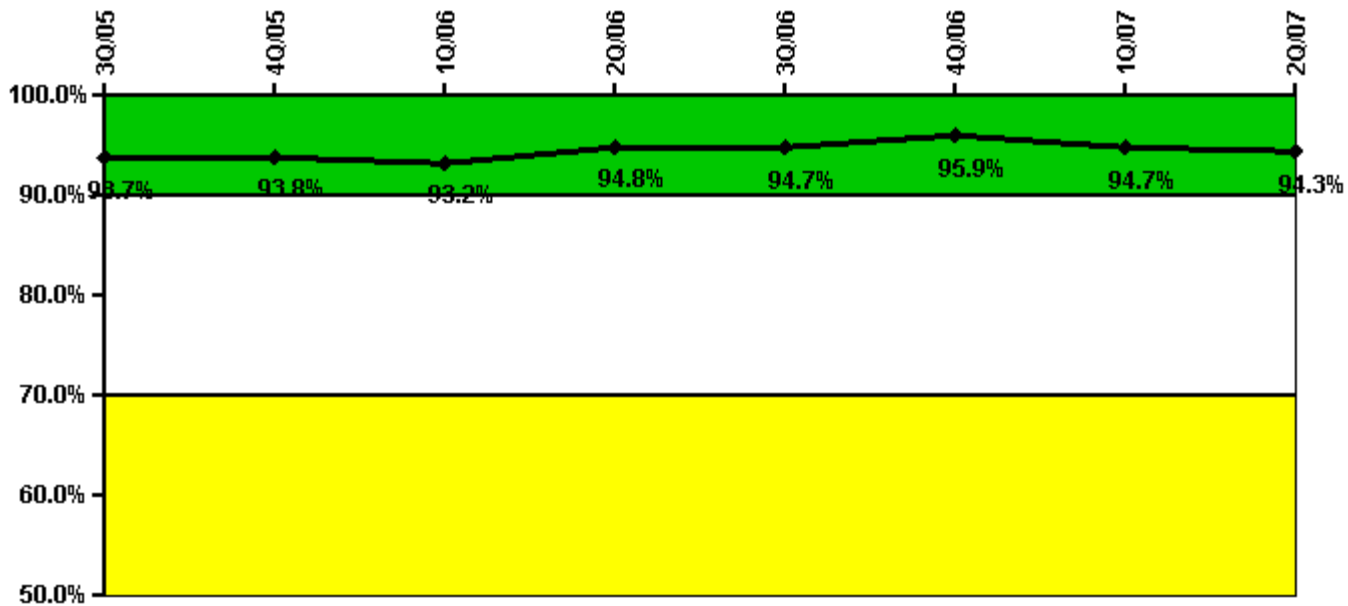
Notes

| Reactor Coolant System Leakage | 7/05 | 8/05 | 9/05 | 10/05 | 11/05 | 12/05 | 1/06 | 2/06 | 3/06 | 4/06 | 5/06 | 6/06 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.124 | 0.287 | 0.083 | 0.061 | 0.166 | 0.186 | 0.133 | 0.097 | 0.168 | 0.096 | 0.153 | 0.122 |
| 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 | 1.2 | 2.9 | 0.8 | 0.6 | 1.7 | 1.9 | 1.3 | 1.0 | 1.7 | 1.0 | 1.5 | 1.2 |

| Reactor Coolant System Leakage | 7/06 | 8/06 | 9/06 | 10/06 | 11/06 | 12/06 | 1/07 | 2/07 | 3/07 | 4/07 | 5/07 | 6/07 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.125 | 0.159 | 0.114 | 0.140 | 0.154 | 0.174 | 0.222 | 0.253 | 0.302 | 0.369 | 0.069 | 0.059 |
| 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 | 1.3 | 1.6 | 1.1 | 1.4 | 1.5 | 1.7 | 2.2 | 2.5 | 3.0 | 3.7 | 0.7 | 0.6 |

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

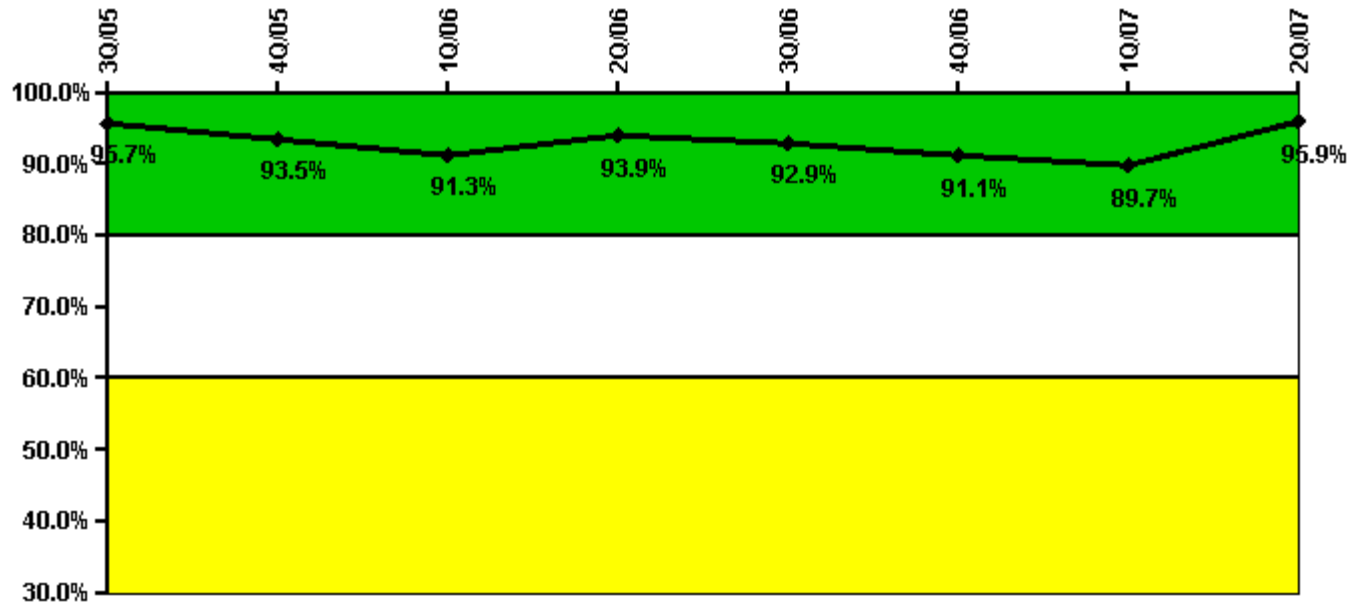
Notes

| Drill/Exercise Performance | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Successful opportunities | 67.0 | 0 | 17.0 | 31.0 | 64.0 | 0 | 10.0 | 42.0 |
| Total opportunities | 67.0 | 0 | 19.0 | 32.0 | 70.0 | 0 | 12.0 | 45.0 |
| | | | | | | | | |
| Indicator value | 93.7% | 93.8% | 93.2% | 94.8% | 94.7% | 95.9% | 94.7% | 94.3% |

Licensee Comments:

2Q/07: January and March Emergency Response Organization Drill/Exercise Performance data was revised to correct data collection errors. These corrections did NOT result in the GREEN/WHITE threshold being crossed.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

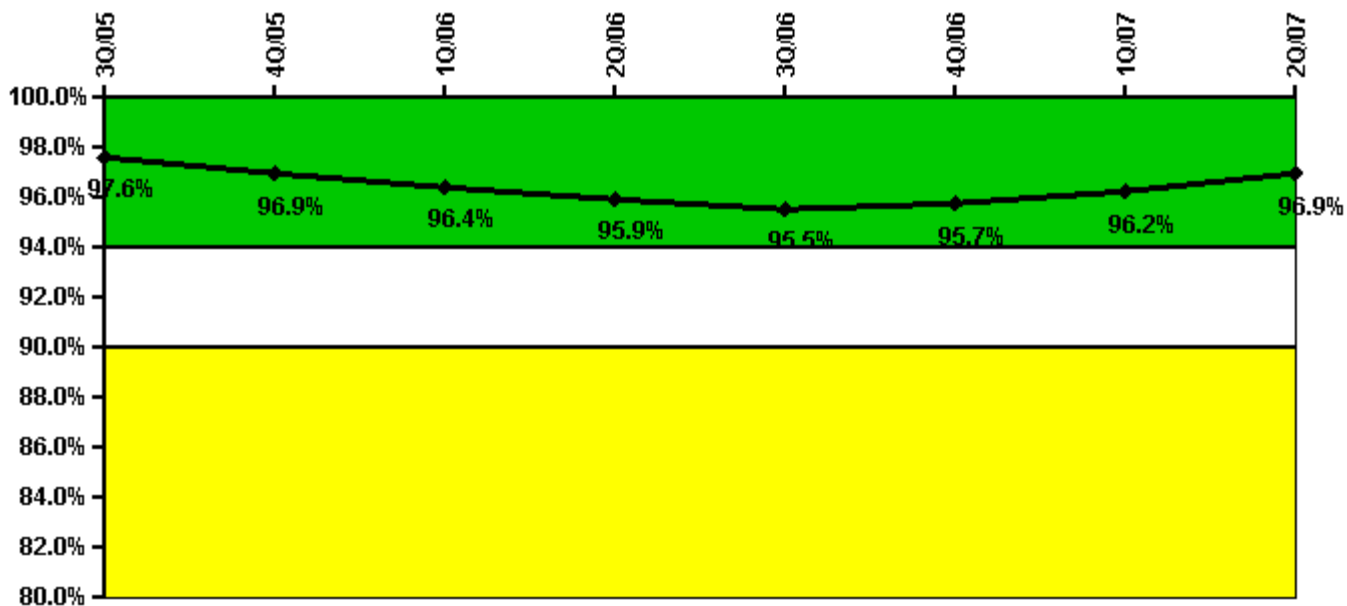
Notes

| ERO Drill Participation | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 132.0 | 130.0 | 136.0 | 138.0 | 143.0 | 133.0 | 130.0 | 139.0 |
| Total Key personnel | 138.0 | 139.0 | 149.0 | 147.0 | 154.0 | 146.0 | 145.0 | 145.0 |
| | | | | | | | | |
| Indicator value | 95.7% | 93.5% | 91.3% | 93.9% | 92.9% | 91.1% | 89.7% | 95.9% |

Licensee Comments:

2Q/07: January and March Emergency Response Organization Drill Participation data was revised to correct data collection errors. These corrections did NOT result in the GREEN/WHITE threshold being crossed.

Alert & Notification System



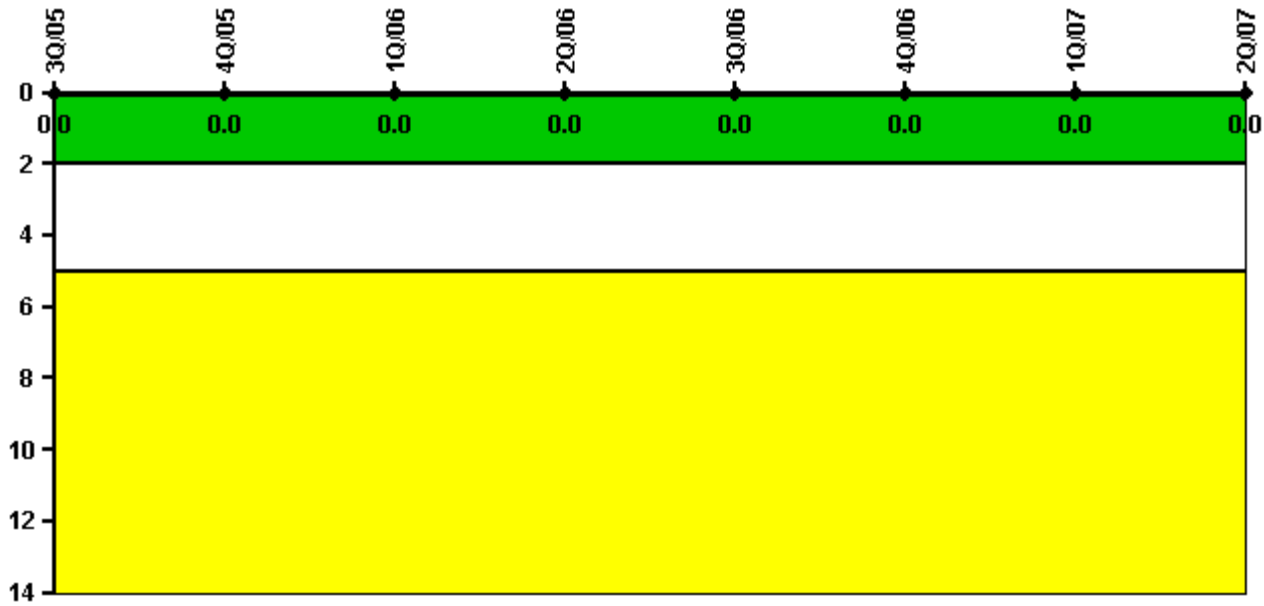
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Successful siren-tests | 456 | 306 | 306 | 304 | 450 | 310 | 312 | 314 |
| Total sirens-tests | 477 | 318 | 318 | 318 | 477 | 318 | 318 | 318 |
| | | | | | | | | |
| Indicator value | 97.6% | 96.9% | 96.4% | 95.9% | 95.5% | 95.7% | 96.2% | 96.9% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



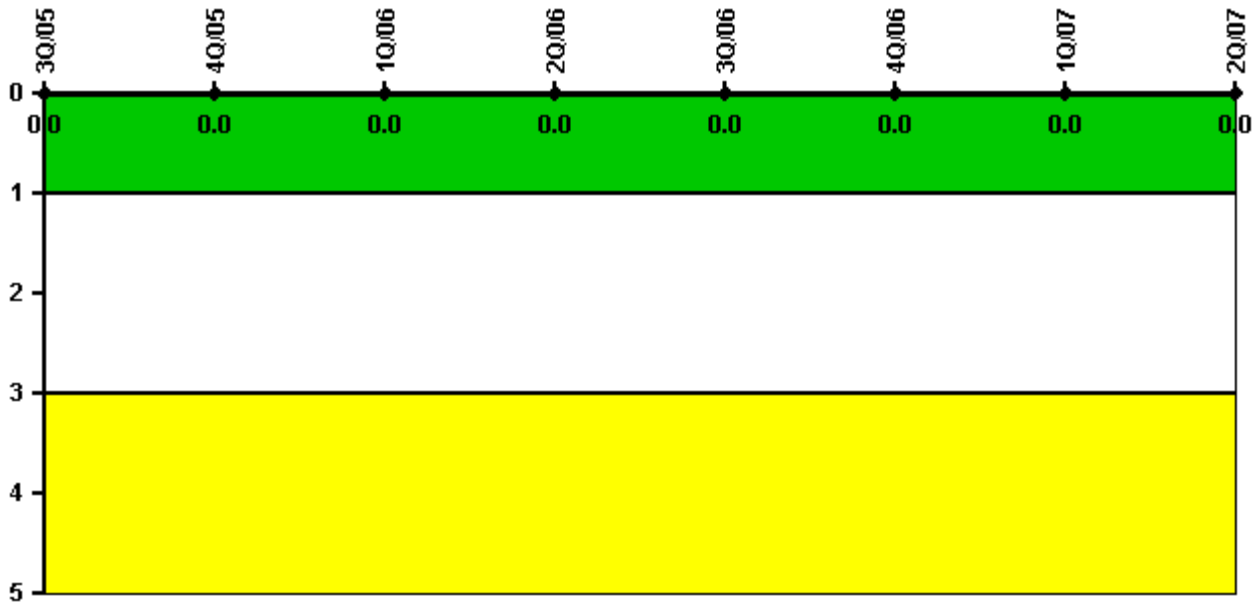
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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: August 6, 2007